

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
 Data File : VX013422.D  
 Acq On : 14 Nov 2019 15:12  
 Operator : JC/SP  
 Sample : K5804-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GE-MW-58-1S

Integration Parameters: RTEINT3.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\_X\METHOD\624X111119W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.880       | 322           | 327         | 333          | rVB      | 484838         | 874020        | 1.07%           | 0.124%        |
| 2         | 3.161       | 364           | 373         | 383          | rBV      | 545407         | 1263877       | 1.55%           | 0.179%        |
| 3         | 3.515       | 420           | 431         | 439          | rBV      | 383166         | 855125        | 1.05%           | 0.121%        |
| 4         | 4.392       | 566           | 575         | 588          | rVB      | 1405432        | 4025756       | 4.95%           | 0.571%        |
| 5         | 5.575       | 758           | 769         | 782          | rBV3     | 1077077        | 3869108       | 4.75%           | 0.548%        |
| 6         | 5.715       | 782           | 792         | 813          | rVB4     | 426000         | 1656967       | 2.04%           | 0.235%        |
| 7         | 5.929       | 815           | 827         | 839          | rBV4     | 619453         | 1940118       | 2.38%           | 0.275%        |
| 8         | 6.252       | 866           | 880         | 889          | rBV2     | 406403         | 1471188       | 1.81%           | 0.209%        |
| 9         | 6.349       | 889           | 896         | 904          | rVV2     | 579669         | 1663458       | 2.04%           | 0.236%        |
| 10        | 6.453       | 904           | 913         | 924          | rVB2     | 529136         | 1532595       | 1.88%           | 0.217%        |
| 11        | 6.697       | 940           | 953         | 961          | rBV2     | 341191         | 850848        | 1.05%           | 0.121%        |
| 12        | 6.855       | 971           | 979         | 982          | rBV      | 575678         | 1377829       | 1.69%           | 0.195%        |
| 13        | 6.935       | 983           | 992         | 1002         | rVB5     | 733393         | 2855679       | 3.51%           | 0.405%        |
| 14        | 7.252       | 1033          | 1044        | 1053         | rBV      | 725888         | 1614215       | 1.98%           | 0.229%        |
| 15        | 7.459       | 1065          | 1078        | 1091         | rBV2     | 2948048        | 7433852       | 9.13%           | 1.054%        |
| 16        | 7.727       | 1116          | 1122        | 1132         | rVB      | 499714         | 990838        | 1.22%           | 0.140%        |
| 17        | 8.050       | 1166          | 1175        | 1187         | rVB3     | 316143         | 971942        | 1.19%           | 0.138%        |
| 18        | 8.172       | 1187          | 1195        | 1197         | rBV2     | 639521         | 1173372       | 1.44%           | 0.166%        |
| 19        | 8.209       | 1197          | 1201        | 1206         | rVV      | 1660398        | 2920432       | 3.59%           | 0.414%        |
| 20        | 8.258       | 1206          | 1209        | 1219         | rVV3     | 446775         | 842121        | 1.03%           | 0.119%        |
| 21        | 8.568       | 1252          | 1260        | 1270         | rVB2     | 1105502        | 1999740       | 2.46%           | 0.283%        |
| 22        | 8.709       | 1279          | 1283        | 1292         | rVB      | 1299199        | 2205092       | 2.71%           | 0.313%        |
| 23        | 9.221       | 1362          | 1367        | 1377         | rVB      | 947906         | 1545312       | 1.90%           | 0.219%        |
| 24        | 10.111      | 1508          | 1513        | 1517         | rBV      | 1189438        | 1564860       | 1.92%           | 0.222%        |
| 25        | 10.251      | 1530          | 1536        | 1542         | rVB2     | 54460806       | 81379380      | 100.00%         | 11.536%       |
| 26        | 10.361      | 1546          | 1554        | 1559         | rBV2     | 56536819       | 80179397      | 98.53%          | 11.366%       |
| 27        | 10.696      | 1604          | 1609        | 1614         | rVB      | 3477451        | 4328690       | 5.32%           | 0.614%        |
| 28        | 11.013      | 1656          | 1661        | 1669         | rBV      | 11468356       | 14099858      | 17.33%          | 1.999%        |
| 29        | 11.135      | 1676          | 1681        | 1686         | rBV      | 973423         | 1261853       | 1.55%           | 0.179%        |
| 30        | 11.355      | 1712          | 1717        | 1723         | rBV      | 24688034       | 32603351      | 40.06%          | 4.622%        |
| 31        | 11.434      | 1724          | 1730        | 1731         | rBV      | 3693349        | 4752860       | 5.84%           | 0.674%        |
| 32        | 11.452      | 1731          | 1733        | 1737         | rVV      | 3794762        | 4051373       | 4.98%           | 0.574%        |
| 33        | 11.507      | 1737          | 1742        | 1747         | rVB      | 38690092       | 49085796      | 60.32%          | 6.958%        |
| 34        | 11.665      | 1762          | 1768        | 1779         | rVB      | 13346506       | 16683566      | 20.50%          | 2.365%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
 Data File : VX013422.D  
 Acq On : 14 Nov 2019 15:12  
 Operator : JC/SP  
 Sample : K5804-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GE-MW-58-1S

## Integration Parameters: RTEINT3.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\_X\METHOD\624X111119W.M  
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 35 | 11.806 | 1786 | 1791 | 1796 | rVB  | 42465022 | 52383662 | 64.37% | 7.426% |
| 36 | 11.915 | 1804 | 1809 | 1811 | rBV  | 1186296  | 1508600  | 1.85%  | 0.214% |
| 37 | 11.940 | 1811 | 1813 | 1820 | rVB  | 1483365  | 1810675  | 2.22%  | 0.257% |
| 38 | 12.025 | 1821 | 1827 | 1830 | rBV  | 1006899  | 1279173  | 1.57%  | 0.181% |
| 39 | 12.062 | 1830 | 1833 | 1840 | rVB  | 1058090  | 1222163  | 1.50%  | 0.173% |
| 40 | 12.141 | 1840 | 1846 | 1851 | rBV  | 28009742 | 34530505 | 42.43% | 4.895% |
| 41 | 12.300 | 1866 | 1872 | 1879 | rBV  | 42343702 | 55437738 | 68.12% | 7.858% |
| 42 | 12.373 | 1879 | 1884 | 1891 | rVV3 | 13364247 | 20088491 | 24.68% | 2.848% |
| 43 | 12.458 | 1893 | 1898 | 1904 | rBV2 | 2039109  | 2735499  | 3.36%  | 0.388% |
| 44 | 12.580 | 1913 | 1918 | 1927 | rBV  | 6578766  | 9083812  | 11.16% | 1.288% |
| 45 | 12.665 | 1927 | 1932 | 1935 | rBV  | 18739140 | 21630694 | 26.58% | 3.066% |
| 46 | 12.696 | 1935 | 1937 | 1942 | rVB  | 3285544  | 3716679  | 4.57%  | 0.527% |
| 47 | 12.751 | 1942 | 1946 | 1954 | rBV2 | 9998410  | 14284748 | 17.55% | 2.025% |
| 48 | 12.903 | 1965 | 1971 | 1975 | rVB2 | 1550245  | 2052484  | 2.52%  | 0.291% |
| 49 | 12.976 | 1975 | 1983 | 1986 | rBV  | 10386879 | 12628331 | 15.52% | 1.790% |
| 50 | 13.013 | 1986 | 1989 | 1995 | rVB  | 10200409 | 12175609 | 14.96% | 1.726% |
| 51 | 13.080 | 1995 | 2000 | 2001 | rBV  | 688945   | 954949   | 1.17%  | 0.135% |
| 52 | 13.220 | 2019 | 2023 | 2029 | rVB  | 11352415 | 13455587 | 16.53% | 1.907% |
| 53 | 13.312 | 2033 | 2038 | 2039 | rBV  | 665891   | 859953   | 1.06%  | 0.122% |
| 54 | 13.348 | 2039 | 2044 | 2049 | rVB2 | 20352623 | 28038942 | 34.45% | 3.975% |
| 55 | 13.397 | 2049 | 2052 | 2055 | rBV2 | 1444192  | 1735164  | 2.13%  | 0.246% |
| 56 | 13.476 | 2061 | 2065 | 2071 | rVB  | 3604176  | 4386442  | 5.39%  | 0.622% |
| 57 | 13.555 | 2073 | 2078 | 2081 | rBV2 | 831426   | 1117326  | 1.37%  | 0.158% |
| 58 | 13.598 | 2081 | 2085 | 2088 | rVV  | 1732329  | 2464935  | 3.03%  | 0.349% |
| 59 | 13.635 | 2088 | 2091 | 2097 | rVV2 | 1899749  | 3537806  | 4.35%  | 0.501% |
| 60 | 13.720 | 2097 | 2105 | 2110 | rVB2 | 1691788  | 3650480  | 4.49%  | 0.517% |
| 61 | 13.830 | 2115 | 2123 | 2132 | rVV2 | 29802160 | 40827442 | 50.17% | 5.787% |
| 62 | 13.976 | 2142 | 2147 | 2151 | rVV2 | 701913   | 970474   | 1.19%  | 0.138% |
| 63 | 14.128 | 2167 | 2172 | 2178 | rBV  | 1297026  | 1578999  | 1.94%  | 0.224% |
| 64 | 14.269 | 2191 | 2195 | 2200 | rBV  | 969029   | 1527406  | 1.88%  | 0.217% |
| 65 | 14.427 | 2217 | 2221 | 2225 | rVB  | 672014   | 819888   | 1.01%  | 0.116% |
| 66 | 14.689 | 2260 | 2264 | 2275 | rVB  | 8450923  | 10597161 | 13.02% | 1.502% |
| 67 | 14.836 | 2283 | 2288 | 2304 | rVB  | 5364013  | 6433098  | 7.91%  | 0.912% |

