

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
 Data File : VW011320.D  
 Acq On : 17 Jul 2019 21:51  
 Operator : SY/VA  
 Sample : K3863-01  
 Misc : 5.95G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A52F6

## 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\SOM2WLM070219S.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         | 1.989       | 4             | 14          | 28           | rVB      | 64910          | 143675        | 13.94%          | 1.148%        |
| 2         | 2.141       | 33            | 39          | 41           | rBV      | 73258          | 118492        | 11.49%          | 0.947%        |
| 3         | 2.349       | 68            | 73          | 91           | rVB2     | 37438          | 93991         | 9.12%           | 0.751%        |
| 4         | 2.483       | 91            | 95          | 103          | rBV      | 12666          | 31941         | 3.10%           | 0.255%        |
| 5         | 2.879       | 154           | 160         | 175          | rVB      | 38455          | 111860        | 10.85%          | 0.894%        |
| 6         | 4.013       | 334           | 346         | 358          | rBV      | 89031          | 304838        | 29.57%          | 2.436%        |
| 7         | 4.117       | 358           | 363         | 377          | rVV      | 20693          | 58056         | 5.63%           | 0.464%        |
| 8         | 4.373       | 396           | 405         | 418          | rBV      | 19611          | 65240         | 6.33%           | 0.521%        |
| 9         | 4.672       | 445           | 454         | 466          | rVB3     | 2370           | 7981          | 0.77%           | 0.064%        |
| 10        | 4.909       | 482           | 493         | 496          | rBV2     | 5937           | 16673         | 1.62%           | 0.133%        |
| 11        | 5.775       | 627           | 635         | 647          | rVV5     | 5443           | 17909         | 1.74%           | 0.143%        |
| 12        | 5.927       | 651           | 660         | 670          | rVB3     | 6605           | 20626         | 2.00%           | 0.165%        |
| 13        | 6.208       | 695           | 706         | 717          | rVB      | 45946          | 140072        | 13.59%          | 1.119%        |
| 14        | 7.074       | 837           | 848         | 856          | rBV      | 56766          | 163310        | 15.84%          | 1.305%        |
| 15        | 7.640       | 931           | 941         | 955          | rBV      | 171846         | 423499        | 41.08%          | 3.384%        |
| 16        | 7.860       | 970           | 977         | 984          | rBV2     | 13670          | 38727         | 3.76%           | 0.309%        |
| 17        | 7.945       | 984           | 991         | 1000         | rVB7     | 9723           | 33682         | 3.27%           | 0.269%        |
| 18        | 8.153       | 1017          | 1025        | 1034         | rVB3     | 7974           | 19407         | 1.88%           | 0.155%        |
| 19        | 8.268       | 1034          | 1044        | 1062         | rBV2     | 329676         | 1030815       | 100.00%         | 8.236%        |
| 20        | 8.476       | 1070          | 1078        | 1085         | rVV2     | 6913           | 19358         | 1.88%           | 0.155%        |
| 21        | 8.549       | 1085          | 1090        | 1099         | rVB5     | 8179           | 18944         | 1.84%           | 0.151%        |
| 22        | 8.689       | 1105          | 1113        | 1124         | rBV2     | 39764          | 85479         | 8.29%           | 0.683%        |
| 23        | 8.841       | 1129          | 1138        | 1147         | rBV      | 402533         | 815196        | 79.08%          | 6.513%        |
| 24        | 9.085       | 1170          | 1178        | 1185         | rBV3     | 34165          | 75853         | 7.36%           | 0.606%        |
| 25        | 9.140       | 1185          | 1187        | 1196         | rVB3     | 3664           | 6588          | 0.64%           | 0.053%        |
| 26        | 9.274       | 1199          | 1209        | 1215         | rBV      | 256115         | 530469        | 51.46%          | 4.238%        |
| 27        | 9.384       | 1223          | 1227        | 1239         | rVB5     | 11270          | 31754         | 3.08%           | 0.254%        |
| 28        | 9.604       | 1252          | 1263        | 1269         | rBV5     | 4749           | 14155         | 1.37%           | 0.113%        |
| 29        | 9.658       | 1269          | 1272        | 1277         | rVB4     | 3615           | 5845          | 0.57%           | 0.047%        |
| 30        | 9.756       | 1279          | 1288        | 1297         | rVB4     | 7682           | 18970         | 1.84%           | 0.152%        |
| 31        | 9.896       | 1302          | 1311        | 1315         | rBV2     | 10650          | 20945         | 2.03%           | 0.167%        |
| 32        | 9.957       | 1315          | 1321        | 1324         | rVV      | 30527          | 55628         | 5.40%           | 0.444%        |
| 33        | 10.030      | 1328          | 1333        | 1339         | rVV      | 120799         | 222016        | 21.54%          | 1.774%        |
| 34        | 10.091      | 1339          | 1343        | 1357         | rVB      | 33667          | 81534         | 7.91%           | 0.651%        |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
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 A52F6

## Integration Parameters: LSCINT.P

Integrator: RTE  
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 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\SOM2WLM070219S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 10.213 | 1357 | 1363 | 1367 | rBV4 | 3808   | 8412   | 0.82%  | 0.067% |
| 36 | 10.323 | 1372 | 1381 | 1397 | rBV  | 454421 | 846309 | 82.10% | 6.762% |
| 37 | 10.445 | 1397 | 1401 | 1404 | rBV3 | 4241   | 6782   | 0.66%  | 0.054% |
| 38 | 10.500 | 1404 | 1410 | 1417 | rBV4 | 17206  | 36703  | 3.56%  | 0.293% |
| 39 | 10.579 | 1417 | 1423 | 1429 | rBV  | 78739  | 139045 | 13.49% | 1.111% |
| 40 | 10.664 | 1432 | 1437 | 1440 | rBV2 | 11157  | 17921  | 1.74%  | 0.143% |
| 41 | 10.701 | 1440 | 1443 | 1448 | rVB2 | 13951  | 22393  | 2.17%  | 0.179% |
| 42 | 10.756 | 1448 | 1452 | 1457 | rBV4 | 10287  | 18914  | 1.83%  | 0.151% |
| 43 | 10.859 | 1463 | 1469 | 1473 | rBV3 | 12588  | 21429  | 2.08%  | 0.171% |
| 44 | 10.926 | 1473 | 1480 | 1488 | rVB  | 215303 | 368291 | 35.73% | 2.943% |
| 45 | 11.030 | 1488 | 1497 | 1499 | rBV6 | 7632   | 15689  | 1.52%  | 0.125% |
| 46 | 11.073 | 1499 | 1504 | 1507 | rBV  | 40451  | 64625  | 6.27%  | 0.516% |
| 47 | 11.103 | 1507 | 1509 | 1514 | rVB2 | 21047  | 29078  | 2.82%  | 0.232% |
| 48 | 11.176 | 1516 | 1521 | 1525 | rBV  | 47085  | 67157  | 6.51%  | 0.537% |
| 49 | 11.231 | 1525 | 1530 | 1535 | rVB  | 83593  | 141587 | 13.74% | 1.131% |
| 50 | 11.280 | 1535 | 1538 | 1542 | rVB2 | 17448  | 23905  | 2.32%  | 0.191% |
| 51 | 11.329 | 1542 | 1546 | 1551 | rVB5 | 21249  | 37682  | 3.66%  | 0.301% |
| 52 | 11.432 | 1551 | 1563 | 1572 | rVB2 | 73157  | 167959 | 16.29% | 1.342% |
| 53 | 11.512 | 1572 | 1576 | 1580 | rBV2 | 13825  | 20803  | 2.02%  | 0.166% |
| 54 | 11.561 | 1580 | 1584 | 1588 | rBV5 | 4139   | 7614   | 0.74%  | 0.061% |
| 55 | 11.628 | 1588 | 1595 | 1607 | rBV  | 505500 | 868120 | 84.22% | 6.936% |
| 56 | 11.762 | 1607 | 1617 | 1621 | rBV2 | 55110  | 107876 | 10.47% | 0.862% |
| 57 | 11.817 | 1621 | 1626 | 1629 | rBV3 | 34945  | 65986  | 6.40%  | 0.527% |
| 58 | 11.871 | 1629 | 1635 | 1639 | rVV  | 78346  | 129494 | 12.56% | 1.035% |
| 59 | 11.914 | 1639 | 1642 | 1648 | rVB2 | 62125  | 104625 | 10.15% | 0.836% |
| 60 | 12.048 | 1657 | 1664 | 1671 | rBV4 | 13580  | 30958  | 3.00%  | 0.247% |
| 61 | 12.140 | 1671 | 1679 | 1689 | rBV3 | 114151 | 316389 | 30.69% | 2.528% |
| 62 | 12.225 | 1689 | 1693 | 1700 | rVB2 | 14853  | 26544  | 2.58%  | 0.212% |
| 63 | 12.298 | 1700 | 1705 | 1708 | rBV3 | 58894  | 101157 | 9.81%  | 0.808% |
| 64 | 12.341 | 1708 | 1712 | 1716 | rBV3 | 52383  | 73995  | 7.18%  | 0.591% |
| 65 | 12.384 | 1716 | 1719 | 1723 | rBV  | 52836  | 70224  | 6.81%  | 0.561% |
| 66 | 12.609 | 1751 | 1756 | 1762 | rVB  | 80562  | 126616 | 12.28% | 1.012% |
| 67 | 12.694 | 1764 | 1770 | 1777 | rVV  | 224127 | 370089 | 35.90% | 2.957% |
| 68 | 12.780 | 1779 | 1784 | 1791 | rVB4 | 64383  | 124452 | 12.07% | 0.994% |
| 69 | 12.890 | 1791 | 1802 | 1806 | rBV  | 81142  | 187788 | 18.22% | 1.500% |
| 70 | 12.938 | 1806 | 1810 | 1815 | rVV5 | 40485  | 88331  | 8.57%  | 0.706% |
| 71 | 12.993 | 1815 | 1819 | 1824 | rVB  | 50481  | 79565  | 7.72%  | 0.636% |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A52F6

## 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\SOM2WLM070219S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 13.079 | 1830 | 1833 | 1837 | rVB4 | 13697  | 18654  | 1.81%  | 0.149% |
| 73  | 13.121 | 1837 | 1840 | 1843 | rBV4 | 5183   | 6964   | 0.68%  | 0.056% |
| 74  | 13.170 | 1843 | 1848 | 1854 | rVB4 | 20690  | 42161  | 4.09%  | 0.337% |
| 75  | 13.243 | 1854 | 1860 | 1867 | rBV  | 422724 | 645971 | 62.67% | 5.161% |
| 76  | 13.377 | 1878 | 1882 | 1888 | rBV7 | 9620   | 18117  | 1.76%  | 0.145% |
| 77  | 13.450 | 1888 | 1894 | 1898 | rVV3 | 21912  | 38815  | 3.77%  | 0.310% |
| 78  | 13.560 | 1905 | 1912 | 1919 | rVB2 | 388380 | 658457 | 63.88% | 5.261% |
| 79  | 13.633 | 1919 | 1924 | 1930 | rVV  | 64350  | 108790 | 10.55% | 0.869% |
| 80  | 13.719 | 1932 | 1938 | 1942 | rVV  | 69938  | 119780 | 11.62% | 0.957% |
| 81  | 13.761 | 1942 | 1945 | 1948 | rVV  | 30514  | 49388  | 4.79%  | 0.395% |
| 82  | 13.804 | 1948 | 1952 | 1955 | rVV  | 93468  | 151203 | 14.67% | 1.208% |
| 83  | 13.853 | 1955 | 1960 | 1973 | rVV  | 273748 | 590188 | 57.25% | 4.716% |
| 84  | 13.950 | 1973 | 1976 | 1977 | rVV2 | 5716   | 6772   | 0.66%  | 0.054% |
| 85  | 13.981 | 1977 | 1981 | 1984 | rVV5 | 11050  | 19406  | 1.88%  | 0.155% |
| 86  | 14.023 | 1984 | 1988 | 1991 | rVV6 | 6121   | 13414  | 1.30%  | 0.107% |
| 87  | 14.078 | 1992 | 1997 | 2006 | rVB4 | 29006  | 64654  | 6.27%  | 0.517% |
| 88  | 14.206 | 2012 | 2018 | 2023 | rBV3 | 23257  | 42206  | 4.09%  | 0.337% |
| 89  | 14.255 | 2023 | 2026 | 2029 | rBV4 | 4993   | 7613   | 0.74%  | 0.061% |
| 90  | 14.328 | 2034 | 2038 | 2043 | rVB6 | 9810   | 15321  | 1.49%  | 0.122% |
| 91  | 14.389 | 2044 | 2048 | 2050 | rBV5 | 6086   | 9336   | 0.91%  | 0.075% |
| 92  | 14.420 | 2050 | 2053 | 2057 | rVV2 | 11120  | 16566  | 1.61%  | 0.132% |
| 93  | 14.462 | 2057 | 2060 | 2064 | rVB  | 15542  | 21302  | 2.07%  | 0.170% |
| 94  | 14.609 | 2079 | 2084 | 2089 | rBV7 | 3127   | 6701   | 0.65%  | 0.054% |
| 95  | 14.725 | 2099 | 2103 | 2107 | rVB5 | 4867   | 7395   | 0.72%  | 0.059% |
| 96  | 14.773 | 2107 | 2111 | 2118 | rBV6 | 8324   | 20110  | 1.95%  | 0.161% |
| 97  | 14.895 | 2129 | 2131 | 2141 | rVB9 | 3003   | 5942   | 0.58%  | 0.047% |
| 98  | 15.145 | 2164 | 2172 | 2176 | rBV2 | 4047   | 9779   | 0.95%  | 0.078% |
| 99  | 15.188 | 2176 | 2179 | 2187 | rVB8 | 4739   | 9831   | 0.95%  | 0.079% |
| 100 | 16.169 | 2333 | 2340 | 2351 | rVB5 | 5849   | 12622  | 1.22%  | 0.101% |

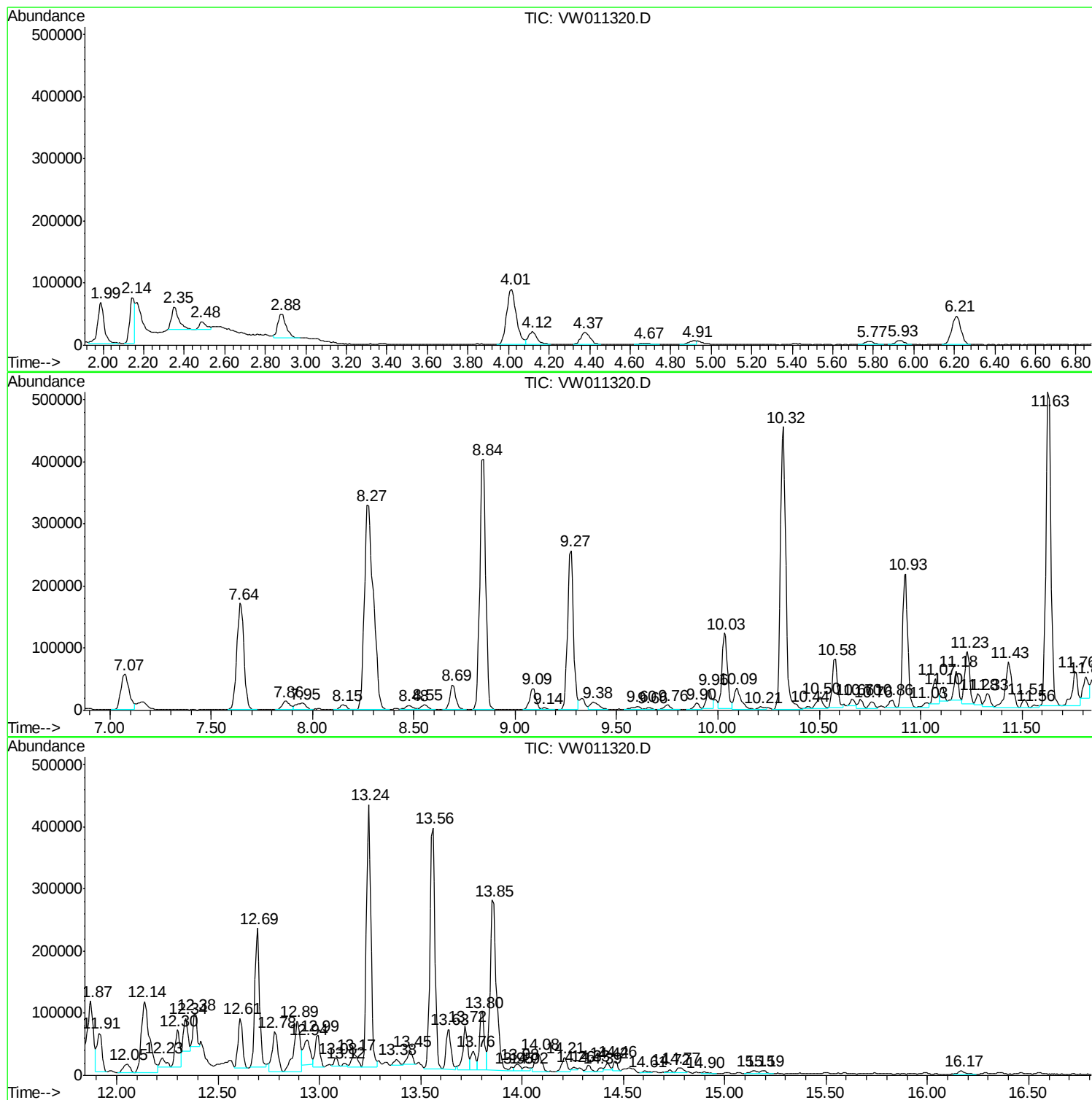
Sum of corrected areas: 12515493

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Instrument :  
MSVOA\_W  
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A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

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



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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

