

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
 Data File : VW011897.D  
 Acq On : 13 Aug 2019 16:08  
 Operator : SY/VA  
 Sample : K4215-10  
 Misc : 5.11G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETOC1

## 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\SOM2WLM073019S.M  
 Title : VOC Analysis

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.965       | 4             | 10          | 25           | rVB3     | 31644          | 78922         | 6.51%           | 0.690%        |
| 2         | 2.154       | 36            | 41          | 49           | rBV3     | 21411          | 45710         | 3.77%           | 0.400%        |
| 3         | 2.349       | 64            | 73          | 84           | rBV2     | 93930          | 180538        | 14.89%          | 1.578%        |
| 4         | 2.453       | 84            | 90          | 93           | rBV2     | 5046           | 9782          | 0.81%           | 0.086%        |
| 5         | 2.489       | 93            | 96          | 105          | rVV      | 8042           | 17138         | 1.41%           | 0.150%        |
| 6         | 2.568       | 107           | 109         | 115          | rVB2     | 3320           | 5764          | 0.48%           | 0.050%        |
| 7         | 2.885       | 154           | 161         | 174          | rVV      | 53344          | 132089        | 10.90%          | 1.155%        |
| 8         | 3.026       | 178           | 184         | 192          | rBV2     | 8816           | 20447         | 1.69%           | 0.179%        |
| 9         | 3.391       | 236           | 244         | 254          | rVB5     | 7101           | 21857         | 1.80%           | 0.191%        |
| 10        | 3.580       | 268           | 275         | 283          | rBV5     | 3473           | 9465          | 0.78%           | 0.083%        |
| 11        | 3.751       | 297           | 303         | 310          | rVB9     | 1630           | 4142          | 0.34%           | 0.036%        |
| 12        | 3.855       | 312           | 320         | 328          | rBV5     | 5758           | 15655         | 1.29%           | 0.137%        |
| 13        | 4.013       | 333           | 346         | 359          | rBV      | 122269         | 394994        | 32.58%          | 3.453%        |
| 14        | 4.129       | 360           | 365         | 380          | rVB      | 12942          | 38520         | 3.18%           | 0.337%        |
| 15        | 4.385       | 397           | 407         | 416          | rBV2     | 8943           | 27488         | 2.27%           | 0.240%        |
| 16        | 4.763       | 462           | 469         | 470          | rBV3     | 2498           | 4170          | 0.34%           | 0.036%        |
| 17        | 4.916       | 481           | 494         | 507          | rBV3     | 18731          | 81253         | 6.70%           | 0.710%        |
| 18        | 5.428       | 568           | 578         | 580          | rBV2     | 4875           | 10338         | 0.85%           | 0.090%        |
| 19        | 5.769       | 622           | 634         | 648          | rBV7     | 4591           | 19931         | 1.64%           | 0.174%        |
| 20        | 5.946       | 652           | 663         | 671          | rBV3     | 8878           | 26351         | 2.17%           | 0.230%        |
| 21        | 6.110       | 685           | 690         | 699          | rVB7     | 1581           | 4197          | 0.35%           | 0.037%        |
| 22        | 6.903       | 809           | 820         | 826          | rBV7     | 5017           | 15951         | 1.32%           | 0.139%        |
| 23        | 6.982       | 830           | 833         | 840          | rVV6     | 2367           | 5663          | 0.47%           | 0.050%        |
| 24        | 7.080       | 840           | 849         | 855          | rVV      | 51865          | 146050        | 12.05%          | 1.277%        |
| 25        | 7.147       | 856           | 860         | 876          | rVB4     | 23898          | 78396         | 6.47%           | 0.685%        |
| 26        | 7.531       | 918           | 923         | 932          | rVV7     | 2416           | 6558          | 0.54%           | 0.057%        |
| 27        | 7.647       | 932           | 942         | 957          | rVV      | 202889         | 502796        | 41.47%          | 4.396%        |
| 28        | 7.854       | 966           | 976         | 982          | rBV4     | 3437           | 7907          | 0.65%           | 0.069%        |
| 29        | 7.952       | 982           | 992         | 997          | rBV6     | 7867           | 22757         | 1.88%           | 0.199%        |
| 30        | 8.037       | 998           | 1006        | 1016         | rVB5     | 6649           | 21043         | 1.74%           | 0.184%        |
| 31        | 8.159       | 1020          | 1026        | 1033         | rVB5     | 4374           | 10188         | 0.84%           | 0.089%        |
| 32        | 8.275       | 1034          | 1045        | 1062         | rBV2     | 404708         | 1212314       | 100.00%         | 10.599%       |
| 33        | 8.415       | 1062          | 1068        | 1076         | rVV6     | 3229           | 9272          | 0.76%           | 0.081%        |
| 34        | 8.519       | 1079          | 1085        | 1088         | rVV6     | 2140           | 4798          | 0.40%           | 0.042%        |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
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## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 8.567  | 1088 | 1093 | 1100 | rVB8 | 3265   | 9292   | 0.77%  | 0.081% |
| 36 | 8.695  | 1105 | 1114 | 1123 | rVB8 | 3207   | 10454  | 0.86%  | 0.091% |
| 37 | 8.842  | 1129 | 1138 | 1148 | rBV  | 415973 | 820021 | 67.64% | 7.169% |
| 38 | 8.994  | 1158 | 1163 | 1166 | rVB6 | 2909   | 5109   | 0.42%  | 0.045% |
| 39 | 9.067  | 1169 | 1175 | 1176 | rBV4 | 3133   | 4308   | 0.36%  | 0.038% |
| 40 | 9.275  | 1200 | 1209 | 1217 | rBV  | 297283 | 606688 | 50.04% | 5.304% |
| 41 | 9.415  | 1226 | 1232 | 1237 | rVB5 | 4598   | 10609  | 0.88%  | 0.093% |
| 42 | 9.525  | 1244 | 1250 | 1254 | rVB6 | 2507   | 5401   | 0.45%  | 0.047% |
| 43 | 9.610  | 1256 | 1264 | 1268 | rBV8 | 2286   | 6225   | 0.51%  | 0.054% |
| 44 | 9.689  | 1275 | 1277 | 1281 | rVV4 | 3484   | 4436   | 0.37%  | 0.039% |
| 45 | 9.750  | 1282 | 1287 | 1293 | rVV6 | 5714   | 9552   | 0.79%  | 0.084% |
| 46 | 9.951  | 1316 | 1320 | 1323 | rBV5 | 3518   | 5573   | 0.46%  | 0.049% |
| 47 | 10.037 | 1327 | 1334 | 1345 | rVV  | 130452 | 241176 | 19.89% | 2.109% |
| 48 | 10.323 | 1373 | 1381 | 1388 | rBV  | 504005 | 891569 | 73.54% | 7.795% |
| 49 | 10.390 | 1388 | 1392 | 1398 | rVB  | 7451   | 15341  | 1.27%  | 0.134% |
| 50 | 10.500 | 1404 | 1410 | 1416 | rVB9 | 5636   | 13770  | 1.14%  | 0.120% |
| 51 | 10.579 | 1416 | 1423 | 1432 | rBV  | 81041  | 147917 | 12.20% | 1.293% |
| 52 | 10.701 | 1439 | 1443 | 1449 | rVV  | 12055  | 19736  | 1.63%  | 0.173% |
| 53 | 10.927 | 1473 | 1480 | 1487 | rBV  | 179145 | 312026 | 25.74% | 2.728% |
| 54 | 11.067 | 1497 | 1503 | 1510 | rVV2 | 39177  | 71027  | 5.86%  | 0.621% |
| 55 | 11.177 | 1518 | 1521 | 1525 | rVB6 | 4449   | 5471   | 0.45%  | 0.048% |
| 56 | 11.232 | 1526 | 1530 | 1534 | rVB3 | 5648   | 9300   | 0.77%  | 0.081% |
| 57 | 11.628 | 1589 | 1595 | 1605 | rVB  | 476707 | 814620 | 67.20% | 7.122% |
| 58 | 11.731 | 1607 | 1612 | 1616 | rBV  | 8525   | 15405  | 1.27%  | 0.135% |
| 59 | 11.841 | 1622 | 1630 | 1634 | rBV2 | 11621  | 26041  | 2.15%  | 0.228% |
| 60 | 12.140 | 1673 | 1679 | 1681 | rBV4 | 12677  | 24706  | 2.04%  | 0.216% |
| 61 | 12.292 | 1702 | 1704 | 1707 | rBV3 | 3680   | 5199   | 0.43%  | 0.045% |
| 62 | 12.341 | 1707 | 1712 | 1722 | rVV6 | 24290  | 72390  | 5.97%  | 0.633% |
| 63 | 12.463 | 1729 | 1732 | 1738 | rVV6 | 8433   | 15589  | 1.29%  | 0.136% |
| 64 | 12.609 | 1752 | 1756 | 1761 | rBV2 | 21053  | 38083  | 3.14%  | 0.333% |
| 65 | 12.695 | 1764 | 1770 | 1777 | rVB  | 208117 | 354509 | 29.24% | 3.099% |
| 66 | 12.780 | 1780 | 1784 | 1791 | rVB4 | 22848  | 42952  | 3.54%  | 0.376% |
| 67 | 12.871 | 1792 | 1799 | 1803 | rBV8 | 14437  | 36993  | 3.05%  | 0.323% |
| 68 | 12.932 | 1804 | 1809 | 1816 | rVB5 | 27419  | 60616  | 5.00%  | 0.530% |
| 69 | 13.079 | 1830 | 1833 | 1837 | rBV6 | 9267   | 16685  | 1.38%  | 0.146% |
| 70 | 13.164 | 1843 | 1847 | 1858 | rBV4 | 26727  | 53063  | 4.38%  | 0.464% |
| 71 | 13.249 | 1858 | 1861 | 1865 | rBV  | 13686  | 22165  | 1.83%  | 0.194% |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETOC1

## 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\SOM2WLM073019S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 13.377 | 1880 | 1882 | 1887 | rVB2 | 10232  | 13174  | 1.09%  | 0.115% |
| 73  | 13.445 | 1889 | 1893 | 1897 | rVV5 | 20894  | 41685  | 3.44%  | 0.364% |
| 74  | 13.487 | 1897 | 1900 | 1906 | rVV3 | 27224  | 55814  | 4.60%  | 0.488% |
| 75  | 13.560 | 1906 | 1912 | 1919 | rVB  | 305834 | 516409 | 42.60% | 4.515% |
| 76  | 13.627 | 1920 | 1923 | 1925 | rBV3 | 7398   | 8327   | 0.69%  | 0.073% |
| 77  | 13.792 | 1948 | 1950 | 1953 | rVB3 | 6772   | 6355   | 0.52%  | 0.056% |
| 78  | 13.853 | 1953 | 1960 | 1969 | rBV  | 289033 | 609716 | 50.29% | 5.331% |
| 79  | 14.018 | 1983 | 1987 | 1988 | rBV2 | 17156  | 22864  | 1.89%  | 0.200% |
| 80  | 14.207 | 2011 | 2018 | 2023 | rBV4 | 34161  | 76190  | 6.28%  | 0.666% |
| 81  | 14.261 | 2023 | 2027 | 2033 | rVV6 | 31021  | 61107  | 5.04%  | 0.534% |
| 82  | 14.341 | 2033 | 2040 | 2044 | rVV4 | 39707  | 106717 | 8.80%  | 0.933% |
| 83  | 14.389 | 2044 | 2048 | 2051 | rVV3 | 74916  | 136992 | 11.30% | 1.198% |
| 84  | 14.420 | 2051 | 2053 | 2056 | rVV4 | 42360  | 62185  | 5.13%  | 0.544% |
| 85  | 14.457 | 2056 | 2059 | 2063 | rVB  | 47926  | 66965  | 5.52%  | 0.585% |
| 86  | 14.499 | 2063 | 2066 | 2069 | rBV2 | 32736  | 44572  | 3.68%  | 0.390% |
| 87  | 14.548 | 2069 | 2074 | 2081 | rVB5 | 47158  | 109741 | 9.05%  | 0.959% |
| 88  | 14.700 | 2094 | 2099 | 2101 | rBV4 | 14383  | 26432  | 2.18%  | 0.231% |
| 89  | 14.737 | 2101 | 2105 | 2109 | rVV3 | 35362  | 52813  | 4.36%  | 0.462% |
| 90  | 14.792 | 2110 | 2114 | 2119 | rVV3 | 83262  | 172724 | 14.25% | 1.510% |
| 91  | 14.841 | 2119 | 2122 | 2131 | rVB2 | 83368  | 161911 | 13.36% | 1.416% |
| 92  | 15.066 | 2153 | 2159 | 2166 | rBV5 | 87167  | 223507 | 18.44% | 1.954% |
| 93  | 15.176 | 2172 | 2177 | 2186 | rVB5 | 129914 | 291573 | 24.05% | 2.549% |
| 94  | 15.328 | 2197 | 2202 | 2211 | rVB5 | 69405  | 123254 | 10.17% | 1.078% |
| 95  | 15.414 | 2211 | 2216 | 2218 | rBV6 | 19676  | 37743  | 3.11%  | 0.330% |
| 96  | 15.633 | 2248 | 2252 | 2253 | rBV3 | 20246  | 24652  | 2.03%  | 0.216% |
| 97  | 15.737 | 2265 | 2269 | 2274 | rVB5 | 31190  | 50534  | 4.17%  | 0.442% |
| 98  | 16.170 | 2334 | 2340 | 2345 | rBV3 | 39284  | 85672  | 7.07%  | 0.749% |
| 99  | 16.292 | 2355 | 2360 | 2367 | rVB4 | 36424  | 74635  | 6.16%  | 0.653% |
| 100 | 16.645 | 2410 | 2418 | 2428 | rVB7 | 44708  | 157301 | 12.98% | 1.375% |