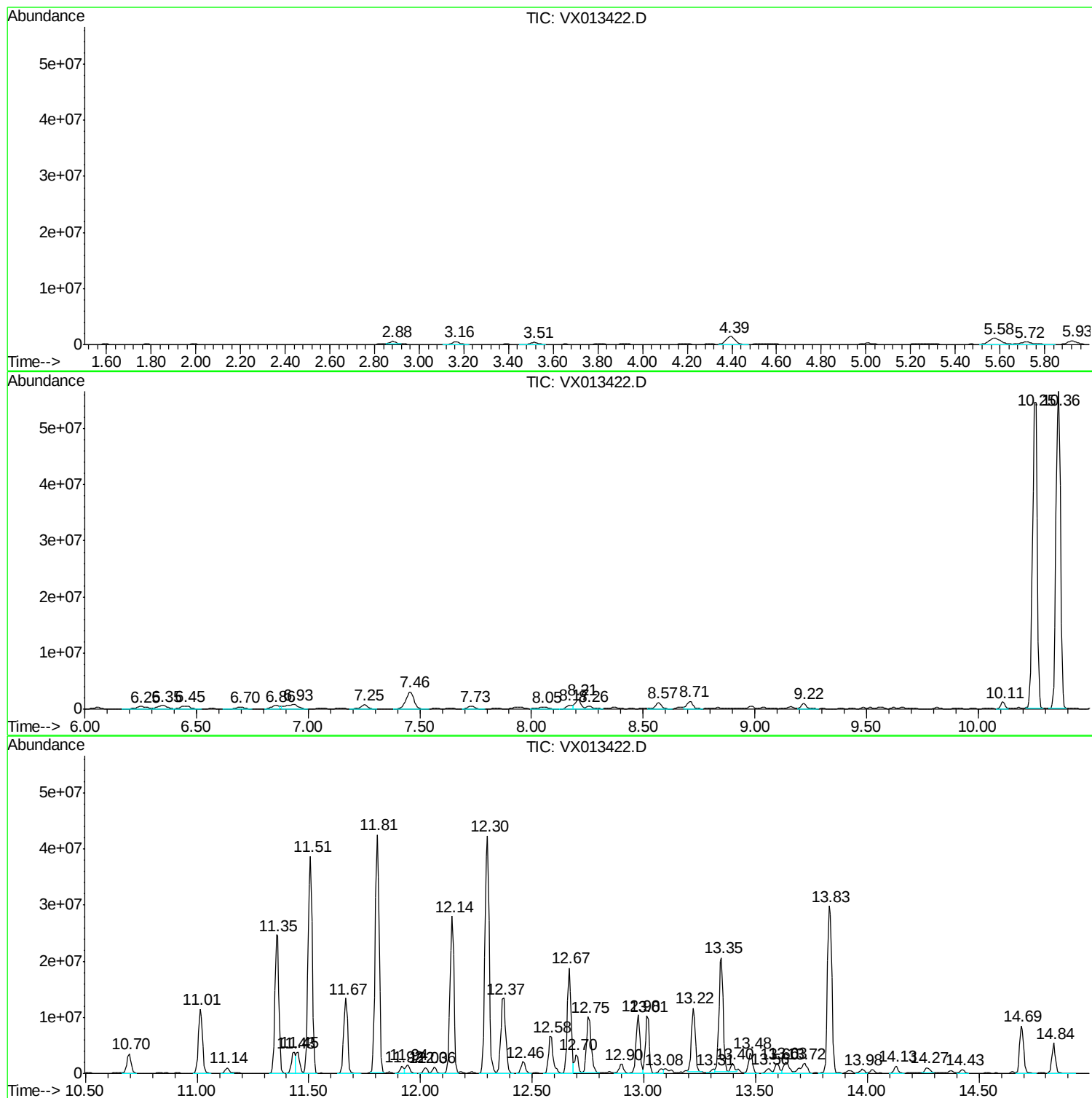
Sum of corrected areas: 705449383

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

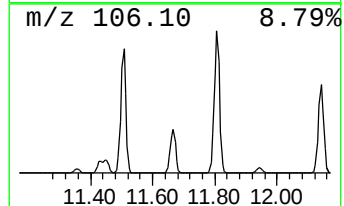
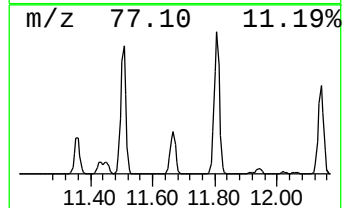
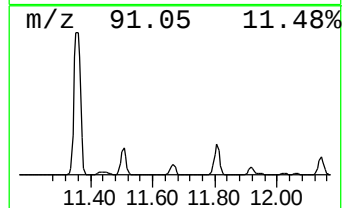
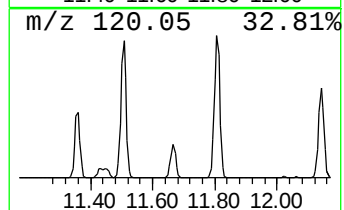
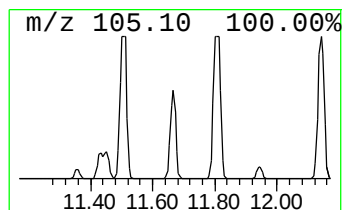
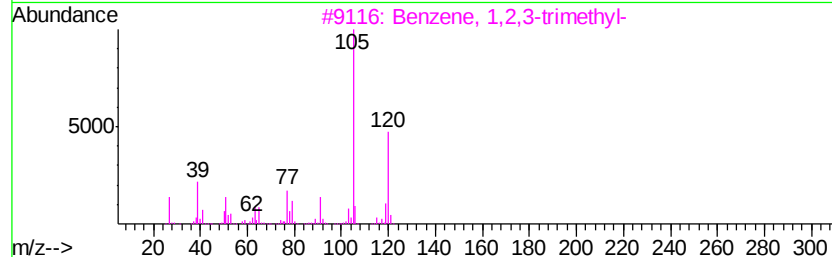
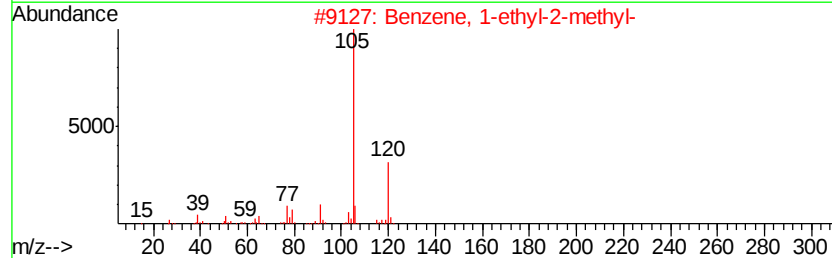
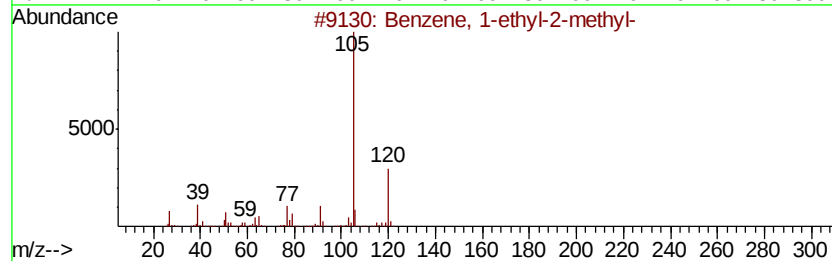
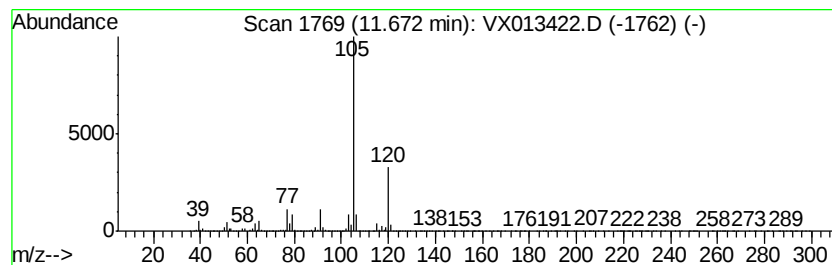
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 11.67 | 319.84 ug/l | 16683600 | Chlorobenzene-d5 | 10.11 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 3    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 4    |    | Benzene, 1,3,5-trimethyl-  | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