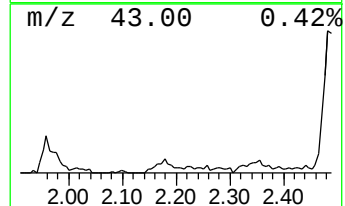
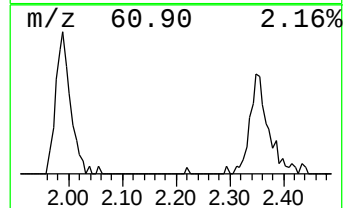
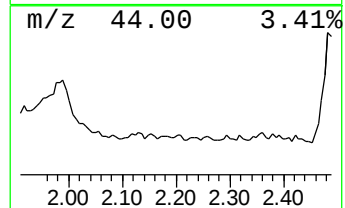
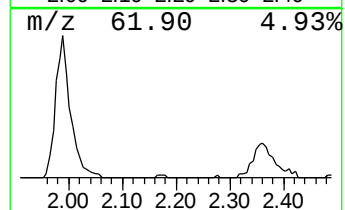
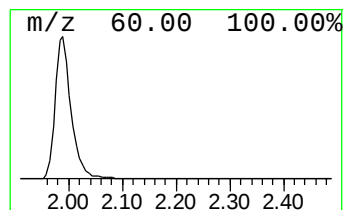
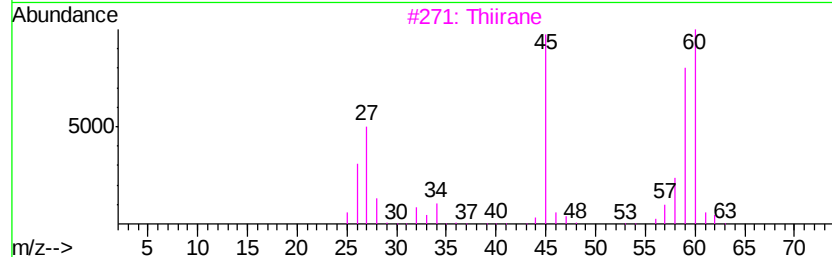
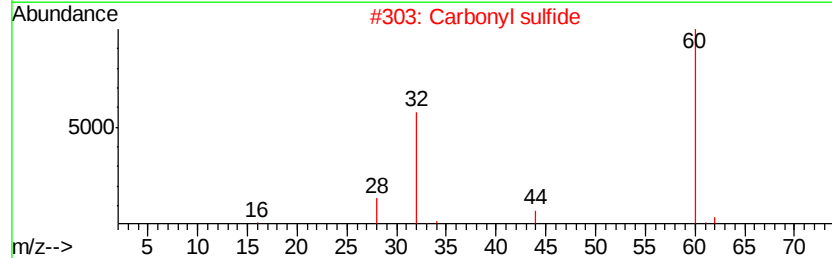
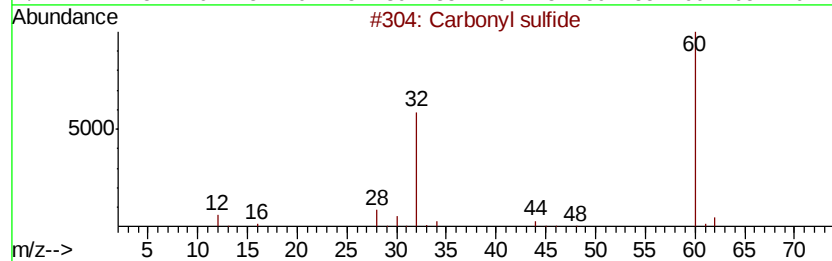
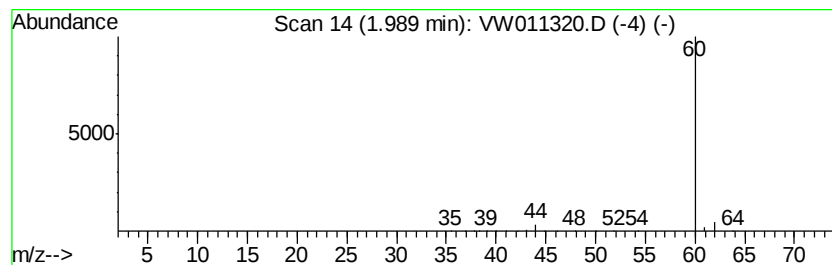
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 9

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.99 | 4.41 ug/L | 143675 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID     | MW | MolForm | CAS#        | Qual |
|------|----|------------------|----|---------|-------------|------|
| 1    | 5  | Carbonyl sulfide | 60 | COS     | 000463-58-1 | 9    |
| 2    |    | Carbonyl sulfide | 60 | COS     | 000463-58-1 | 5    |
| 3    |    | Thiirane         | 60 | C2H4S   | 000420-12-2 | 5    |
| 4    |    | Methyl formate   | 60 | C2H4O2  | 000107-31-3 | 4    |
| 5    |    | Methyl formate   | 60 | C2H4O2  | 000107-31-3 | 4    |



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Instrument :  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

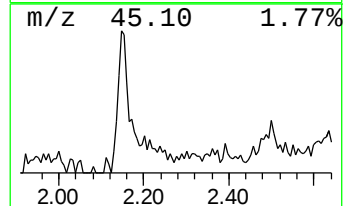
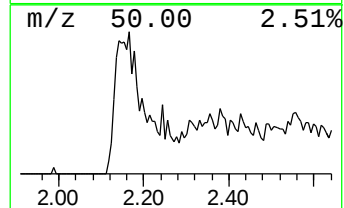
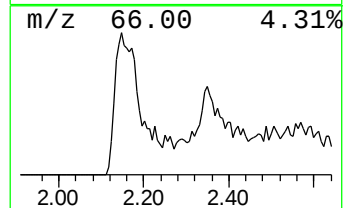
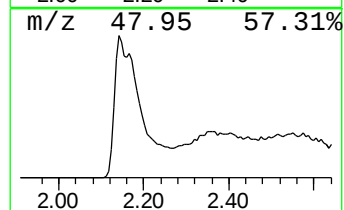
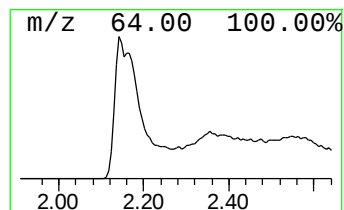
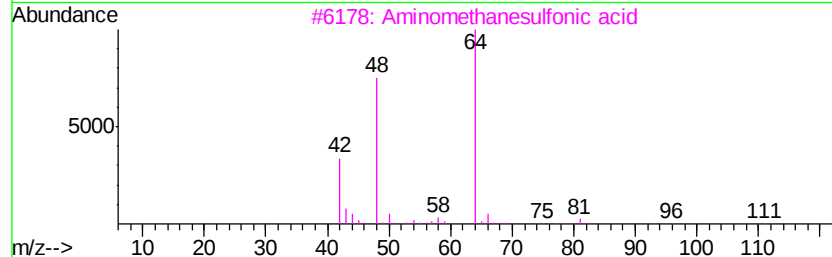
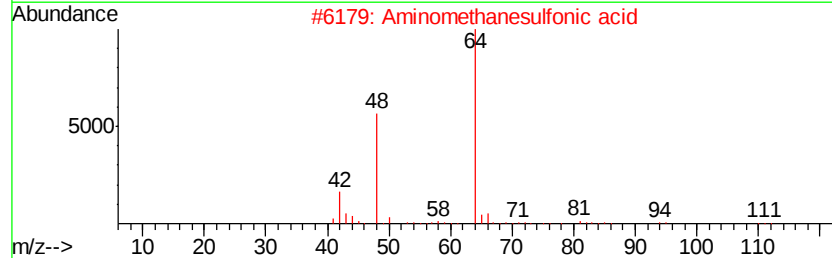
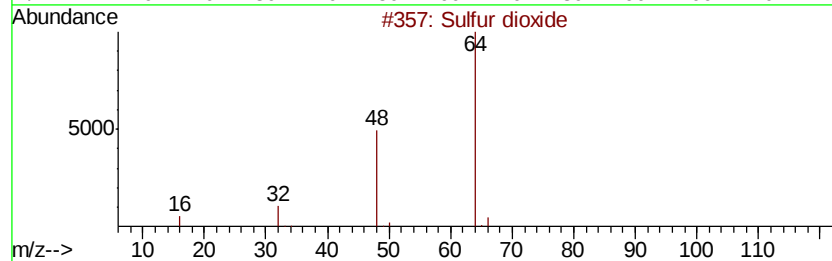
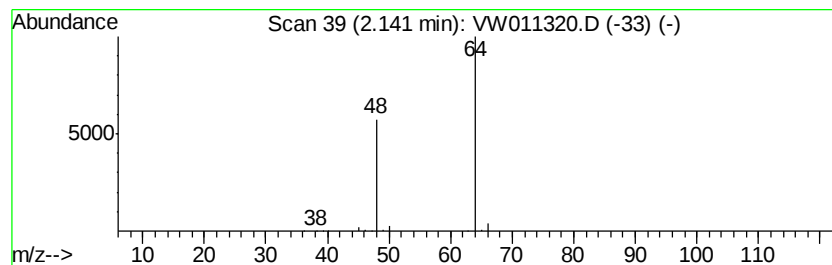
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Sulfur dioxide Concentration Rank 12

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 2.14 | 3.63 ug/L | 118492 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Sulfur dioxide            | 64  | O2S     | 007446-09-5 | 83   |
| 2    |    | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 64   |
| 3    |    | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9    |
| 4    |    | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9    |
| 5    |    | Ethene, 1,1-difluoro-     | 64  | C2H2F2  | 000075-38-7 | 7    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

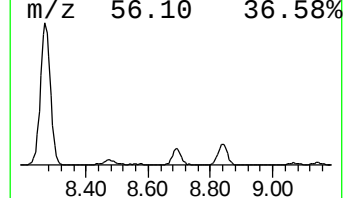
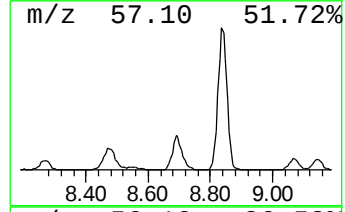
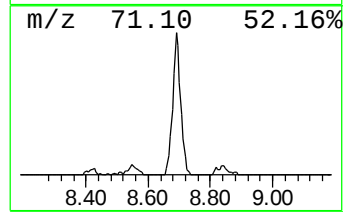
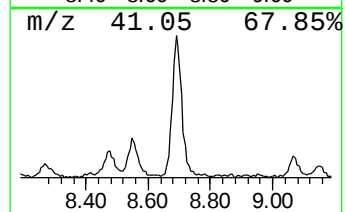
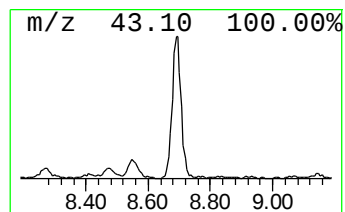
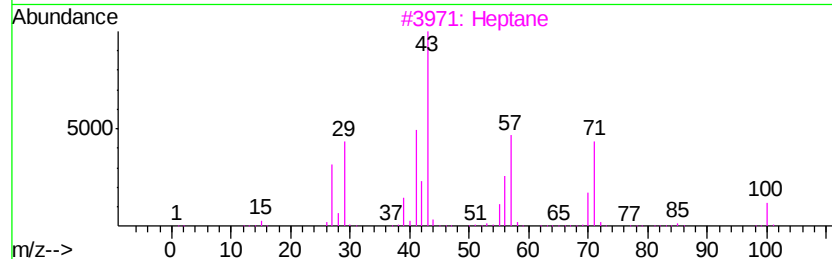
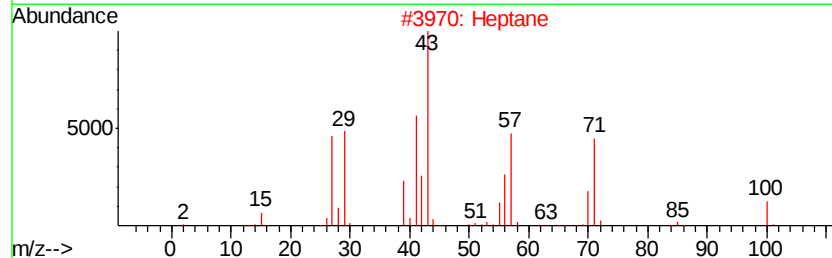
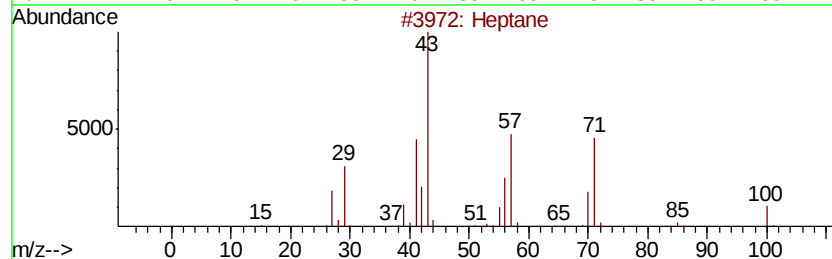
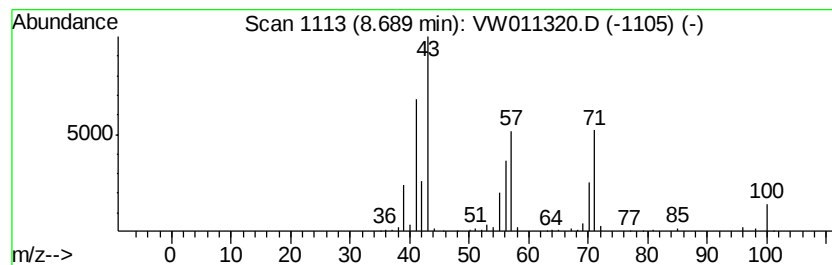
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 8.69 | 2.62 ug/L | 85479 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane           | 100 | C7H16   | 000142-82-5 | 91   |
| 2    |    | Heptane           | 100 | C7H16   | 000142-82-5 | 91   |
| 3    |    | Heptane           | 100 | C7H16   | 000142-82-5 | 91   |
| 4    |    | Heptane           | 100 | C7H16   | 000142-82-5 | 80   |
| 5    |    | Hexane, 3-methyl- | 100 | C7H16   | 000589-34-4 | 40   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

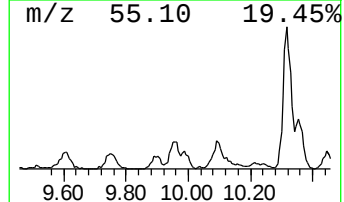
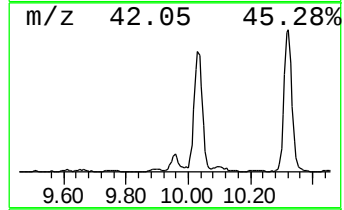
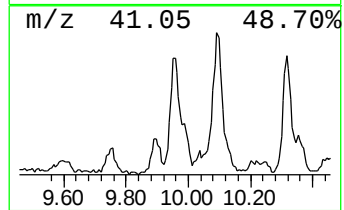
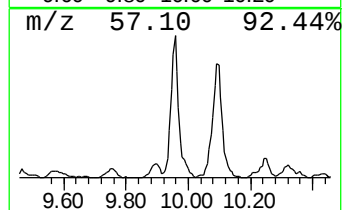
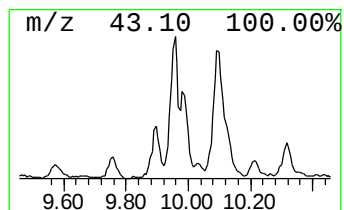
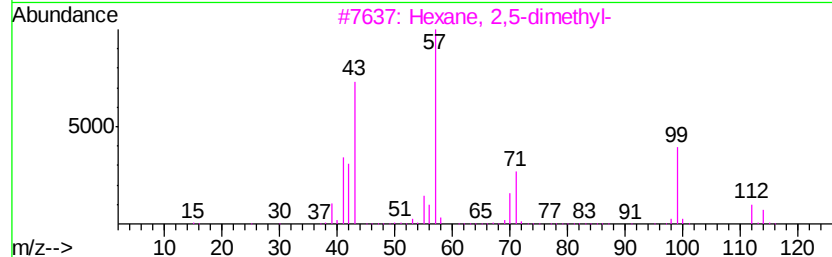
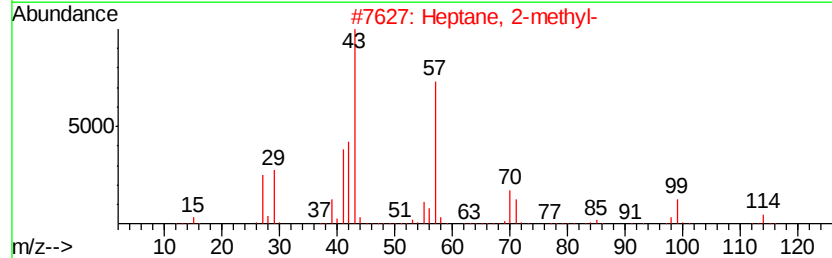
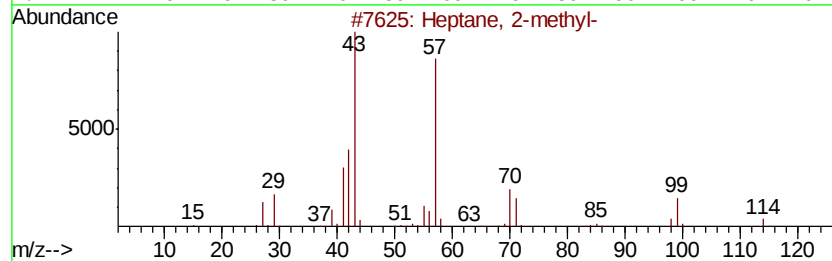
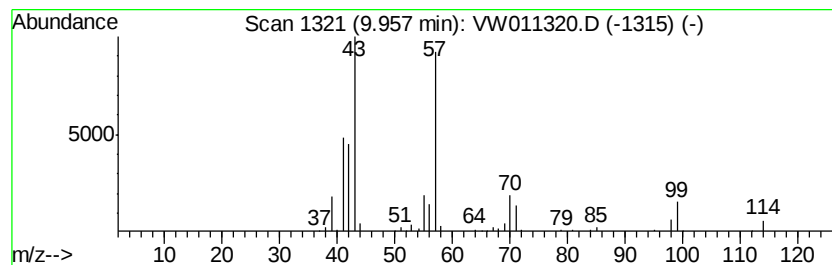
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 9.96 | 1.71 ug/L | 55628 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane, 2-methyl-    | 114 | C8H18   | 000592-27-8 | 91   |
| 2    |    | Heptane, 2-methyl-    | 114 | C8H18   | 000592-27-8 | 91   |
| 3    |    | Hexane, 2,5-dimethyl- | 114 | C8H18   | 000592-13-2 | 86   |
| 4    |    | Hexane, 2,5-dimethyl- | 114 | C8H18   | 000592-13-2 | 83   |
| 5    |    | Heptane, 2-methyl-    | 114 | C8H18   | 000592-27-8 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