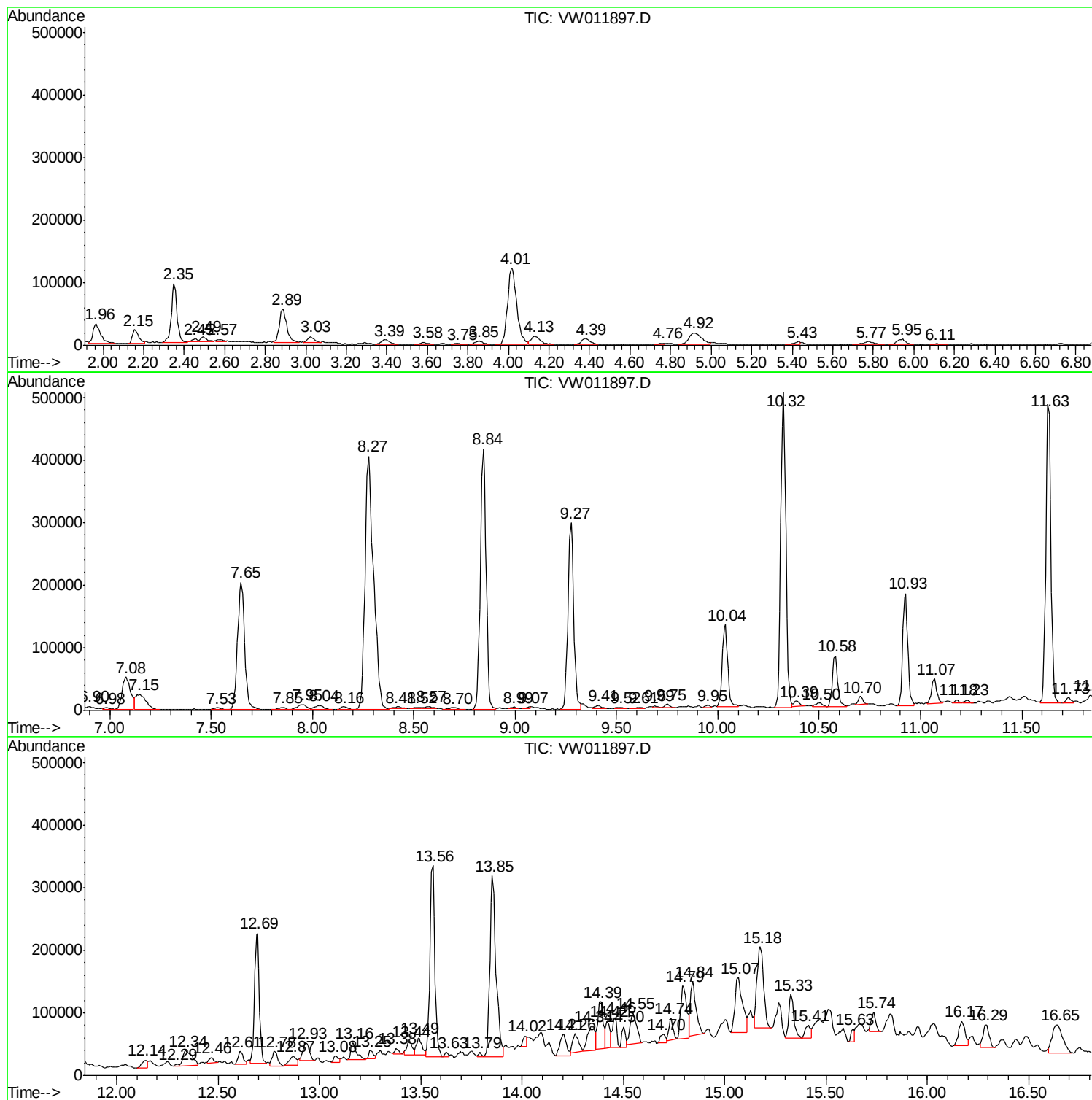
Sum of corrected areas: 11438025

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
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Instrument :  
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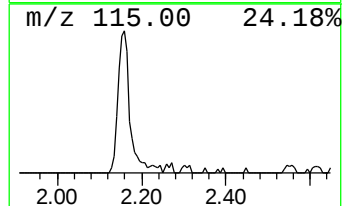
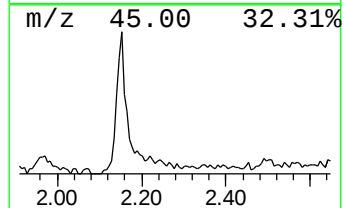
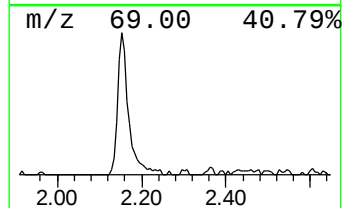
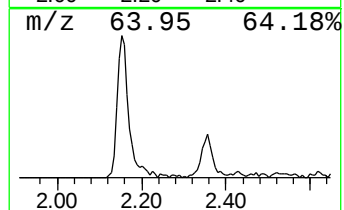
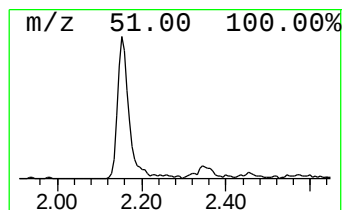
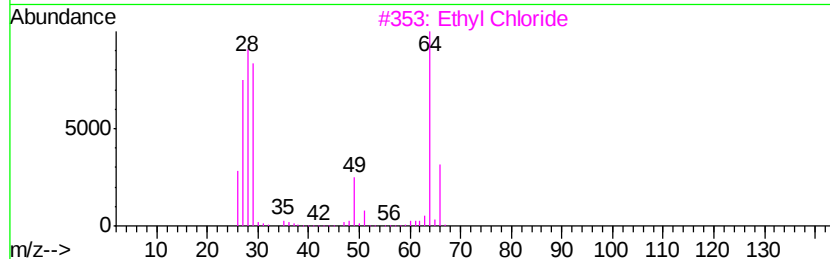
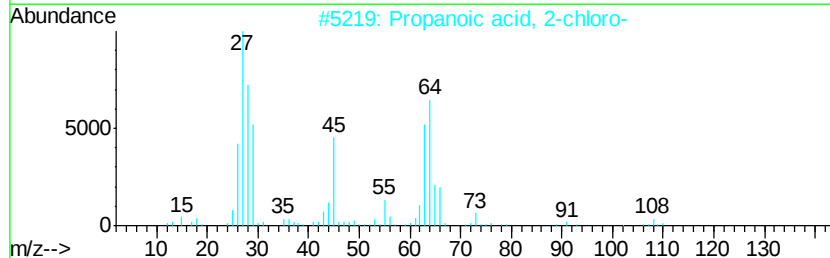
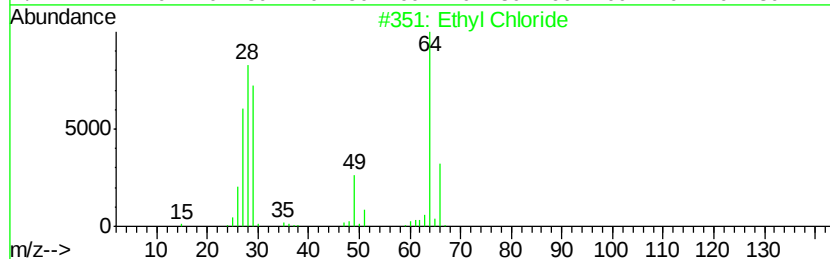
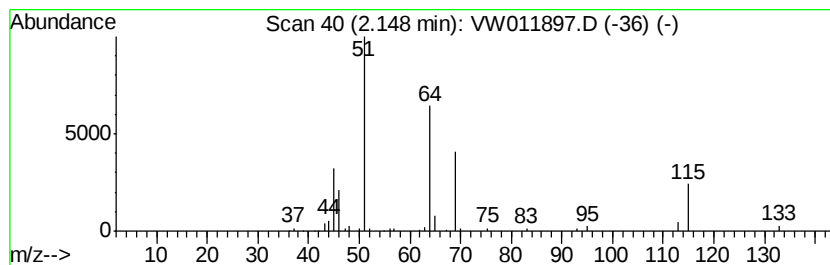
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

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

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Peak Number 2 unknown-01 Concentration Rank 31

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.15 | 1.39 ug/L | 45710 | 1,4-Difluorobenzene | 8.84 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethyl Chloride            | 64  | C2H5Cl   | 000075-00-3 | 9    |
| 2    |    |   | Propanoic acid, 2-chloro- | 108 | C3H5ClO2 | 000598-78-7 | 9    |
| 3    |    |   | Ethyl Chloride            | 64  | C2H5Cl   | 000075-00-3 | 8    |
| 4    |    |   | Ethene, 1,2-difluoro-     | 64  | C2H2F2   | 001691-13-0 | 5    |
| 5    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 5    |



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MSVOA\_W  
ClientSampled :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

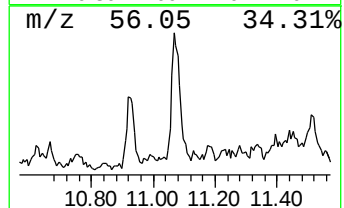
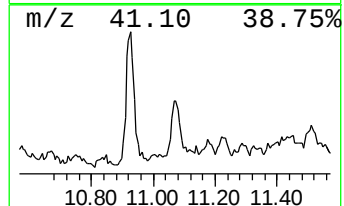
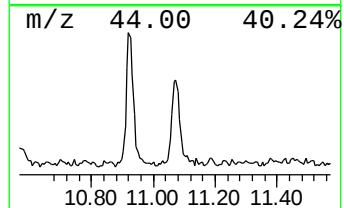
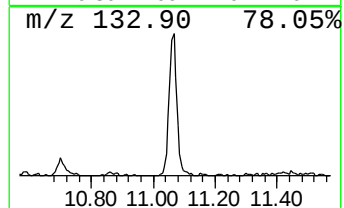
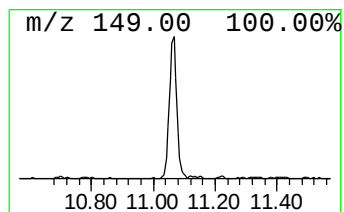
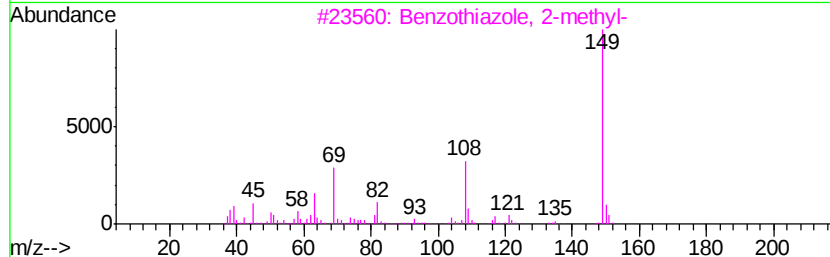
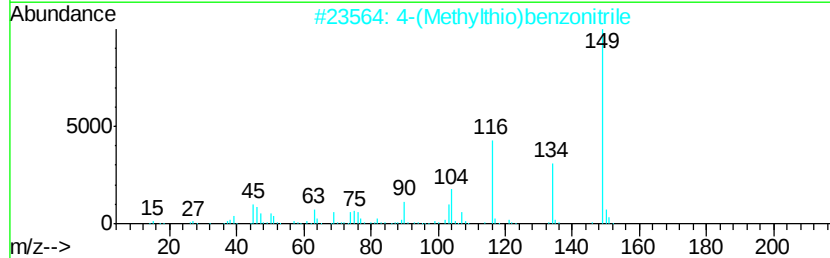
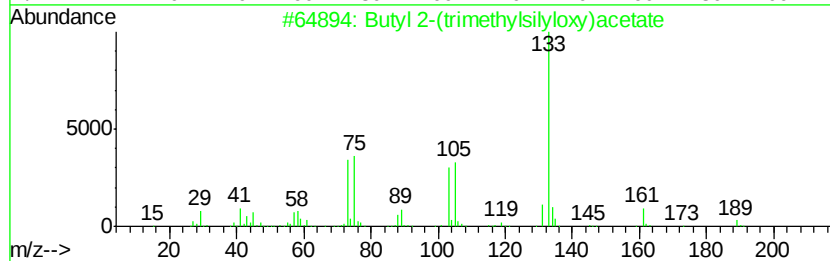
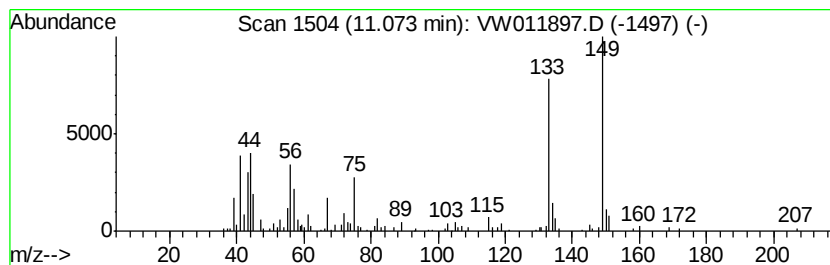
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown-02 Concentration Rank 24

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 11.07 | 2.18 ug/L | 71027 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Butyl 2-(trimethylsilyloxy)acetate | 204 | C9H20O3Si | 1000366-86-7 | 35   |
| 2    |    | 4-(Methylthio)benzonitrile         | 149 | C8H7NS    | 021382-98-9  | 27   |
| 3    |    | Benzo[thiazole], 2-methyl-         | 149 | C8H7NS    | 000120-75-2  | 22   |
| 4    |    | 1,2,4-Triazole, 3,5-dithioxo-      | 133 | C2H3N3S2  | 005650-03-3  | 22   |
| 5    |    | 6-Aminoindazole                    | 133 | C7H7N3    | 006967-12-0  | 22   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

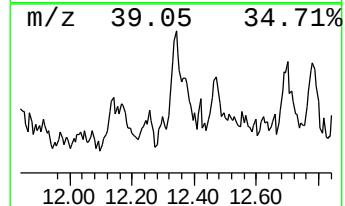
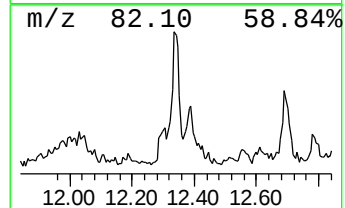
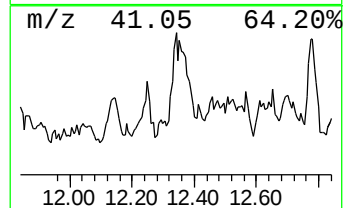
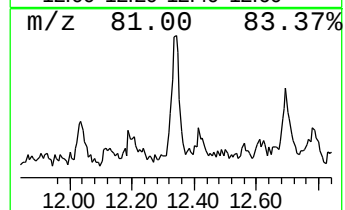
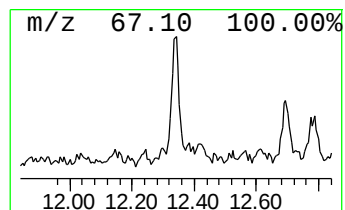
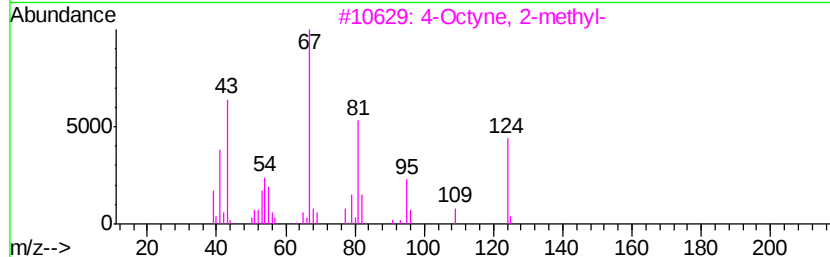
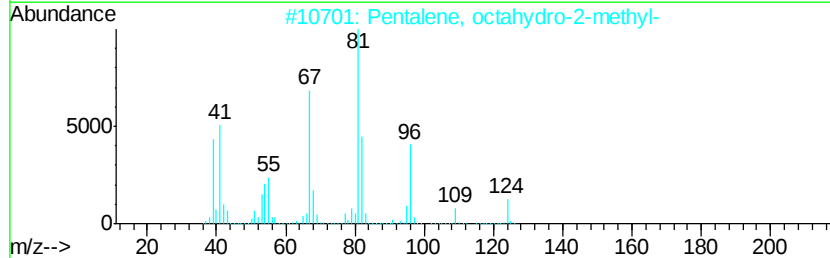
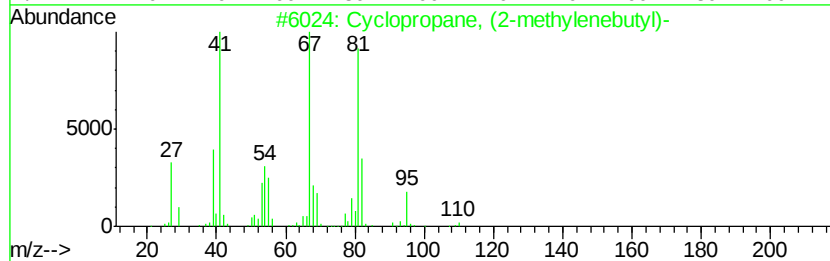
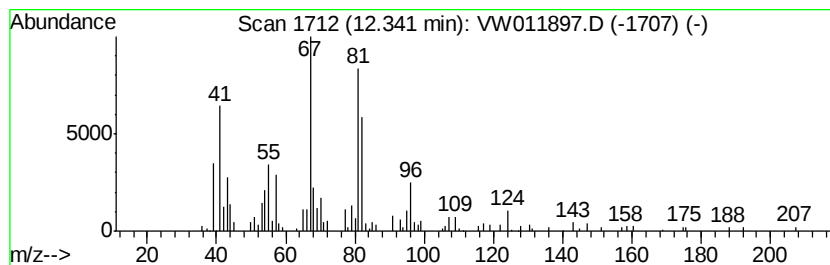
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Cyclopropane, (2-methyleneb... Concentration Rank 23

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 12.34 | 2.22 ug/L | 72390 | Chlorobenzene-d5 | 11.63 |

| Hit# of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------------|-----|---------|-------------|------|
| 1       |   | Cyclopropane, (2-methylenebutyl)- | 110 | C8H14   | 074685-56-6 | 68   |
| 2       |   | Pentalene, octahydro-2-methyl-    | 124 | C9H16   | 003868-64-2 | 62   |
| 3       |   | 4-Octyne, 2-methyl-               | 124 | C9H16   | 010306-94-2 | 58   |
| 4       |   | Cyclohexene, 3-methyl-            | 96  | C7H12   | 000591-48-0 | 46   |
| 5       |   | Bicyclo[2.2.1]heptane, 2-ethyl-   | 124 | C9H16   | 002146-41-0 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

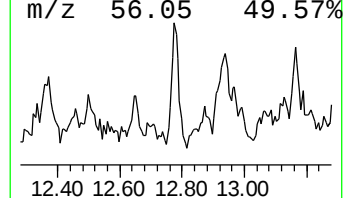
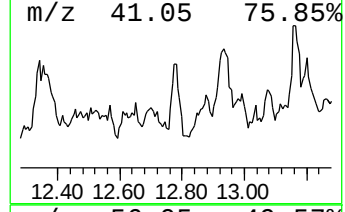
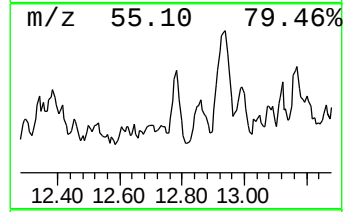
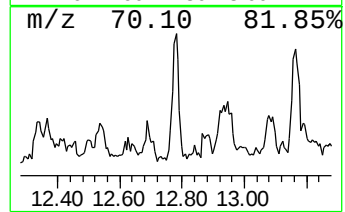
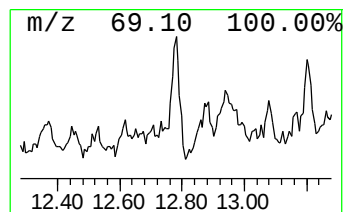
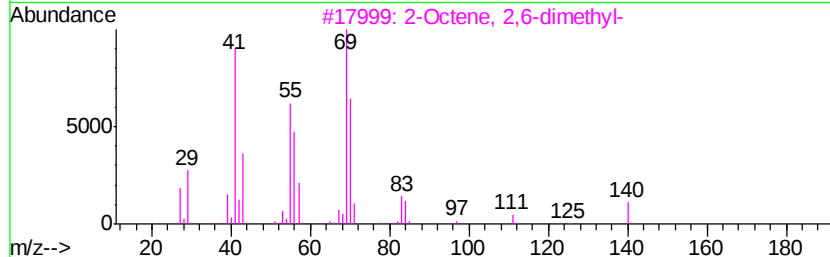
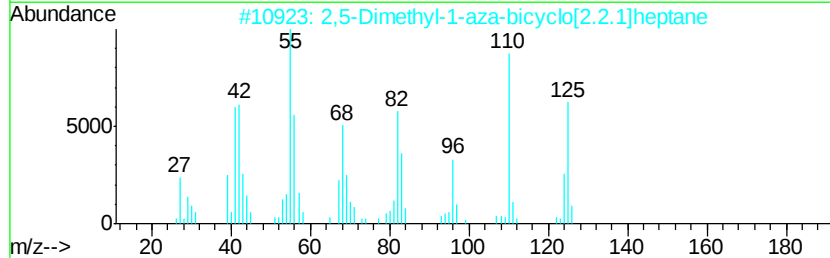
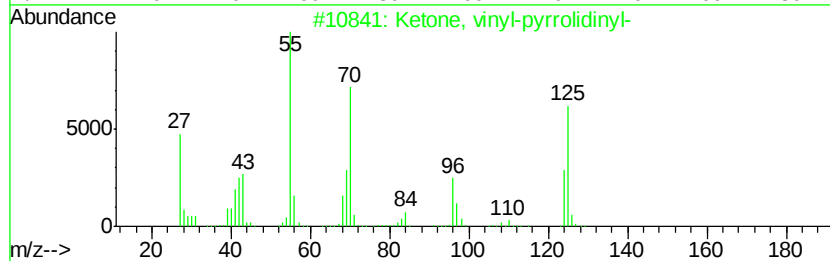
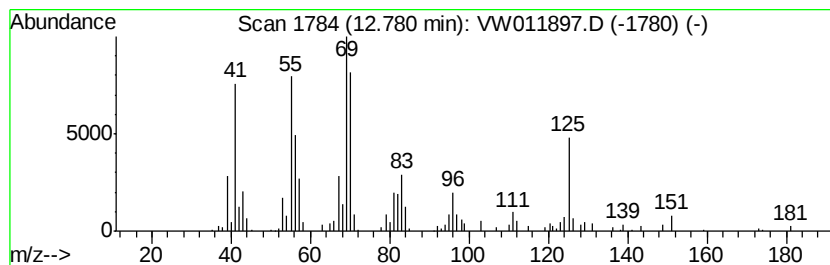
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 unknown-03 Concentration Rank 26

