

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110824\  
 Data File : VY020229.D  
 Acq On : 08 Nov 2024 13:38  
 Operator : SY/MD  
 Sample : P4739-15  
 Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-11-VOC

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % 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\_Y\methods\82Y103024S.M

Title : SW846 8260

Signal : TIC: VY020229.D\data.ms

| 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         | 2.482       | 116           | 125         | 134          | rBV7     | 5389           | 20040         | 1.23%           | 0.160%        |
| 2         | 6.896       | 836           | 849         | 861          | rBV2     | 19597          | 69140         | 4.24%           | 0.553%        |
| 3         | 7.640       | 960           | 971         | 976          | rBV      | 207889         | 510828        | 31.33%          | 4.085%        |
| 4         | 7.707       | 976           | 982         | 991          | rVV      | 321454         | 751923        | 46.12%          | 6.014%        |
| 5         | 7.786       | 991           | 995         | 1005         | rVB3     | 10643          | 25802         | 1.58%           | 0.206%        |
| 6         | 7.920       | 1010          | 1017        | 1027         | rBV5     | 8565           | 22170         | 1.36%           | 0.177%        |
| 7         | 8.061       | 1027          | 1040        | 1051         | rBV      | 203453         | 452294        | 27.74%          | 3.617%        |
| 8         | 8.250       | 1064          | 1071        | 1079         | rVB2     | 15364          | 39699         | 2.43%           | 0.317%        |
| 9         | 8.469       | 1100          | 1107        | 1116         | rVB2     | 8513           | 19958         | 1.22%           | 0.160%        |
| 10        | 8.615       | 1123          | 1131        | 1144         | rBV      | 566687         | 1130518       | 69.34%          | 9.042%        |
| 11        | 9.115       | 1200          | 1213        | 1219         | rBV4     | 16283          | 42548         | 2.61%           | 0.340%        |
| 12        | 9.548       | 1276          | 1284        | 1291         | rBV2     | 12937          | 28608         | 1.75%           | 0.229%        |
| 13        | 9.682       | 1293          | 1306        | 1311         | rBV2     | 19506          | 45081         | 2.76%           | 0.361%        |
| 14        | 9.749       | 1312          | 1317        | 1321         | rBV4     | 16614          | 30859         | 1.89%           | 0.247%        |
| 15        | 9.890       | 1328          | 1340        | 1352         | rVB3     | 19676          | 53731         | 3.30%           | 0.430%        |
| 16        | 10.109      | 1368          | 1376        | 1384         | rBV      | 926974         | 1630418       | 100.00%         | 13.040%       |
| 17        | 10.298      | 1399          | 1407        | 1413         | rVB3     | 32379          | 66761         | 4.09%           | 0.534%        |
| 18        | 10.444      | 1426          | 1431        | 1437         | rVB3     | 18473          | 34049         | 2.09%           | 0.272%        |
| 19        | 10.548      | 1443          | 1448        | 1453         | rVB5     | 10663          | 21326         | 1.31%           | 0.171%        |
| 20        | 10.828      | 1489          | 1494        | 1498         | rBV3     | 9139           | 17160         | 1.05%           | 0.137%        |
| 21        | 10.963      | 1512          | 1516        | 1520         | rVB2     | 23399          | 35528         | 2.18%           | 0.284%        |
| 22        | 11.017      | 1520          | 1525        | 1529         | rVB2     | 18349          | 30238         | 1.85%           | 0.242%        |
| 23        | 11.133      | 1538          | 1544        | 1548         | rBV5     | 10279          | 18594         | 1.14%           | 0.149%        |
| 24        | 11.206      | 1548          | 1556        | 1568         | rVB7     | 27834          | 76474         | 4.69%           | 0.612%        |
| 25        | 11.310      | 1568          | 1573        | 1577         | rBV      | 19779          | 32899         | 2.02%           | 0.263%        |
| 26        | 11.414      | 1583          | 1590        | 1601         | rBV      | 863827         | 1412197       | 86.62%          | 11.294%       |
| 27        | 11.511      | 1601          | 1606        | 1611         | rBV4     | 18924          | 38575         | 2.37%           | 0.309%        |
| 28        | 11.639      | 1616          | 1627        | 1635         | rBV3     | 122774         | 319663        | 19.61%          | 2.557%        |
| 29        | 11.706      | 1635          | 1638        | 1644         | rVB2     | 21257          | 32664         | 2.00%           | 0.261%        |
| 30        | 11.859      | 1659          | 1663        | 1667         | rVB2     | 17433          | 25714         | 1.58%           | 0.206%        |
| 31        | 11.932      | 1667          | 1675        | 1682         | rBV7     | 75158          | 226533        | 13.89%          | 1.812%        |
| 32        | 12.048      | 1690          | 1694        | 1698         | rVB2     | 58943          | 81009         | 4.97%           | 0.648%        |
| 33        | 12.096      | 1698          | 1702        | 1703         | rBV2     | 15253          | 22065         | 1.35%           | 0.176%        |
| 34        | 12.127      | 1703          | 1707        | 1710         | rBV4     | 67373          | 105784        | 6.49%           | 0.846%        |
| 35        | 12.170      | 1710          | 1714        | 1719         | rVB4     | 71738          | 134376        | 8.24%           | 1.075%        |
| 36        | 12.304      | 1732          | 1736        | 1739         | rBV4     | 25417          | 47942         | 2.94%           | 0.383%        |