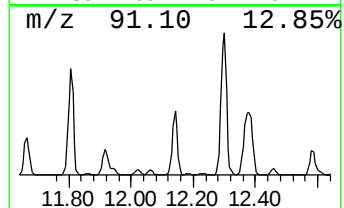
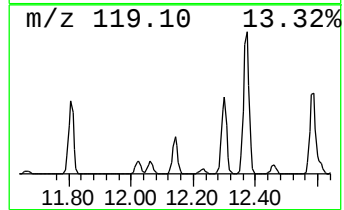
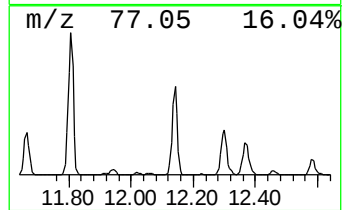
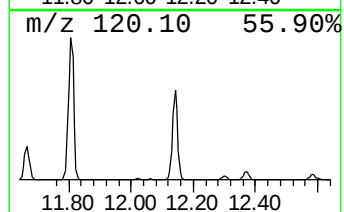
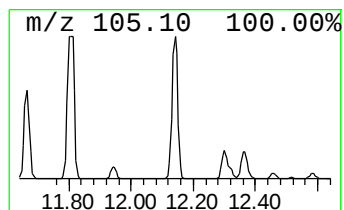
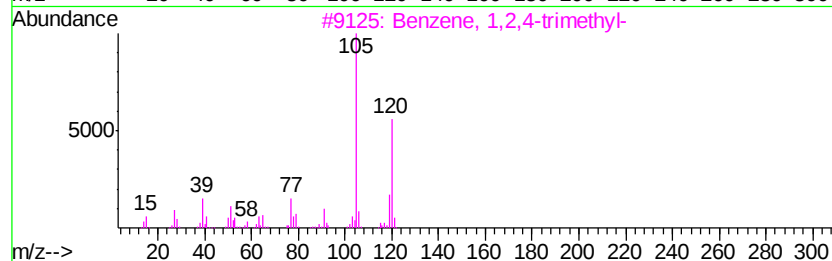
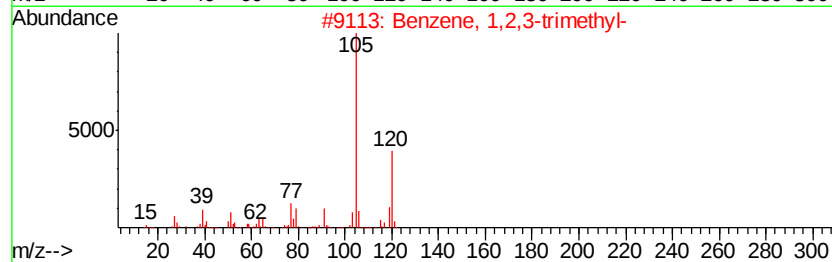
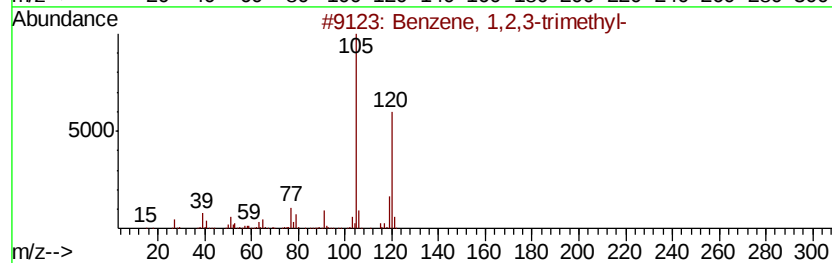
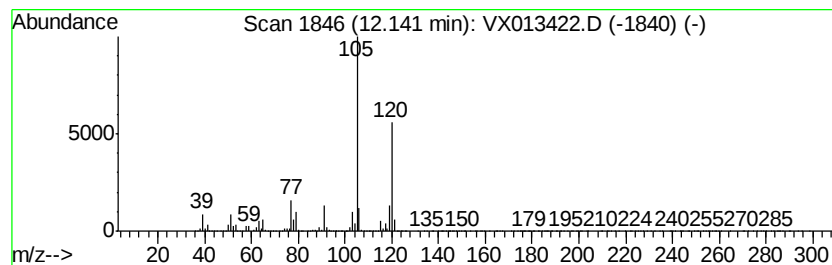
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 2

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 12.14 | 661.99 ug/l | 34530500 | Chlorobenzene-d5 | 10.11 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 97   |
| 2    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 3    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 93   |
| 4    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 93   |
| 5    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

