

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
 Data File : VX006008.D  
 Acq On : 15 Nov 2018 07:12  
 Operator : JC/MD  
 Sample : J5915-03  
 Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T-3

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\_X\METHOD\82X110718W.M

Title : SW846 8260

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         | 1.672       | 63            | 85          | 86           | rBV7     | 10932          | 46155         | 7.75%           | 0.608%        |
| 2         | 2.842       | 265           | 277         | 284          | rVB2     | 6830           | 18205         | 3.06%           | 0.240%        |
| 3         | 3.482       | 373           | 382         | 393          | rVB4     | 4067           | 9702          | 1.63%           | 0.128%        |
| 4         | 4.269       | 501           | 511         | 519          | rBV3     | 2822           | 8344          | 1.40%           | 0.110%        |
| 5         | 4.744       | 575           | 589         | 599          | rBV2     | 2536           | 9449          | 1.59%           | 0.124%        |
| 6         | 5.208       | 653           | 665         | 674          | rBV3     | 3593           | 11913         | 2.00%           | 0.157%        |
| 7         | 5.506       | 702           | 714         | 724          | rBV2     | 66207          | 213801        | 35.90%          | 2.815%        |
| 8         | 5.653       | 729           | 738         | 755          | rVB2     | 126118         | 402566        | 67.61%          | 5.300%        |
| 9         | 5.909       | 770           | 780         | 791          | rVB3     | 8020           | 23708         | 3.98%           | 0.312%        |
| 10        | 6.067       | 795           | 806         | 822          | rBV2     | 78284          | 216958        | 36.44%          | 2.856%        |
| 11        | 6.329       | 839           | 849         | 860          | rVB2     | 19105          | 56601         | 9.51%           | 0.745%        |
| 12        | 6.689       | 900           | 908         | 915          | rBV2     | 6886           | 16907         | 2.84%           | 0.223%        |
| 13        | 6.854       | 926           | 935         | 955          | rBV3     | 179412         | 483030        | 81.12%          | 6.360%        |
| 14        | 7.451       | 1022          | 1033        | 1042         | rVB5     | 4247           | 11186         | 1.88%           | 0.147%        |
| 15        | 7.567       | 1044          | 1052        | 1057         | rBV      | 5241           | 10981         | 1.84%           | 0.145%        |
| 16        | 7.628       | 1057          | 1062        | 1068         | rBV2     | 5611           | 10732         | 1.80%           | 0.141%        |
| 17        | 8.049       | 1121          | 1131        | 1140         | rVB      | 15180          | 31522         | 5.29%           | 0.415%        |
| 18        | 8.171       | 1144          | 1151        | 1159         | rBV      | 12677          | 27800         | 4.67%           | 0.366%        |
| 19        | 8.250       | 1159          | 1164        | 1169         | rVV2     | 7278           | 13801         | 2.32%           | 0.182%        |
| 20        | 8.335       | 1173          | 1178        | 1182         | rVV      | 11877          | 21300         | 3.58%           | 0.280%        |
| 21        | 8.372       | 1182          | 1184        | 1191         | rVB2     | 6070           | 8831          | 1.48%           | 0.116%        |
| 22        | 8.500       | 1199          | 1205        | 1209         | rBV      | 13264          | 22412         | 3.76%           | 0.295%        |
| 23        | 8.670       | 1225          | 1233        | 1234         | rBV3     | 10430          | 14676         | 2.46%           | 0.193%        |
| 24        | 8.713       | 1234          | 1240        | 1250         | rVB      | 358360         | 595465        | 100.00%         | 7.840%        |
| 25        | 8.969       | 1276          | 1282        | 1290         | rBV      | 14917          | 25489         | 4.28%           | 0.336%        |
| 26        | 9.439       | 1353          | 1359        | 1369         | rBV4     | 5365           | 9984          | 1.68%           | 0.131%        |
| 27        | 9.554       | 1374          | 1378        | 1385         | rBV4     | 7915           | 16525         | 2.78%           | 0.218%        |
| 28        | 9.957       | 1440          | 1444        | 1450         | rVB      | 23493          | 33919         | 5.70%           | 0.447%        |
| 29        | 10.060      | 1456          | 1461        | 1465         | rBV      | 19511          | 28157         | 4.73%           | 0.371%        |
| 30        | 10.115      | 1465          | 1470        | 1480         | rVV      | 350656         | 507845        | 85.29%          | 6.686%        |
| 31        | 10.256      | 1488          | 1493        | 1498         | rVB      | 22749          | 32430         | 5.45%           | 0.427%        |
| 32        | 10.359      | 1505          | 1510        | 1515         | rVV      | 65696          | 92339         | 15.51%          | 1.216%        |
| 33        | 10.414      | 1515          | 1519        | 1531         | rVB      | 25637          | 46547         | 7.82%           | 0.613%        |
| 34        | 10.640      | 1551          | 1556        | 1559         | rBV2     | 10186          | 12957         | 2.18%           | 0.171%        |

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 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T-3