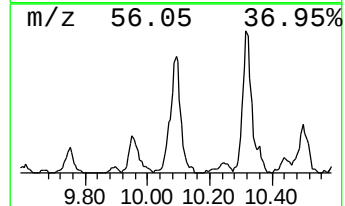
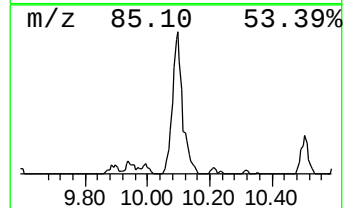
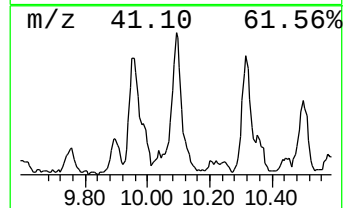
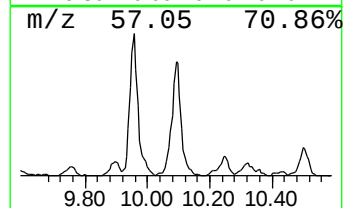
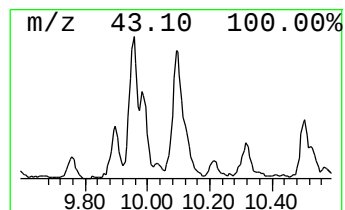
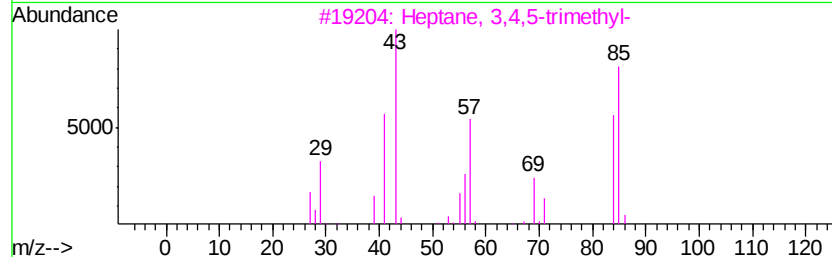
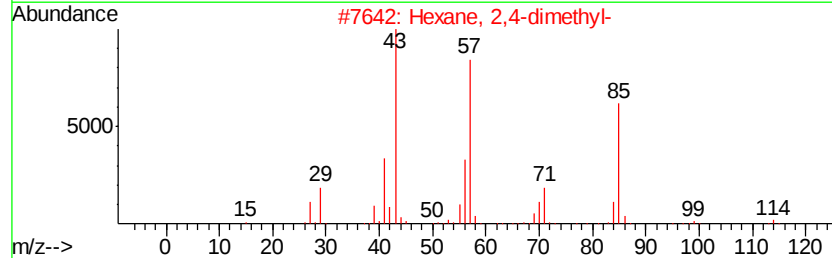
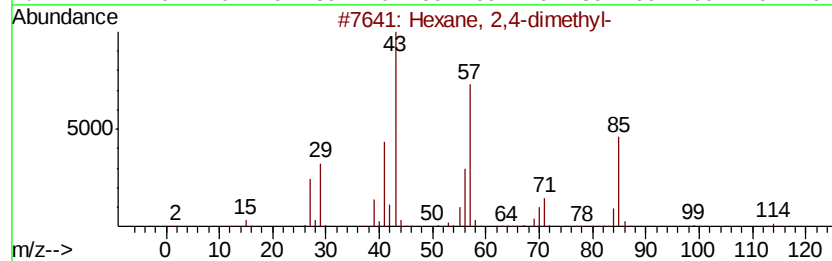
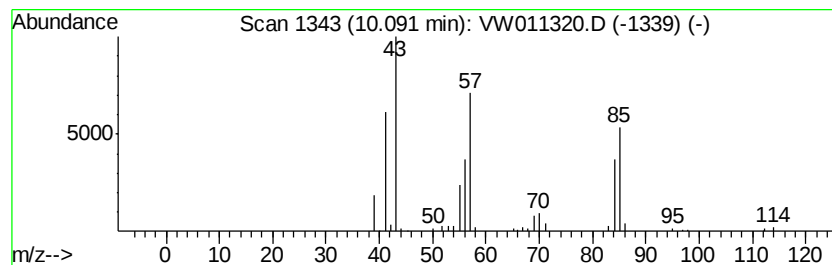
Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.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 19

| R.T.      | EstConc                        | Area  | Relative to ISTD    | R.T.        |      |
|-----------|--------------------------------|-------|---------------------|-------------|------|
| 10.09     | 2.50 ug/L                      | 81534 | 1,4-Difluorobenzene | 8.84        |      |
| Hit# of 5 | Tentative ID                   | MW    | MolForm             | CAS#        | Qual |
| 1         | Hexane, 2,4-dimethyl-          | 114   | C8H18               | 000589-43-5 | 83   |
| 2         | Hexane, 2,4-dimethyl-          | 114   | C8H18               | 000589-43-5 | 80   |
| 3         | Heptane, 3,4,5-trimethyl-      | 142   | C10H22              | 020278-89-1 | 72   |
| 4         | Heptane, 3,4,5-trimethyl-      | 142   | C10H22              | 020278-89-1 | 72   |
| 5         | Pentane, 3-ethyl-2,4-dimethyl- | 128   | C9H20               | 001068-87-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

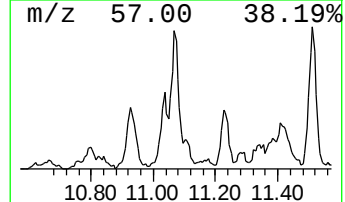
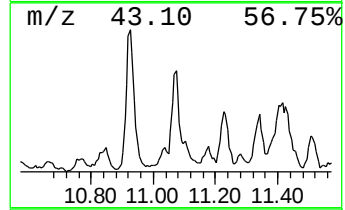
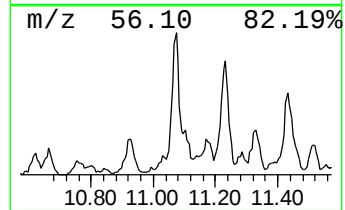
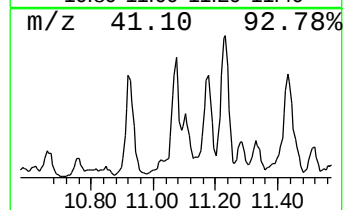
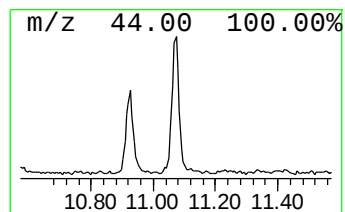
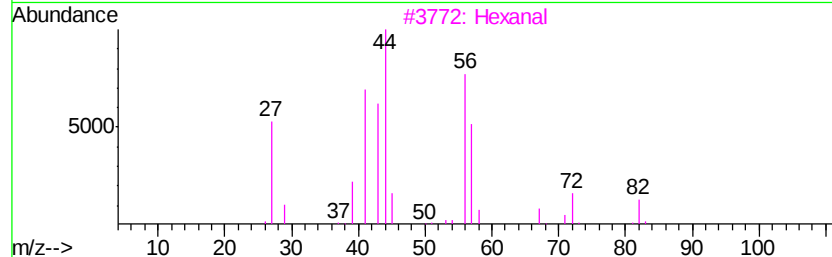
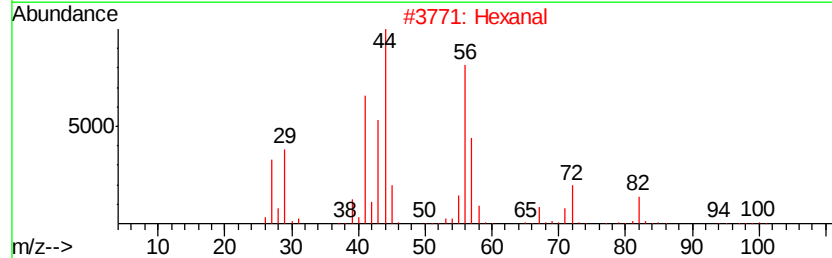
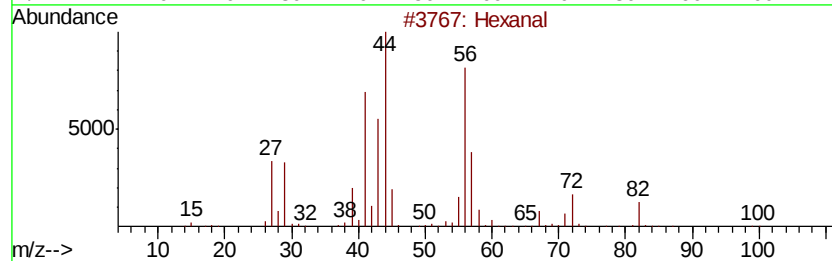
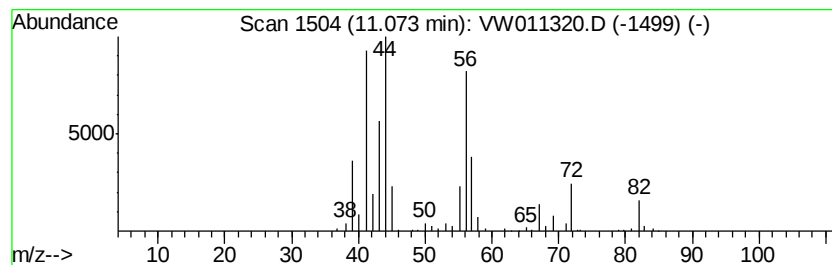
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Hexanal Concentration Rank 25

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 11.07 | 1.86 ug/L | 64625 | Chlorobenzene-d5 | 11.63 |

| Hit# of | 5       | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------|--------------|-----|---------|-------------|------|
| 1       | Hexanal |              | 100 | C6H12O  | 000066-25-1 | 78   |
| 2       | Hexanal |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 3       | Hexanal |              | 100 | C6H12O  | 000066-25-1 | 64   |
| 4       | Hexanal |              | 100 | C6H12O  | 000066-25-1 | 64   |
| 5       | Butanal |              | 72  | C4H8O   | 000123-72-8 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

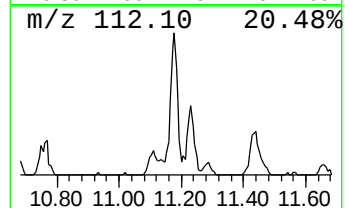
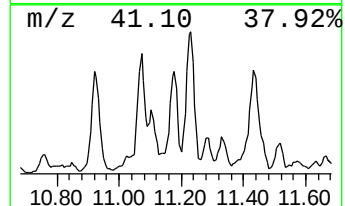
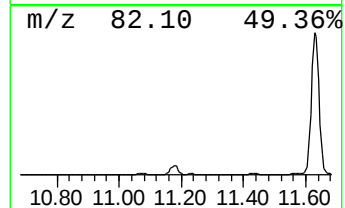
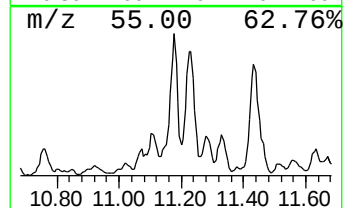
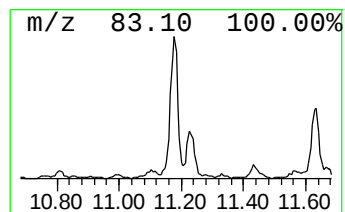
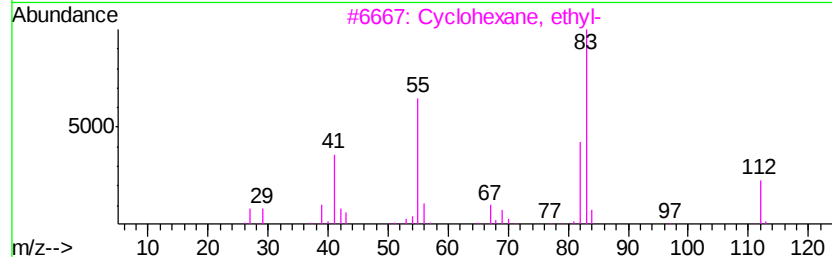
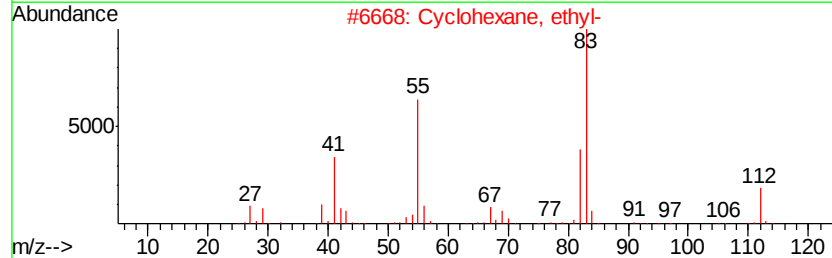
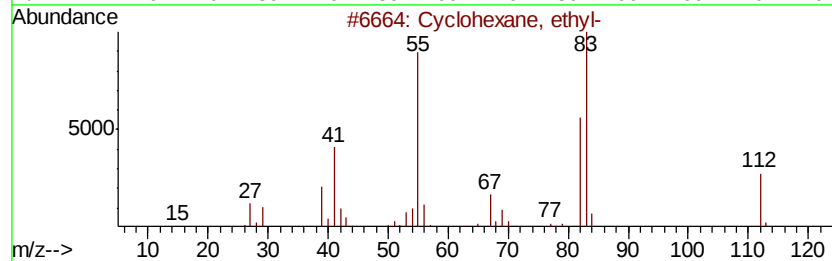
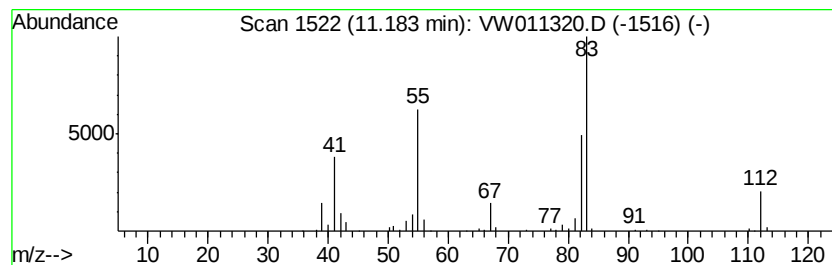
Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

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

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Peak Number 8 (DEL) Alkane: Cyclic11.18 Concentration Rank 23

| R.T.      | EstConc             | Area  | Relative to ISTD | R.T.        |      |
|-----------|---------------------|-------|------------------|-------------|------|
| 11.18     | 1.93 ug/L           | 67157 | Chlorobenzene-d5 | 11.63       |      |
| Hit# of 5 | Tentative ID        | MW    | MolForm          | CAS#        | Qual |
| 1         | Cvclohexane, ethyl- | 112   | C8H16            | 001678-91-7 | 91   |
| 2         | Cvclohexane, ethyl- | 112   | C8H16            | 001678-91-7 | 86   |
| 3         | Cvclohexane, ethyl- | 112   | C8H16            | 001678-91-7 | 86   |
| 4         | Cvclohexane, ethyl- | 112   | C8H16            | 001678-91-7 | 83   |
| 5         | Cvclohexane, ethyl- | 112   | C8H16            | 001678-91-7 | 78   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

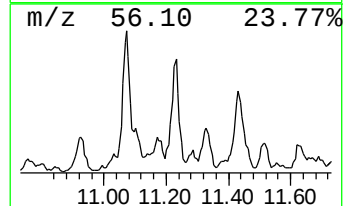
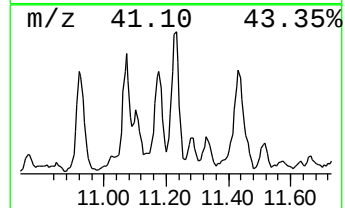
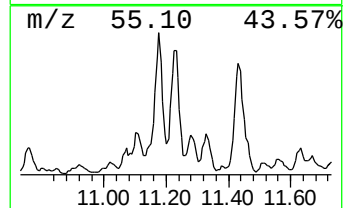
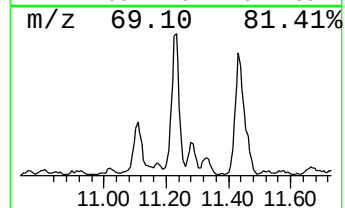
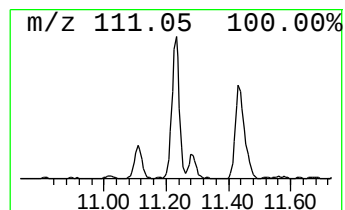
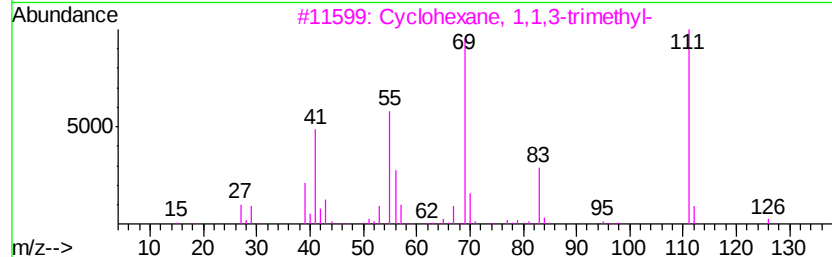
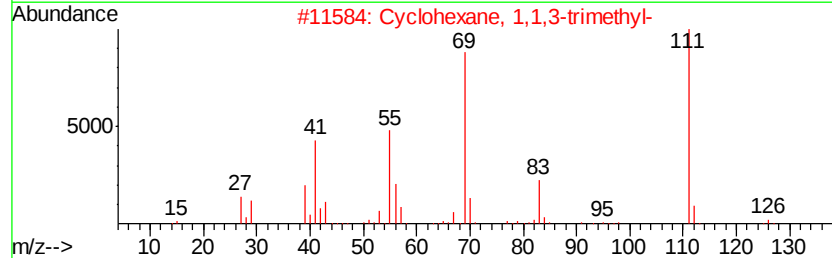
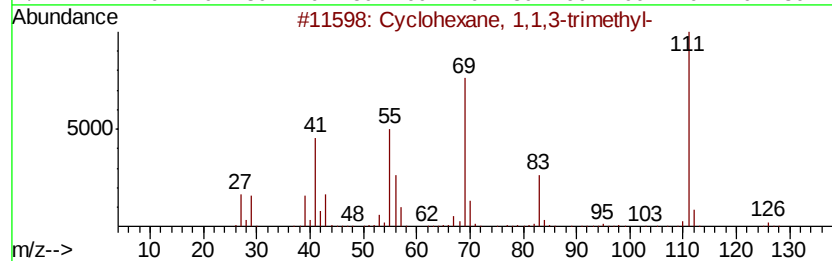
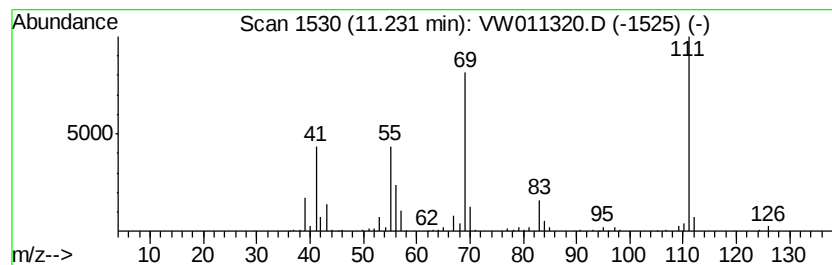
Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Cyclic11.23 Concentration Rank 11

| R.T.      | EstConc                       | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|--------|------------------|-------------|------|
| 11.23     | 4.08 ug/L                     | 141587 | Chlorobenzene-d5 | 11.63       |      |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual |
| 1         | Cvclohexane, 1,1,3-trimethyl- | 126    | C9H18            | 003073-66-3 | 91   |
| 2         | Cvclohexane, 1,1,3-trimethyl- | 126    | C9H18            | 003073-66-3 | 90   |
| 3         | Cvclohexane, 1,1,3-trimethyl- | 126    | C9H18            | 003073-66-3 | 87   |
| 4         | Cvclooctane, butyl-           | 168    | C12H24           | 016538-93-5 | 83   |
| 5         | Cyclohexane, 1,3,5-trimethyl- | 126    | C9H18            | 001839-63-0 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