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-11-VOC

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |         |        |         |
|----|--------|------|------|------|-------|--------|---------|--------|---------|
| 37 | 12.340 | 1739 | 1742 | 1744 | rVV2  | 40321  | 51049   | 3.13%  | 0.408%  |
| 38 | 12.407 | 1748 | 1753 | 1758 | rVV   | 623257 | 973095  | 59.68% | 7.782%  |
| 39 | 12.450 | 1758 | 1760 | 1763 | rVV3  | 31454  | 31902   | 1.96%  | 0.255%  |
| 40 | 12.493 | 1763 | 1767 | 1771 | rVB7  | 14735  | 28820   | 1.77%  | 0.230%  |
| 41 | 12.566 | 1775 | 1779 | 1788 | rVB4  | 81080  | 181895  | 11.16% | 1.455%  |
| 42 | 12.657 | 1788 | 1794 | 1797 | rBV2  | 129162 | 214899  | 13.18% | 1.719%  |
| 43 | 12.688 | 1797 | 1799 | 1801 | rVV2  | 45379  | 61643   | 3.78%  | 0.493%  |
| 44 | 12.731 | 1801 | 1806 | 1812 | rVV2  | 420264 | 695844  | 42.68% | 5.565%  |
| 45 | 12.785 | 1812 | 1815 | 1821 | rVB3  | 42105  | 61087   | 3.75%  | 0.489%  |
| 46 | 12.895 | 1826 | 1833 | 1838 | rBV3  | 61304  | 143945  | 8.83%  | 1.151%  |
| 47 | 12.962 | 1841 | 1844 | 1852 | rVB2  | 66805  | 115030  | 7.06%  | 0.920%  |
| 48 | 13.041 | 1852 | 1857 | 1863 | rBV   | 280846 | 427286  | 26.21% | 3.417%  |
| 49 | 13.096 | 1863 | 1866 | 1872 | rVB7  | 13089  | 22244   | 1.36%  | 0.178%  |
| 50 | 13.169 | 1872 | 1878 | 1882 | rBV6  | 19902  | 35678   | 2.19%  | 0.285%  |
| 51 | 13.237 | 1882 | 1889 | 1894 | rBV3  | 44755  | 82974   | 5.09%  | 0.664%  |
| 52 | 13.291 | 1894 | 1898 | 1901 | rVB3  | 18771  | 24609   | 1.51%  | 0.197%  |
| 53 | 13.346 | 1901 | 1907 | 1918 | rBV2  | 710102 | 1289244 | 79.07% | 10.311% |
| 54 | 13.547 | 1936 | 1940 | 1943 | rBV2  | 27286  | 35695   | 2.19%  | 0.285%  |
| 55 | 13.590 | 1943 | 1947 | 1955 | rVB3  | 22643  | 45973   | 2.82%  | 0.368%  |
| 56 | 13.675 | 1955 | 1961 | 1965 | rBV2  | 54417  | 84313   | 5.17%  | 0.674%  |
| 57 | 13.889 | 1992 | 1996 | 2001 | rVB3  | 29171  | 47676   | 2.92%  | 0.381%  |
| 58 | 13.999 | 2010 | 2014 | 2018 | rVB5  | 13887  | 20185   | 1.24%  | 0.161%  |
| 59 | 14.194 | 2038 | 2046 | 2048 | rBV9  | 9093   | 21937   | 1.35%  | 0.175%  |
| 60 | 14.596 | 2106 | 2112 | 2117 | rVV8  | 16152  | 30732   | 1.88%  | 0.246%  |
| 61 | 14.651 | 2117 | 2121 | 2127 | rVB6  | 14769  | 24729   | 1.52%  | 0.198%  |
| 62 | 15.126 | 2195 | 2199 | 2206 | rBV8  | 12583  | 24822   | 1.52%  | 0.199%  |
| 63 | 15.224 | 2209 | 2215 | 2224 | rVV4  | 16003  | 31126   | 1.91%  | 0.249%  |
| 64 | 16.047 | 2345 | 2350 | 2356 | rBV4  | 13141  | 22993   | 1.41%  | 0.184%  |
| 65 | 16.364 | 2396 | 2402 | 2407 | rBV10 | 9479   | 19051   | 1.17%  | 0.152%  |