## 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\_X\METHOD\82X110718W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 10.701 | 1559 | 1566 | 1575 | rVV2 | 12042  | 24936  | 4.19%  | 0.328% |
| 36 | 10.835 | 1580 | 1588 | 1592 | rBV2 | 10555  | 19122  | 3.21%  | 0.252% |
| 37 | 10.914 | 1592 | 1601 | 1605 | rBV2 | 8462   | 15661  | 2.63%  | 0.206% |
| 38 | 11.018 | 1612 | 1618 | 1623 | rBV  | 10392  | 16896  | 2.84%  | 0.222% |
| 39 | 11.085 | 1624 | 1629 | 1632 | rVV3 | 6923   | 10340  | 1.74%  | 0.136% |
| 40 | 11.140 | 1632 | 1638 | 1649 | rVB2 | 321031 | 483822 | 81.25% | 6.370% |
| 41 | 11.243 | 1649 | 1655 | 1659 | rBV  | 18064  | 22572  | 3.79%  | 0.297% |
| 42 | 11.359 | 1670 | 1674 | 1681 | rVB  | 45394  | 62727  | 10.53% | 0.826% |
| 43 | 11.438 | 1681 | 1687 | 1694 | rBV  | 138321 | 261162 | 43.86% | 3.438% |
| 44 | 11.511 | 1694 | 1699 | 1710 | rVB2 | 85866  | 159954 | 26.86% | 2.106% |
| 45 | 11.670 | 1720 | 1725 | 1731 | rBV  | 56945  | 78159  | 13.13% | 1.029% |
| 46 | 11.810 | 1743 | 1748 | 1755 | rVB  | 290256 | 364920 | 61.28% | 4.805% |
| 47 | 11.896 | 1755 | 1762 | 1764 | rBV2 | 8280   | 12262  | 2.06%  | 0.161% |
| 48 | 11.944 | 1768 | 1770 | 1774 | rVB  | 11020  | 12974  | 2.18%  | 0.171% |
| 49 | 11.987 | 1774 | 1777 | 1780 | rBV2 | 10871  | 14405  | 2.42%  | 0.190% |
| 50 | 12.030 | 1780 | 1784 | 1787 | rVB  | 15630  | 17795  | 2.99%  | 0.234% |
| 51 | 12.078 | 1787 | 1792 | 1797 | rBV  | 421128 | 555276 | 93.25% | 7.311% |
| 52 | 12.145 | 1797 | 1803 | 1807 | rVB  | 58606  | 81709  | 13.72% | 1.076% |
| 53 | 12.225 | 1814 | 1816 | 1823 | rVB2 | 15256  | 18538  | 3.11%  | 0.244% |
| 54 | 12.304 | 1823 | 1829 | 1830 | rBV2 | 68442  | 81210  | 13.64% | 1.069% |
| 55 | 12.322 | 1830 | 1832 | 1836 | rVV  | 98630  | 120414 | 20.22% | 1.585% |
| 56 | 12.371 | 1836 | 1840 | 1847 | rVB3 | 145321 | 231444 | 38.87% | 3.047% |
| 57 | 12.475 | 1852 | 1857 | 1861 | rVV2 | 32225  | 45745  | 7.68%  | 0.602% |
| 58 | 12.523 | 1861 | 1865 | 1871 | rVB2 | 44610  | 66421  | 11.15% | 0.875% |
| 59 | 12.584 | 1871 | 1875 | 1877 | rBV  | 64039  | 80220  | 13.47% | 1.056% |
| 60 | 12.609 | 1877 | 1879 | 1885 | rVV  | 63886  | 83375  | 14.00% | 1.098% |
| 61 | 12.670 | 1885 | 1889 | 1893 | rVV  | 124749 | 151406 | 25.43% | 1.993% |
| 62 | 12.700 | 1893 | 1894 | 1898 | rVV2 | 11558  | 13447  | 2.26%  | 0.177% |
| 63 | 12.761 | 1898 | 1904 | 1912 | rVB3 | 27648  | 75326  | 12.65% | 0.992% |
| 64 | 12.853 | 1914 | 1919 | 1924 | rBV5 | 7437   | 12462  | 2.09%  | 0.164% |
| 65 | 12.908 | 1924 | 1928 | 1932 | rBV  | 21020  | 25591  | 4.30%  | 0.337% |
| 66 | 12.975 | 1932 | 1939 | 1943 | rBV  | 61252  | 99573  | 16.72% | 1.311% |
| 67 | 13.017 | 1943 | 1946 | 1952 | rVB  | 93220  | 117731 | 19.77% | 1.550% |
| 68 | 13.103 | 1952 | 1960 | 1962 | rBV4 | 33857  | 73519  | 12.35% | 0.968% |
| 69 | 13.127 | 1962 | 1964 | 1967 | rVV  | 22922  | 21739  | 3.65%  | 0.286% |
| 70 | 13.225 | 1973 | 1980 | 1984 | rVB3 | 42811  | 71437  | 12.00% | 0.941% |
| 71 | 13.267 | 1984 | 1987 | 1990 | rBV2 | 17590  | 19900  | 3.34%  | 0.262% |

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 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T-3

## 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\_X\METHOD\82X110718W.M  
 Title : SW846 8260

|     |        |      |      |      |      |       |        |        |        |
|-----|--------|------|------|------|------|-------|--------|--------|--------|
| 72  | 13.316 | 1990 | 1995 | 1997 | rVV3 | 40072 | 57008  | 9.57%  | 0.751% |
| 73  | 13.353 | 1997 | 2001 | 2006 | rVV4 | 82658 | 127154 | 21.35% | 1.674% |
| 74  | 13.426 | 2010 | 2013 | 2018 | rVB2 | 27843 | 37502  | 6.30%  | 0.494% |
| 75  | 13.481 | 2018 | 2022 | 2031 | rVB5 | 12884 | 26899  | 4.52%  | 0.354% |
| 76  | 13.560 | 2031 | 2035 | 2038 | rBV2 | 14058 | 21349  | 3.59%  | 0.281% |
| 77  | 13.603 | 2038 | 2042 | 2044 | rBV  | 18393 | 21386  | 3.59%  | 0.282% |
| 78  | 13.639 | 2044 | 2048 | 2055 | rVB2 | 32092 | 60333  | 10.13% | 0.794% |
| 79  | 13.731 | 2059 | 2063 | 2067 | rVB3 | 20362 | 31259  | 5.25%  | 0.412% |
| 80  | 13.834 | 2076 | 2080 | 2085 | rVB  | 23446 | 34639  | 5.82%  | 0.456% |
| 81  | 13.901 | 2085 | 2091 | 2094 | rVV4 | 10163 | 21423  | 3.60%  | 0.282% |
| 82  | 13.938 | 2094 | 2097 | 2100 | rVV  | 12829 | 15829  | 2.66%  | 0.208% |
| 83  | 13.987 | 2100 | 2105 | 2109 | rVB4 | 14639 | 24630  | 4.14%  | 0.324% |
| 84  | 14.029 | 2109 | 2112 | 2115 | rBV2 | 8038  | 9812   | 1.65%  | 0.129% |
| 85  | 14.090 | 2119 | 2122 | 2126 | rVB  | 26279 | 29851  | 5.01%  | 0.393% |
| 86  | 14.133 | 2126 | 2129 | 2133 | rBV  | 22566 | 25353  | 4.26%  | 0.334% |
| 87  | 14.273 | 2148 | 2152 | 2162 | rVB  | 21417 | 38247  | 6.42%  | 0.504% |
| 88  | 14.377 | 2165 | 2169 | 2174 | rBV  | 12426 | 15268  | 2.56%  | 0.201% |
| 89  | 14.432 | 2174 | 2178 | 2181 | rBV  | 11761 | 13323  | 2.24%  | 0.175% |
| 90  | 14.474 | 2181 | 2185 | 2191 | rVB6 | 4697  | 10609  | 1.78%  | 0.140% |
| 91  | 14.560 | 2196 | 2199 | 2205 | rVB4 | 7358  | 13202  | 2.22%  | 0.174% |
| 92  | 14.669 | 2213 | 2217 | 2218 | rBV  | 14418 | 15100  | 2.54%  | 0.199% |
| 93  | 14.694 | 2218 | 2221 | 2226 | rVB  | 48051 | 59302  | 9.96%  | 0.781% |
| 94  | 14.810 | 2236 | 2240 | 2243 | rBV  | 33122 | 38537  | 6.47%  | 0.507% |
| 95  | 14.840 | 2243 | 2245 | 2250 | rVB  | 24832 | 27695  | 4.65%  | 0.365% |
| 96  | 15.157 | 2292 | 2297 | 2301 | rBV4 | 4511  | 8165   | 1.37%  | 0.108% |
| 97  | 15.279 | 2313 | 2317 | 2320 | rVV  | 13400 | 18527  | 3.11%  | 0.244% |
| 98  | 15.560 | 2356 | 2363 | 2371 | rBV2 | 29537 | 47422  | 7.96%  | 0.624% |
| 99  | 15.688 | 2379 | 2384 | 2388 | rBV3 | 9110  | 15779  | 2.65%  | 0.208% |
| 100 | 16.462 | 2505 | 2511 | 2518 | rBV4 | 7650  | 13234  | 2.22%  | 0.174% |