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.78 | 2.08 ug/L | 42952 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                             | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Ketone, vinyl-pyrrolidinyl-              | 125 | C7H11NO | 042104-70-1  | 41   |
| 2    |    | 2,5-Dimethyl-1-aza-bicyclo[2.2.1]heptane | 125 | C8H15N  | 1000194-05-9 | 38   |
| 3    |    | 2-Octene, 2,6-dimethyl-                  | 140 | C10H20  | 004057-42-5  | 38   |
| 4    |    | trans-2-Methyl-3-octene                  | 126 | C9H18   | 052937-36-7  | 35   |
| 5    |    | 1-Hexene, 3,3-dimethyl-                  | 112 | C8H16   | 003404-77-1  | 30   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

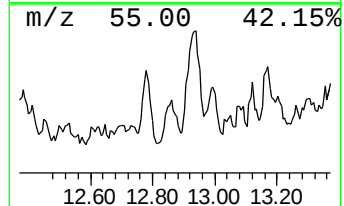
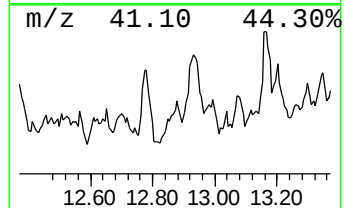
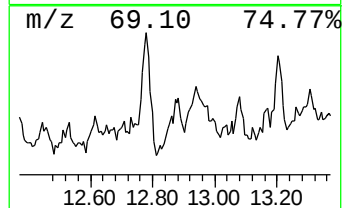
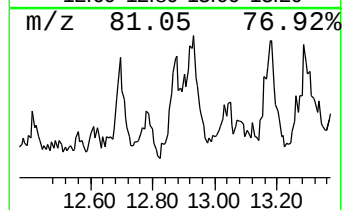
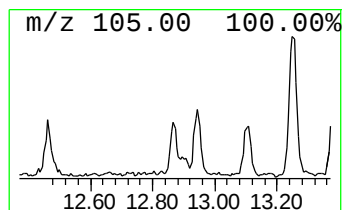
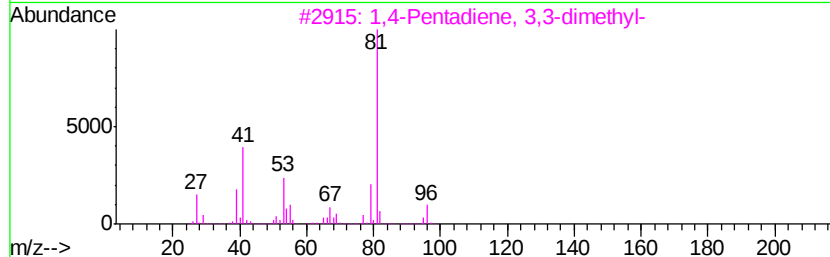
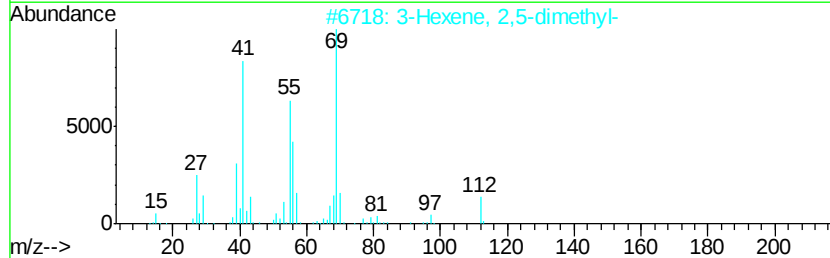
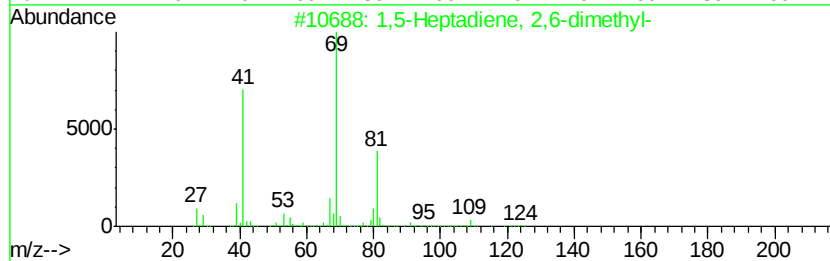
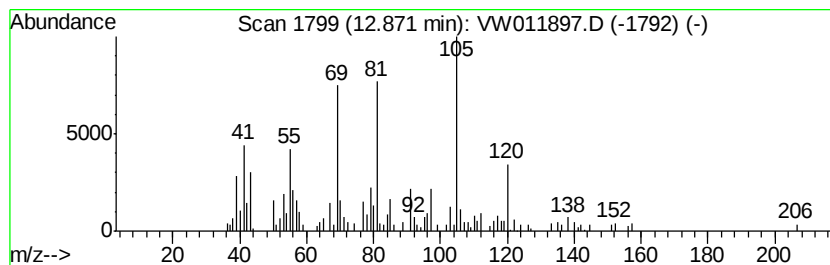
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 unknown-04 Concentration Rank 30

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.87 | 1.79 ug/L | 36993 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1,5-Heptadiene, 2,6-dimethyl- | 124 | C9H16   | 006709-39-3 | 47   |
| 2    |    | 3-Hexene, 2,5-dimethyl-       | 112 | C8H16   | 015910-22-2 | 25   |
| 3    |    | 1,4-Pentadiene, 3,3-dimethyl- | 96  | C7H12   | 001112-35-2 | 22   |
| 4    |    | 2,3-Dimethyl-1,4-pentadiene   | 96  | C7H12   | 000758-86-1 | 20   |
| 5    |    | Cyclohexene,3-(2-propenyl)-   | 122 | C9H14   | 015232-95-8 | 18   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

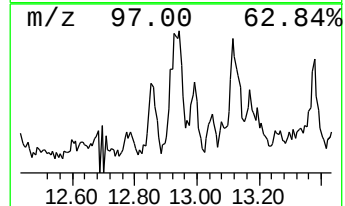
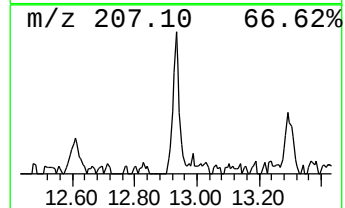
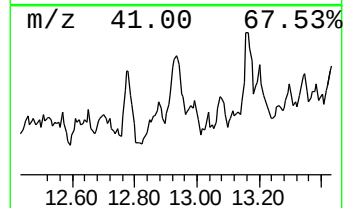
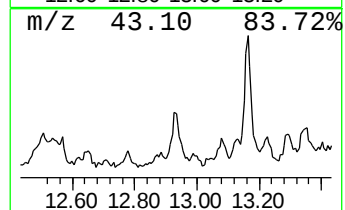
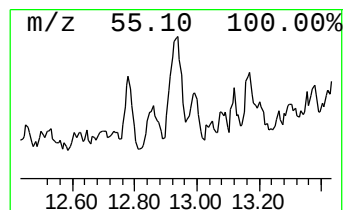
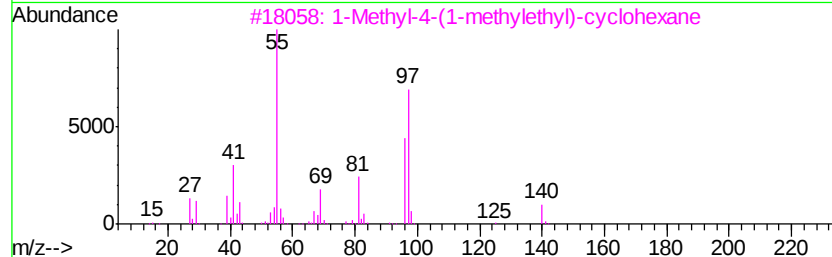
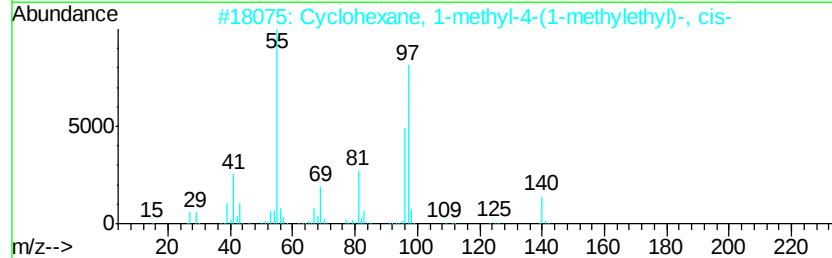
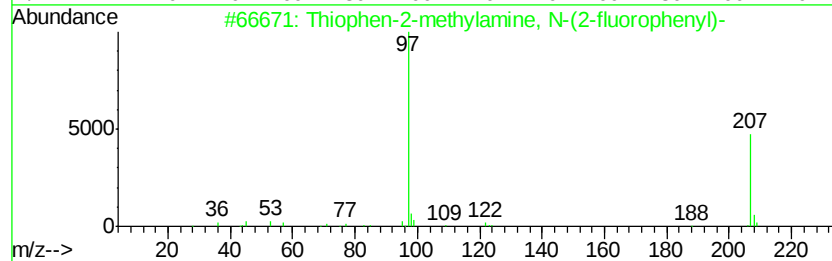
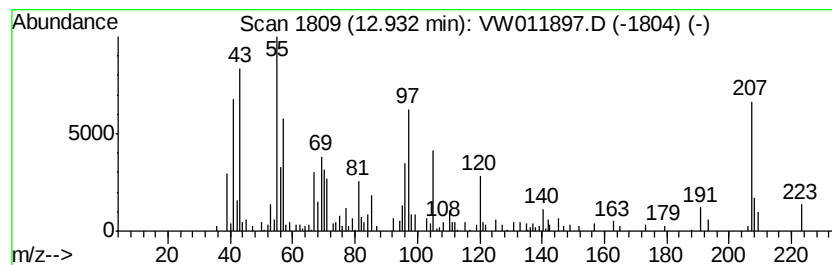
Instrument :  
MSVOA\_W  
ClientSampled :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 9 unknown-05 Concentration Rank 17

| R.T.      | EstConc                             | Area  | Relative to ISTD       | R.T.         |      |
|-----------|-------------------------------------|-------|------------------------|--------------|------|
| 12.93     | 2.93 ug/L                           | 60616 | 1,4-Dichlorobenzene-d4 | 13.56        |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm                | CAS#         | Qual |
| 1         | Thiophen-2-methylamine, N-(2-flu... | 207   | C11H10FNS              | 1000310-35-2 | 43   |
| 2         | Cyclohexane, 1-methyl-4-(1-methy... | 140   | C10H20                 | 006069-98-3  | 30   |
| 3         | 1-Methyl-4-(1-methylethyl)-cvclo... | 140   | C10H20                 | 000099-82-1  | 25   |
| 4         | Cyclohexane, 1-methyl-4-(1-methy... | 140   | C10H20                 | 001678-82-6  | 25   |
| 5         | Cyclohexane, 1-methyl-4-(1-methy... | 140   | C10H20                 | 001678-82-6  | 25   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

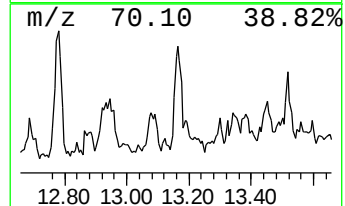
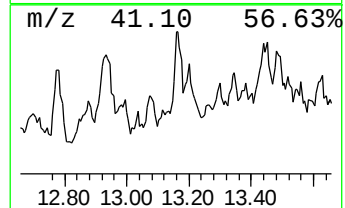
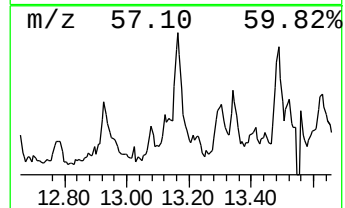
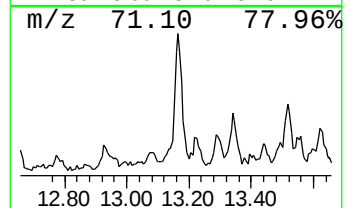
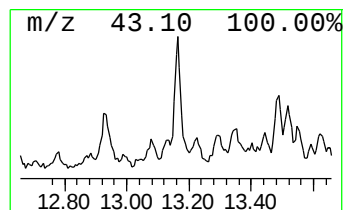
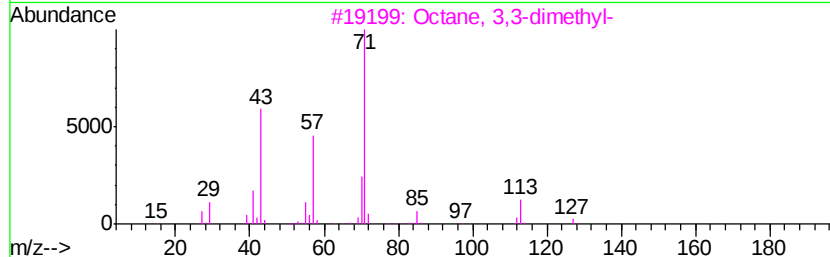
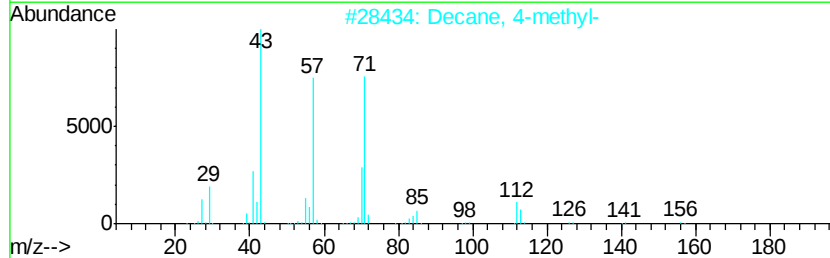
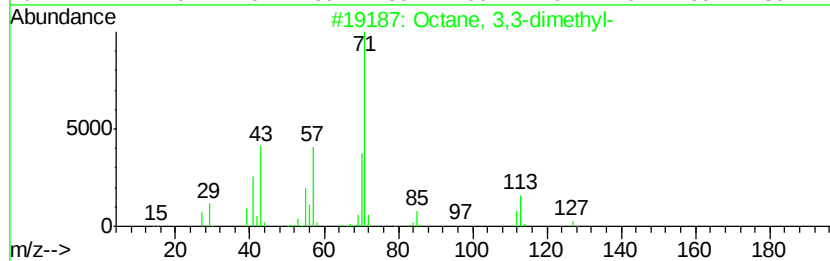
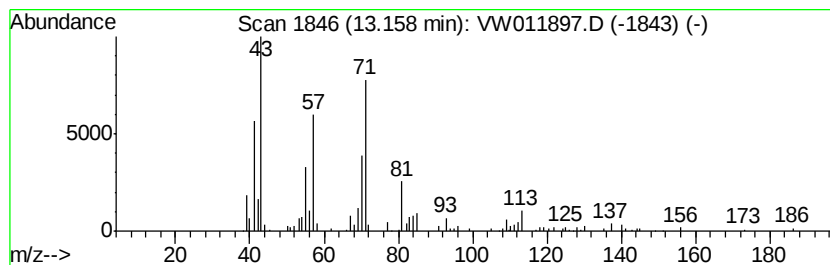
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 19

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.16 | 2.57 ug/L | 53063 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Octane, 3,3-dimethyl-     | 142 | C10H22  | 004110-44-5 | 72   |
| 2    |    | Decane, 4-methyl-         | 156 | C11H24  | 002847-72-5 | 64   |
| 3    |    | Octane, 3,3-dimethyl-     | 142 | C10H22  | 004110-44-5 | 64   |
| 4    |    | Heptane, 2,5,5-trimethyl- | 142 | C10H22  | 001189-99-7 | 64   |
| 5    |    | Octane, 3,6-dimethyl-     | 142 | C10H22  | 015869-94-0 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

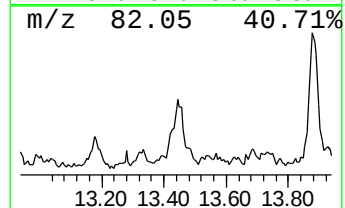
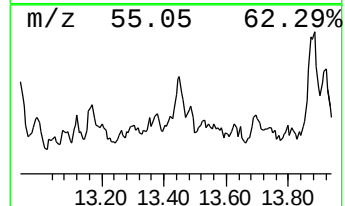
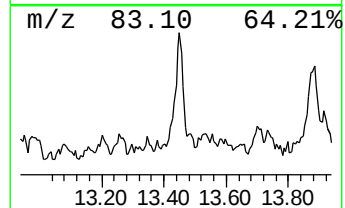
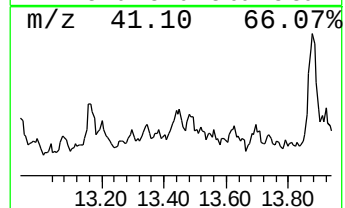
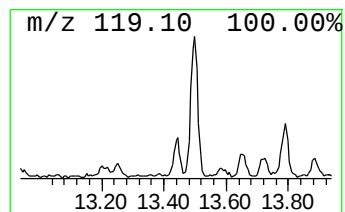
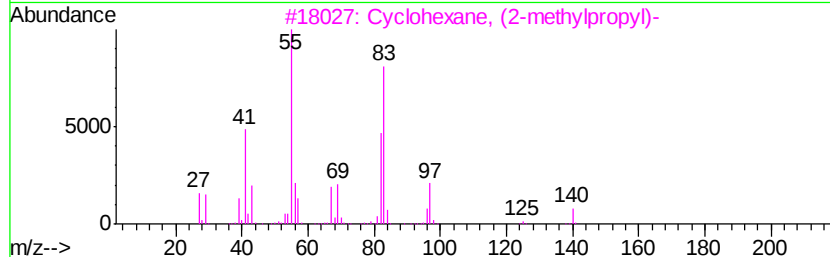
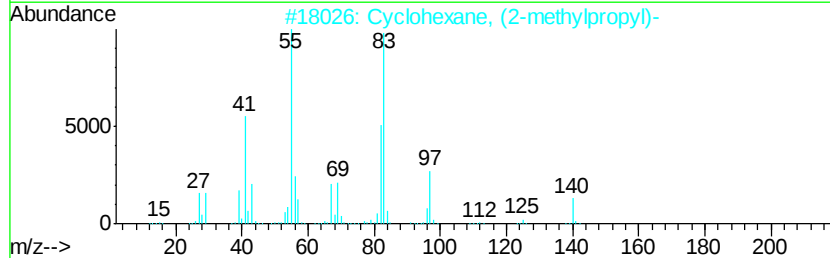
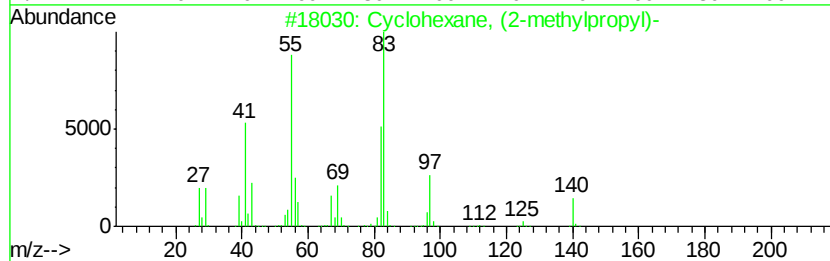
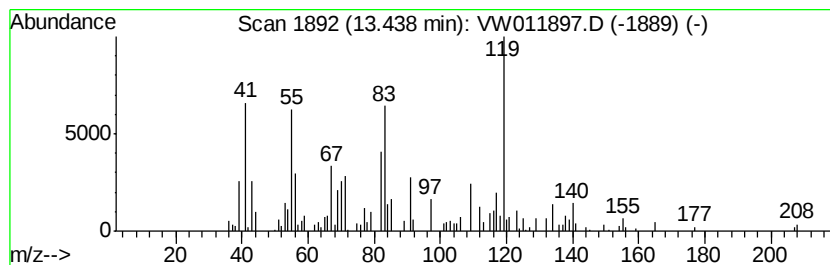
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 (DEL) Alkane: Cyclic13.44 Concentration Rank 27