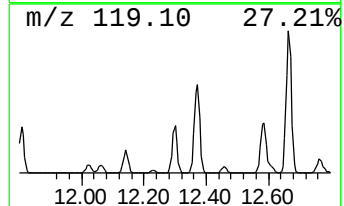
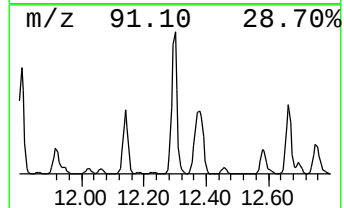
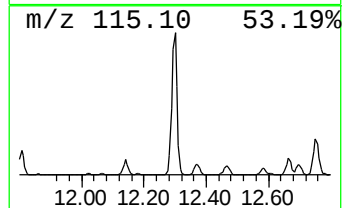
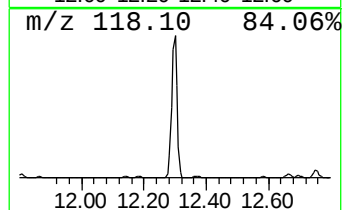
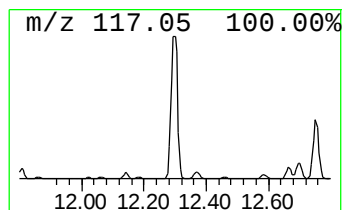
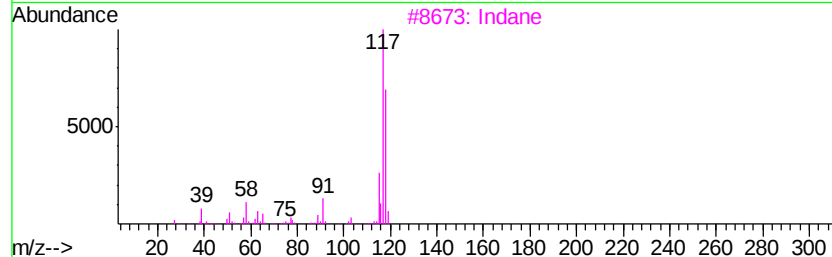
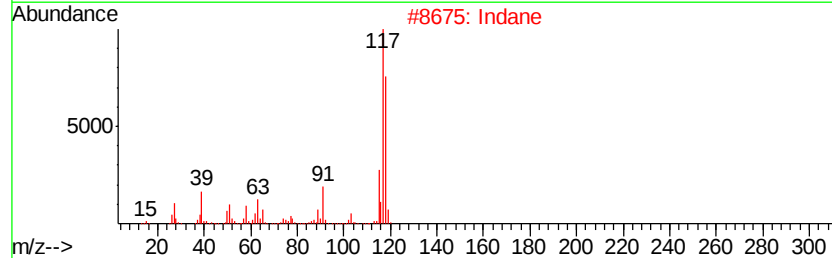
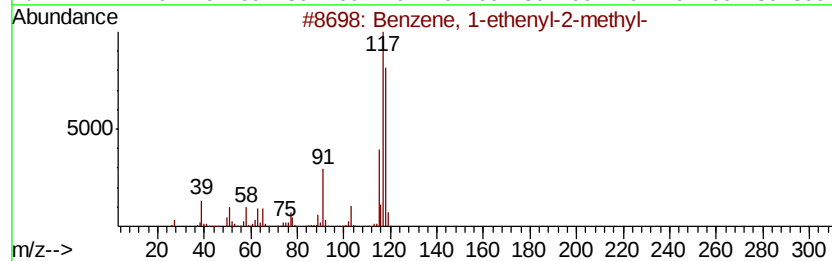
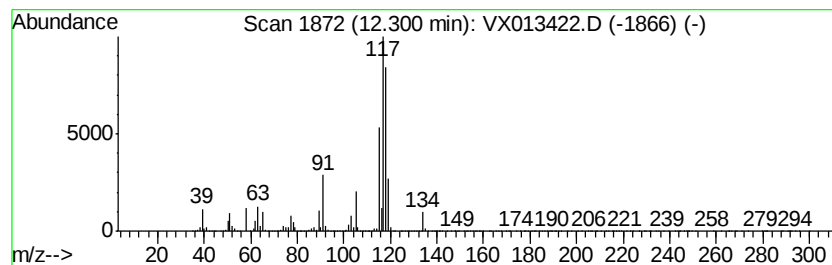
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc      | Area     | Relative to ISTD | R.T.  |
|-------|--------------|----------|------------------|-------|
| 12.30 | 1062.80 ug/l | 55437700 | Chlorobenzene-d5 | 10.11 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 95   |
| 2    |    | Indane                       | 118 | C9H10   | 000496-11-7 | 93   |
| 3    |    | Indane                       | 118 | C9H10   | 000496-11-7 | 92   |
| 4    |    | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 91   |
| 5    |    | Indane                       | 118 | C9H10   | 000496-11-7 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

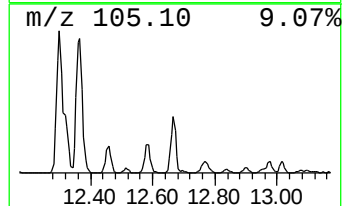
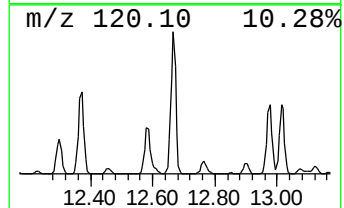
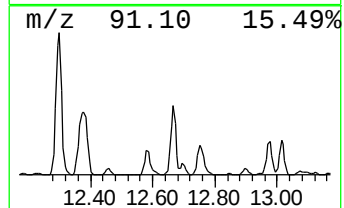
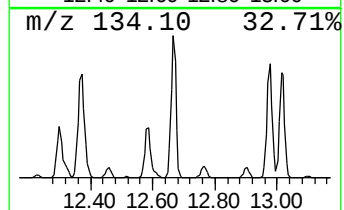
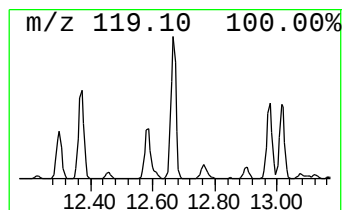
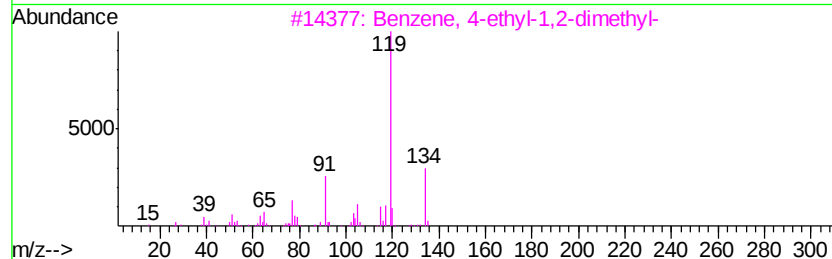
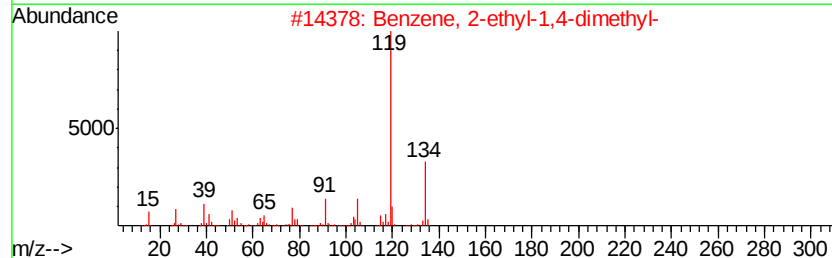
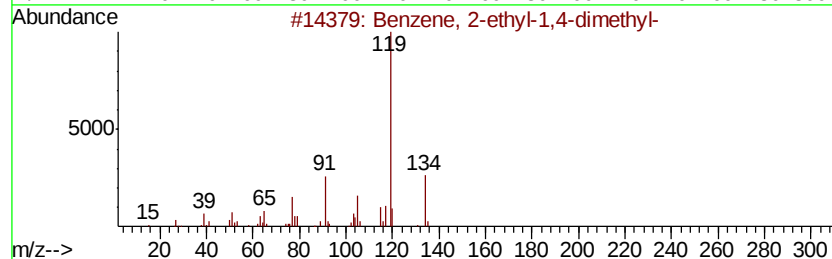
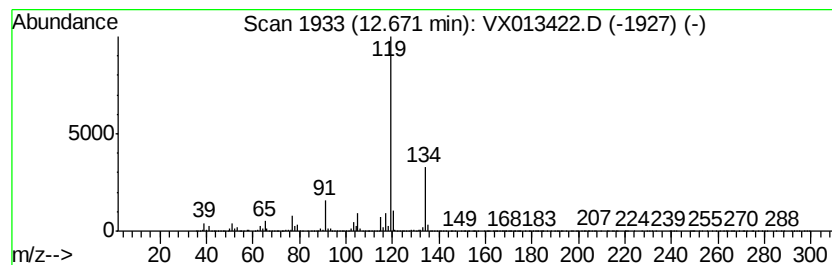
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 12.67 | 414.68 ug/l | 21630700 | Chlorobenzene-d5 | 10.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 96   |
| 2    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 95   |
| 3    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |
| 4    |    | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