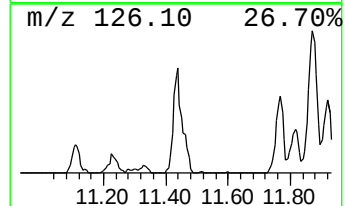
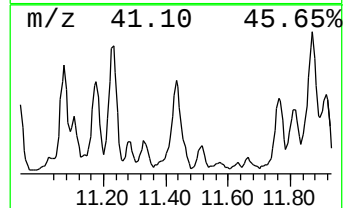
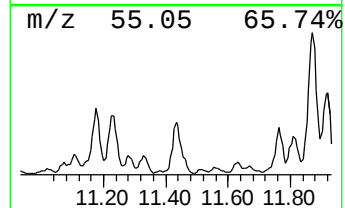
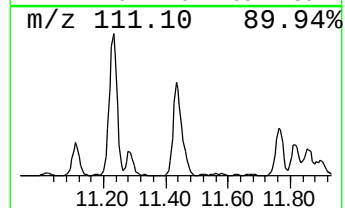
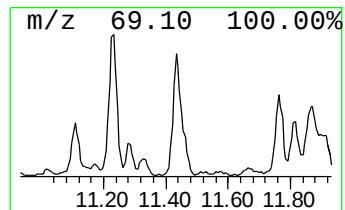
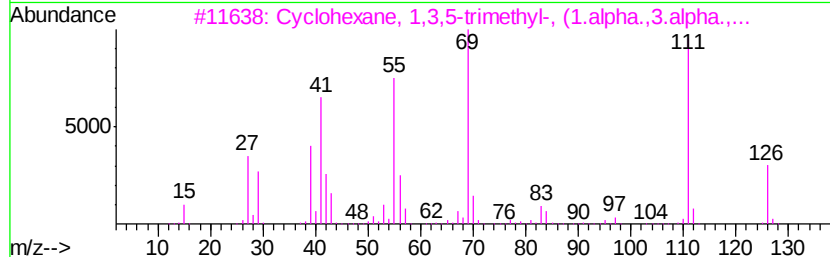
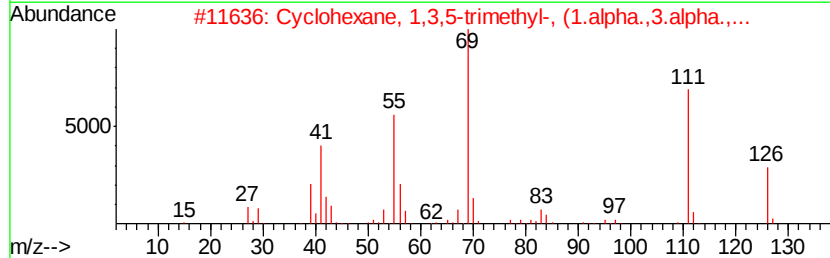
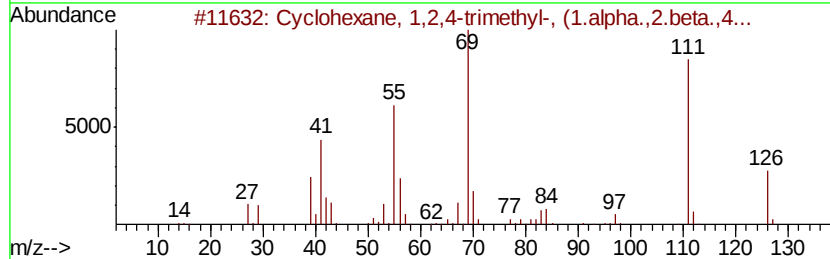
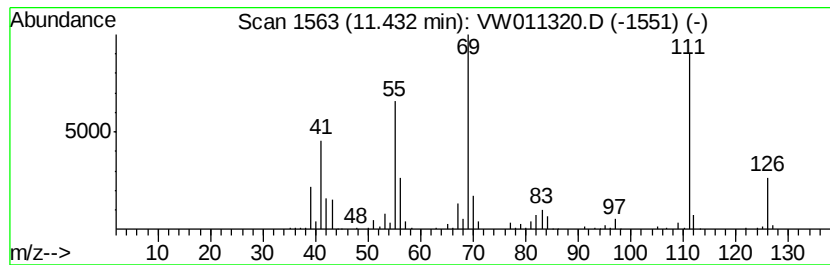
Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Cyclic11.43 Concentration Rank 5

| R.T.    | EstConc   | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|-----------|-------------------------------------|------------------|---------|-------------|------|
| 11.43   | 4.84 ug/L | 167959                              | Chlorobenzene-d5 | 11.63   |             |      |
| Hit# of | 5         | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |           | Cvclohexane, 1,2,4-trimethyl-, (... | 126              | C9H18   | 007667-60-9 | 94   |
| 2       |           | Cvclohexane, 1,3,5-trimethyl-, (... | 126              | C9H18   | 001795-26-2 | 94   |
| 3       |           | Cvclohexane, 1,3,5-trimethyl-, (... | 126              | C9H18   | 001795-26-2 | 94   |
| 4       |           | Cvclohexane, 1,2,4-trimethyl-, (... | 126              | C9H18   | 007667-60-9 | 94   |
| 5       |           | Cvclohexane, 1,3,5-trimethyl-, (... | 126              | C9H18   | 001795-27-3 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

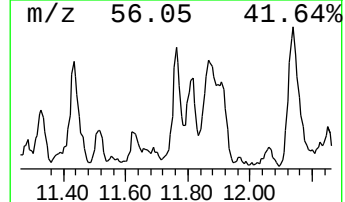
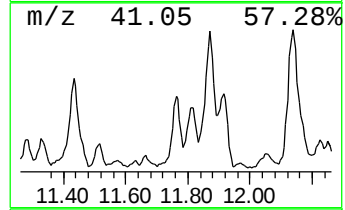
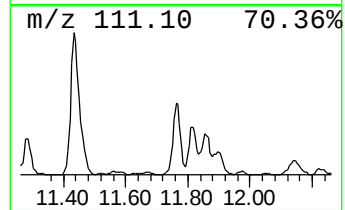
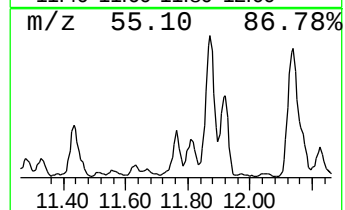
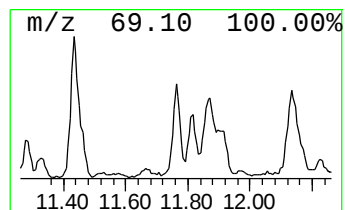
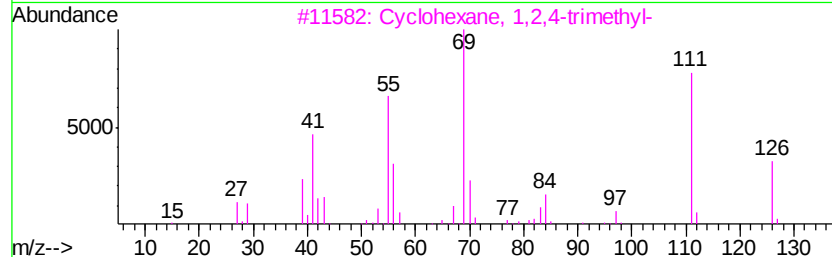
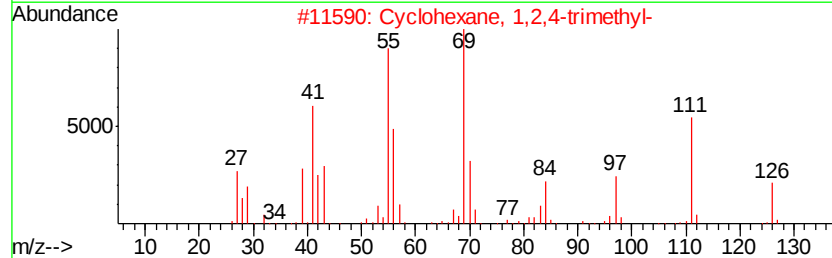
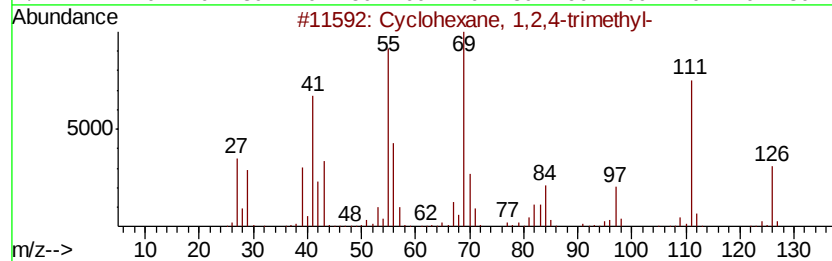
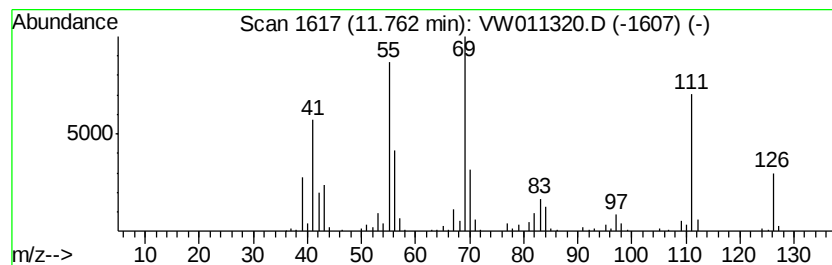
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 (DEL) Alkane: Cyclic11.76 Concentration Rank 14

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 11.76 | 3.11 ug/L | 107876 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,2,4-trimethyl-        | 126 | C9H18   | 002234-75-5 | 94   |
| 2    |    |   | Cyclohexane, 1,2,4-trimethyl-        | 126 | C9H18   | 002234-75-5 | 91   |
| 3    |    |   | Cyclohexane, 1,2,4-trimethyl-        | 126 | C9H18   | 002234-75-5 | 91   |
| 4    |    |   | Cyclohexane, 1,2,4-trimethyl-        | 126 | C9H18   | 002234-75-5 | 90   |
| 5    |    |   | Cyclohexane, 1,2,3-trimethyl-, (...) | 126 | C9H18   | 001678-81-5 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

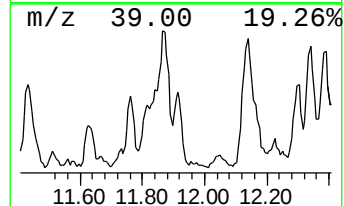
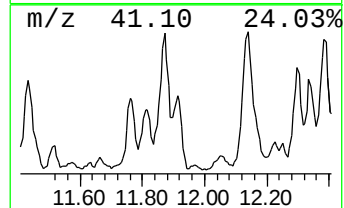
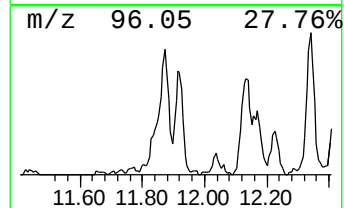
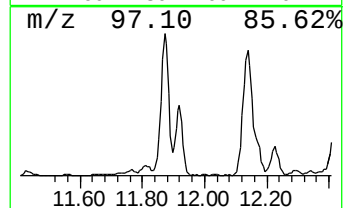
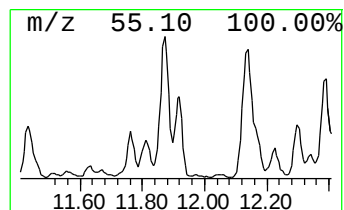
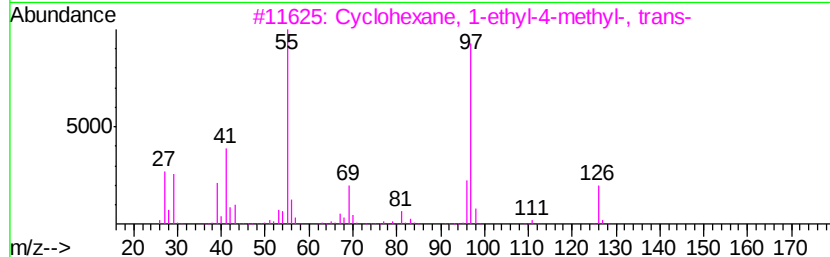
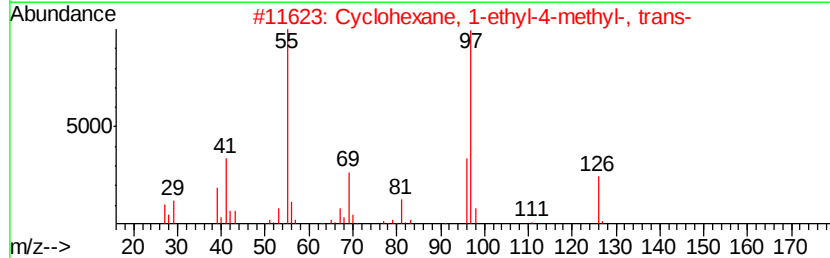
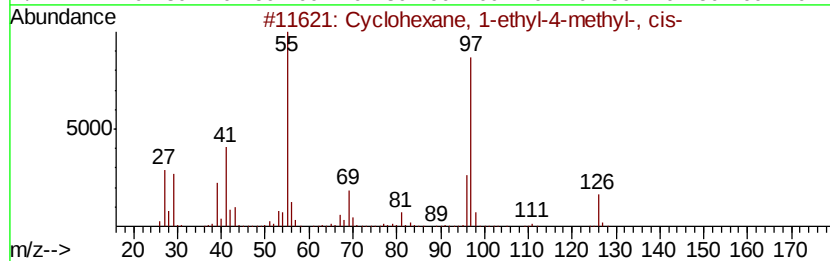
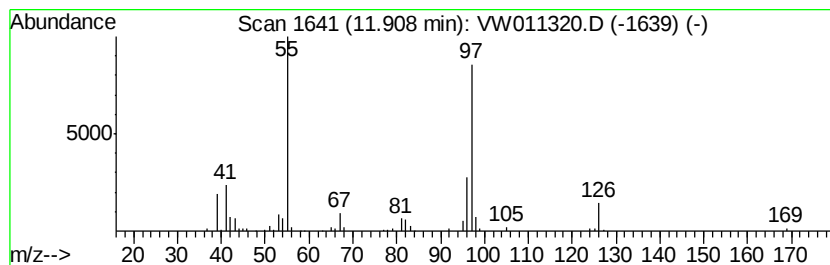
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 (DEL) Alkane: Cyclic11.91 Concentration Rank 16

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 11.91 | 3.01 ug/L | 104625 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7 | 91   |
| 2    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 87   |
| 3    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 86   |
| 4    |    |   | cis-1-Ethyl-3-methyl-cyclohexane    | 126 | C9H18   | 019489-10-2 | 72   |
| 5    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

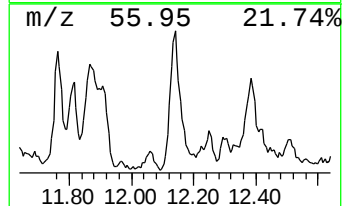
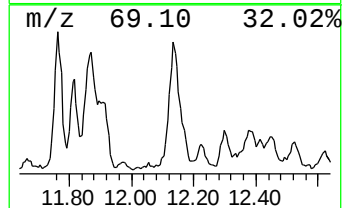
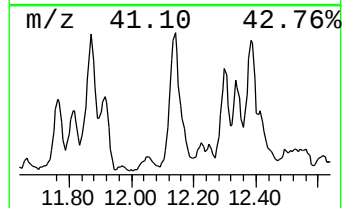
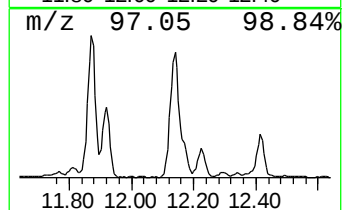
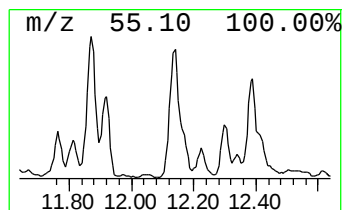
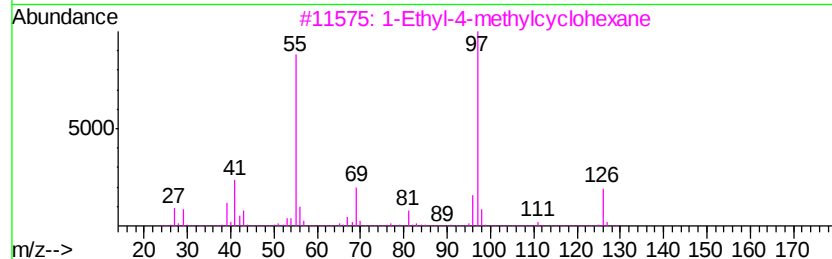
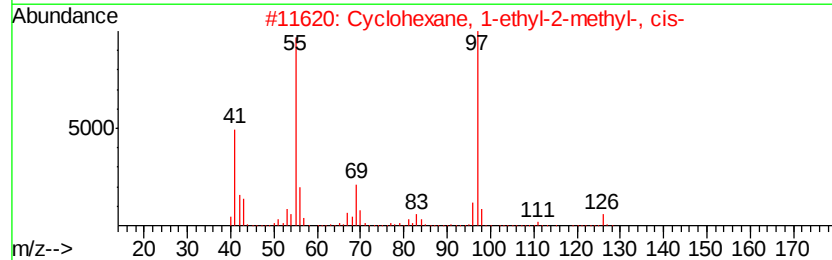
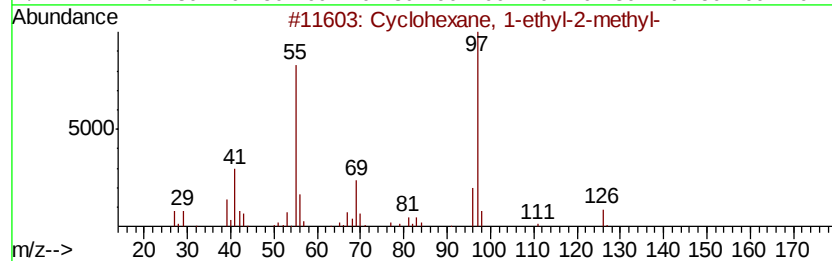
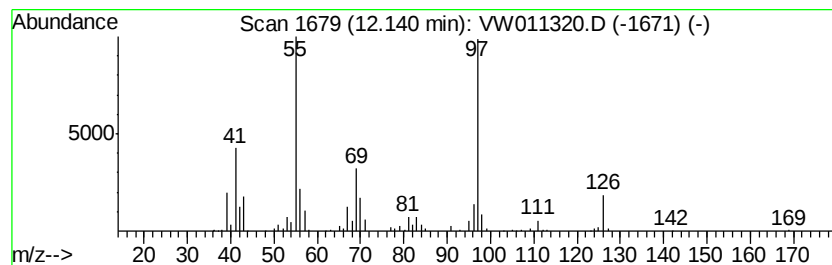
Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 13 (DEL) Alkane: Cyclic12.14 Concentration Rank 2

| R.T.    | EstConc   | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|-----------|-------------------------------------|------------------|---------|-------------|------|
| 12.14   | 9.11 ug/L | 316389                              | Chlorobenzene-d5 | 11.63   |             |      |
| Hit# of | 5         | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |           | Cvclohexane, 1-ethyl-2-methyl-      | 126              | C9H18   | 003728-54-9 | 87   |
| 2       |           | Cyclohexane, 1-ethyl-2-methyl-, ... | 126              | C9H18   | 004923-77-7 | 86   |
| 3       |           | 1-Ethyl-4-methylcvclohexane         | 126              | C9H18   | 003728-56-1 | 74   |
| 4       |           | Cvclohexane, 1,3-dimethyl-, cis-    | 112              | C8H16   | 000638-04-0 | 72   |
| 5       |           | Cyclohexane, 1-methyl-2-propyl-     | 140              | C10H20  | 004291-79-6 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