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.44 | 2.02 ug/L | 41685 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 46   |
| 2    |    |   | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 46   |
| 3    |    |   | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 46   |
| 4    |    |   | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 38   |
| 5    |    |   | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 35   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

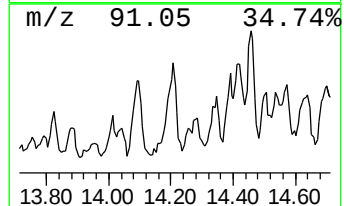
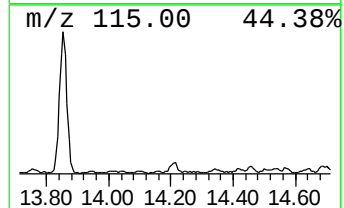
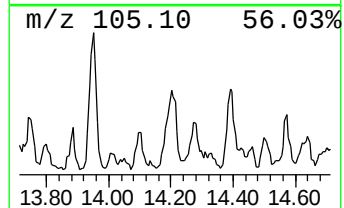
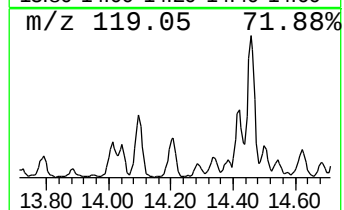
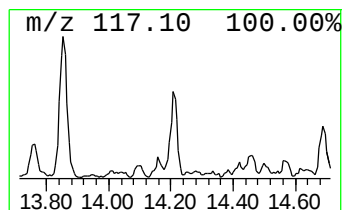
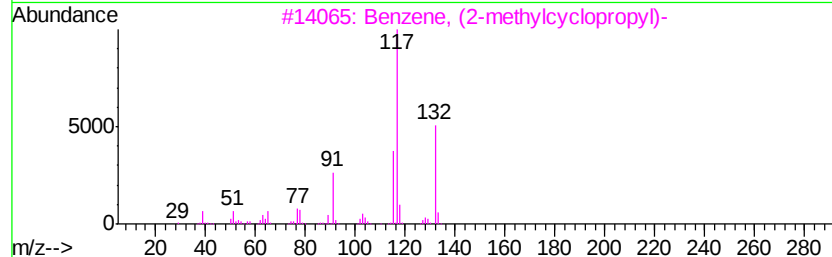
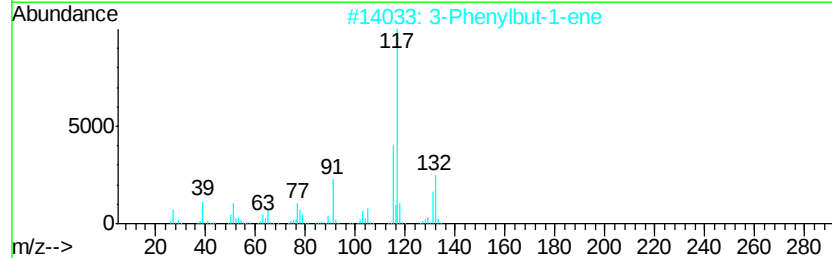
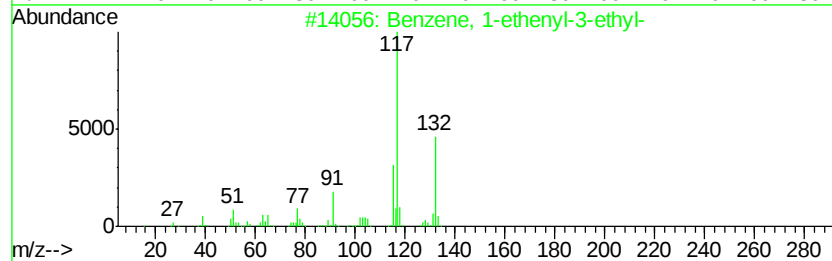
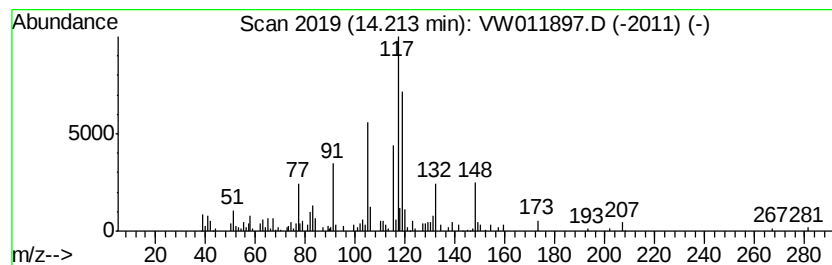
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 12

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.21 | 3.69 ug/L | 76190 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4  | 55   |
| 2    |    |   | 3-Phenylbut-1-ene               | 132 | C10H12  | 000934-10-1  | 50   |
| 3    |    |   | Benzene, (2-methylcyclopropyl)- | 132 | C10H12  | 1000327-39-0 | 50   |
| 4    |    |   | 1-Phenyl-1-butene               | 132 | C10H12  | 000824-90-8  | 50   |
| 5    |    |   | Benzene, 2-butenyl-             | 132 | C10H12  | 001560-06-1  | 45   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

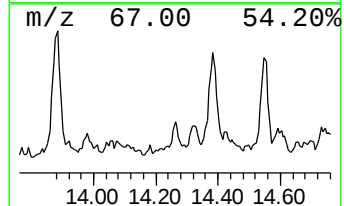
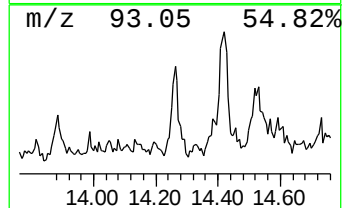
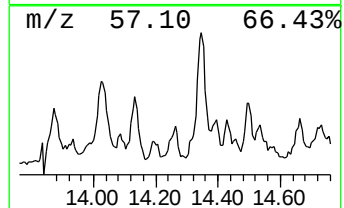
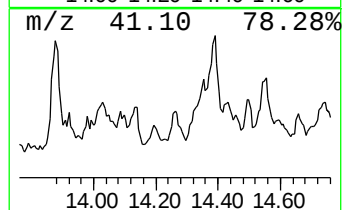
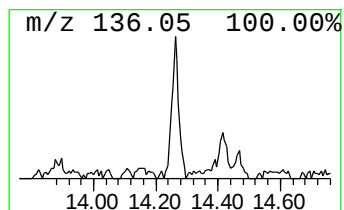
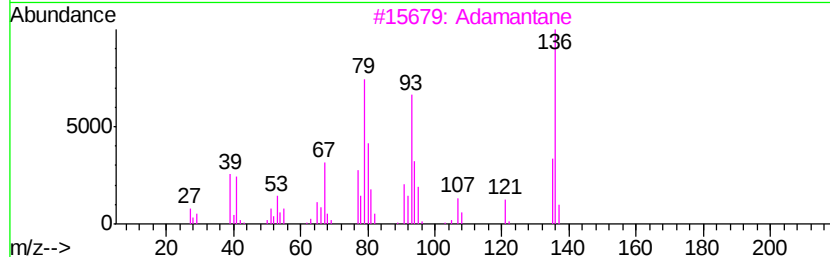
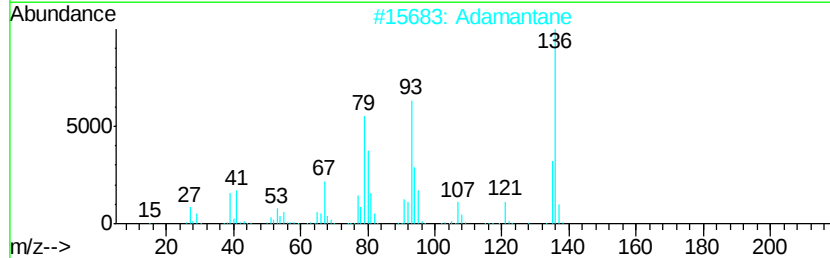
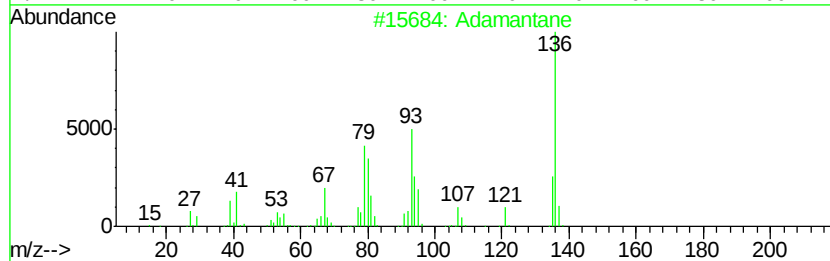
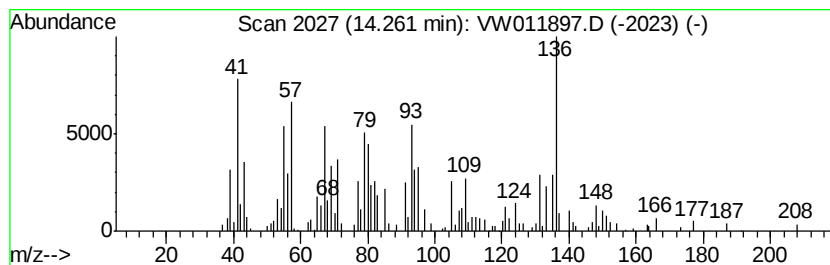
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Adamantane Concentration Rank 16

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.26 | 2.96 ug/L | 61107 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Adamantane                        | 136 | C10H16  | 000281-23-2 | 92   |
| 2    |    | Adamantane                        | 136 | C10H16  | 000281-23-2 | 70   |
| 3    |    | Adamantane                        | 136 | C10H16  | 000281-23-2 | 58   |
| 4    |    | 2,5-Methano-1H-indene, octahydro- | 136 | C10H16  | 019026-94-9 | 53   |
| 5    |    | Tricyclo[4.4.0.0(2,8)]decane      | 136 | C10H16  | 049700-59-6 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

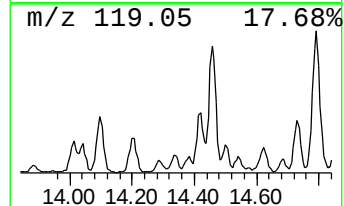
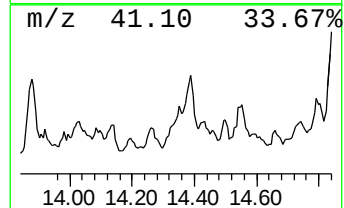
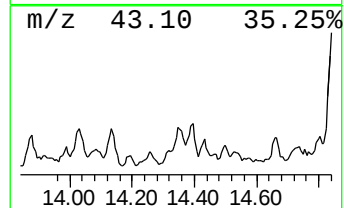
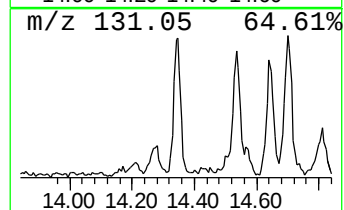
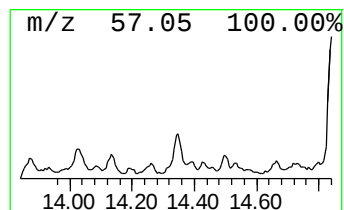
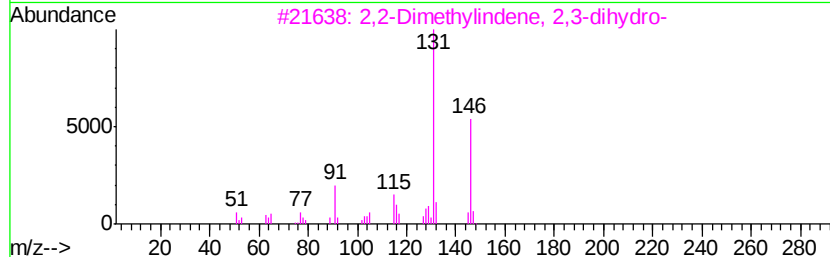
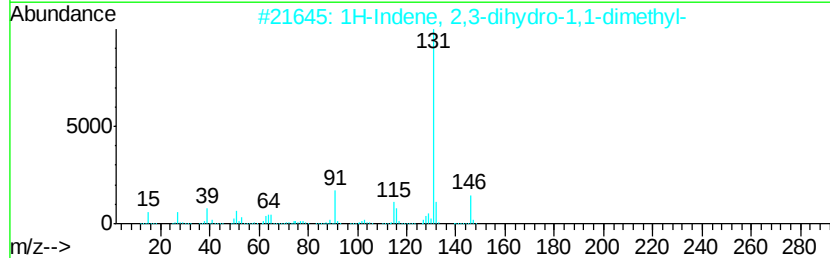
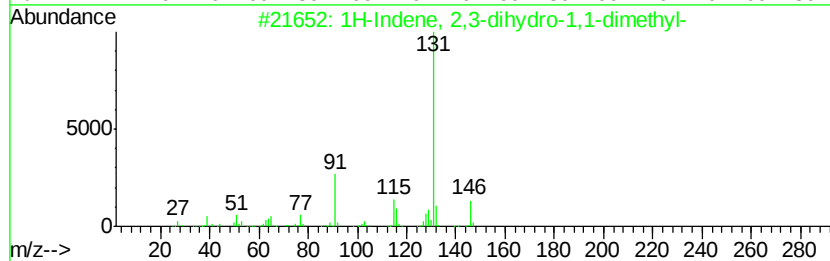
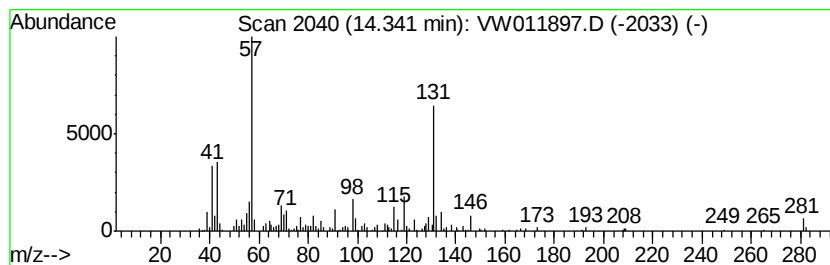
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 unknown-06 Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.34 | 5.17 ug/L | 106717 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 41   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 38   |
| 3    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 38   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 38   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