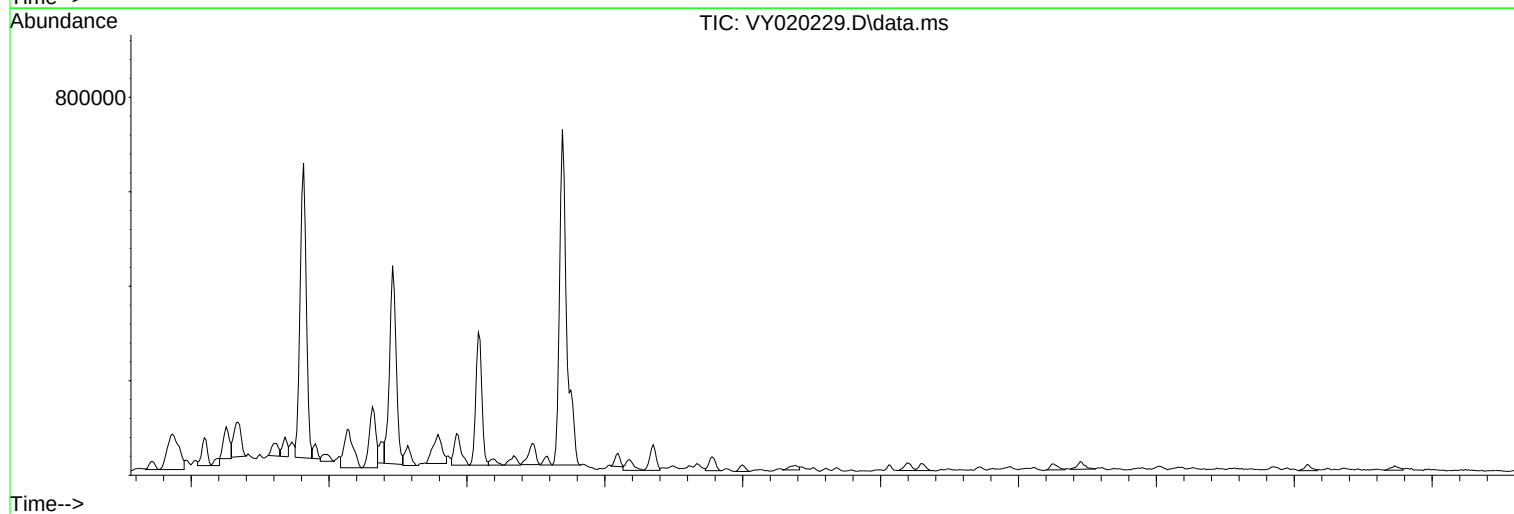
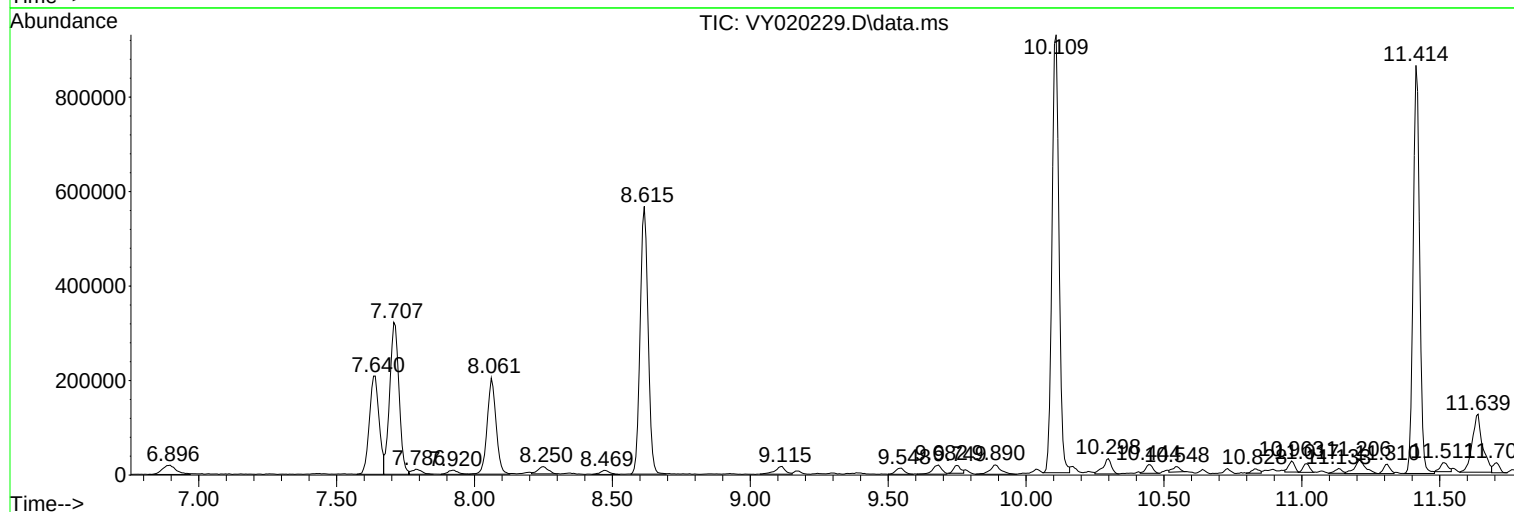
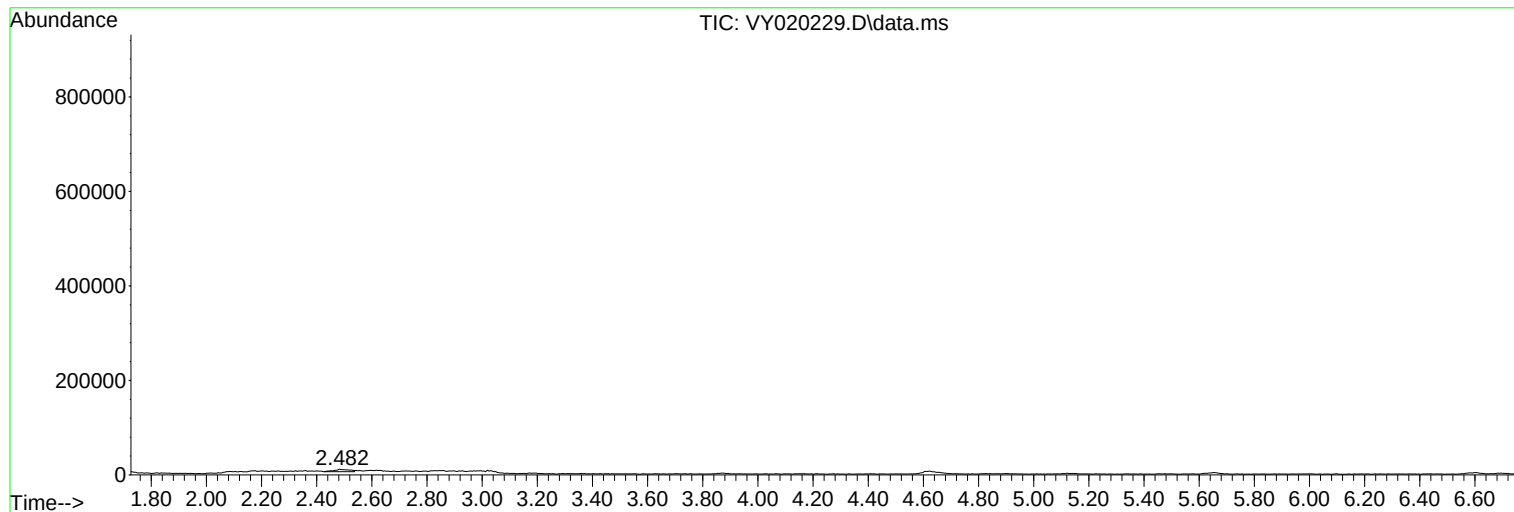
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-11-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Instrument :  
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