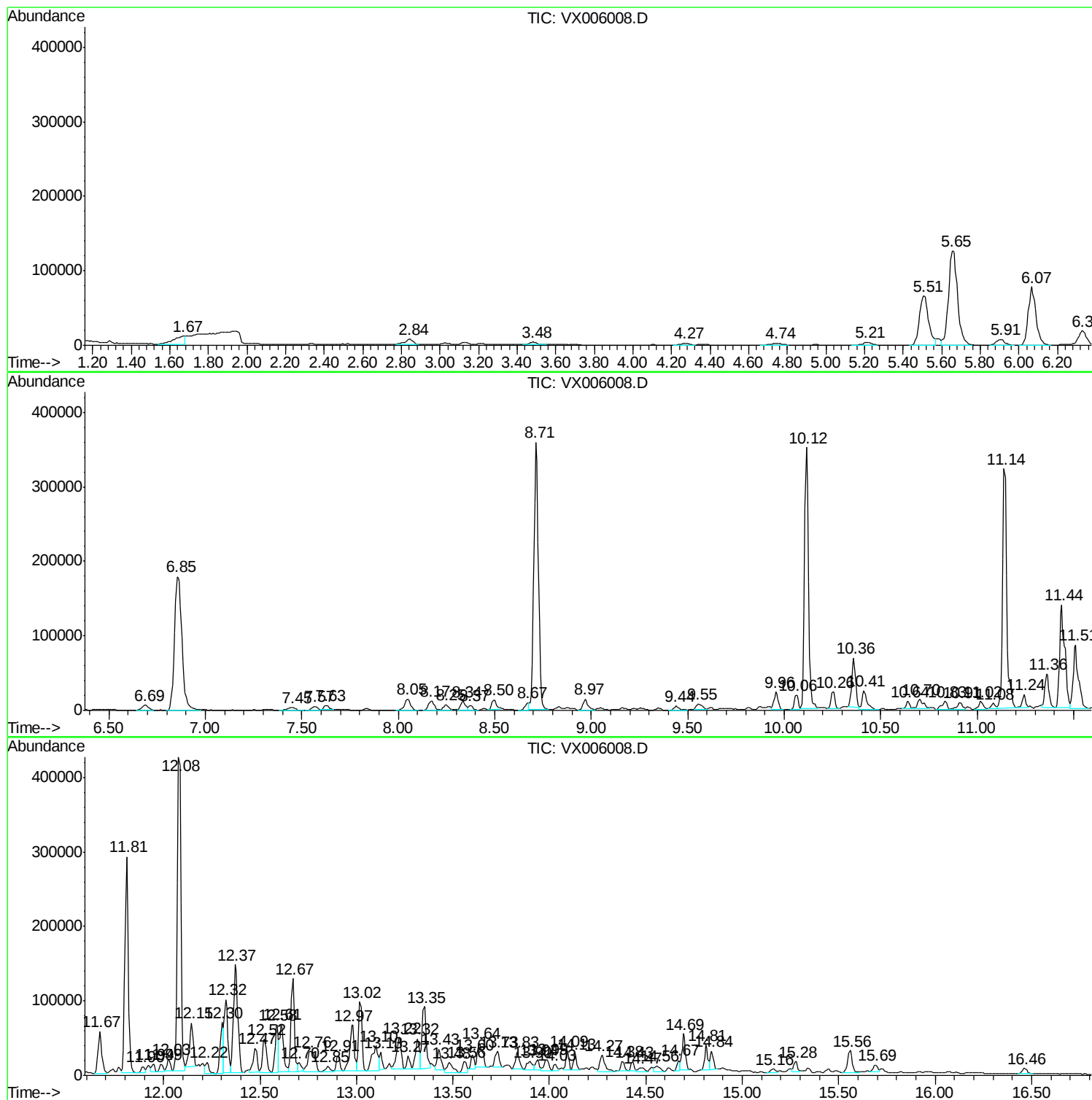
Sum of corrected areas: 7595264

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ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_X  
ClientSampled :  
T-3