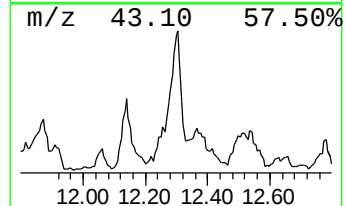
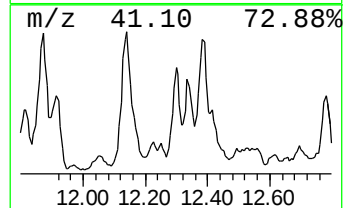
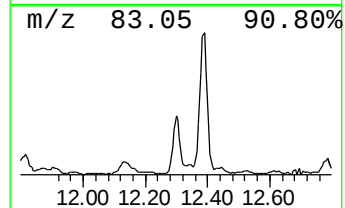
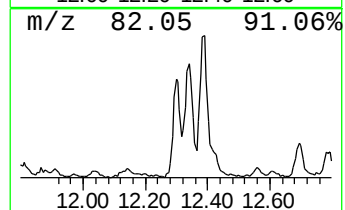
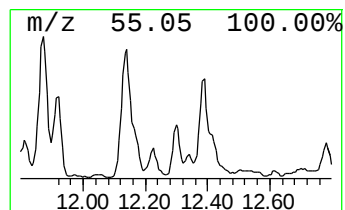
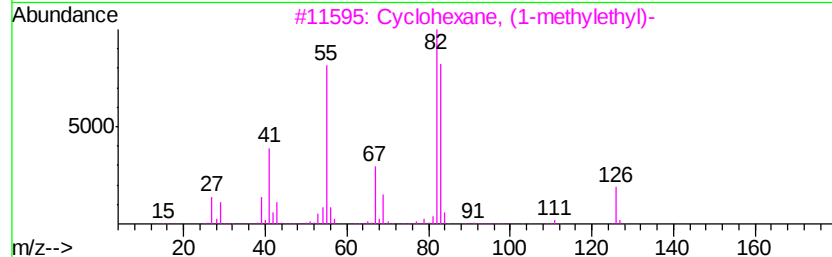
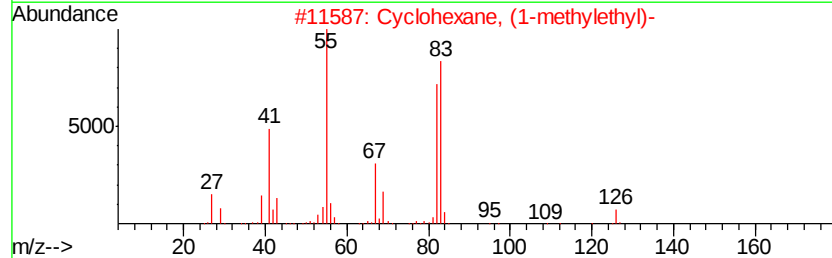
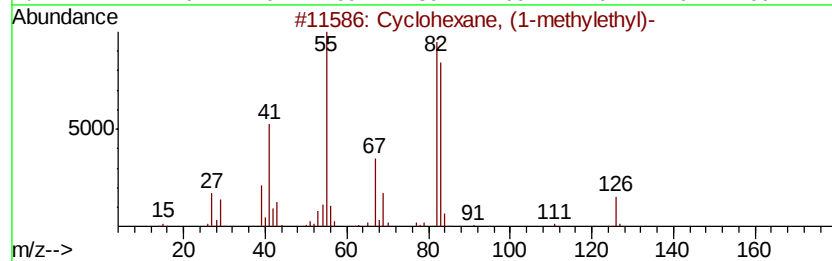
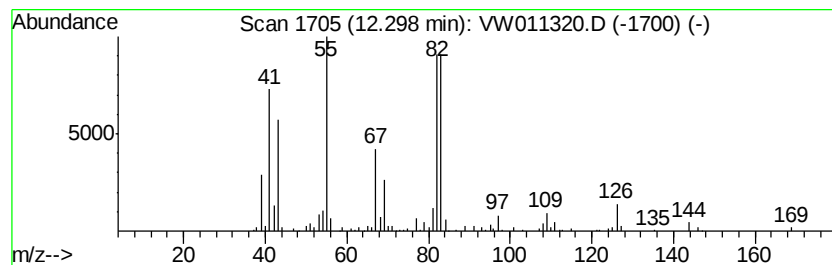
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 (DEL) Alkane: Cyclic12.30 Concentration Rank 17

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 12.30 | 2.91 ug/L | 101157 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, (1-methylethyl)-        | 126 | C9H18   | 000696-29-7 | 90   |
| 2    |    | Cyclohexane, (1-methylethyl)-        | 126 | C9H18   | 000696-29-7 | 87   |
| 3    |    | Cyclohexane, (1-methylethyl)-        | 126 | C9H18   | 000696-29-7 | 64   |
| 4    |    | Cyclohexane, 1,1'-(1,4-butanediol... | 222 | C16H30  | 006165-44-2 | 59   |
| 5    |    | Vinylcyclohexyl ether                | 126 | C8H14O  | 002182-55-0 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

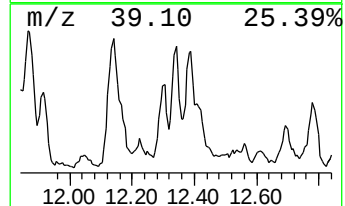
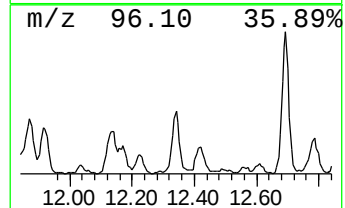
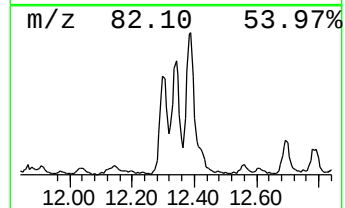
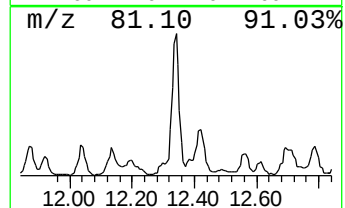
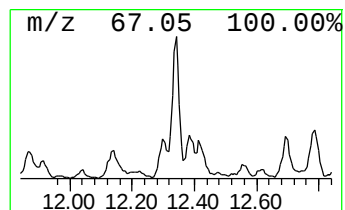
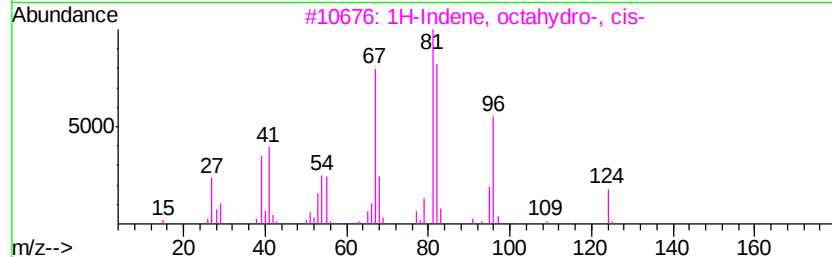
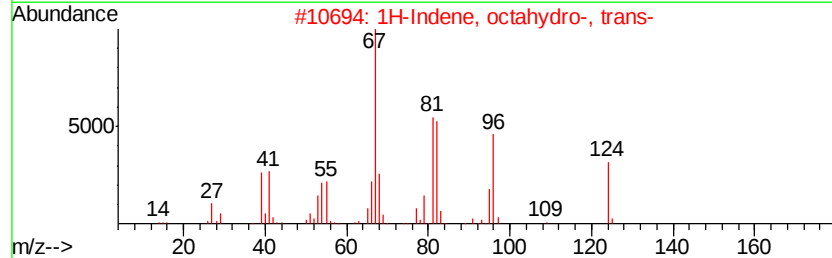
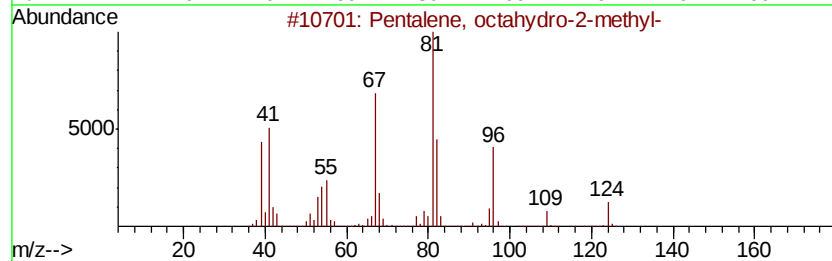
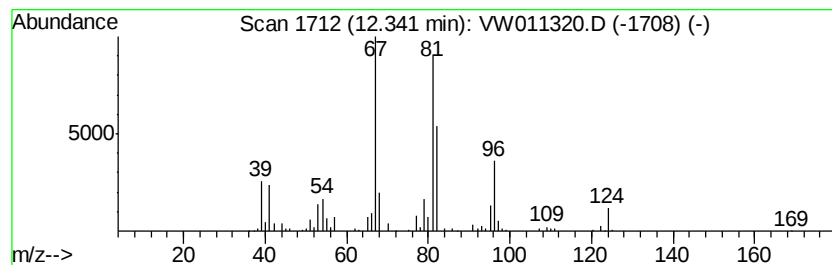
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Pentalene, octahydro-2-methyl- Concentration Rank 21

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 12.34 | 2.13 ug/L | 73995 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentalene, octahydro-2-methyl- | 124 | C9H16   | 003868-64-2 | 68   |
| 2    |    | 1H-Indene, octahydro-, trans-  | 124 | C9H16   | 003296-50-2 | 58   |
| 3    |    | 1H-Indene, octahydro-, cis-    | 124 | C9H16   | 004551-51-3 | 55   |
| 4    |    | Pentalene, octahydro-1-methyl- | 124 | C9H16   | 032273-77-1 | 46   |
| 5    |    | Cyclohexene,3-propyl-          | 124 | C9H16   | 003983-06-0 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

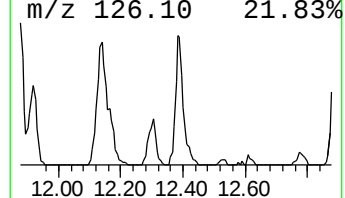
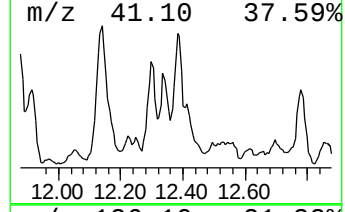
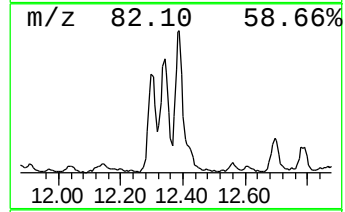
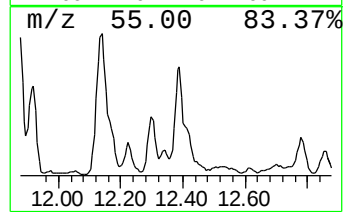
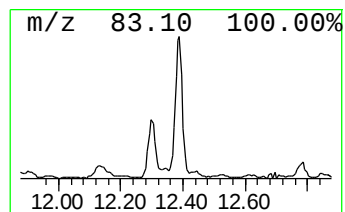
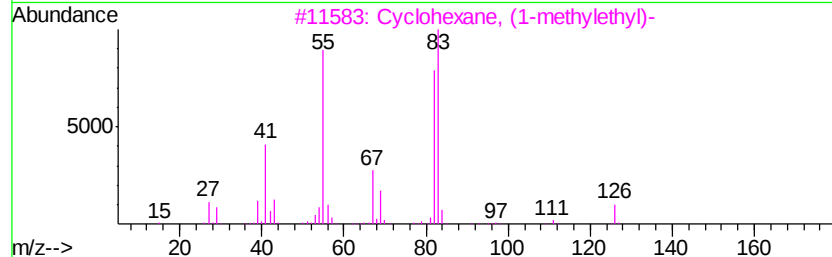
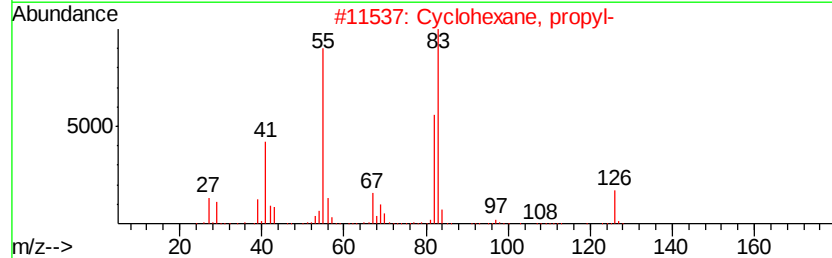
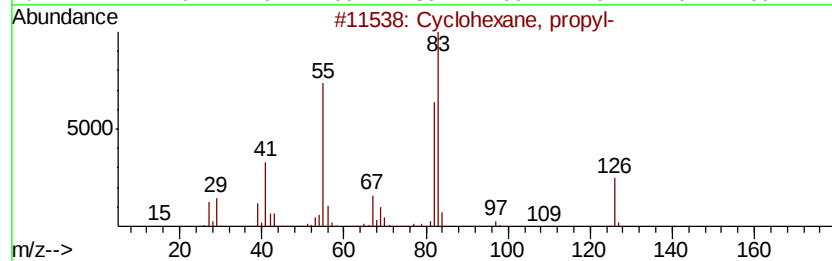
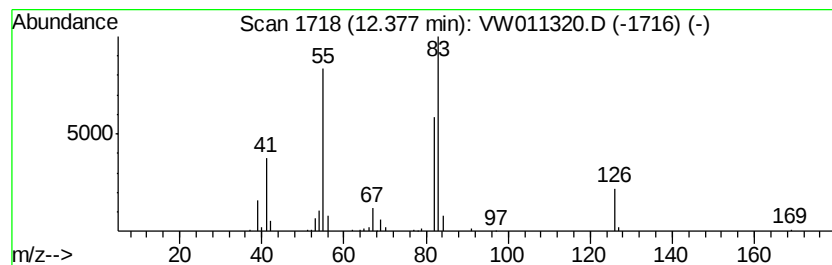
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 (DEL) Alkane: Cyclic12.38 Concentration Rank 22

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 12.38 | 2.02 ug/L | 70224 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, propyl-               | 126 | C9H18   | 001678-92-8 | 90   |
| 2    |    | Cyclohexane, propyl-               | 126 | C9H18   | 001678-92-8 | 83   |
| 3    |    | Cyclohexane, (1-methylethyl)-      | 126 | C9H18   | 000696-29-7 | 72   |
| 4    |    | Ethanone, 1-(1-methylcyclopentyl)- | 126 | C8H14O  | 013388-93-7 | 72   |
| 5    |    | Cyclohexane, 2-propenyl-           | 124 | C9H16   | 002114-42-3 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