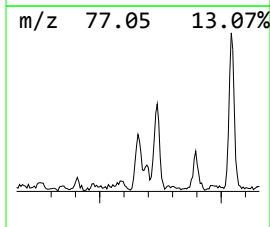
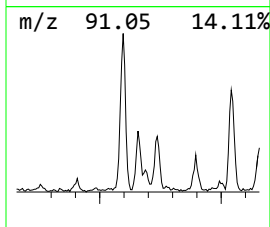
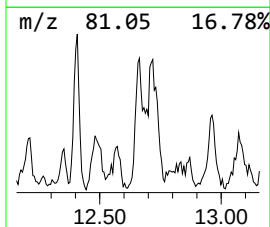
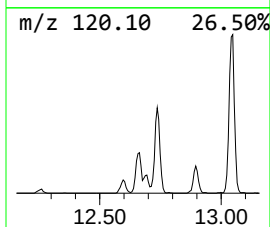
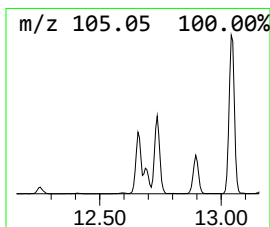
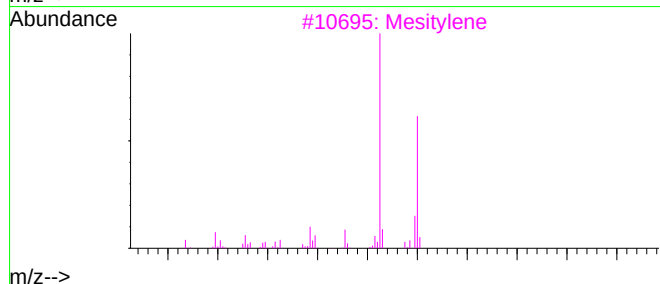
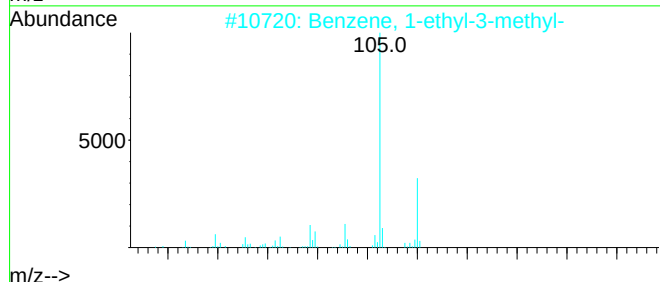
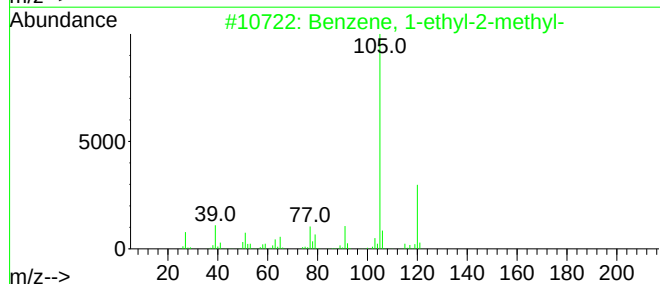
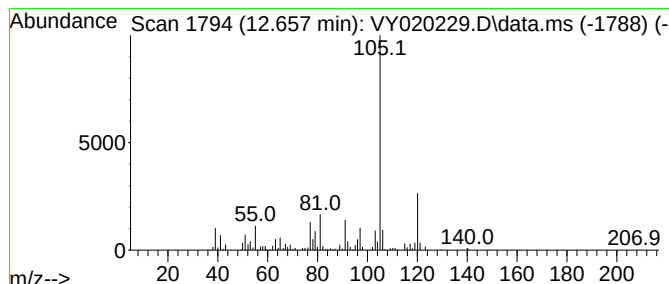
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.657 | 8.33 ug/l | 214899 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|-----------|----------------------------|-----|---------|-------------|------|
| 1         | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2         | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 93   |
| 3         | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 87   |
| 4         | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 87   |
| 5         | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 81   |