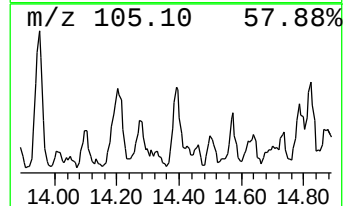
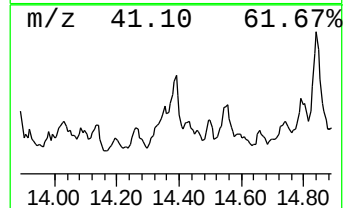
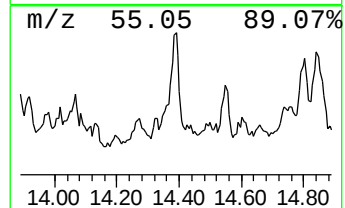
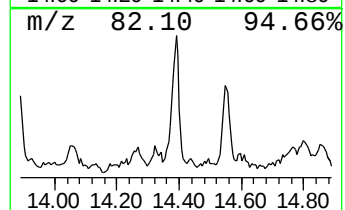
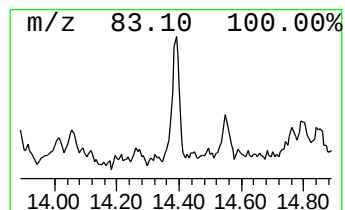
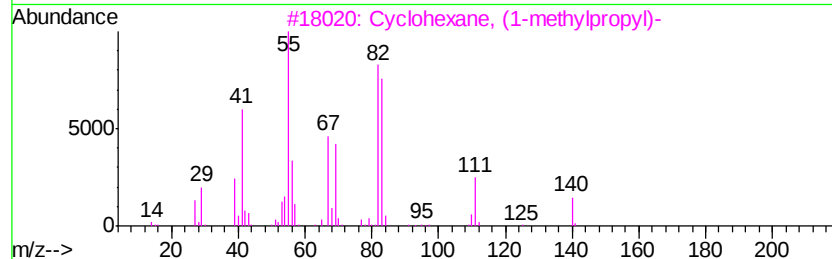
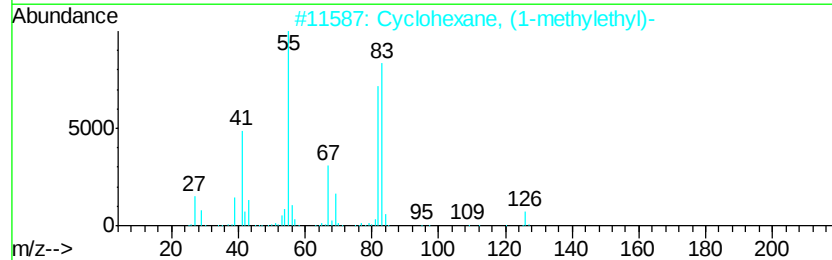
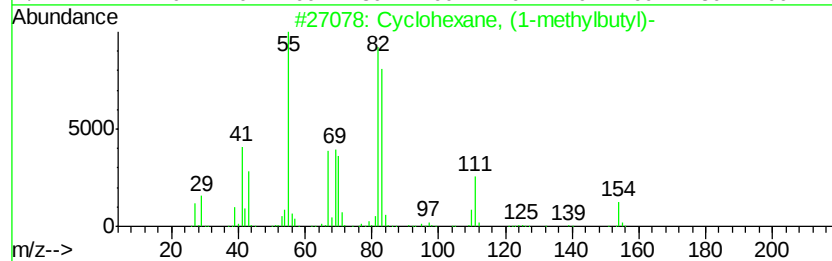
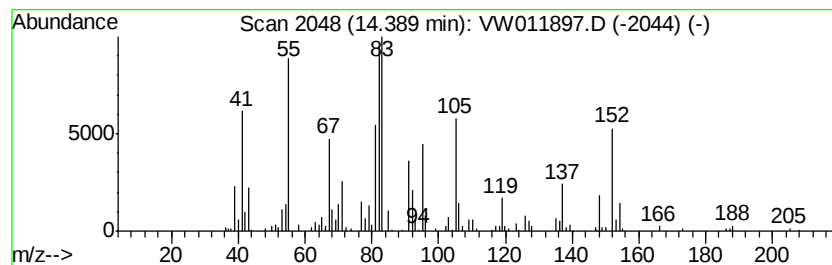
Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 16 (DEL) Alkane: Cyclic14.39 Concentration Rank 7

| R.T.      | EstConc                        | Area   | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------|--------|------------------------|-------------|------|
| 14.39     | 6.63 ug/L                      | 136992 | 1,4-Dichlorobenzene-d4 | 13.56       |      |
| Hit# of 5 | Tentative ID                   | MW     | MolForm                | CAS#        | Qual |
| 1         | Cvclohexane, (1-methylbutyl)-  | 154    | C11H22                 | 061208-94-4 | 49   |
| 2         | Cvclohexane, (1-methylethyl)-  | 126    | C9H18                  | 000696-29-7 | 46   |
| 3         | Cvclohexane, (1-methylpropyl)- | 140    | C10H20                 | 007058-01-7 | 43   |
| 4         | Cvclohexane, pentyl-           | 154    | C11H22                 | 004292-92-6 | 43   |
| 5         | Cyclohexane, (1-methylethyl)-  | 126    | C9H18                  | 000696-29-7 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

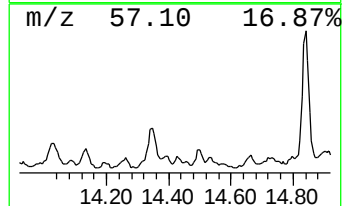
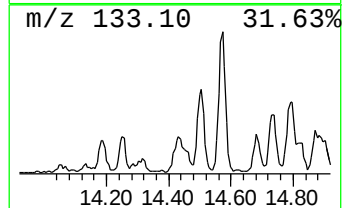
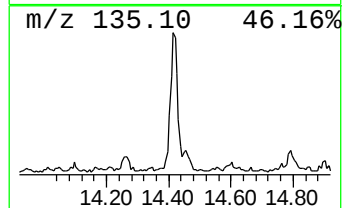
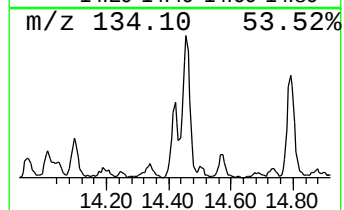
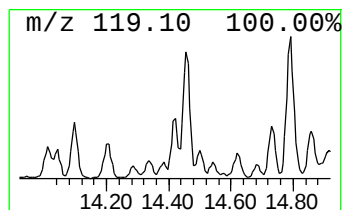
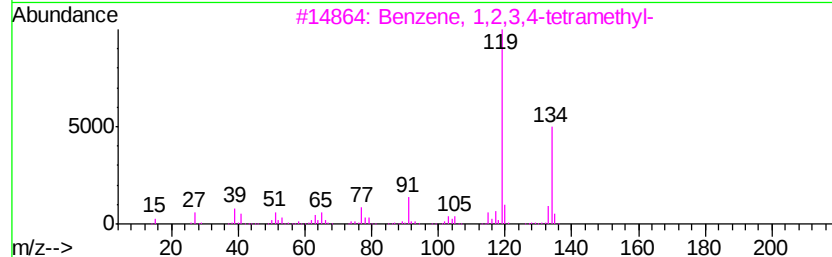
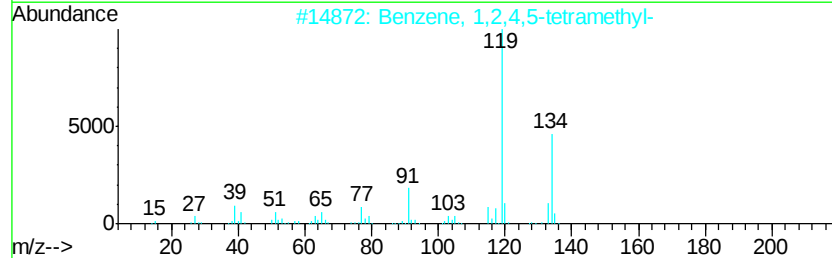
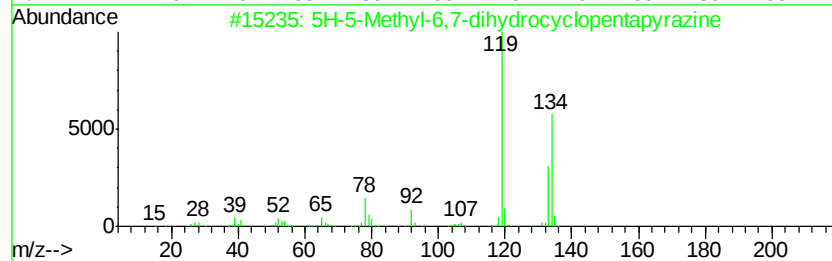
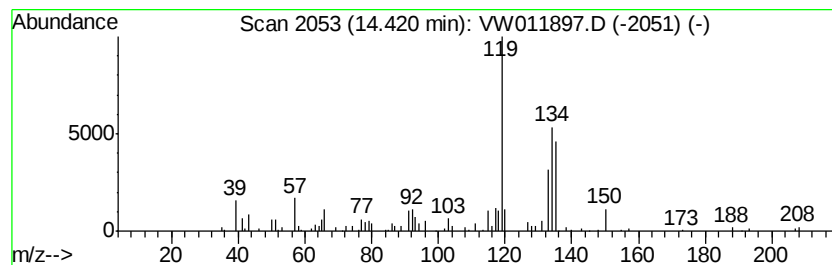
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 5H-5-Methyl-6,7-dihydrocyclopent... Concentration Rank 15

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.42 | 3.01 ug/L | 62185 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 5H-5-Methyl-6,7-dihydrocyclopent... | 134 | C8H10N2 | 023747-48-0 | 58   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 58   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 58   |
| 4    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 53   |
| 5    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

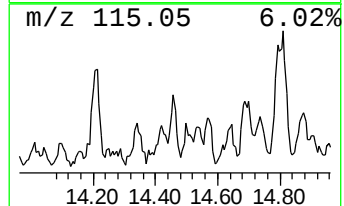
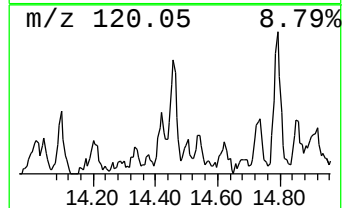
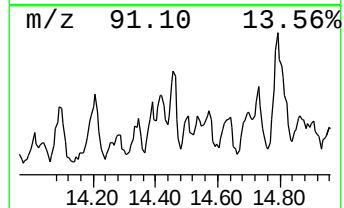
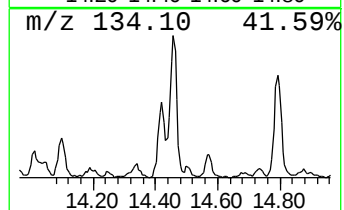
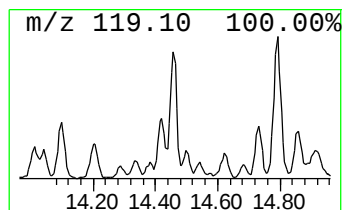
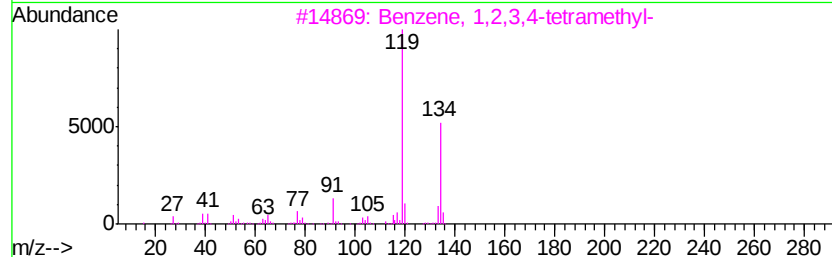
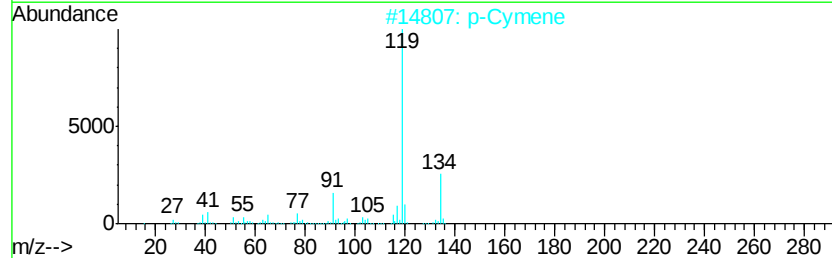
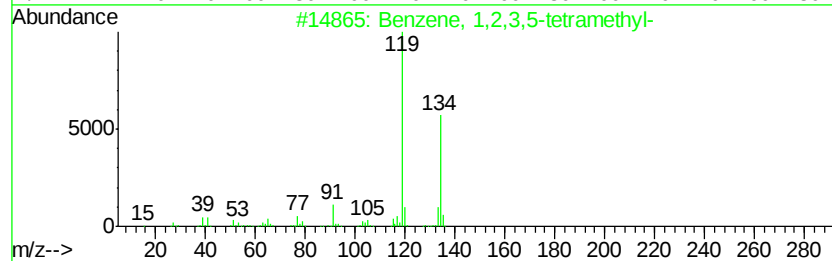
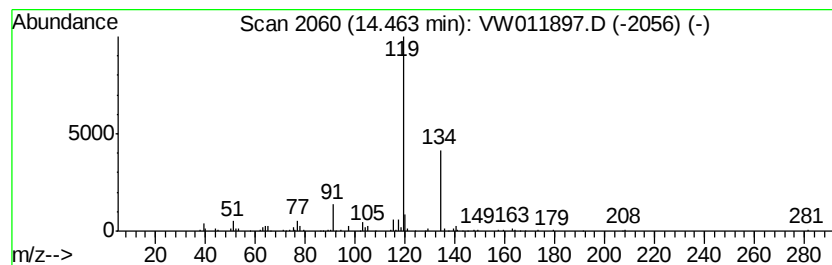
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 14

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.46 | 3.24 ug/L | 66965 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 90   |
| 2    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 90   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 90   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 90   |
| 5    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

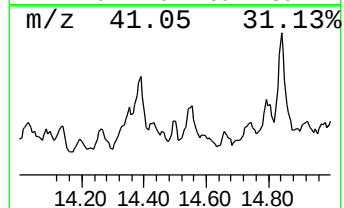
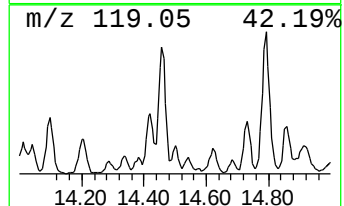
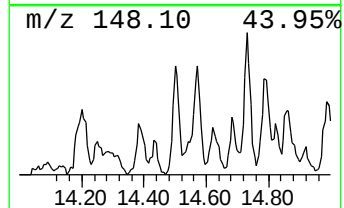
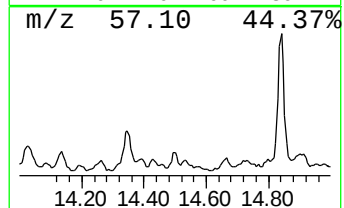
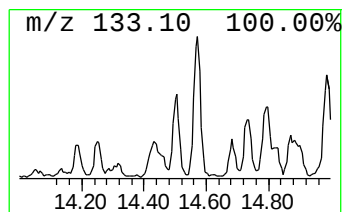
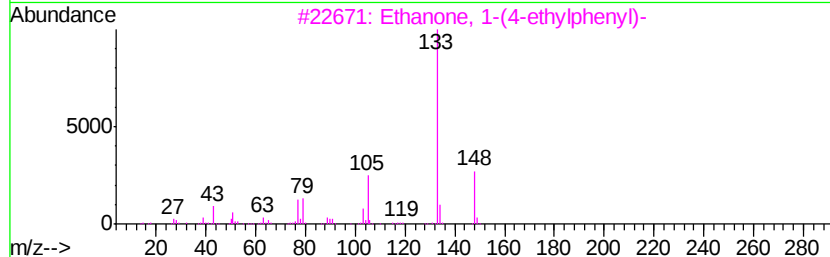
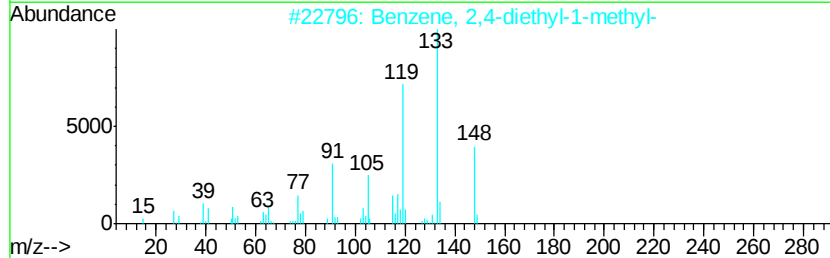
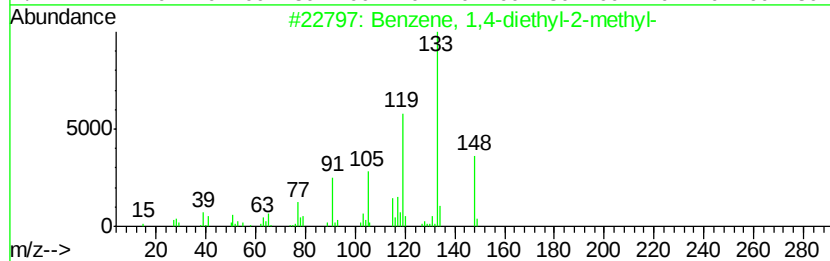
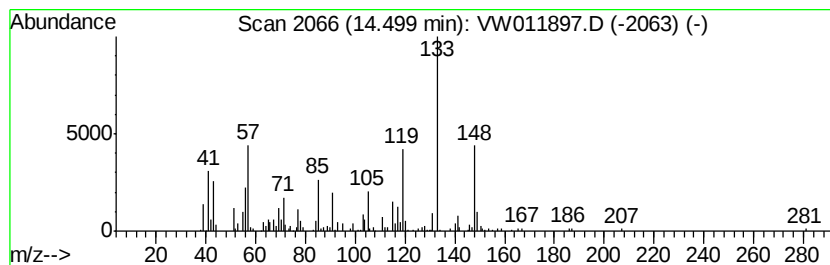
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 25

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.50 | 2.16 ug/L | 44572 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,4-diethyl-2-methyl-       | 148 | C11H16  | 013632-94-5 | 90   |
| 2    |    | Benzene, 2,4-diethyl-1-methyl-       | 148 | C11H16  | 001758-85-6 | 68   |
| 3    |    | Ethanone, 1-(4-ethylphenyl)-         | 148 | C10H12O | 000937-30-4 | 60   |
| 4    |    | 1,5,6,7-Tetramethylbicyclo[3.2.0]... | 148 | C11H16  | 134329-46-7 | 50   |
| 5    |    | m-Ethylacetophenone                  | 148 | C10H12O | 022699-70-3 | 49   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