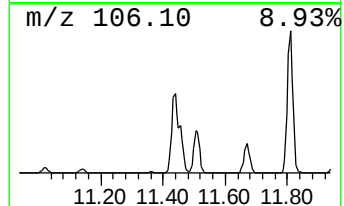
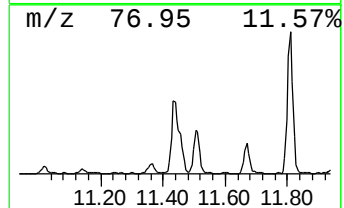
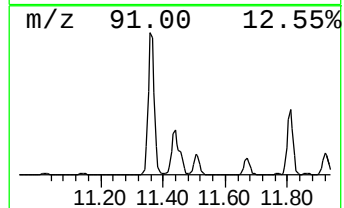
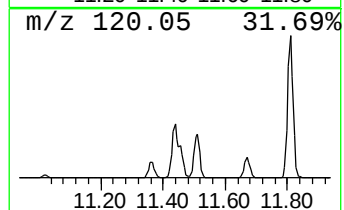
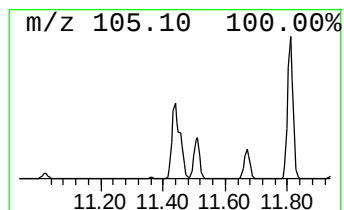
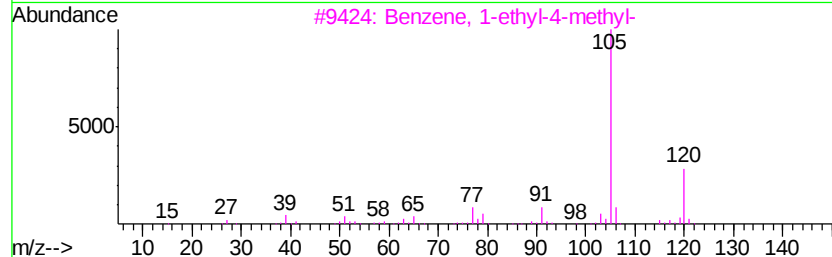
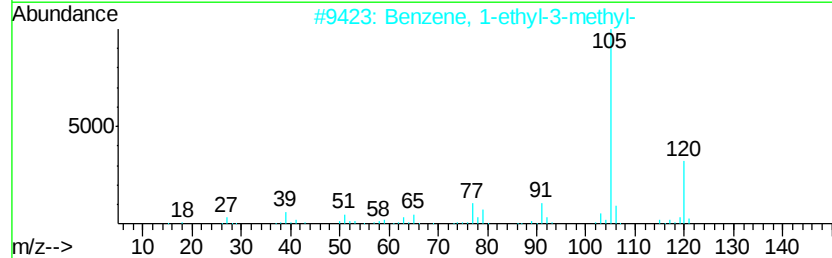
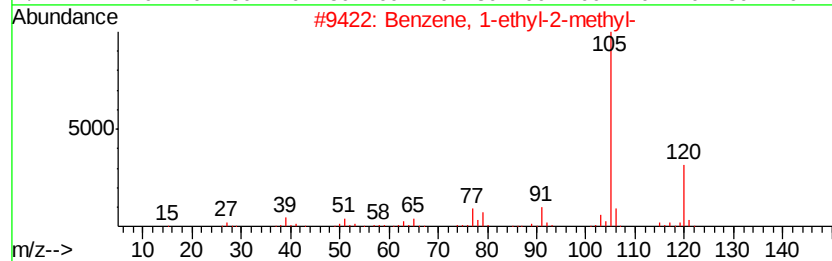
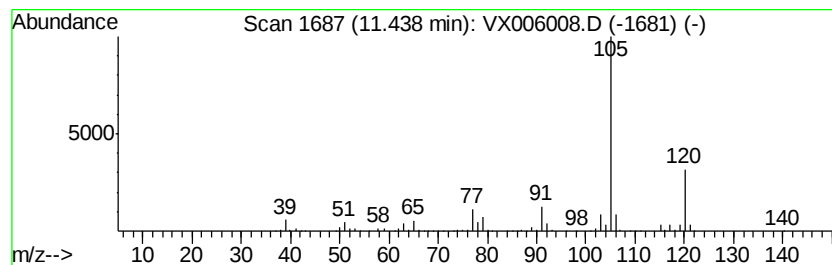
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 11.44 | 23.52 ug/l | 261162 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



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ALS Vial : 45 Sample Multiplier: 1

Instrument :  
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ClientSampled :  
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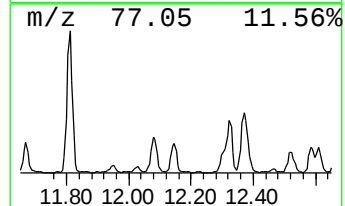
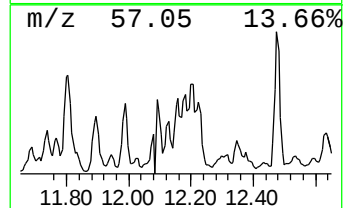
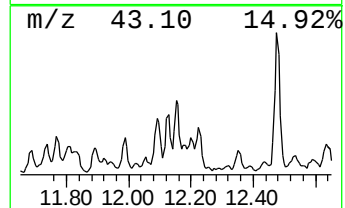
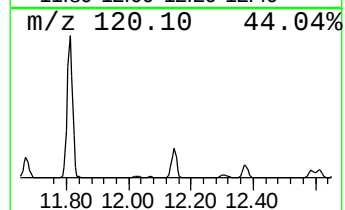
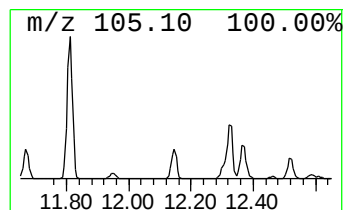
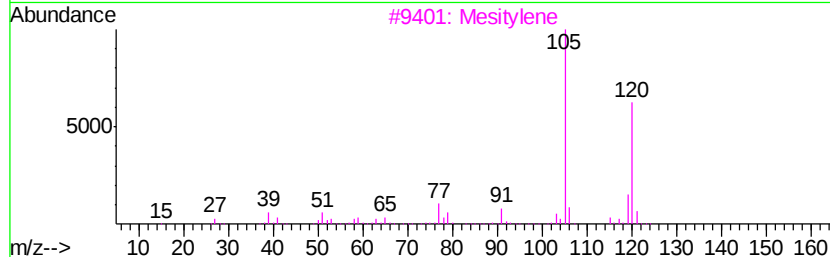
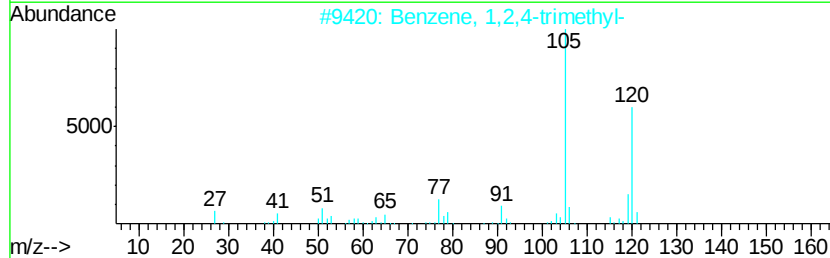
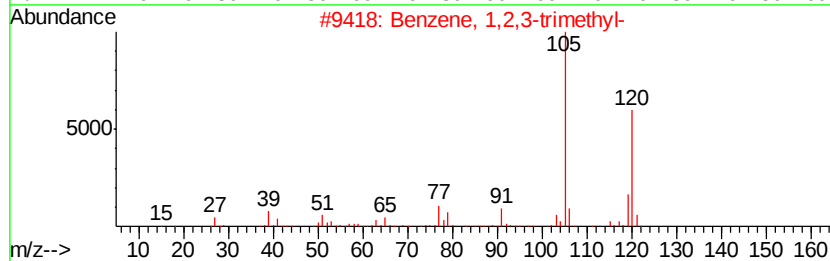
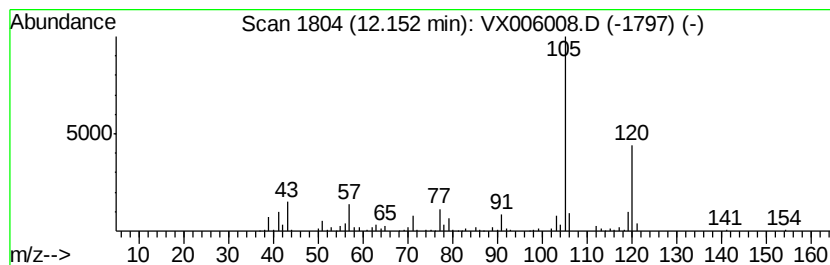
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 8