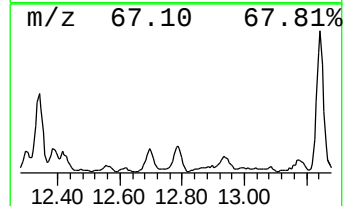
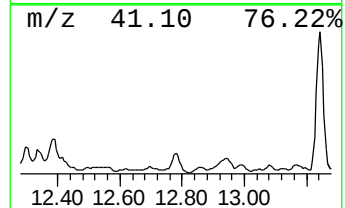
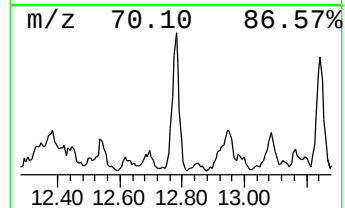
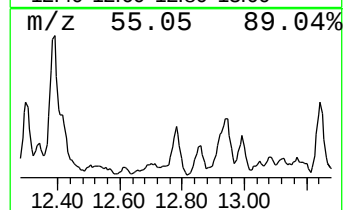
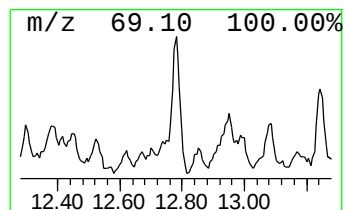
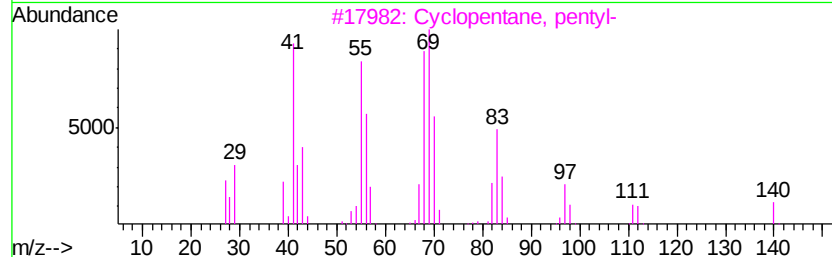
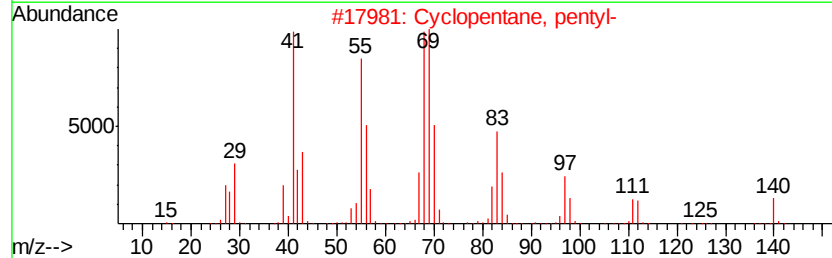
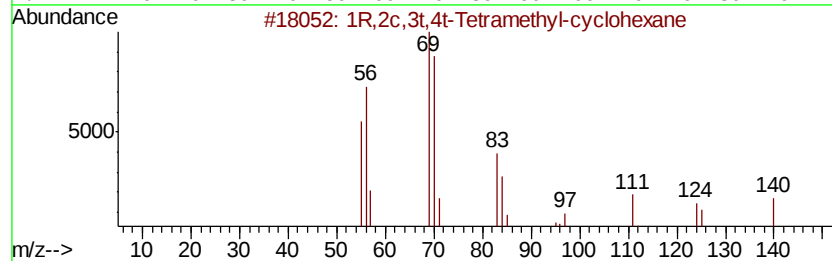
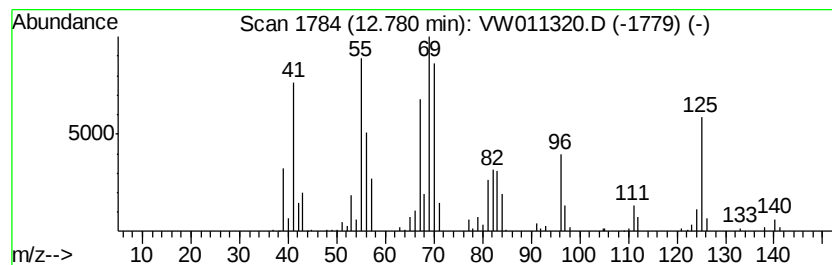
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 (DEL) Alkane: Cyclic12.78 Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.78 | 4.73 ug/L | 124452 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 1R,2c,3t,4t-Tetramethyl-cyclohexane | 140 | C10H20  | 1000144-07-3 | 53   |
| 2    |    |   | Cyclopentane, pentyl-               | 140 | C10H20  | 003741-00-2  | 45   |
| 3    |    |   | Cyclopentane, pentyl-               | 140 | C10H20  | 003741-00-2  | 43   |
| 4    |    |   | Cyclopropane, 1,2-dimethyl-3-pen... | 140 | C10H20  | 062238-10-2  | 43   |
| 5    |    |   | 2-Octene, 2,6-dimethyl-             | 140 | C10H20  | 004057-42-5  | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

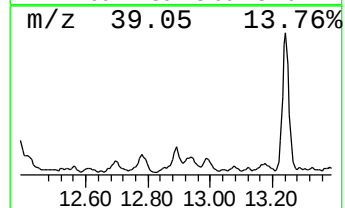
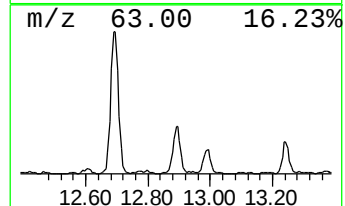
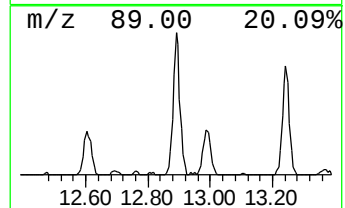
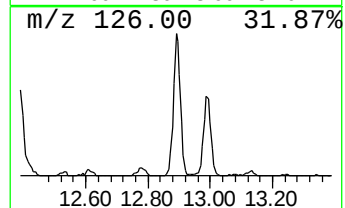
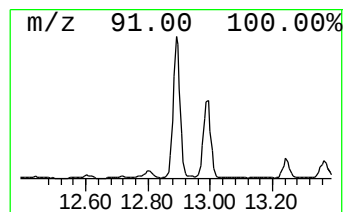
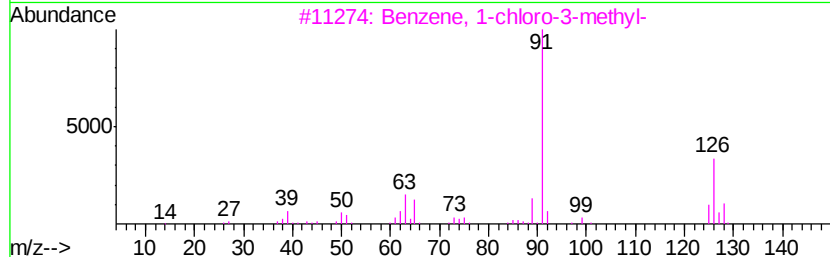
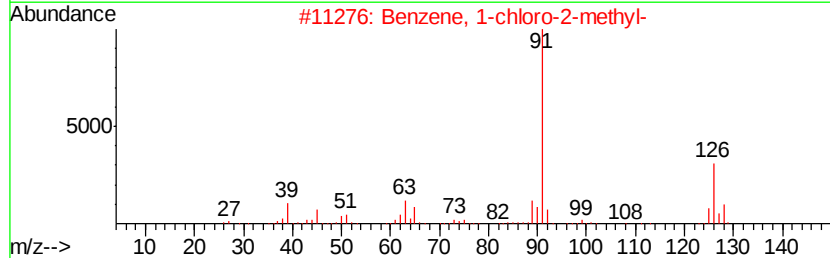
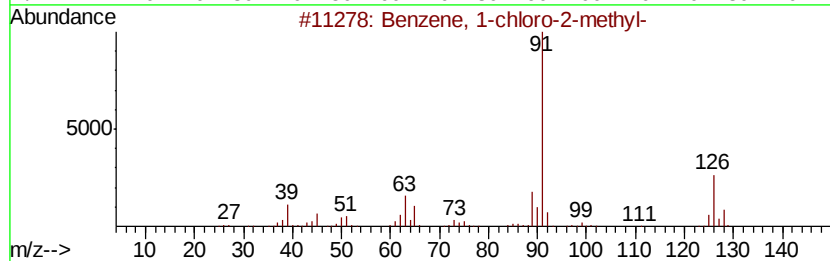
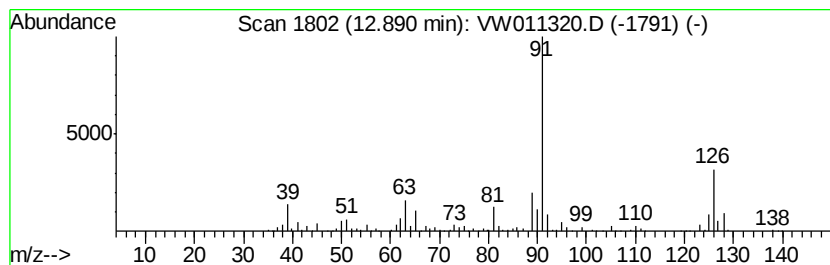
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 Benzene, 1-chloro-2-methyl- Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.89 | 7.13 ug/L | 187788 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl  | 000095-49-8 | 96   |
| 2    |    | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl  | 000095-49-8 | 94   |
| 3    |    | Benzene, 1-chloro-3-methyl- | 126 | C7H7Cl  | 000108-41-8 | 91   |
| 4    |    | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl  | 000095-49-8 | 89   |
| 5    |    | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl  | 000095-49-8 | 89   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

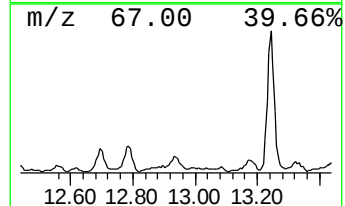
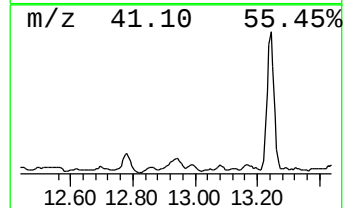
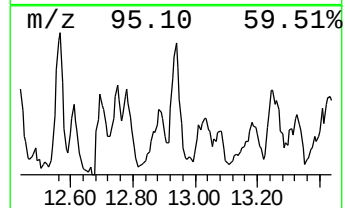
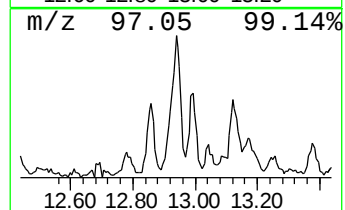
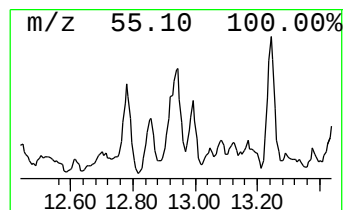
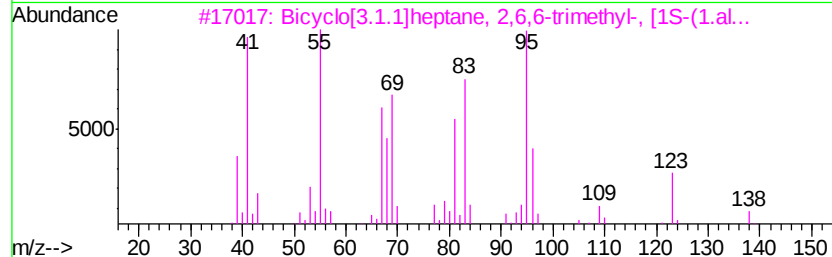
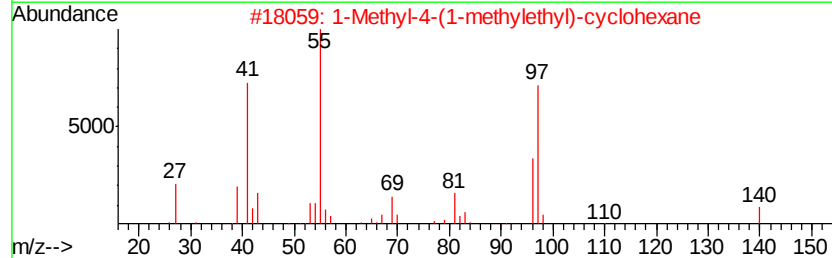
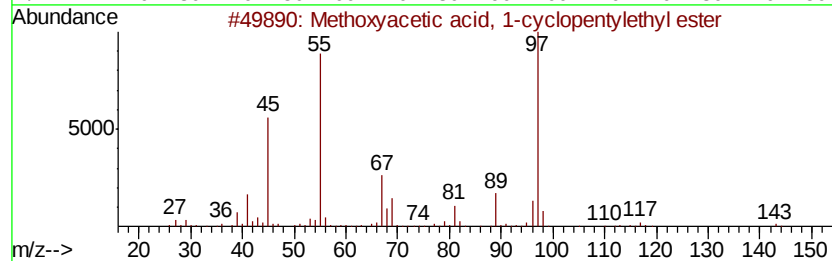
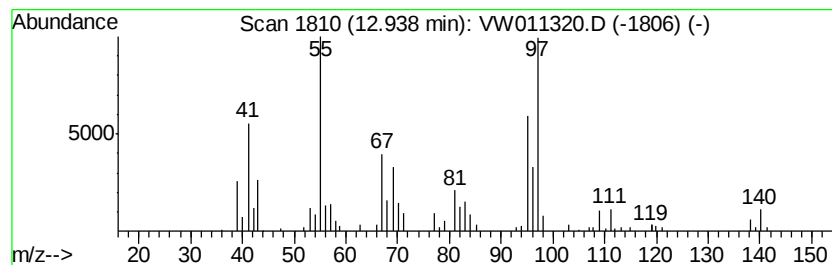
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 unknown-02 Concentration Rank 13

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.94 | 3.35 ug/L | 88331 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Methoxyvacetic acid, 1-cvclopentv... | 186 | C10H18O3 | 1000282-69-5 | 47   |
| 2    |    | 1-Methyl-4-(1-methylethyl)-cyclo...  | 140 | C10H20   | 000099-82-1  | 46   |
| 3    |    | Bicvclo[3.1.1]heptane, 2,6,6-tri...  | 138 | C10H18   | 004755-33-3  | 46   |
| 4    |    | m-Menthane, (1S,3S)-(+)-             | 140 | C10H20   | 013837-67-7  | 46   |
| 5    |    | Cyclohexane, 1-methyl-2-propyl-      | 140 | C10H20   | 004291-79-6  | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

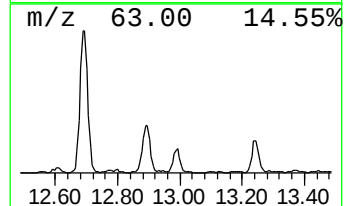
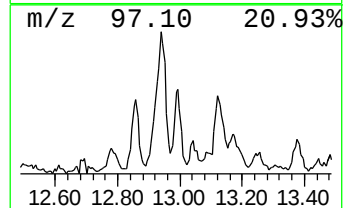
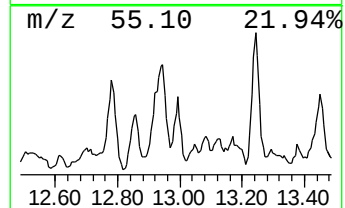
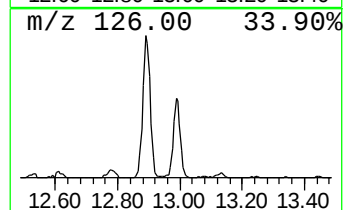
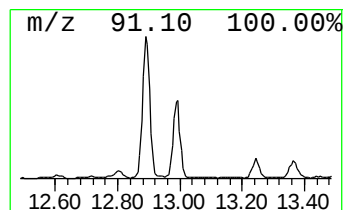
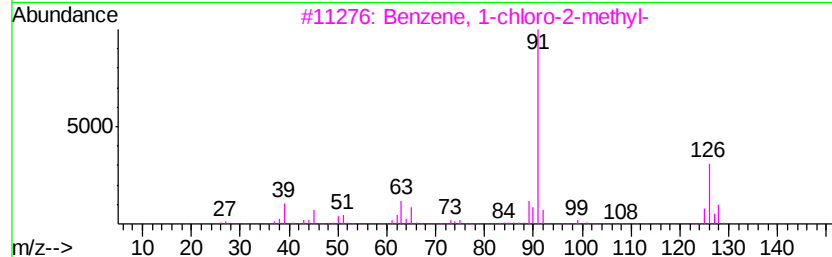
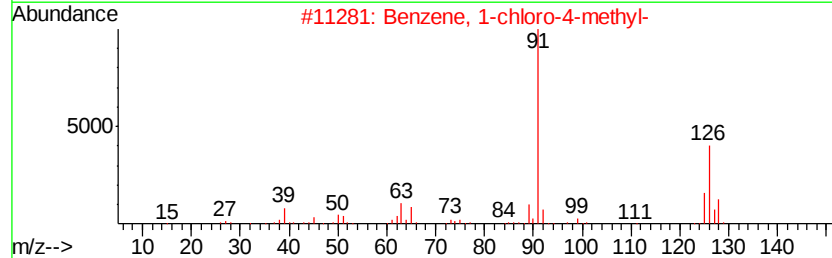
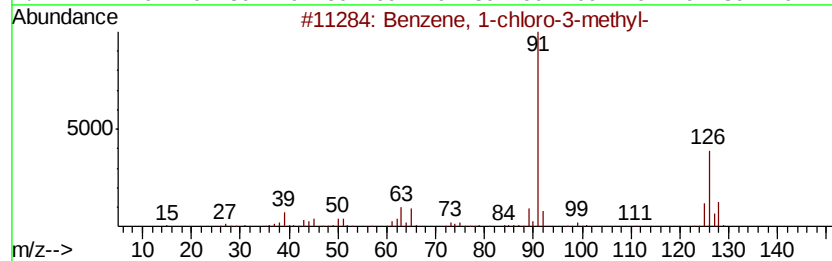
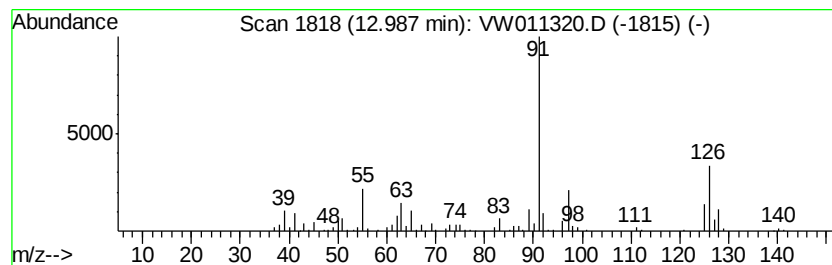
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 21 Benzene, 1-chloro-3-methyl- Concentration Rank 15

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.99 | 3.02 ug/L | 79565 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-3-methyl- | 126 | C7H7Cl  | 000108-41-8 | 95   |
| 2    |    | Benzene, 1-chloro-4-methyl- | 126 | C7H7Cl  | 000106-43-4 | 92   |
| 3    |    | Benzene, 1-chloro-2-methyl- | 126 | C7H7Cl  | 000095-49-8 | 86   |
| 4    |    | Benzene, 1-chloro-4-methyl- | 126 | C7H7Cl  | 000106-43-4 | 86   |
| 5    |    | Benzene, 1-chloro-3-methyl- | 126 | C7H7Cl  | 000108-41-8 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