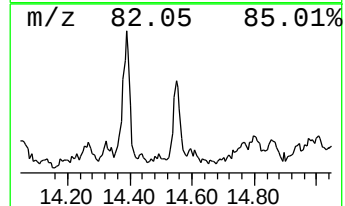
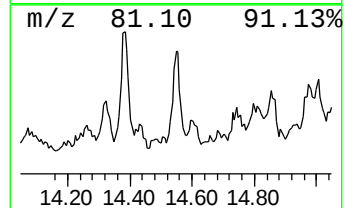
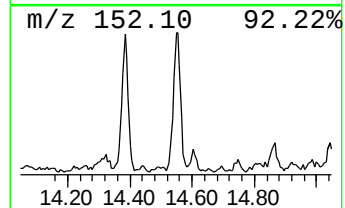
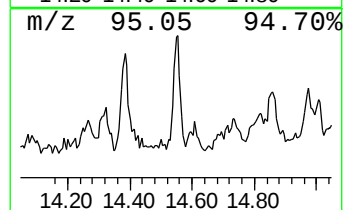
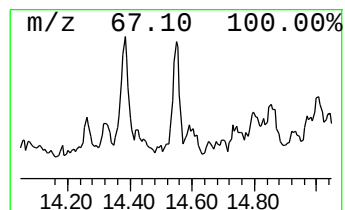
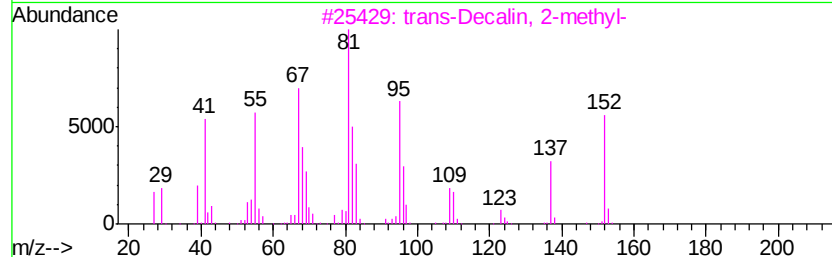
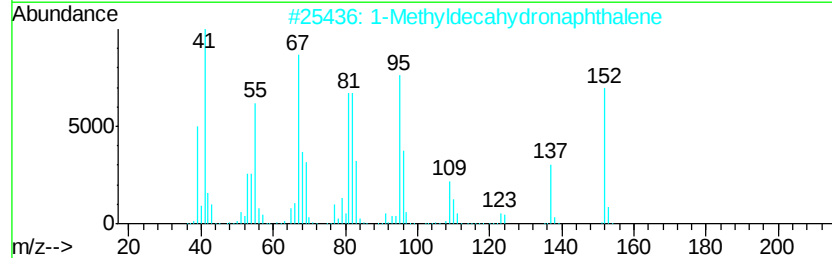
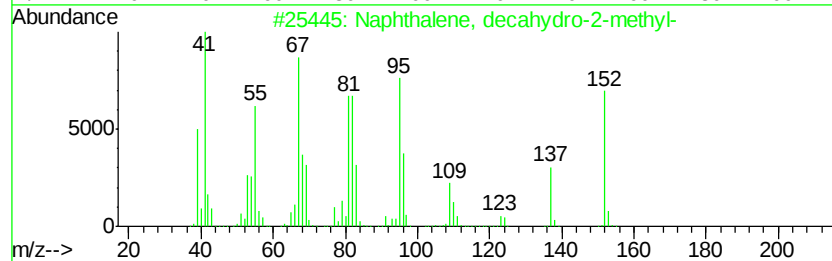
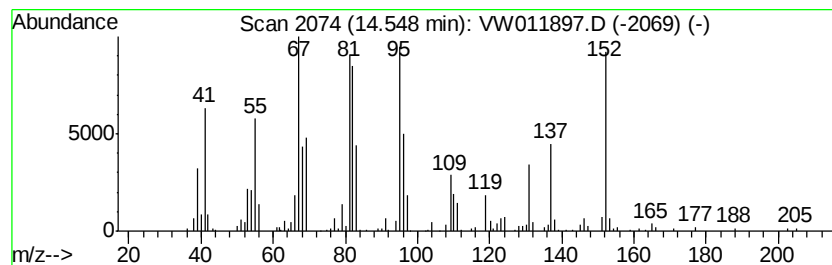
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 Naphthalene, decahydro-2-me... Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.55 | 5.31 ug/L | 109741 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, decahydro-2-methyl- | 152 | C11H20  | 002958-76-1  | 96   |
| 2    |    | 1-Methyldecahydronaphthalene     | 152 | C11H20  | 002958-75-0  | 96   |
| 3    |    | trans-Decalin, 2-methyl-         | 152 | C11H20  | 1000152-47-3 | 90   |
| 4    |    | Naphthalene, decahydro-2-methyl- | 152 | C11H20  | 002958-76-1  | 90   |
| 5    |    | Naphthalene, decahydro-2-methyl- | 152 | C11H20  | 002958-76-1  | 86   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

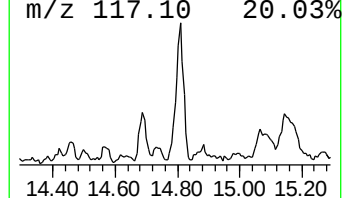
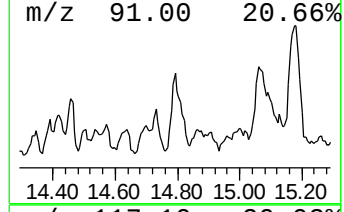
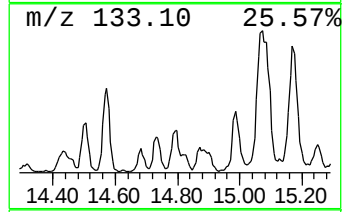
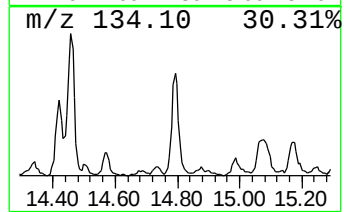
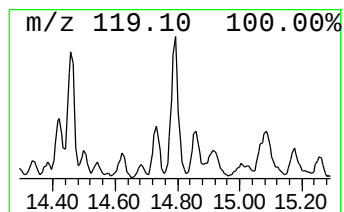
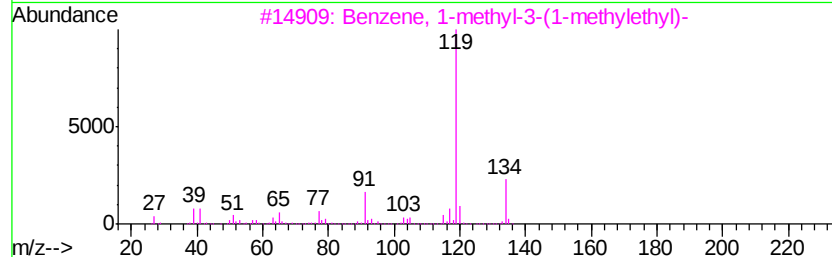
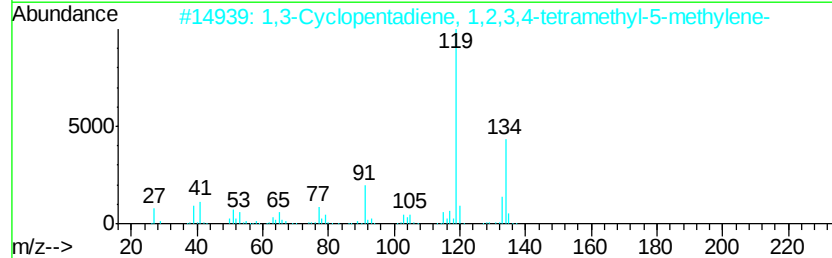
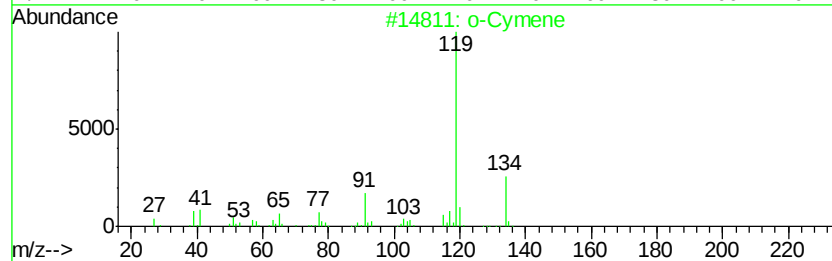
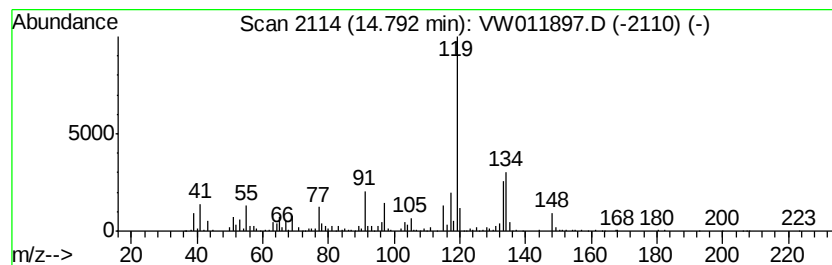
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 23 o-Cymene Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.79 | 8.36 ug/L | 172724 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 91   |
| 2    |    | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 70   |
| 3    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 64   |
| 4    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 64   |
| 5    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

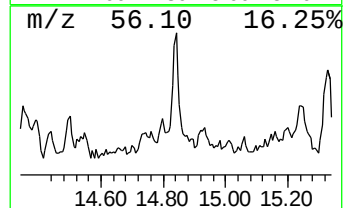
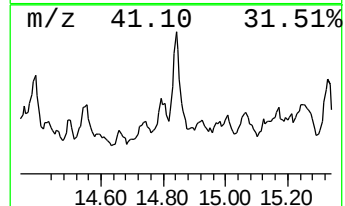
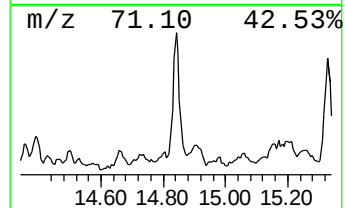
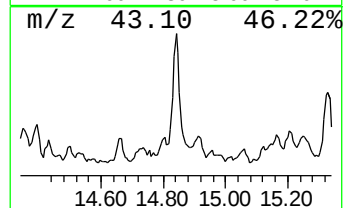
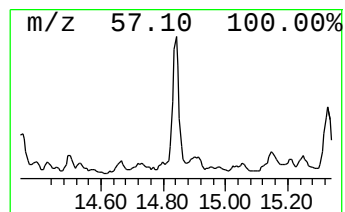
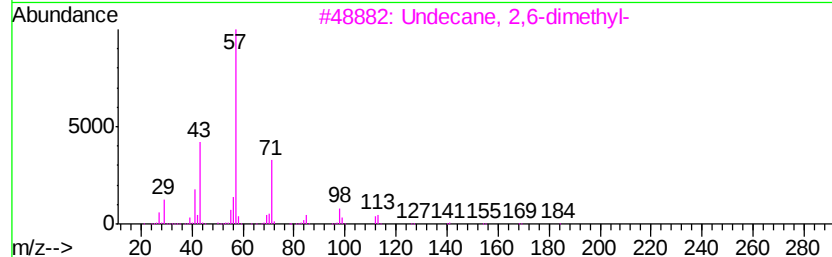
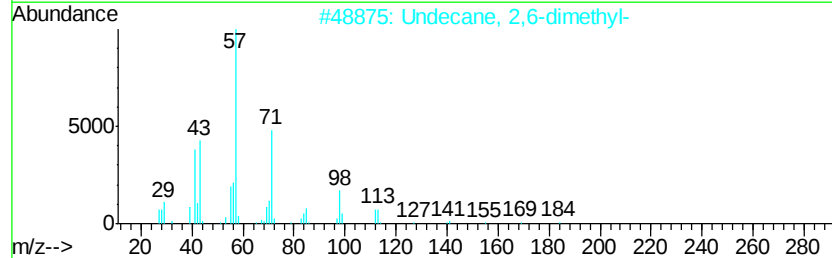
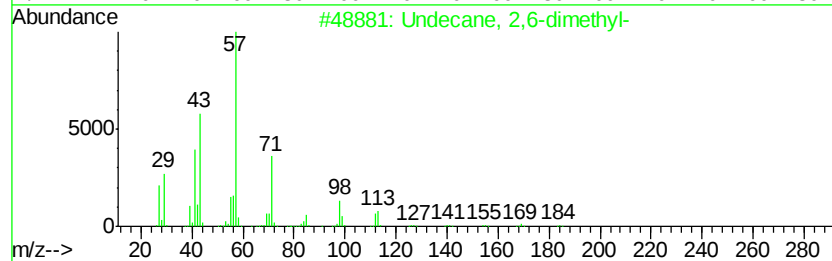
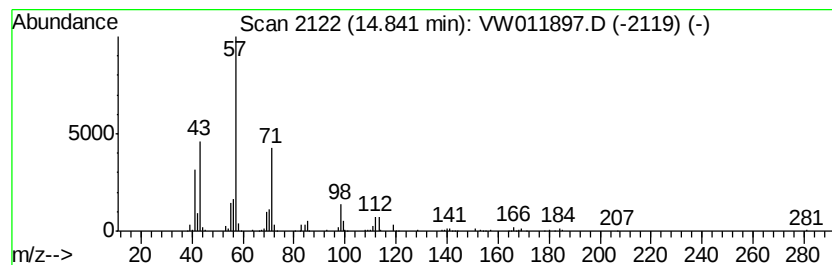
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD       |  | R.T.  |
|-------|-----------|--------|------------------------|--|-------|
| 14.84 | 7.84 ug/L | 161911 | 1,4-Dichlorobenzene-d4 |  | 13.56 |

| Hit# | of        | 5             | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------|---------------|--------------|-----|---------|-------------|------|
| 1    | Undecane, | 2,6-dimethyl- |              | 184 | C13H28  | 017301-23-4 | 95   |
| 2    | Undecane, | 2,6-dimethyl- |              | 184 | C13H28  | 017301-23-4 | 95   |
| 3    | Undecane, | 2,6-dimethyl- |              | 184 | C13H28  | 017301-23-4 | 90   |
| 4    | Undecane, | 2,5-dimethyl- |              | 184 | C13H28  | 017301-22-3 | 80   |
| 5    | Dodecane, | 6-methyl-     |              | 184 | C13H28  | 006044-71-9 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

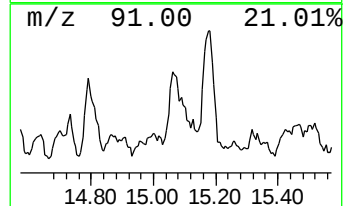
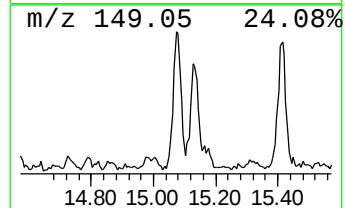
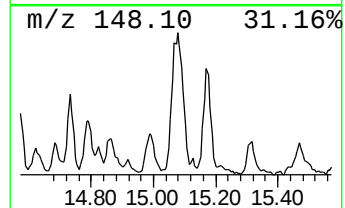
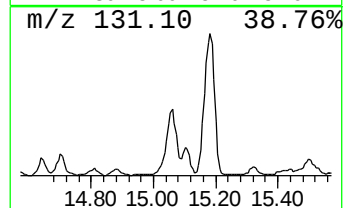
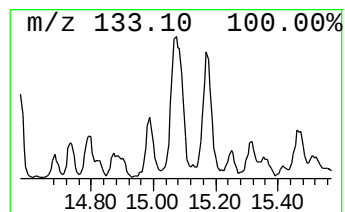
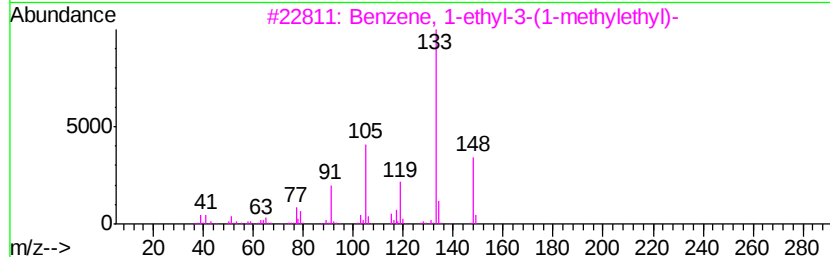
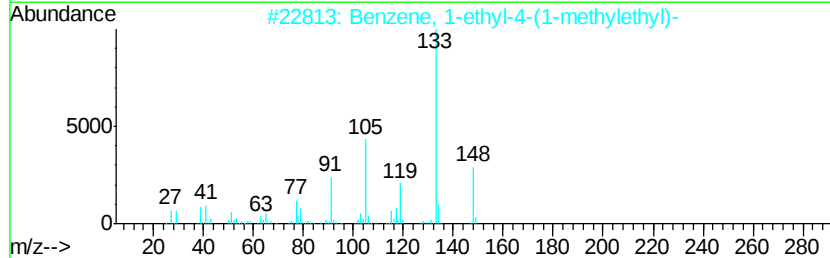
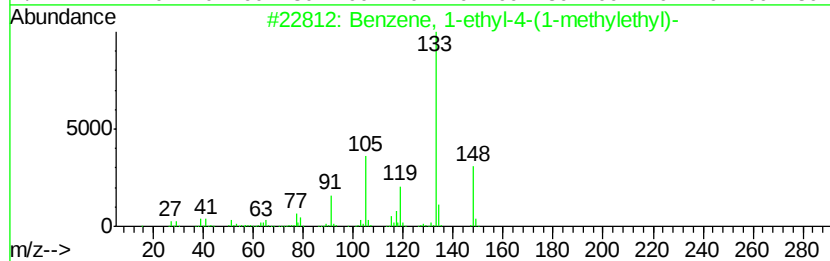
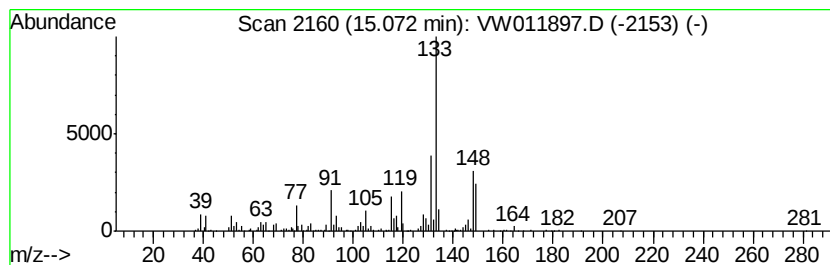
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 25 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.07 | 10.82 ug/L | 223507 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                                | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-4-(1-methylethyl)-         | 148 | C11H16  | 004218-48-8 | 64   |
| 2    |    | Benzene, 1-ethyl-4-(1-methylethyl)-         | 148 | C11H16  | 004218-48-8 | 58   |
| 3    |    | Benzene, 1-ethyl-3-(1-methylethyl)-         | 148 | C11H16  | 004920-99-4 | 58   |
| 4    |    | Benzene, 1-ethyl-2,4,5-trimethyl-           | 148 | C11H16  | 017851-27-3 | 52   |
| 5    |    | 1,5,6,7-Tetramethylbicyclo[3.2.0]hept-2-ene | 148 | C11H16  | 134329-46-7 | 49   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