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.15 | 7.36 ug/l | 81709 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 2    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 3    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 87   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

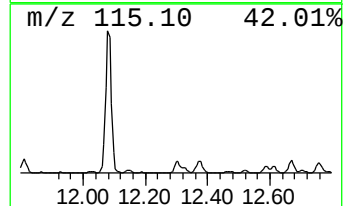
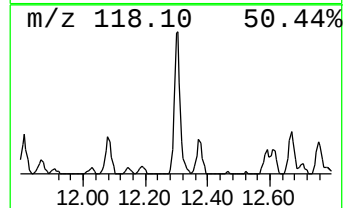
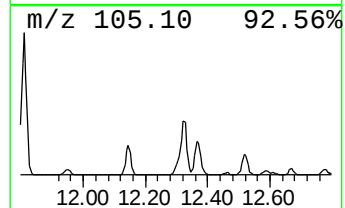
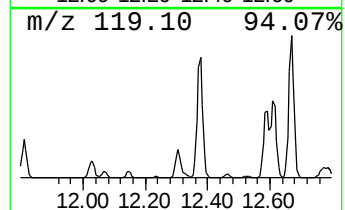
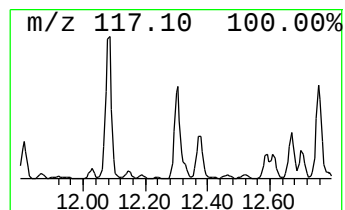
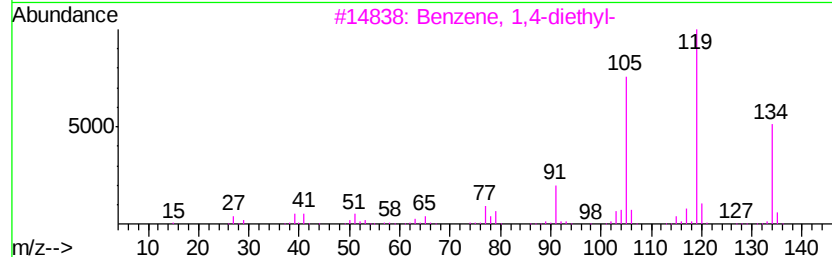
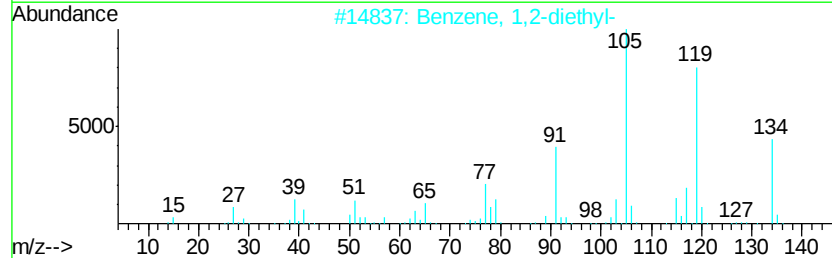
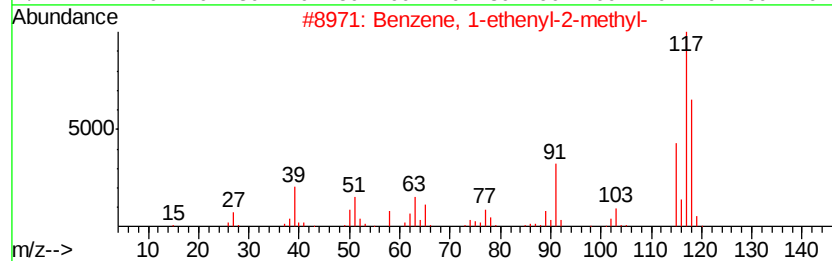
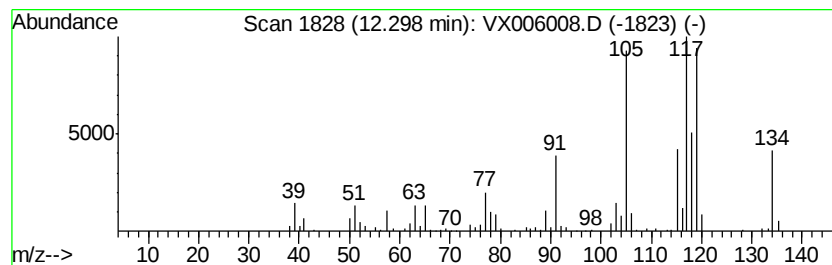
Instrument :  
MSVOA\_X  
ClientSampled :  
T-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1-ethenyl-2-methyl- Concentration Rank 9

| R.T.    | EstConc   | Area                         | Relative to ISTD       | R.T.           |
|---------|-----------|------------------------------|------------------------|----------------|
| 12.30   | 7.31 ug/l | 81210                        | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5         | Tentative ID                 | MW MolForm             | CAS# Qual      |
| 1       |           | Benzene, 1-ethenyl-2-methyl- | 118 C9H10              | 000611-15-4 80 |
| 2       |           | Benzene, 1,2-diethyl-        | 134 C10H14             | 000135-01-3 64 |
| 3       |           | Benzene, 1,4-diethyl-        | 134 C10H14             | 000105-05-5 60 |
| 4       |           | Benzene, 1,3-diethyl-        | 134 C10H14             | 000141-93-5 60 |
| 5       |           | Indane                       | 118 C9H10              | 000496-11-7 42 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