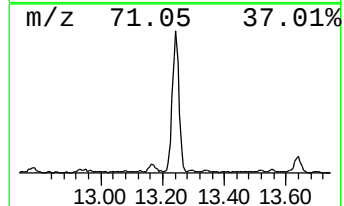
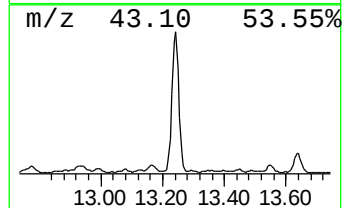
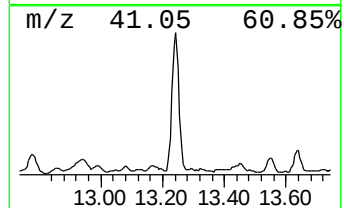
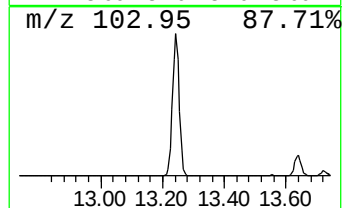
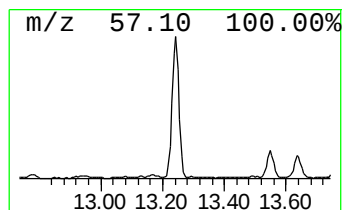
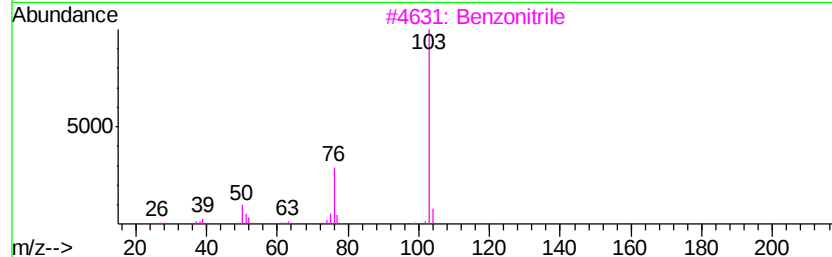
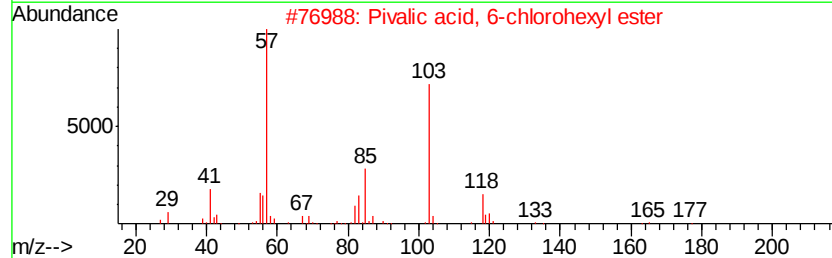
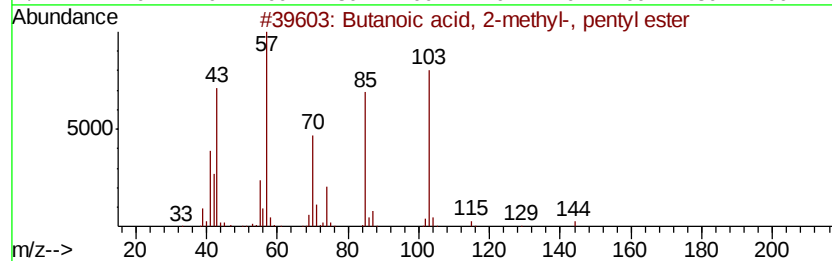
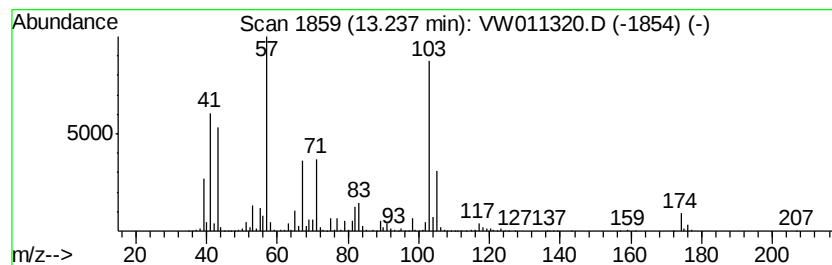
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 23 unknown-03 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.24 | 24.53 ug/L | 645971 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Butanoic acid, 2-methyl-, pentyl... | 172 | C10H20O2   | 068039-26-9  | 43   |
| 2    |    | Pivalic acid, 6-chlorohexyl ester   | 220 | C11H21ClO2 | 1000330-91-8 | 38   |
| 3    |    | Benzonitrile                        | 103 | C7H5N      | 000100-47-0  | 27   |
| 4    |    | Isobutyl propane-1,3-divl dicarb... | 276 | C13H24O6   | 1000373-68-1 | 25   |
| 5    |    | Carbonic acid, 2,2,2-trichloroet... | 262 | C8H13Cl3O3 | 1000357-89-3 | 14   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

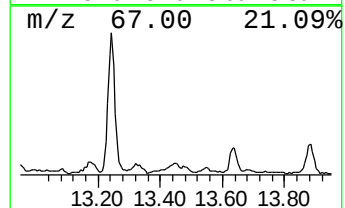
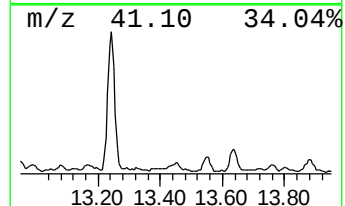
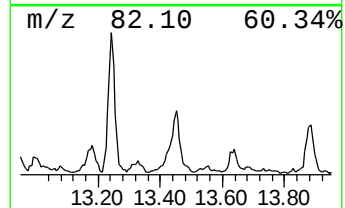
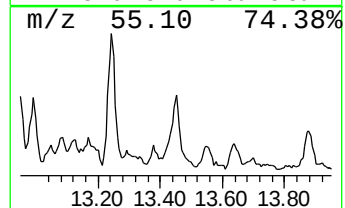
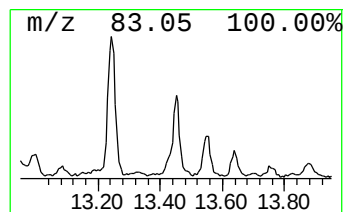
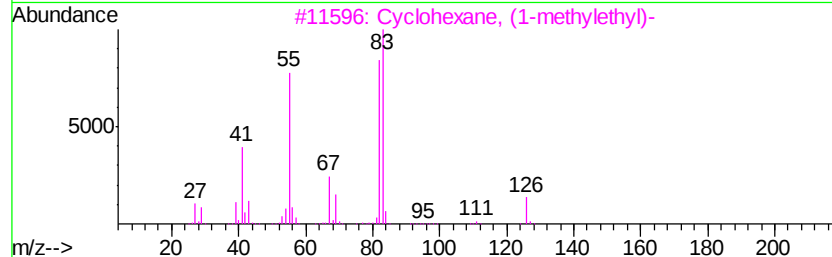
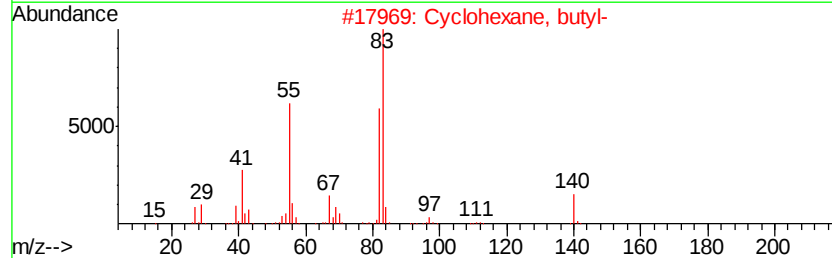
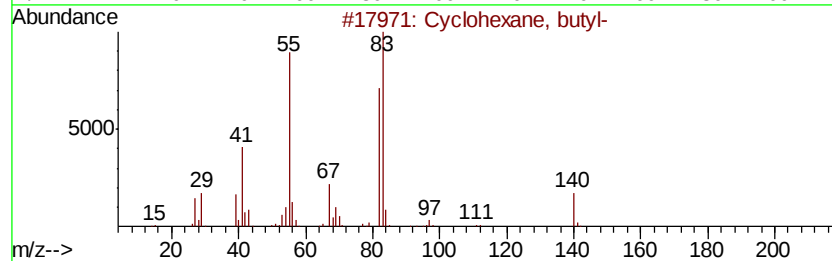
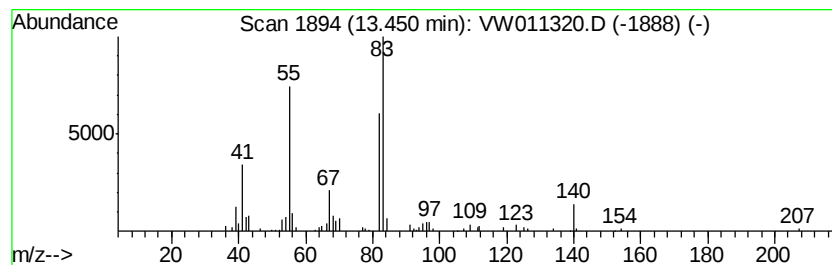
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 24 (DEL) Alkane: Cyclic13.45 Concentration Rank 29

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.45 | 1.47 ug/L | 38815 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, butyl-           | 140 | C10H20  | 001678-93-9 | 87   |
| 2    |    |   | Cyclohexane, butyl-           | 140 | C10H20  | 001678-93-9 | 83   |
| 3    |    |   | Cyclohexane, (1-methylethyl)- | 126 | C9H18   | 000696-29-7 | 83   |
| 4    |    |   | Cyclohexane, pentyl-          | 154 | C11H22  | 004292-92-6 | 74   |
| 5    |    |   | Cyclohexane, 2-propenyl-      | 124 | C9H16   | 002114-42-3 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

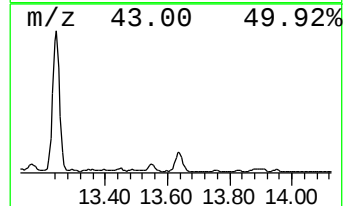
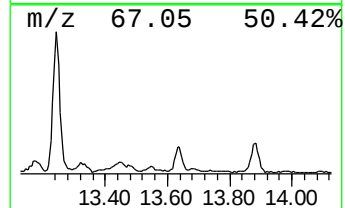
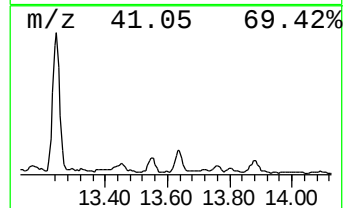
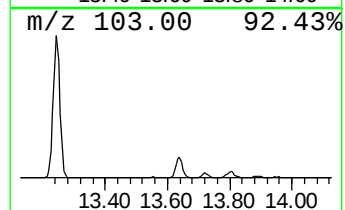
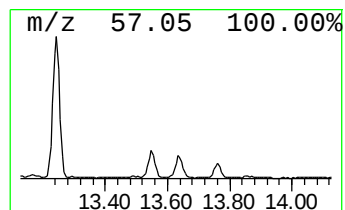
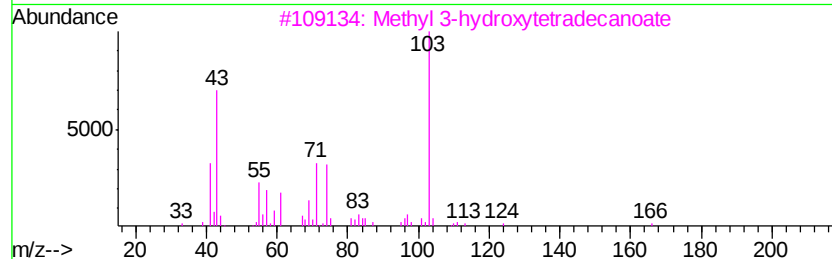
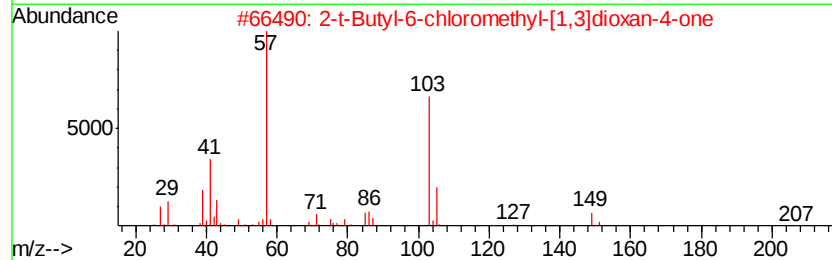
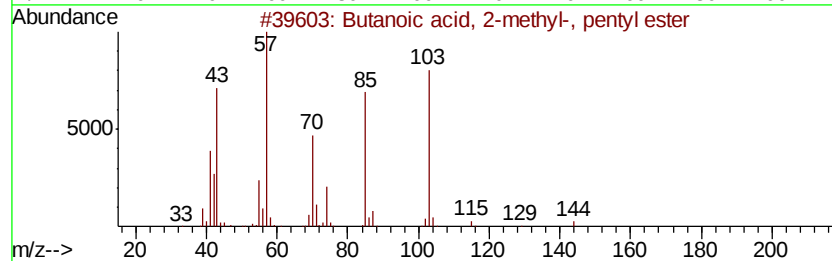
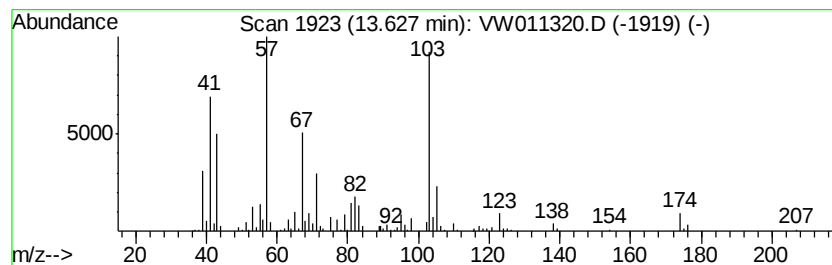
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 25 unknown-04 Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.63 | 4.13 ug/L | 108790 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Butanoic acid, 2-methyl-, pentyl... | 172 | C10H20O2  | 068039-26-9 | 38   |
| 2    |    | 2-t-Butyl-6-chloromethyl-[1,3]di... | 206 | C9H15ClO3 | 139883-58-2 | 38   |
| 3    |    | Methyl 3-hydroxytetradecanoate      | 258 | C15H30O3  | 055682-83-2 | 37   |
| 4    |    | Methyl 3-hydroxydodecanoate         | 230 | C13H26O3  | 072864-23-4 | 32   |
| 5    |    | Butyl 2-methylbutanoate             | 158 | C9H18O2   | 015706-73-7 | 32   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

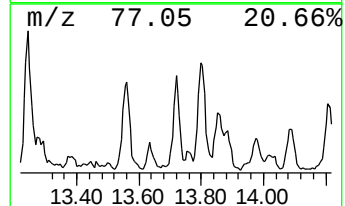
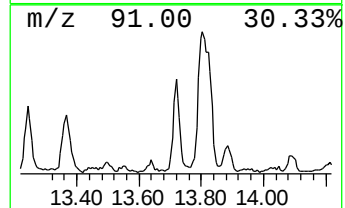
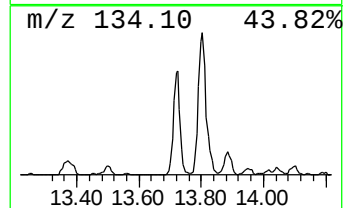
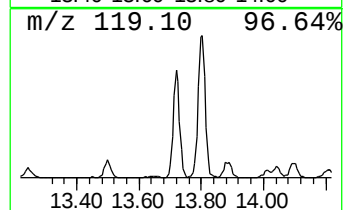
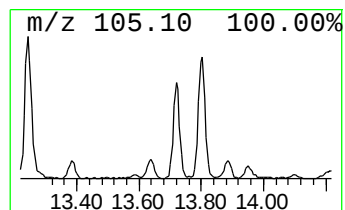
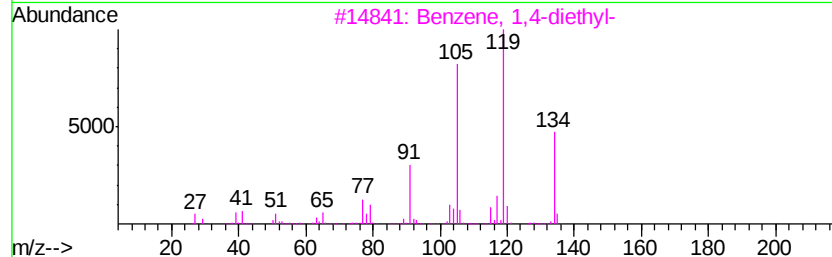
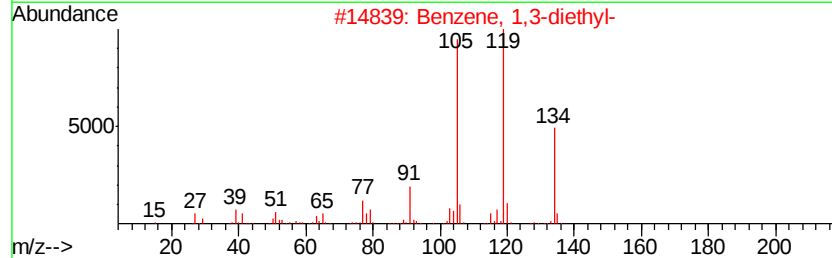
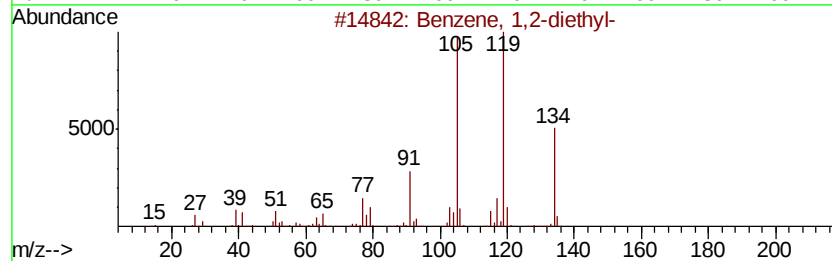
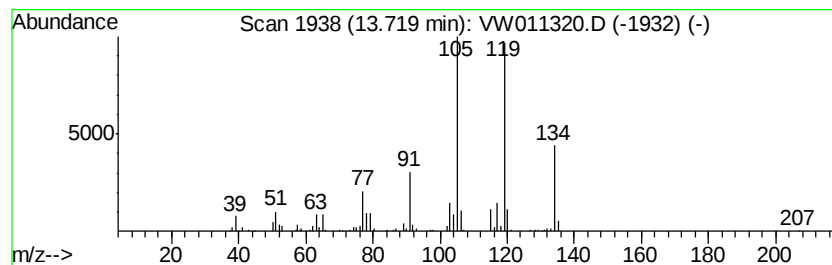
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 26 Benzene, 1,2-diethyl- Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.72 | 4.55 ug/L | 119780 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2-diethyl- | 134 | C10H14  | 000135-01-3 | 96   |
| 2    |    | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 95   |
| 3    |    | Benzene, 1,4-diethyl- | 134 | C10H14  | 000105-05-5 | 95   |
| 4    |    | Benzene, 1,4-diethyl- | 134 | C10H14  | 000105-05-5 | 95   |
| 5    |    | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 93   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