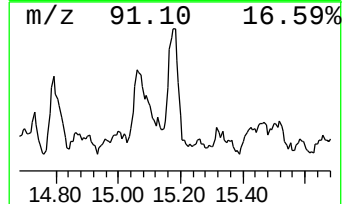
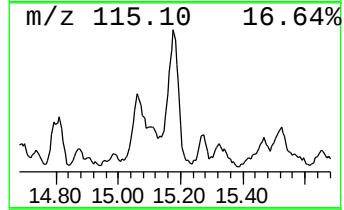
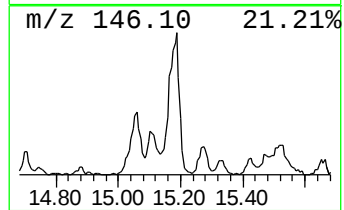
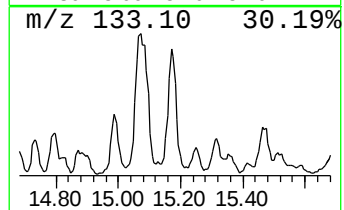
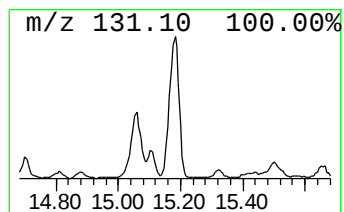
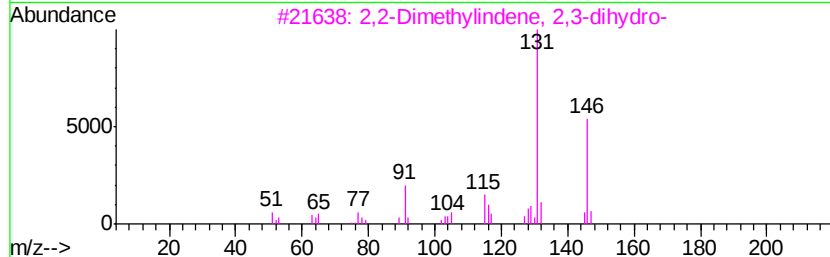
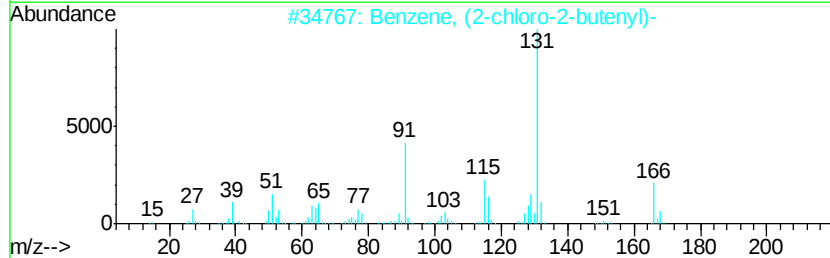
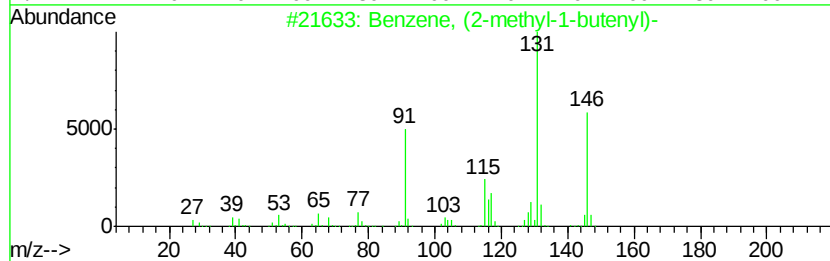
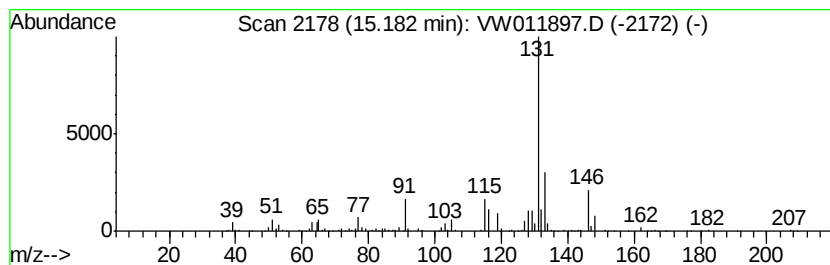
Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 26 Benzene, (2-methyl-1-butenyl)- Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.18   | 14.12 ug/L | 291573                              | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, (2-methyl-1-butenyl)-      | 146 C11H14             | 056253-64-6 91 |
| 2       |            | Benzene, (2-chloro-2-butenyl)-      | 166 C10H11Cl           | 054411-12-0 78 |
| 3       |            | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14             | 020836-11-7 64 |
| 4       |            | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 C11H14             | 004912-92-9 64 |
| 5       |            | Benzene, 1-methyl-4-(1-methyl-2-... | 146 C11H14             | 097664-18-1 64 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

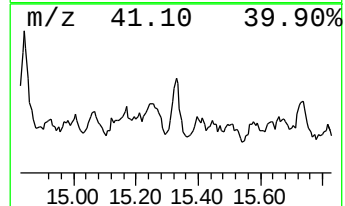
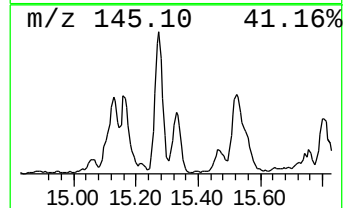
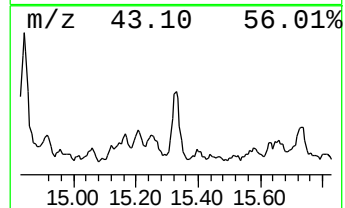
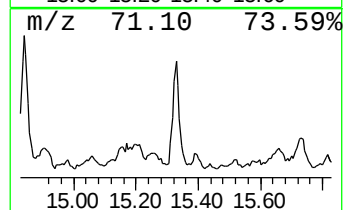
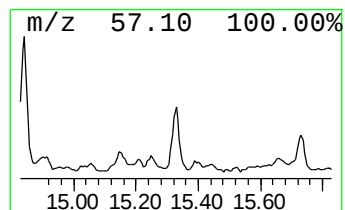
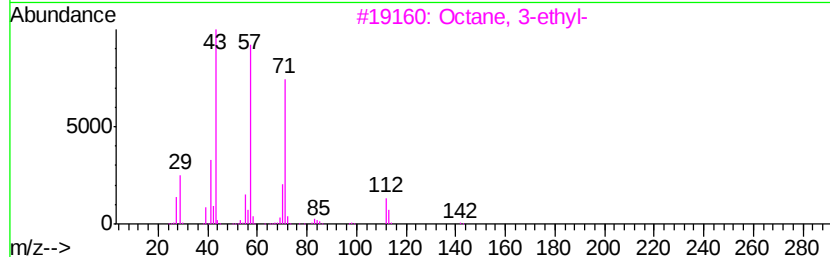
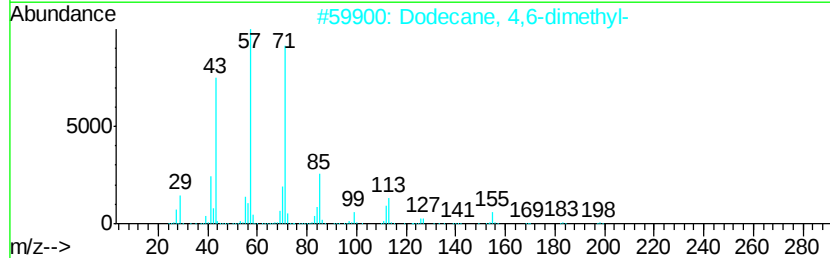
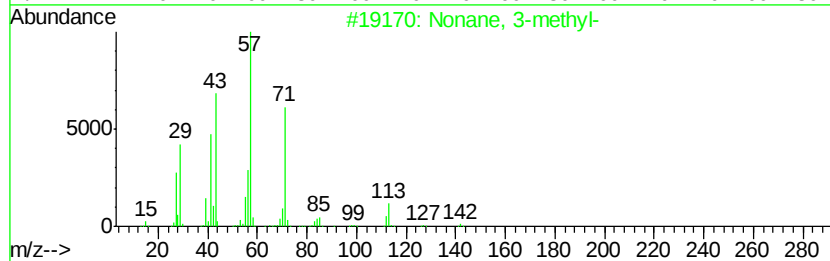
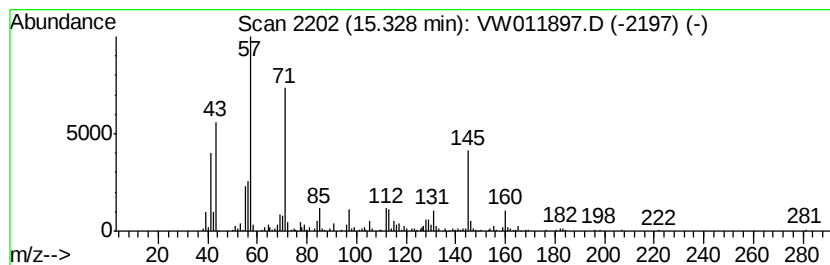
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.33 | 5.97 ug/L | 123254 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 3-methyl-         | 142 | C10H22  | 005911-04-6 | 64   |
| 2    |    | Dodecane, 4,6-dimethyl-   | 198 | C14H30  | 061141-72-8 | 46   |
| 3    |    | Octane, 3-ethyl-          | 142 | C10H22  | 005881-17-4 | 46   |
| 4    |    | 3-Hexanone, 2,2-dimethyl- | 128 | C8H16O  | 005405-79-8 | 43   |
| 5    |    | 3-Bromooctane             | 192 | C8H17Br | 000999-64-4 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

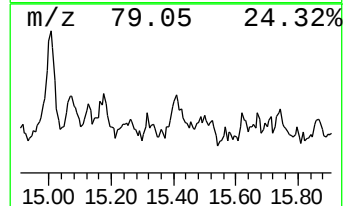
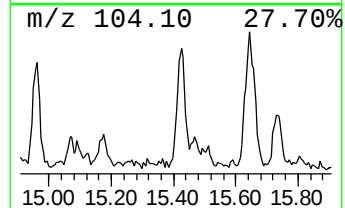
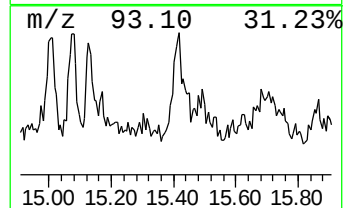
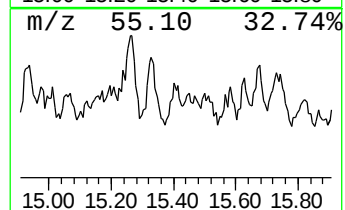
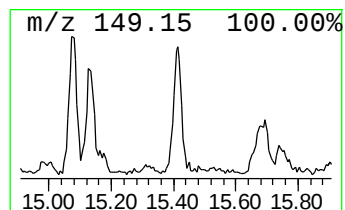
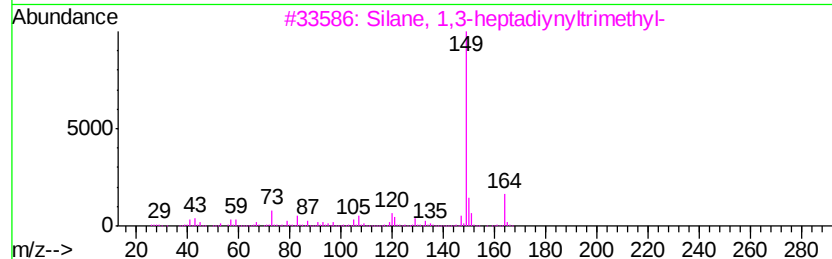
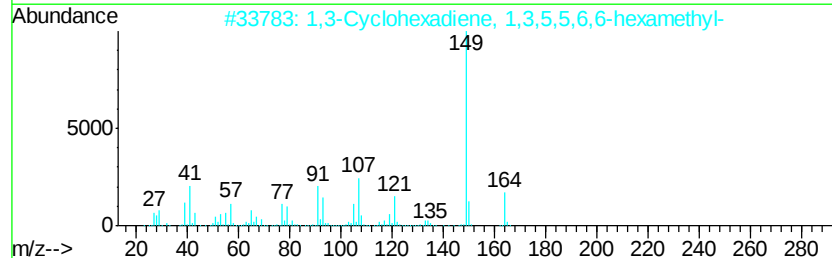
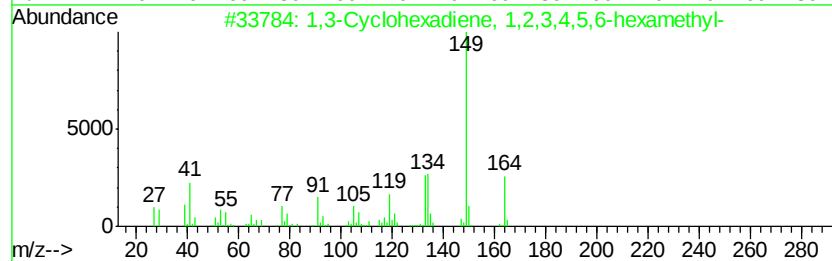
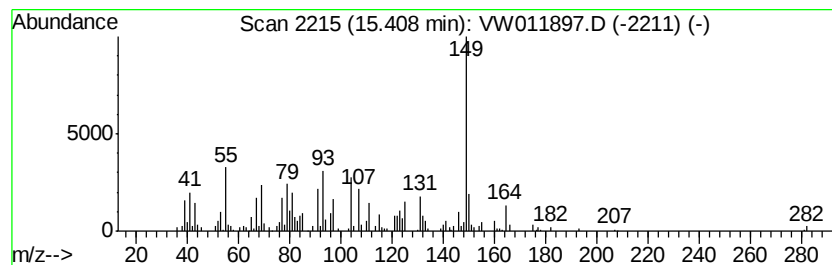
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 28 unknown-07 Concentration Rank 29

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 15.41 | 1.83 ug/L | 37743 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 1,3-Cyclohexadiene, 1,2,3,4,5,6-... | 164 | C12H20     | 1000152-09-6 | 49   |
| 2    |    |   | 1,3-Cyclohexadiene, 1,3,5,5,6,6-... | 164 | C12H20     | 1000150-39-4 | 46   |
| 3    |    |   | Silane, 1,3-heptadiynyltrimethyl-   | 164 | C10H16Si   | 019024-47-6  | 43   |
| 4    |    |   | Phthalic acid, 1-(3-bromophenyl)... | 460 | C24H29BrO4 | 1000377-88-1 | 43   |
| 5    |    |   | Adamantane, 1-isothiocyanato-3-m... | 207 | C12H17NS   | 136860-48-5  | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

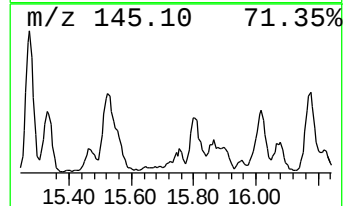
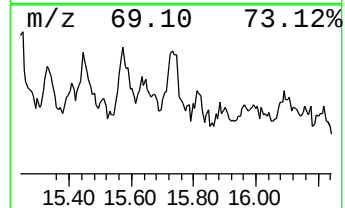
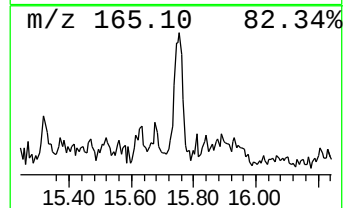
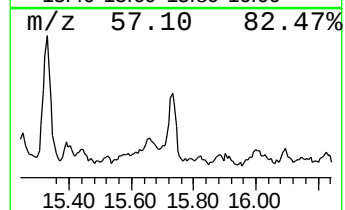
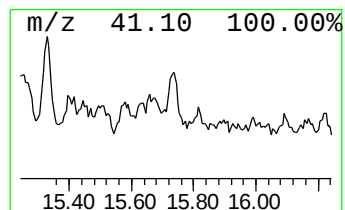
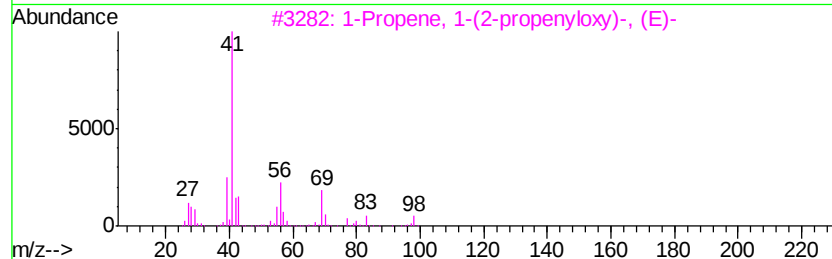
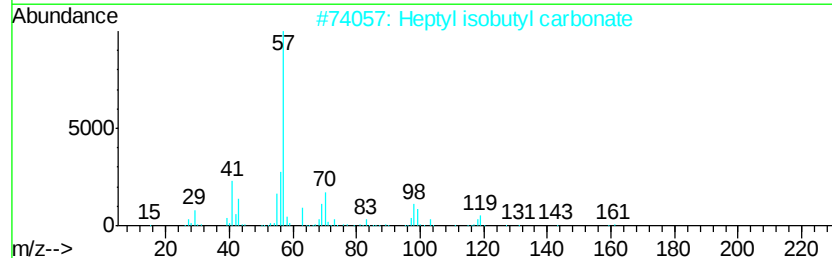
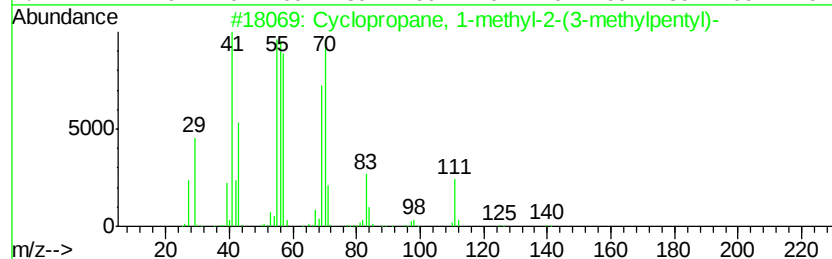
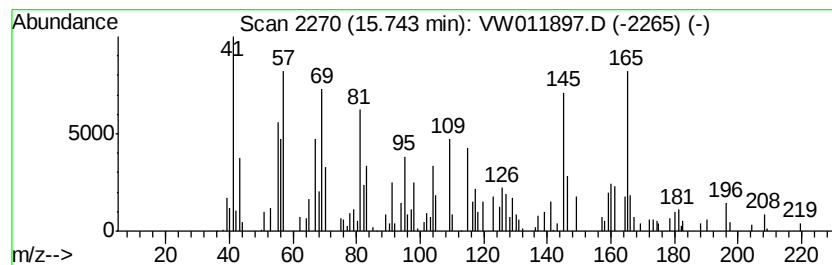
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 29 (DEL) Alkane: Cyclic15.74 Concentration Rank 21