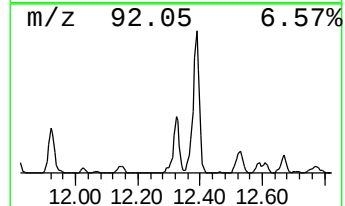
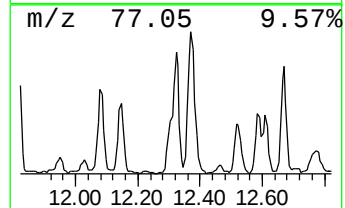
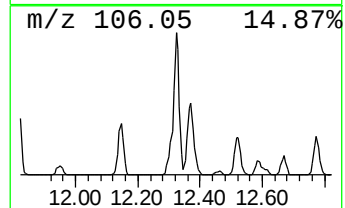
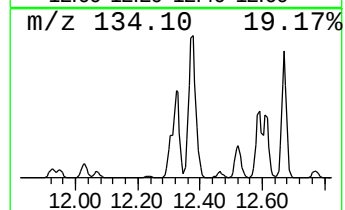
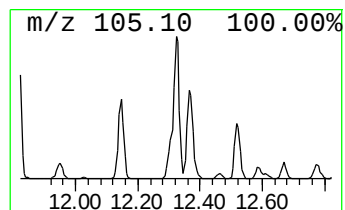
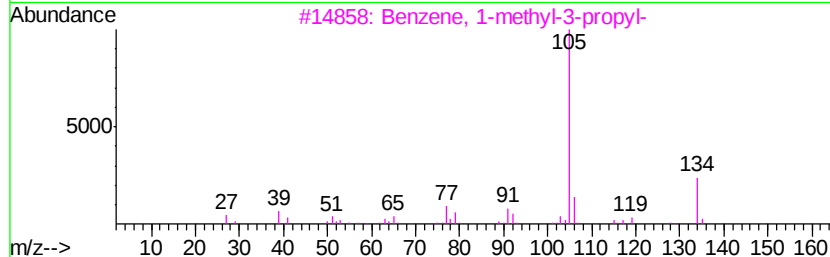
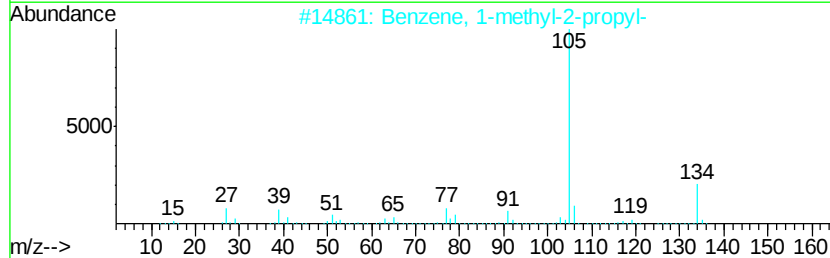
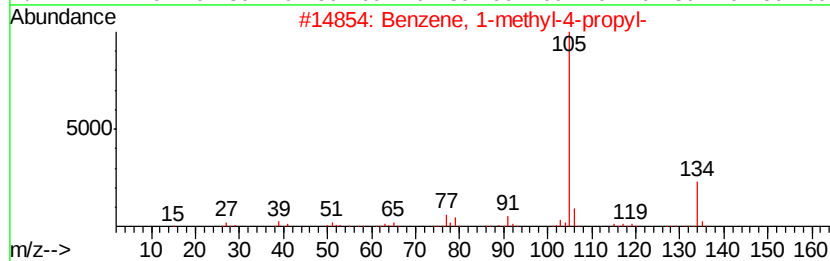
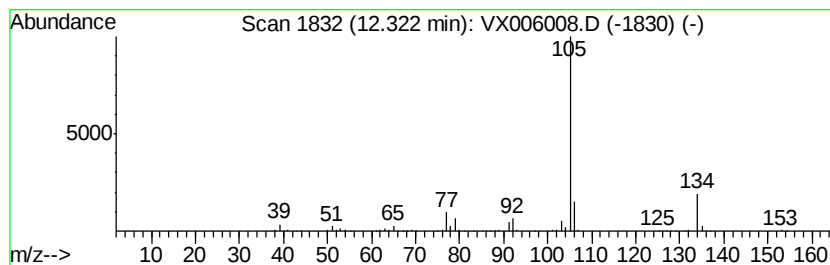
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

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Peak Number 4 Benzene, 1-methyl-4-propyl- Concentration Rank 4

| R.T.    | EstConc                     | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------------|--------------|------------------------|-----------|
| 12.32   | 10.84 ug/l                  | 120414       | 1,4-Dichlorobenzene-d4 | 12.08     |
| Hit# of | 5                           | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1-methyl-4-propyl- | 134 C10H14   | 001074-55-1            | 91        |
| 2       | Benzene, 1-methyl-2-propyl- | 134 C10H14   | 001074-17-5            | 90        |
| 3       | Benzene, 1-methyl-3-propyl- | 134 C10H14   | 001074-43-7            | 90        |
| 4       | Benzene, (1-methylpropyl)-  | 134 C10H14   | 000135-98-8            | 72        |
| 5       | 2-Indanol                   | 134 C9H10O   | 004254-29-9            | 64        |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