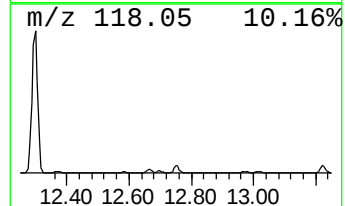
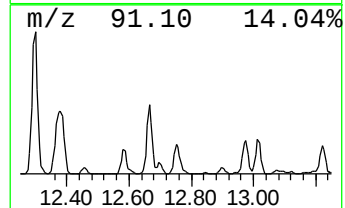
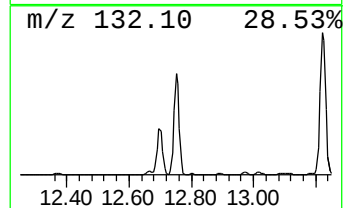
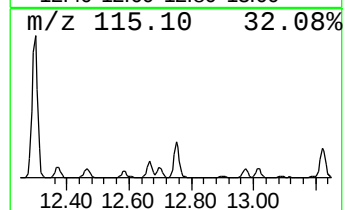
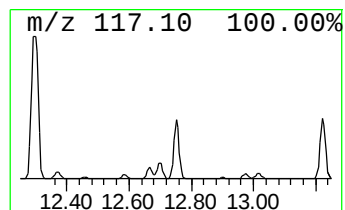
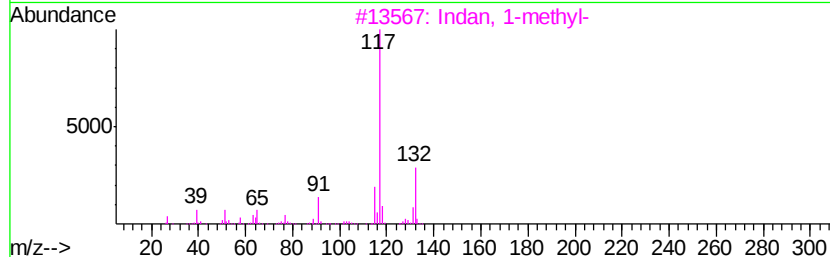
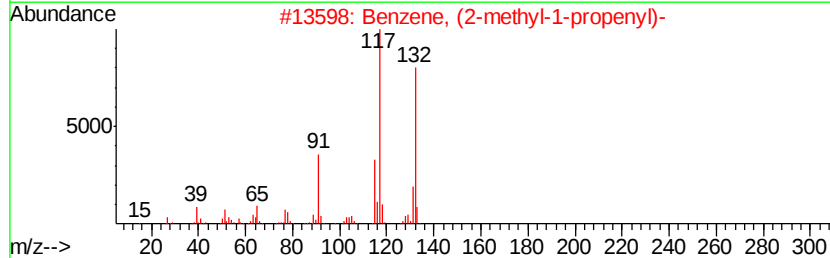
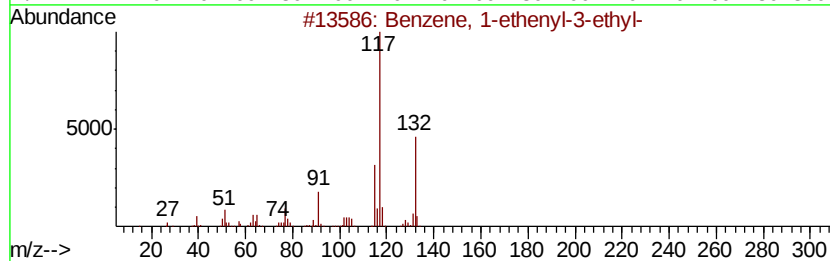
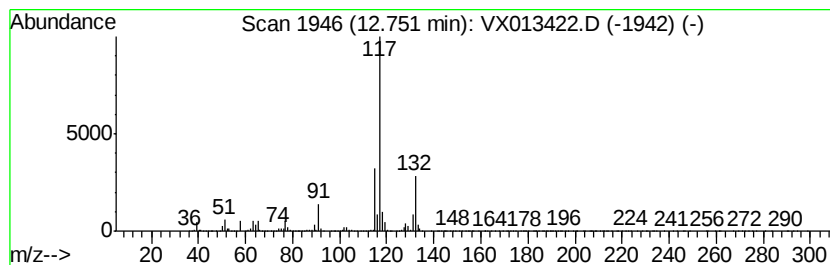
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 12.75 | 273.85 ug/l | 14284700 | Chlorobenzene-d5 | 10.11 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4 | 90   |
| 2    |    | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0 | 90   |
| 3    |    | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8 | 87   |
| 4    |    | 1-Phenyl-1-butene               | 132 | C10H12  | 000824-90-8 | 87   |
| 5    |    | Benzene, 1-ethenyl-4-ethyl-     | 132 | C10H12  | 003454-07-7 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