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MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260

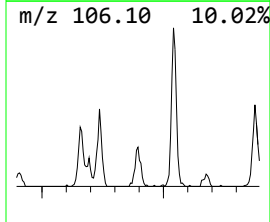
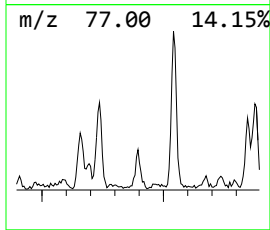
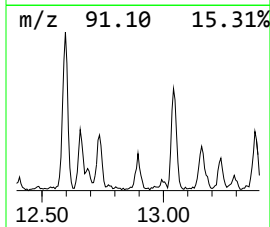
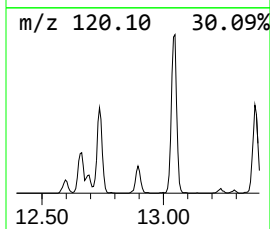
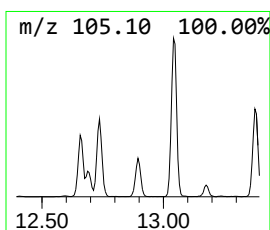
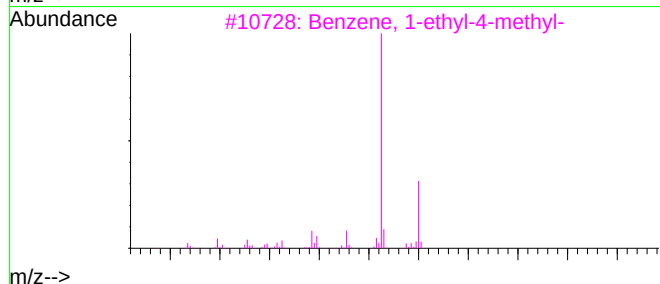
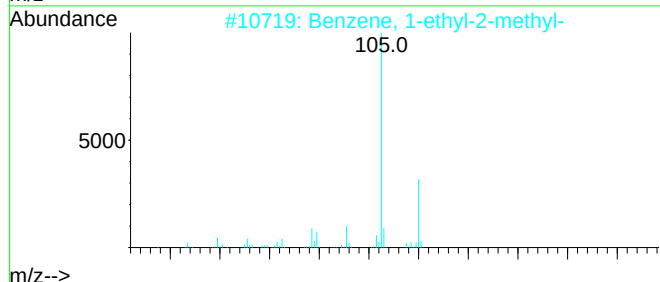
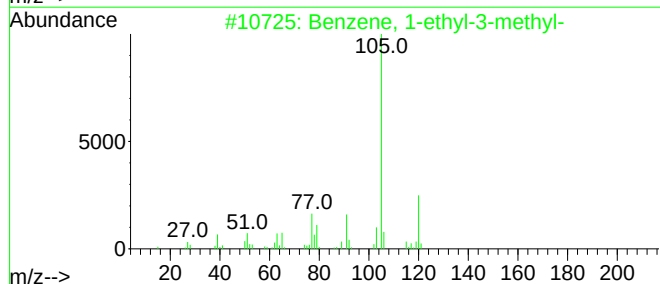
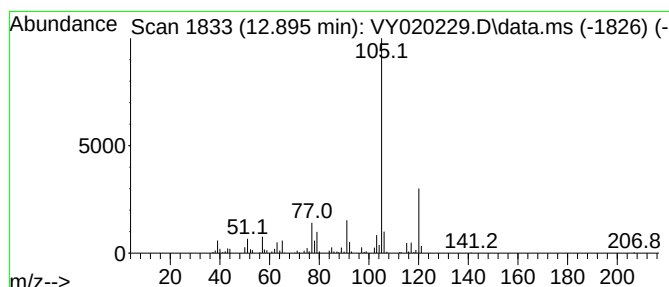
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

| R.T.      | EstConc                    | Area   | Relative to ISTD       |         | R.T.        |      |
|-----------|----------------------------|--------|------------------------|---------|-------------|------|
| 12.895    | 5.58 ug/l                  | 143945 | 1,4-Dichlorobenzene-d4 |         | 13.346      |      |
| Hit# of 5 | Tentative ID               |        | MW                     | MolForm | CAS#        | Qual |
| 1         | Benzene, 1-ethyl-3-methyl- |        | 120                    | C9H12   | 000620-14-4 | 91   |
| 2         | Benzene, 1-ethyl-2-methyl- |        | 120                    | C9H12   | 000611-14-3 | 91   |
| 3         | Benzene, 1-ethyl-4-methyl- |        | 120                    | C9H12   | 000622-96-8 | 91   |
| 4         | Mesitylene                 |        | 120                    | C9H12   | 000108-67-8 | 91   |
| 5         | Benzene, 1,2,3-trimethyl-  |        | 120                    | C9H12   | 000526-73-8 | 91   |



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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Benzene, 1-ethy... | 12.657 | 8.3     | ug/l  | 214899   | 4                     | 13.346 | 1289240 | 50.0 |
| Benzene, 1-ethy... | 12.895 | 5.6     | ug/l  | 143945   | 4                     | 13.346 | 1289240 | 50.0 |