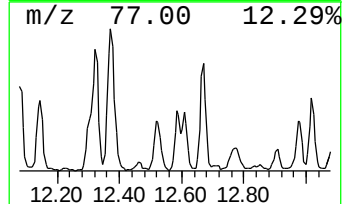
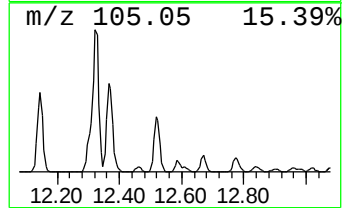
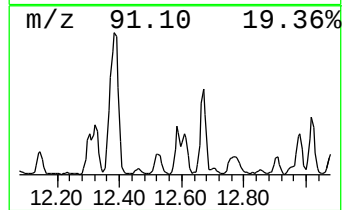
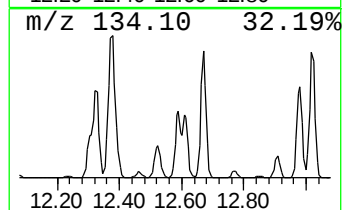
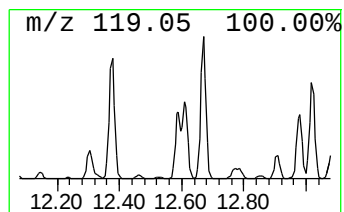
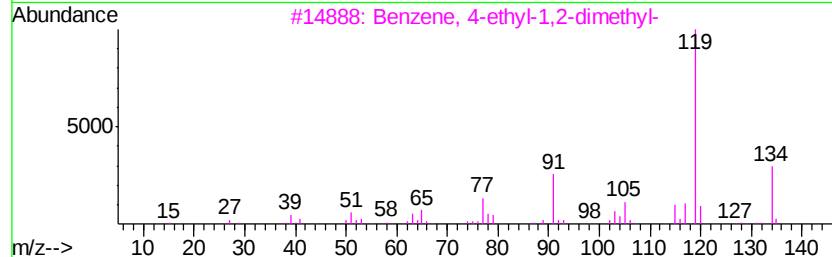
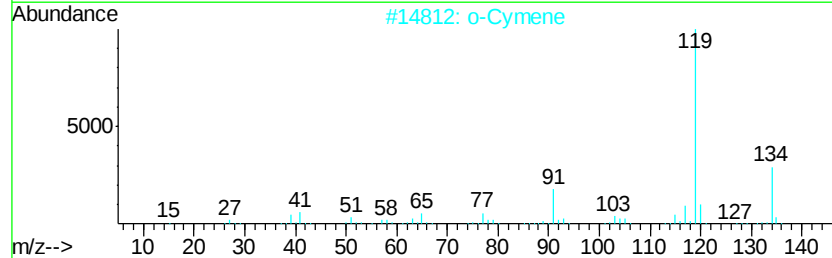
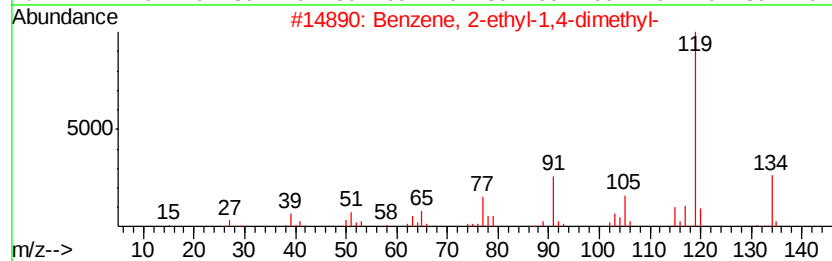
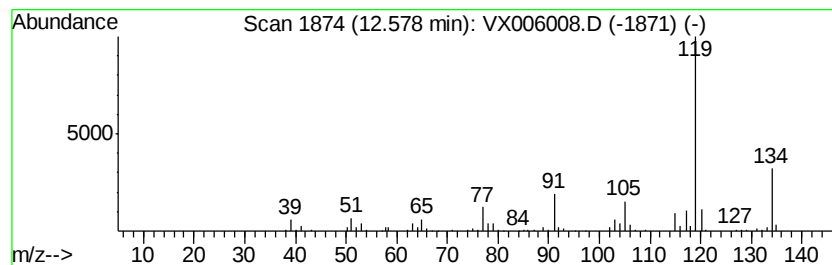
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.58 | 7.22 ug/l | 80220 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 96   |
| 2    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 3    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 94   |
| 5    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

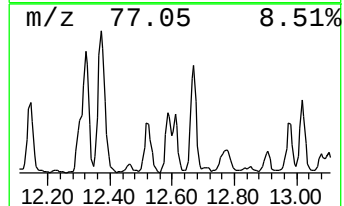
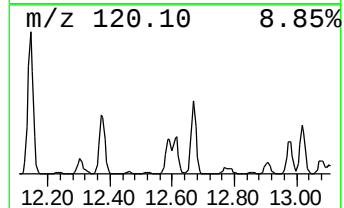
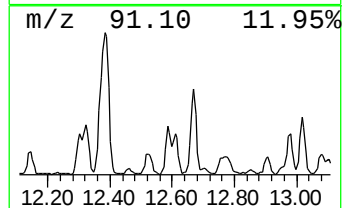
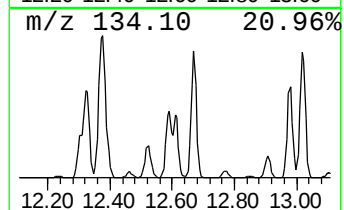
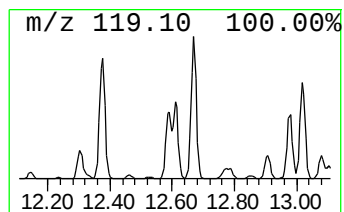
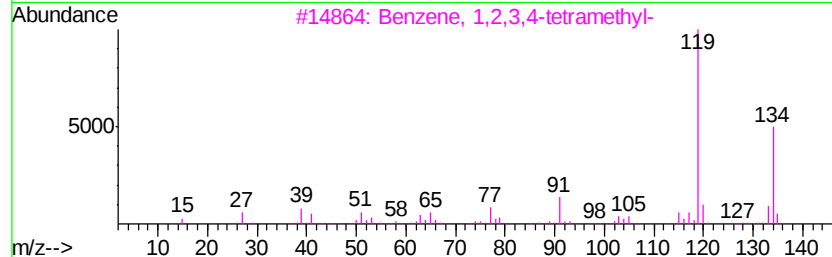
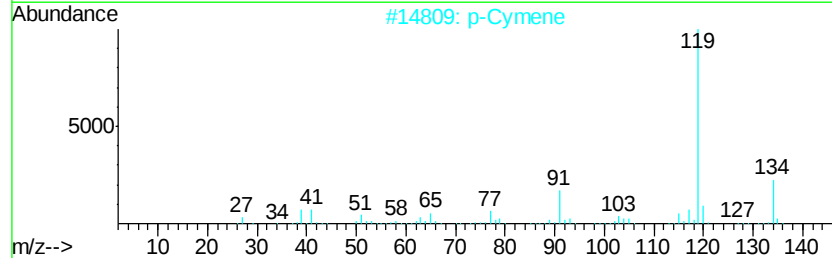
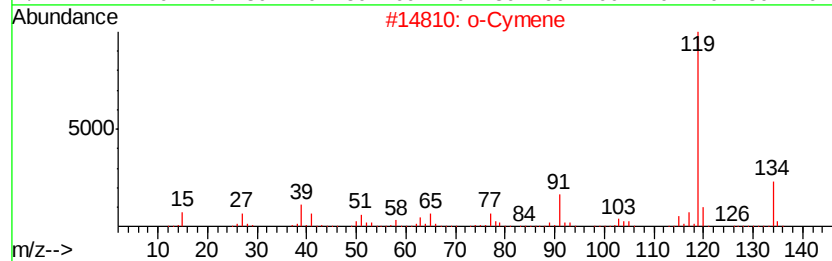
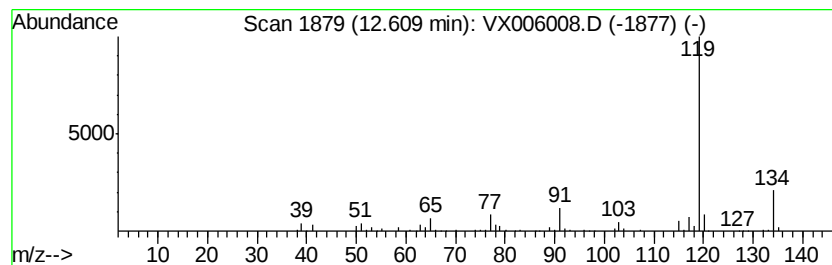
Instrument :  
MSVOA\_X  
ClientSampled :  
T-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