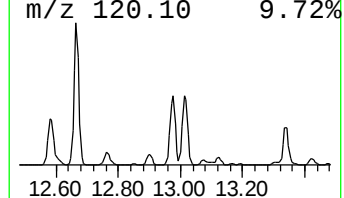
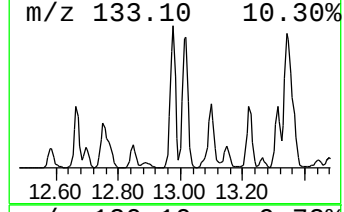
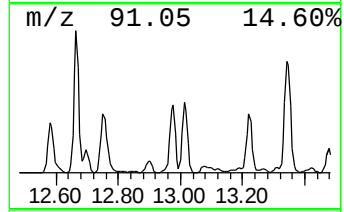
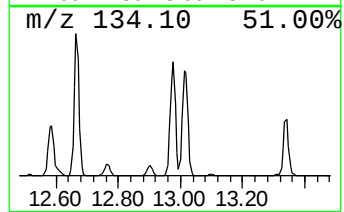
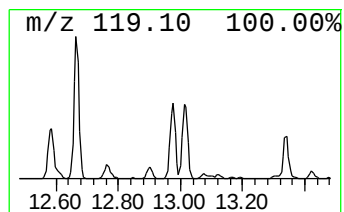
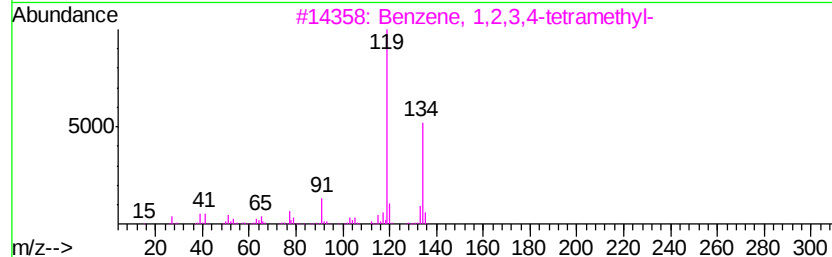
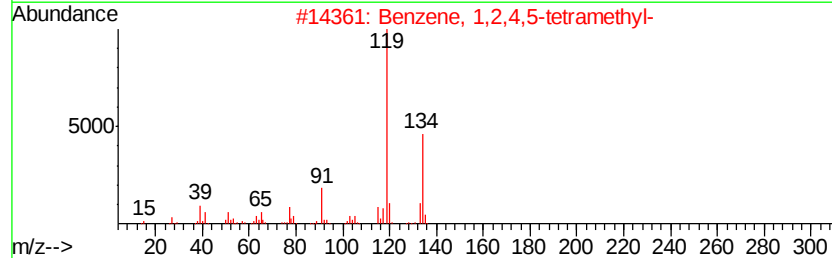
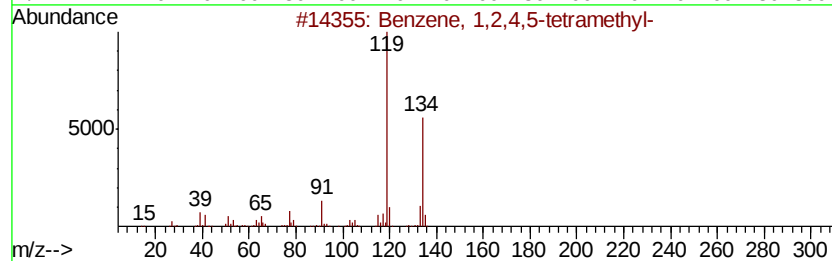
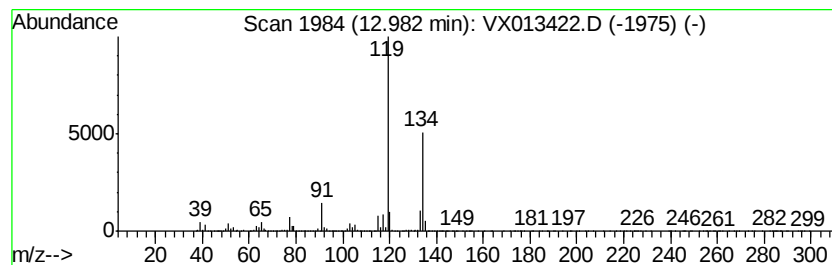
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 12.98 | 242.10 ug/l | 12628300 | Chlorobenzene-d5 | 10.11 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 97   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 97   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 97   |
| 4    |    | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 97   |
| 5    |    | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14  | 000527-53-7 | 96   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

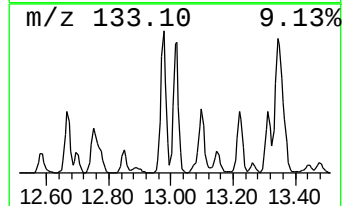
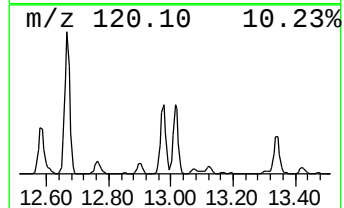
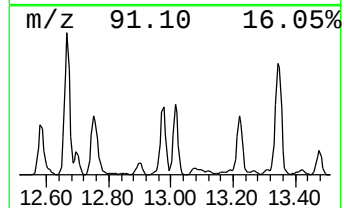
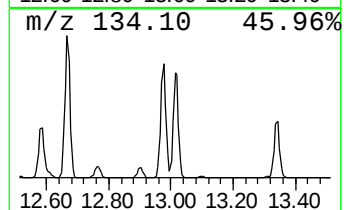
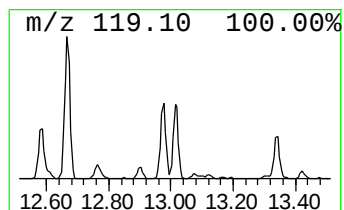
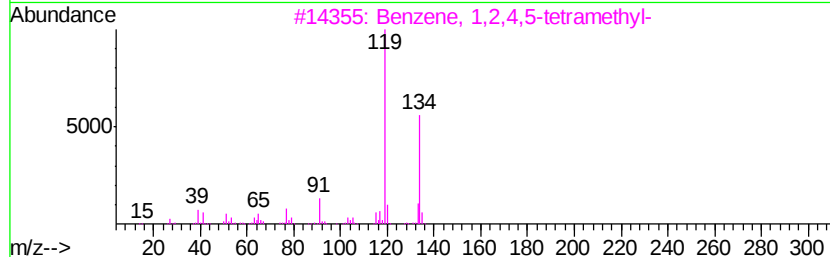
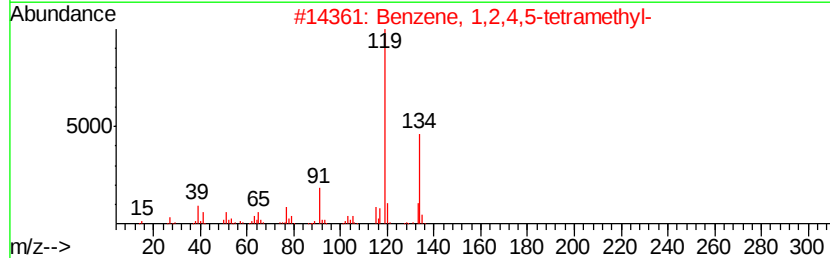
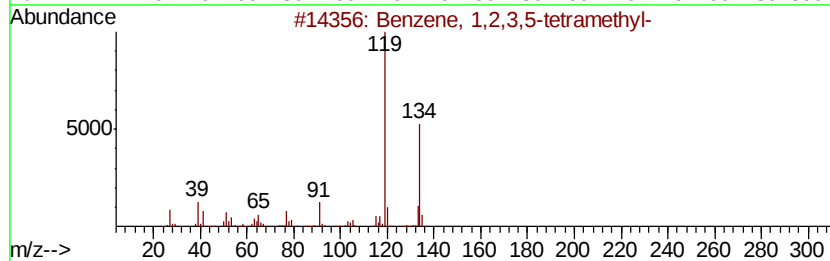
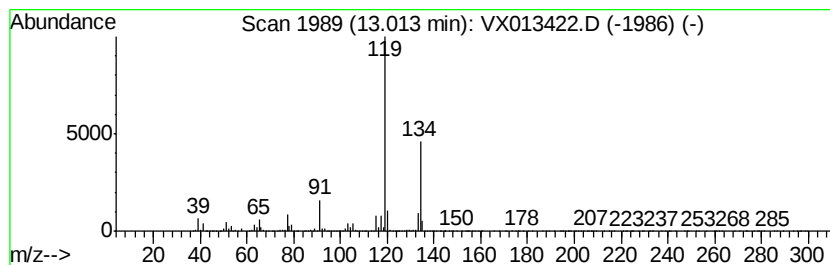
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 13.01 | 233.42 ug/l | 12175600 | Chlorobenzene-d5 | 10.11 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14  | 000527-53-7 | 97   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 97   |
| 3    |    | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 97   |
| 4    |    | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 97   |
| 5    |    | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 97   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