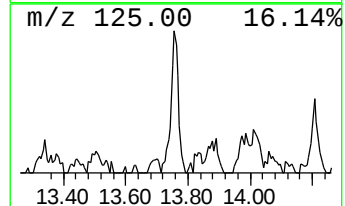
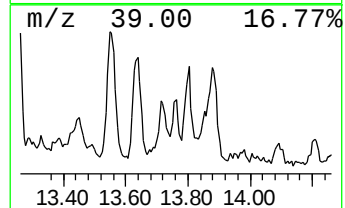
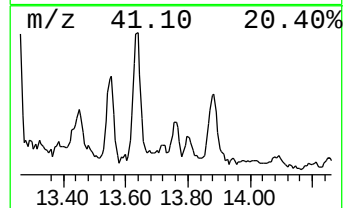
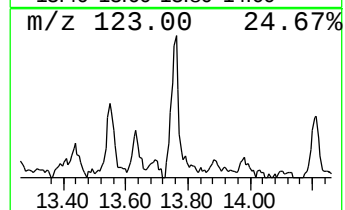
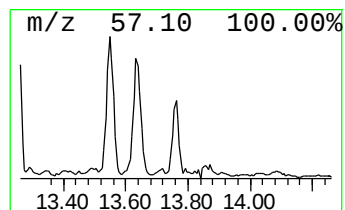
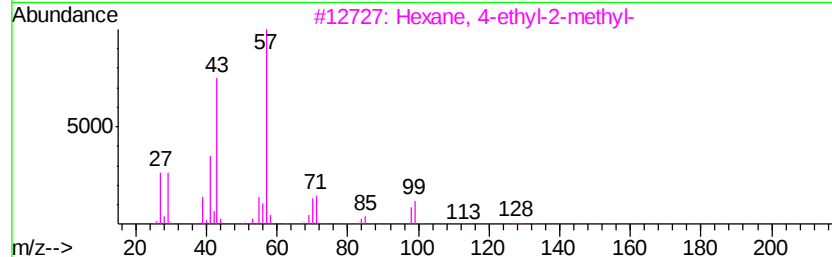
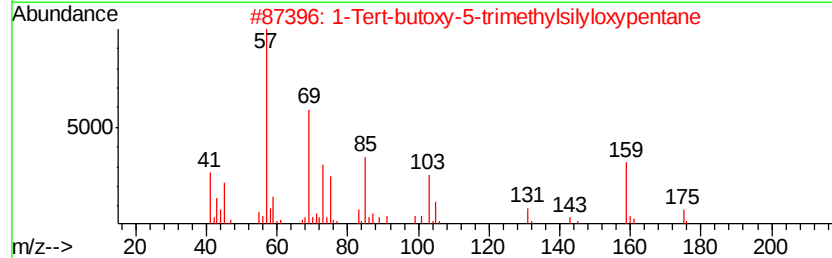
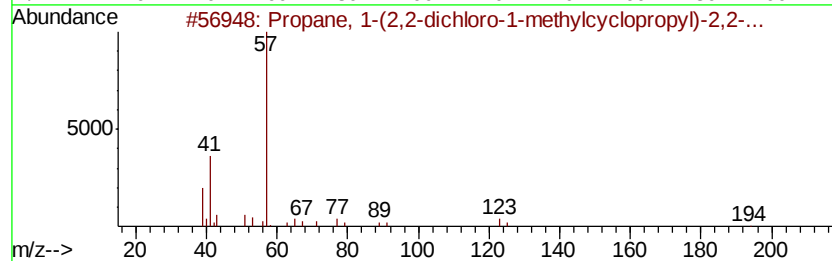
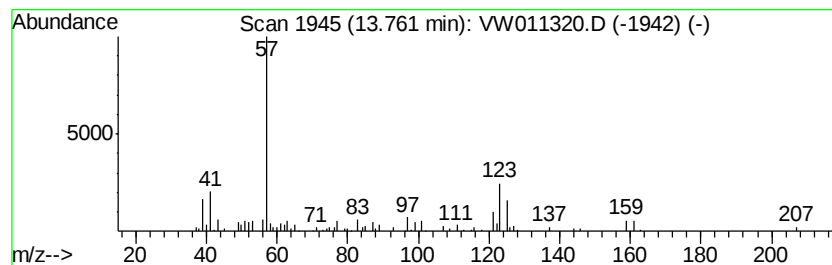
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 27 unknown-05 Concentration Rank 24

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.76 | 1.88 ug/L | 49388 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Propane, 1-(2,2-dichloro-1-methyl... | 194 | C9H16Cl2   | 024551-84-6  | 37   |
| 2    |    |   | 1-Tert-butoxy-5-trimethylsilylox...  | 232 | C12H28O2Si | 091988-80-6  | 10   |
| 3    |    |   | Hexane, 4-ethyl-2-methyl-            | 128 | C9H20      | 003074-75-7  | 9    |
| 4    |    |   | 5-Hepten-3-one, 5-methyl-            | 126 | C8H14O     | 001190-34-7  | 9    |
| 5    |    |   | Sulfone, 2-hydroxybutyl t-butyl      | 194 | C8H18O3S   | 1000161-82-4 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

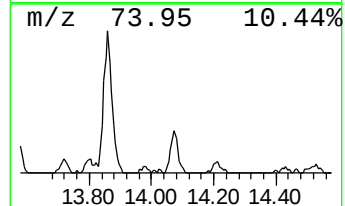
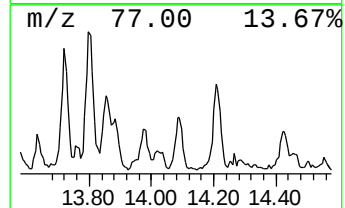
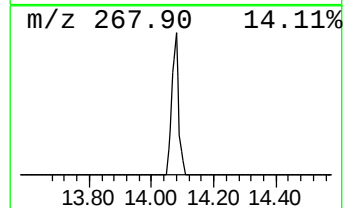
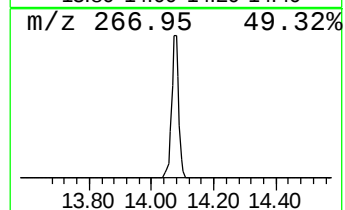
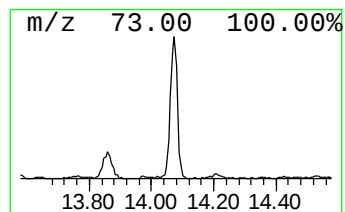
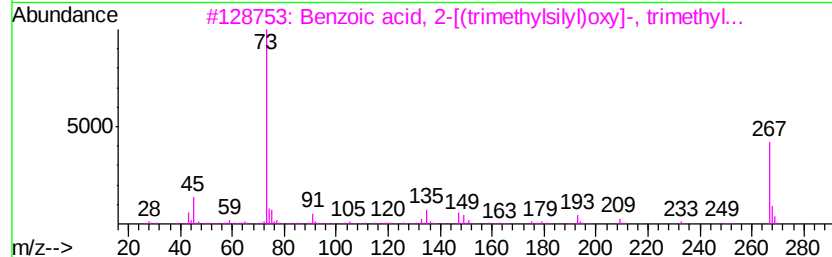
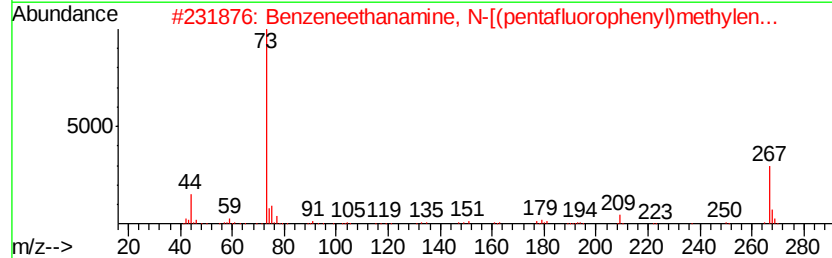
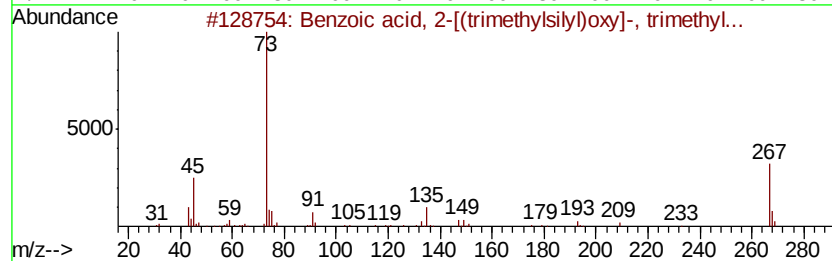
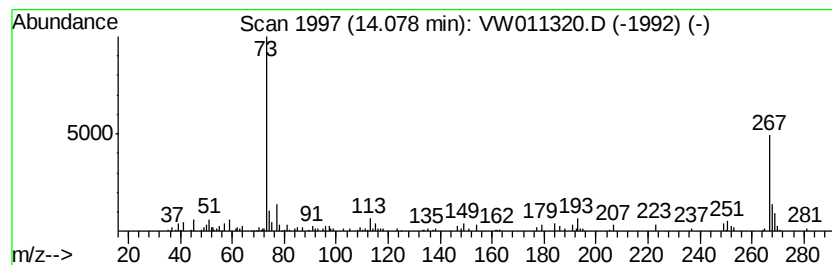
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 28 unknown-06 Concentration Rank 20

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.08 | 2.45 ug/L | 64654 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                                         | MW  | MolForm        | CAS#         | Qual |
|------|----|---|------------------------------------------------------|-----|----------------|--------------|------|
| 1    |    |   | Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl... | 282 | C13H22O3Si2    | 003789-85-3  | 45   |
| 2    |    |   | Benzenethanamine, N-[(pentafluorophenyl)methyl]...   | 475 | C21H26F5N02Si2 | 055429-85-1  | 45   |
| 3    |    |   | Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl... | 282 | C13H22O3Si2    | 003789-85-3  | 45   |
| 4    |    |   | Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl... | 282 | C13H22O3Si2    | 003789-85-3  | 38   |
| 5    |    |   | 3-Methylcatechol, bis(trimethylsilyl) ether          | 268 | C13H24O2Si2    | 1000352-79-1 | 10   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071719\  
Data File : VW011320.D  
Acq On : 17 Jul 2019 21:51  
Operator : SY/VA  
Sample : K3863-01  
Misc : 5.95G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis

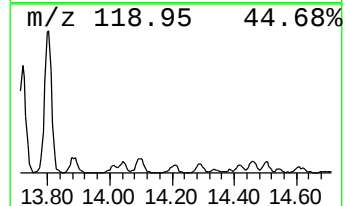
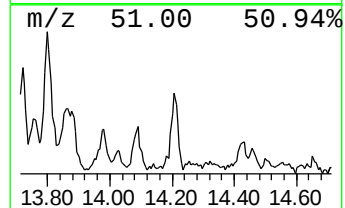
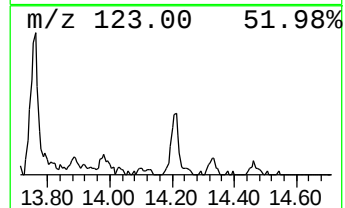
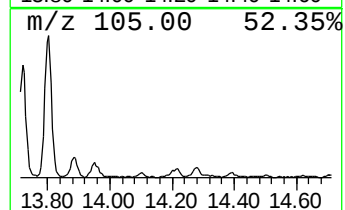
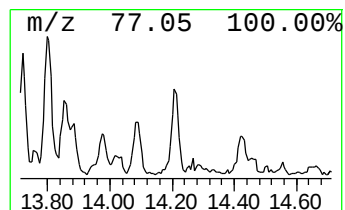
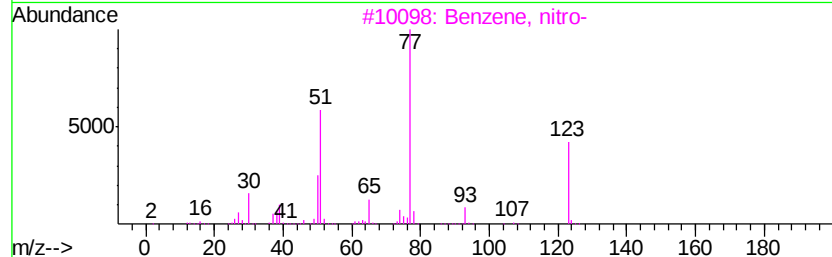
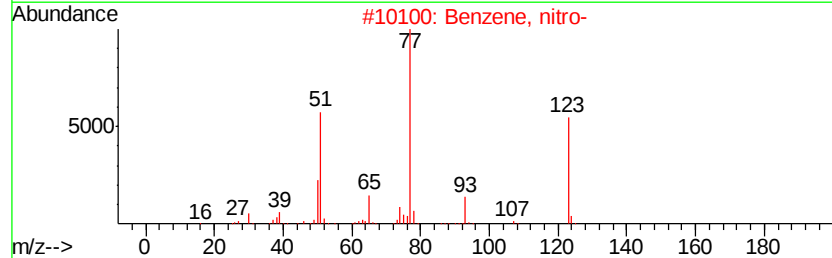
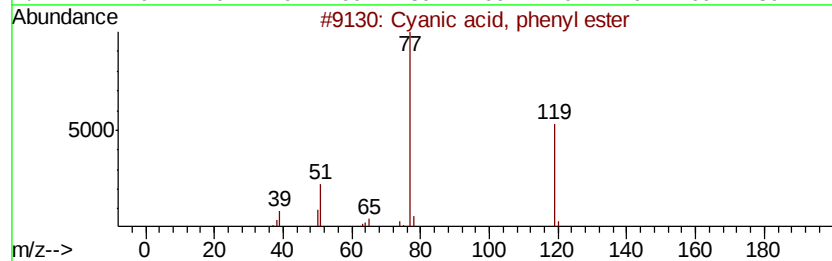
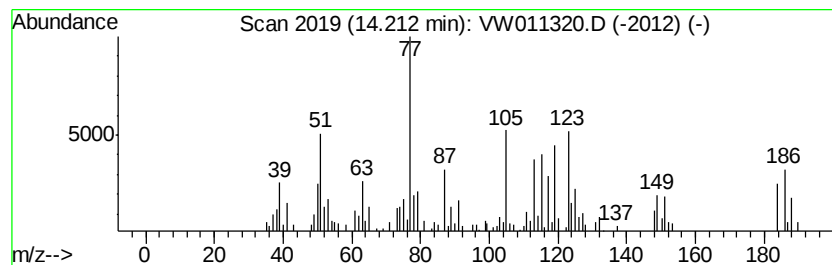
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 29 unknown-07 Concentration Rank 27

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.21 | 1.60 ug/L | 42206 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyanic acid, phenyl ester | 119 | C7H5NO  | 001122-85-6 | 25   |
| 2    |    |   | Benzene, nitro-           | 123 | C6H5NO2 | 000098-95-3 | 25   |
| 3    |    |   | Benzene, nitro-           | 123 | C6H5NO2 | 000098-95-3 | 22   |
| 4    |    |   | Benzene, nitro-           | 123 | C6H5NO2 | 000098-95-3 | 22   |
| 5    |    |   | 5-Nitro-m-xylene          | 151 | C8H9NO2 | 000099-12-7 | 12   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071719\  
 Data File : VW011320.D  
 Acq On : 17 Jul 2019 21:51  
 Operator : SY/VA  
 Sample : K3863-01  
 Misc : 5.95G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A52F6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.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 |
| unknown-01           | 1.99  | 4.4     | ug/L  | 143675   | 1                     | 8.84  | 815196 | 25.0 |
| Sulfur dioxide       | 2.14  | 3.6     | ug/L  | 118492   | 1                     | 8.84  | 815196 | 25.0 |
| (DEL) Alkane: Str... | 8.69  | 2.6     | ug/L  | 85479    | 1                     | 8.84  | 815196 | 25.0 |
| (DEL) Alkane: Str... | 9.96  | 1.7     | ug/L  | 55628    | 1                     | 8.84  | 815196 | 25.0 |
| (DEL) Alkane: Str... | 10.09 | 2.5     | ug/L  | 81534    | 1                     | 8.84  | 815196 | 25.0 |
| Hexanal              | 11.07 | 1.9     | ug/L  | 64625    | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 11.18 | 1.9     | ug/L  | 67157    | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 11.23 | 4.1     | ug/L  | 141587   | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 11.43 | 4.8     | ug/L  | 167959   | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 11.76 | 3.1     | ug/L  | 107876   | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 11.91 | 3.0     | ug/L  | 104625   | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 12.14 | 9.1     | ug/L  | 316389   | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 12.30 | 2.9     | ug/L  | 101157   | 2                     | 11.63 | 868120 | 25.0 |
| Pentalene, octahy... | 12.34 | 2.1     | ug/L  | 73995    | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 12.38 | 2.0     | ug/L  | 70224    | 2                     | 11.63 | 868120 | 25.0 |
| (DEL) Alkane: Cyc... | 12.78 | 4.7     | ug/L  | 124452   | 3                     | 13.56 | 658457 | 25.0 |
| Benzene, 1-chloro... | 12.89 | 7.1     | ug/L  | 187788   | 3                     | 13.56 | 658457 | 25.0 |
| unknown-02           | 12.94 | 3.4     | ug/L  | 88331    | 3                     | 13.56 | 658457 | 25.0 |
| Benzene, 1-chloro... | 12.99 | 3.0     | ug/L  | 79565    | 3                     | 13.56 | 658457 | 25.0 |
| unknown-03           | 13.24 | 24.5    | ug/L  | 645971   | 3                     | 13.56 | 658457 | 25.0 |
| (DEL) Alkane: Cyc... | 13.45 | 1.5     | ug/L  | 38815    | 3                     | 13.56 | 658457 | 25.0 |
| unknown-04           | 13.63 | 4.1     | ug/L  | 108790   | 3                     | 13.56 | 658457 | 25.0 |
| Benzene, 1,2-diet... | 13.72 | 4.5     | ug/L  | 119780   | 3                     | 13.56 | 658457 | 25.0 |
| unknown-05           | 13.76 | 1.9     | ug/L  | 49388    | 3                     | 13.56 | 658457 | 25.0 |
| unknown-06           | 14.08 | 2.5     | ug/L  | 64654    | 3                     | 13.56 | 658457 | 25.0 |
| unknown-07           | 14.21 | 1.6     | ug/L  | 42206    | 3                     | 13.56 | 658457 | 25.0 |