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 15.74 | 2.45 ug/L | 50534 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Cyclopropane, 1-methyl-2-(3-meth... | 140 | C10H20   | 062238-07-7 | 10   |
| 2    |    | Heptyl isobutyl carbonate           | 216 | C12H24O3 | 959068-08-7 | 10   |
| 3    |    | 1-Propene, 1-(2-propenyloxy)-, (E)- | 98  | C6H10O   | 061142-13-0 | 10   |
| 4    |    | (Z)-3-Heptene                       | 98  | C7H14    | 007642-10-6 | 10   |
| 5    |    | 2H-Pyran-2-one, tetrahydro-4,6,6... | 142 | C8H14O2  | 020628-36-8 | 10   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

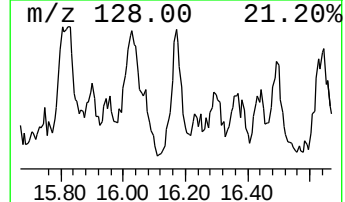
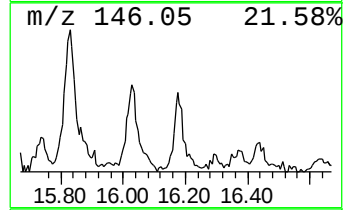
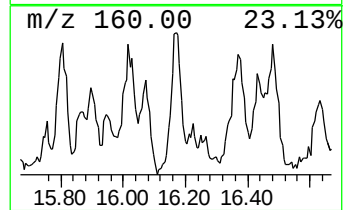
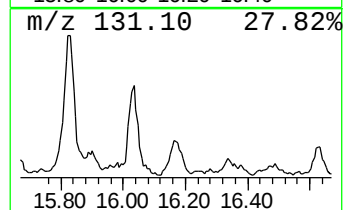
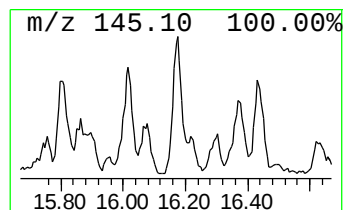
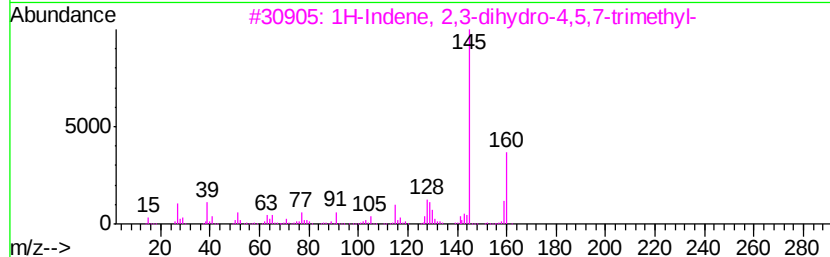
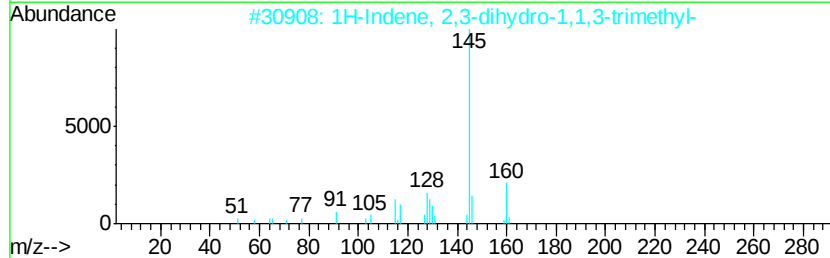
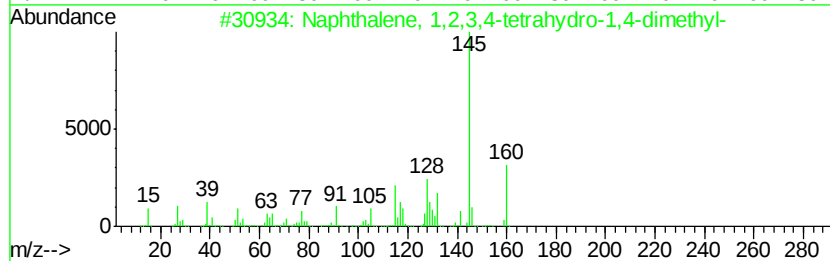
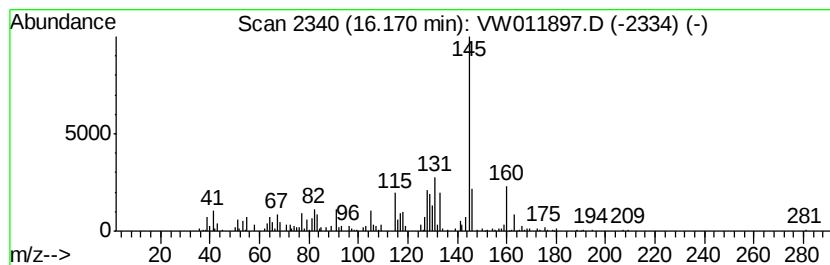
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 30 Naphthalene, 1,2,3,4-tetra... Concentration Rank 11

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 16.17 | 4.15 ug/L | 85672 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 89   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16  | 002613-76-5 | 76   |
| 3    |    | 1H-Indene, 2,3-dihydro-4,5,7-tri... | 160 | C12H16  | 006682-06-0 | 64   |
| 4    |    | Benzene, 1-(1-methylethenyl)-2-(... | 160 | C12H16  | 005557-93-7 | 64   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,4,7-tri... | 160 | C12H16  | 054340-87-3 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

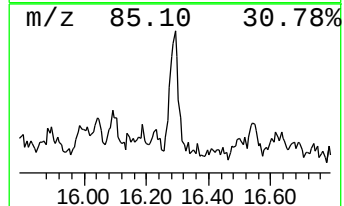
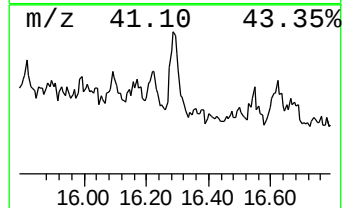
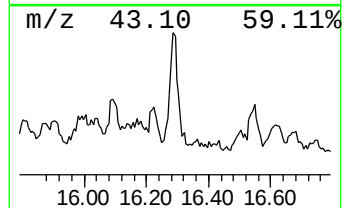
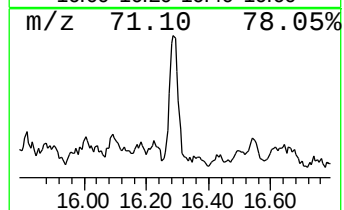
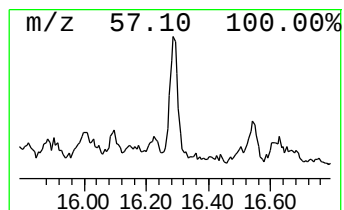
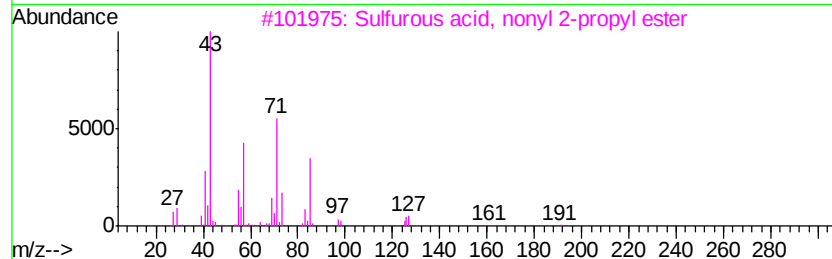
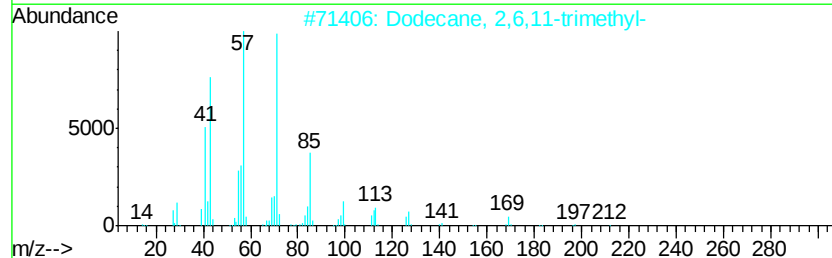
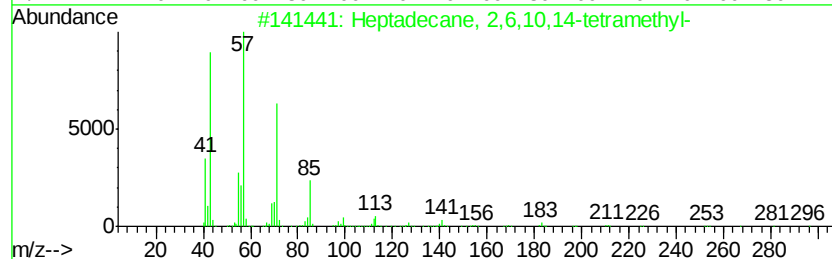
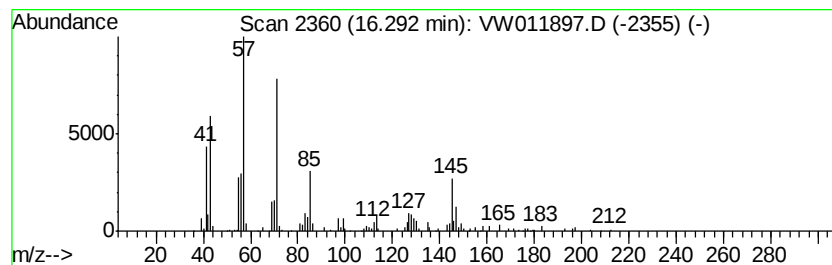
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 16.29 | 3.61 ug/L | 74635 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44    | 018344-37-1  | 64   |
| 2    |    |   | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32    | 031295-56-4  | 64   |
| 3    |    |   | Sulfurous acid, nonyl 2-propyl e... | 250 | C12H26O3S | 1000309-12-0 | 43   |
| 4    |    |   | Nonane, 2,3-dimethyl-               | 156 | C11H24    | 002884-06-2  | 38   |
| 5    |    |   | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
Data File : VW011897.D  
Acq On : 13 Aug 2019 16:08  
Operator : SY/VA  
Sample : K4215-10  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOC1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
Quant Title : VOC Analysis

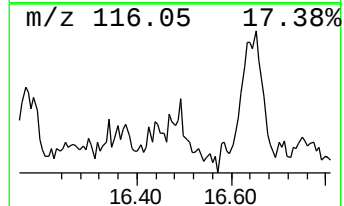
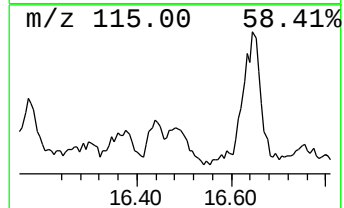
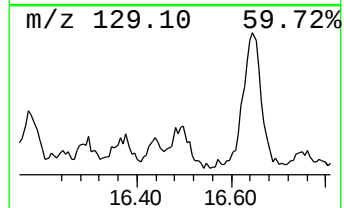
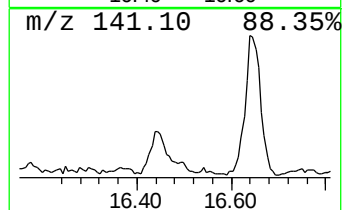
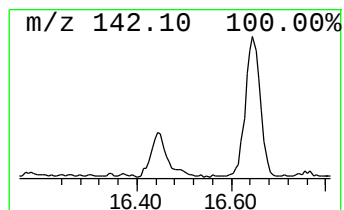
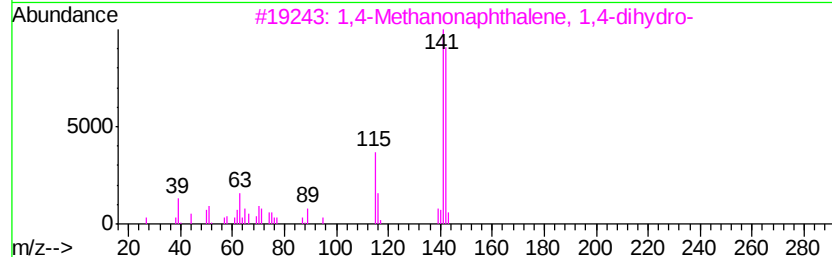
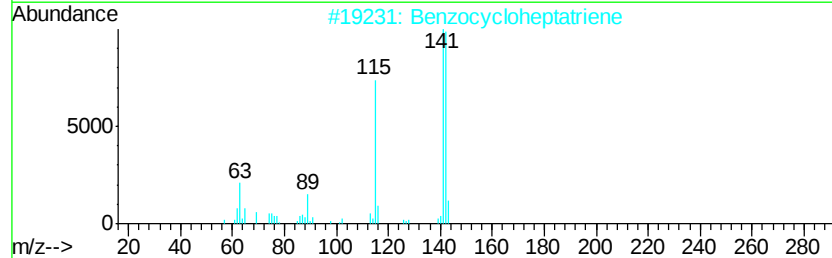
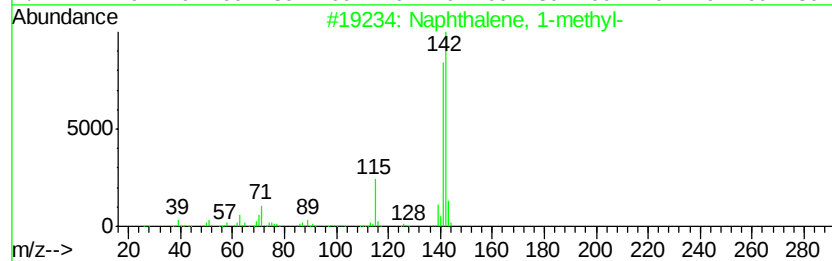
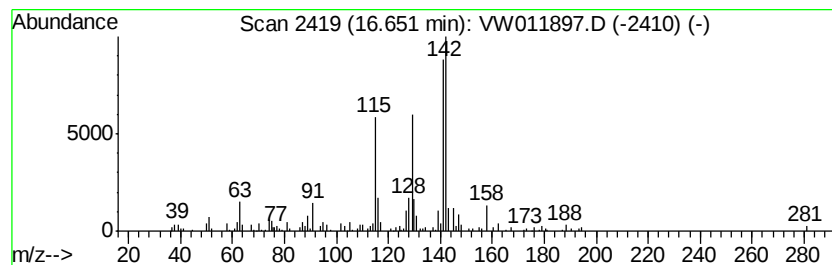
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 32 Naphthalene, 1-methyl- Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 16.65 | 7.62 ug/L | 157301 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 64   |
| 2    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 58   |
| 3    |    | 1,4-Methanonaphthalene, 1,4-dihv... | 142 | C11H10  | 004453-90-1 | 53   |
| 4    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 52   |
| 5    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 52   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW081319\  
 Data File : VW011897.D  
 Acq On : 13 Aug 2019 16:08  
 Operator : SY/VA  
 Sample : K4215-10  
 Misc : 5.11G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.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           | 2.15  | 1.4     | ug/L  | 45710    | 1                     | 8.84  | 820021 | 25.0 |
| unknown-02           | 11.07 | 2.2     | ug/L  | 71027    | 2                     | 11.63 | 814620 | 25.0 |
| Cyclopropane, (2-... | 12.34 | 2.2     | ug/L  | 72390    | 2                     | 11.63 | 814620 | 25.0 |
| unknown-03           | 12.78 | 2.1     | ug/L  | 42952    | 3                     | 13.56 | 516409 | 25.0 |
| unknown-04           | 12.87 | 1.8     | ug/L  | 36993    | 3                     | 13.56 | 516409 | 25.0 |
| unknown-05           | 12.93 | 2.9     | ug/L  | 60616    | 3                     | 13.56 | 516409 | 25.0 |
| (DEL) Alkane: Str... | 13.16 | 2.6     | ug/L  | 53063    | 3                     | 13.56 | 516409 | 25.0 |
| (DEL) Alkane: Cyc... | 13.44 | 2.0     | ug/L  | 41685    | 3                     | 13.56 | 516409 | 25.0 |
| Benzene, 1-etheny... | 14.21 | 3.7     | ug/L  | 76190    | 3                     | 13.56 | 516409 | 25.0 |
| Adamantane           | 14.26 | 3.0     | ug/L  | 61107    | 3                     | 13.56 | 516409 | 25.0 |
| unknown-06           | 14.34 | 5.2     | ug/L  | 106717   | 3                     | 13.56 | 516409 | 25.0 |
| (DEL) Alkane: Cyc... | 14.39 | 6.6     | ug/L  | 136992   | 3                     | 13.56 | 516409 | 25.0 |
| 5H-5-Methyl-6,7-d... | 14.42 | 3.0     | ug/L  | 62185    | 3                     | 13.56 | 516409 | 25.0 |
| Benzene, 1,2,3,5-... | 14.46 | 3.2     | ug/L  | 66965    | 3                     | 13.56 | 516409 | 25.0 |
| Benzene, 1,4-diet... | 14.50 | 2.2     | ug/L  | 44572    | 3                     | 13.56 | 516409 | 25.0 |
| Naphthalene, deca... | 14.55 | 5.3     | ug/L  | 109741   | 3                     | 13.56 | 516409 | 25.0 |
| o-Cymene             | 14.79 | 8.4     | ug/L  | 172724   | 3                     | 13.56 | 516409 | 25.0 |
| (DEL) Alkane: Str... | 14.84 | 7.8     | ug/L  | 161911   | 3                     | 13.56 | 516409 | 25.0 |
| Benzene, 1-ethyl-... | 15.07 | 10.8    | ug/L  | 223507   | 3                     | 13.56 | 516409 | 25.0 |
| Benzene, (2-methy... | 15.18 | 14.1    | ug/L  | 291573   | 3                     | 13.56 | 516409 | 25.0 |
| (DEL) Alkane: Str... | 15.33 | 6.0     | ug/L  | 123254   | 3                     | 13.56 | 516409 | 25.0 |
| unknown-07           | 15.41 | 1.8     | ug/L  | 37743    | 3                     | 13.56 | 516409 | 25.0 |
| (DEL) Alkane: Cyc... | 15.74 | 2.5     | ug/L  | 50534    | 3                     | 13.56 | 516409 | 25.0 |
| Naphthalene, 1,2,... | 16.17 | 4.2     | ug/L  | 85672    | 3                     | 13.56 | 516409 | 25.0 |
| (DEL) Alkane: Str... | 16.29 | 3.6     | ug/L  | 74635    | 3                     | 13.56 | 516409 | 25.0 |
| Naphthalene, 1-me... | 16.65 | 7.6     | ug/L  | 157301   | 3                     | 13.56 | 516409 | 25.0 |