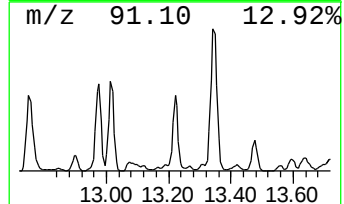
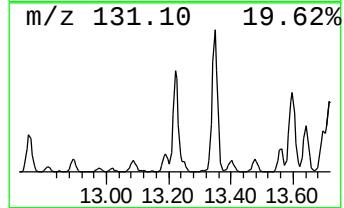
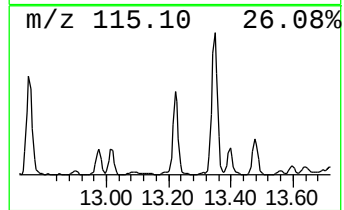
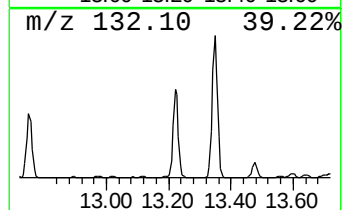
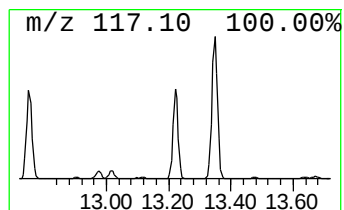
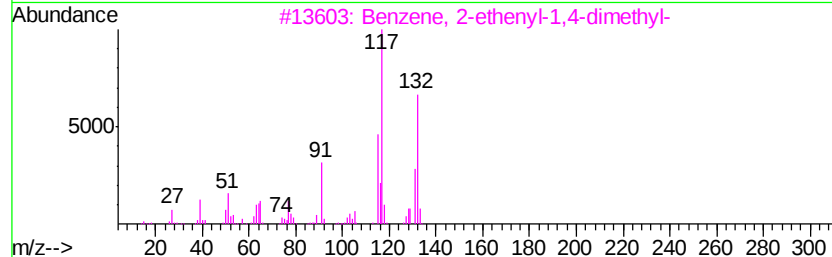
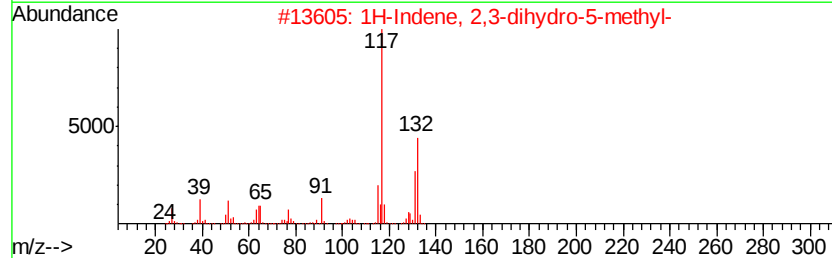
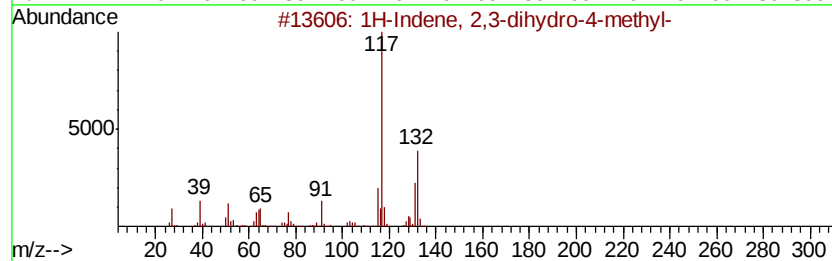
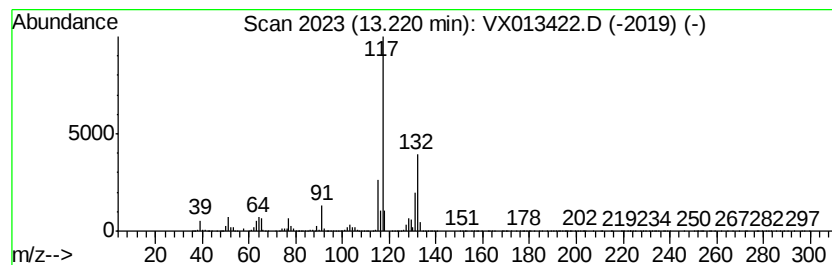
Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 7

| R.T.    | EstConc     | Area                             | Relative to ISTD | R.T.    |             |      |
|---------|-------------|----------------------------------|------------------|---------|-------------|------|
| 13.22   | 257.96 ug/l | 13455600                         | Chlorobenzene-d5 | 10.11   |             |      |
| Hit# of | 5           | Tentative ID                     | MW               | MolForm | CAS#        | Qual |
| 1       |             | 1H-Indene, 2,3-dihydro-4-methyl- | 132              | C10H12  | 000824-22-6 | 95   |
| 2       |             | 1H-Indene, 2,3-dihydro-5-methyl- | 132              | C10H12  | 000874-35-1 | 92   |
| 3       |             | Benzene, 2-ethenyl-1,4-dimethyl- | 132              | C10H12  | 002039-89-6 | 92   |
| 4       |             | Indan, 1-methyl-                 | 132              | C10H12  | 000767-58-8 | 90   |
| 5       |             | 3-Phenylbut-1-ene                | 132              | C10H12  | 000934-10-1 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

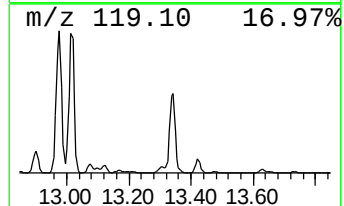
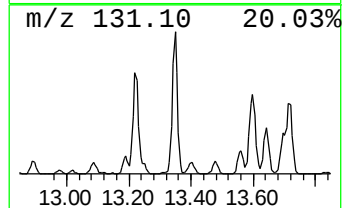
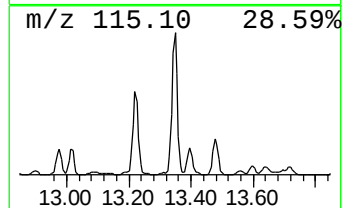
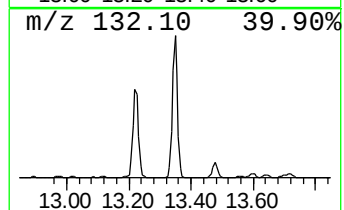
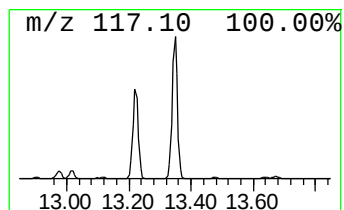
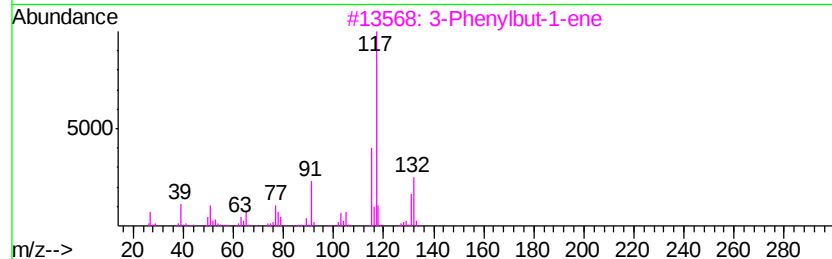
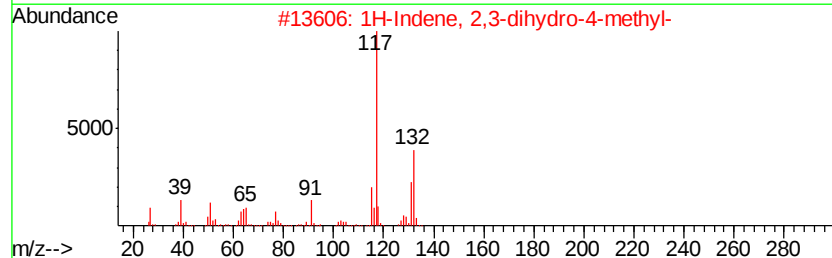
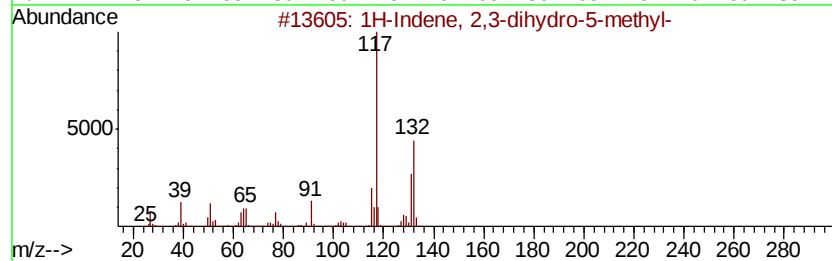
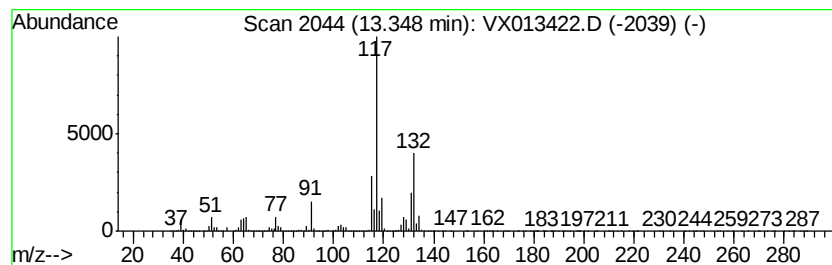
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 3

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 13.35 | 537.54 ug/l | 28038900 | Chlorobenzene-d5 | 10.11 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 91   |
| 2       |   | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 90   |
| 3       |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 90   |
| 4       |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 90   |
| 5       |   | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

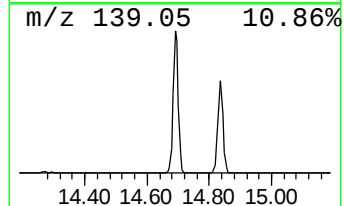
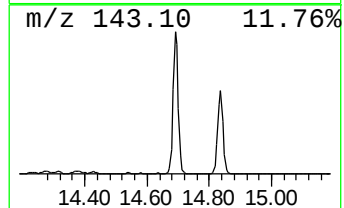
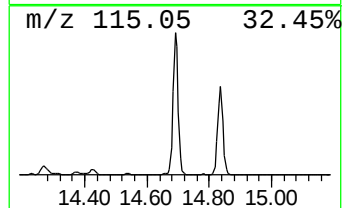
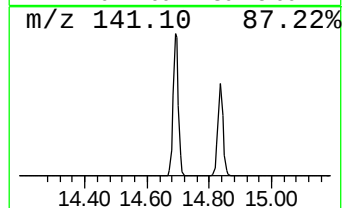
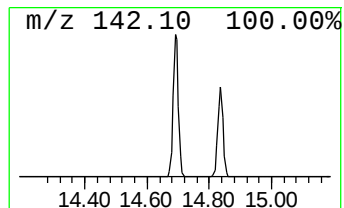
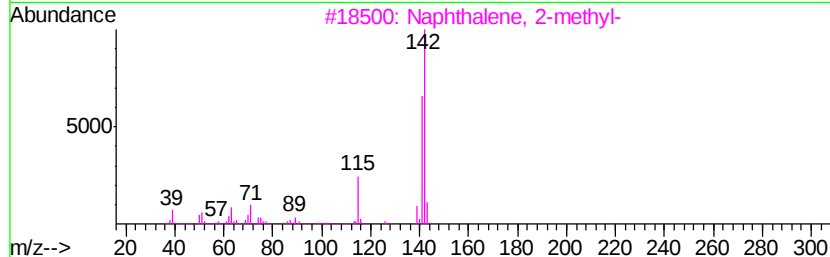
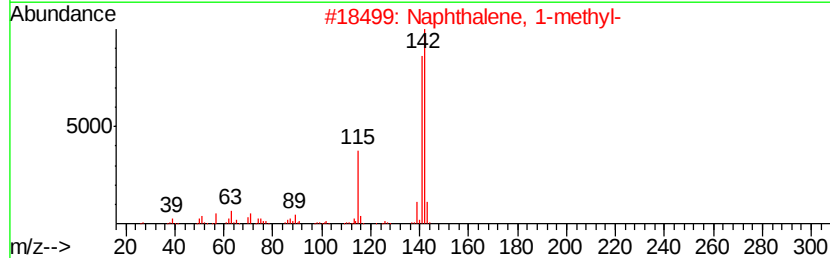
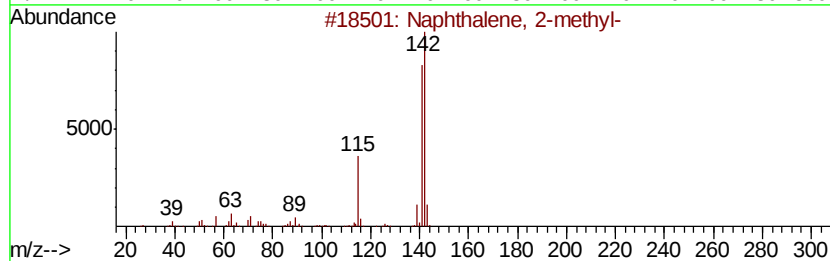
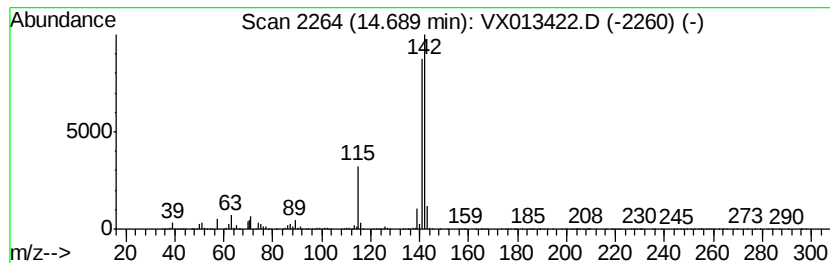
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 10

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 14.69 | 203.16 ug/l | 10597200 | Chlorobenzene-d5 | 10.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 94   |
| 4    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 94   |
| 5    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111419\  
Data File : VX013422.D  
Acq On : 14 Nov 2019 15:12  
Operator : JC/SP  
Sample : K5804-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GE-MW-58-1S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X111119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1-ethyl-... | 11.67 | 319.8   | ug/l  | 16683600 | 3                     | 10.11 | 1564860 | 30.0 |
| Benzene, 1,2,3-tr... | 12.14 | 662.0   | ug/l  | 34530500 | 3                     | 10.11 | 1564860 | 30.0 |
| Benzene, 1-etheny... | 12.30 | 1062.8  | ug/l  | 55437700 | 3                     | 10.11 | 1564860 | 30.0 |
| Benzene, 2-ethyl-... | 12.67 | 414.7   | ug/l  | 21630700 | 3                     | 10.11 | 1564860 | 30.0 |
| Benzene, 1-etheny... | 12.75 | 273.9   | ug/l  | 14284700 | 3                     | 10.11 | 1564860 | 30.0 |
| Benzene, 1,2,4,5-... | 12.98 | 242.1   | ug/l  | 12628300 | 3                     | 10.11 | 1564860 | 30.0 |
| Benzene, 1,2,3,5-... | 13.01 | 233.4   | ug/l  | 12175600 | 3                     | 10.11 | 1564860 | 30.0 |
| 1H-Indene, 2,3-di... | 13.22 | 258.0   | ug/l  | 13455600 | 3                     | 10.11 | 1564860 | 30.0 |
| 1H-Indene, 2,3-di... | 13.35 | 537.5   | ug/l  | 28038900 | 3                     | 10.11 | 1564860 | 30.0 |
| Naphthalene, 1-me... | 14.69 | 203.2   | ug/l  | 10597200 | 3                     | 10.11 | 1564860 | 30.0 |