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Peak Number 6 o-Cymene Concentration Rank 7

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.           |
|---------|-----------|-------------------------------------|------------------------|----------------|
| 12.61   | 7.51 ug/l | 83375                               | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |           | o-Cymene                            | 134 C10H14             | 000527-84-4 94 |
| 2       |           | p-Cymene                            | 134 C10H14             | 000099-87-6 94 |
| 3       |           | Benzene, 1,2,3,4-tetramethyl-       | 134 C10H14             | 000488-23-3 91 |
| 4       |           | Benzene, 1-methyl-3-(1-methyleth... | 134 C10H14             | 000535-77-3 91 |
| 5       |           | Benzene, 1,2,4,5-tetramethyl-       | 134 C10H14             | 000095-93-2 91 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
T-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

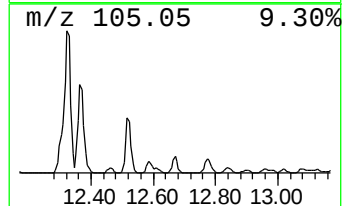
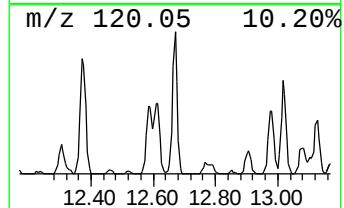
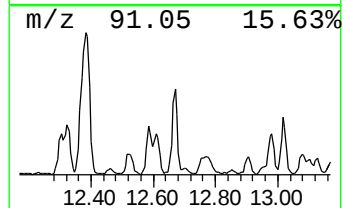
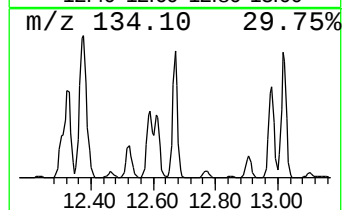
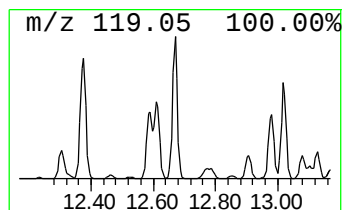
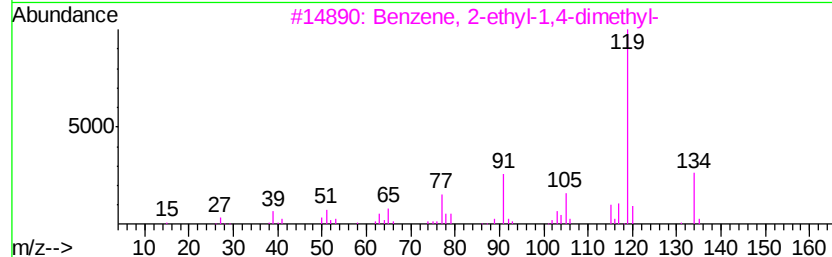
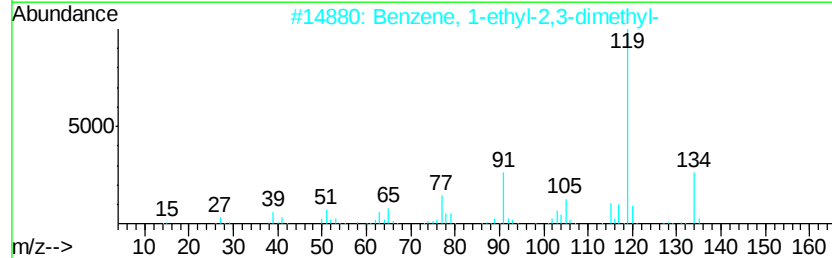
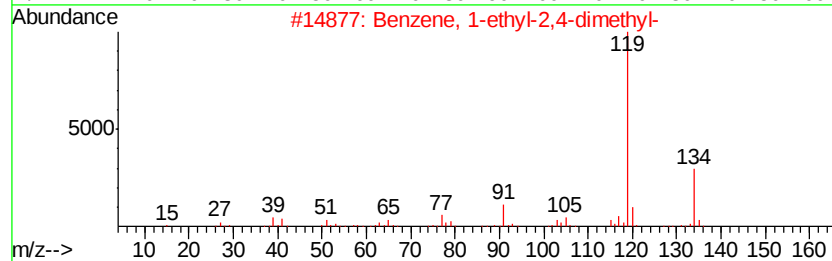
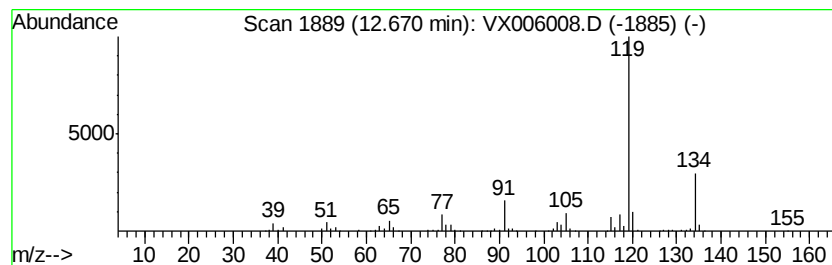
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.67 | 13.63 ug/l | 151406 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 97   |
| 2    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 96   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 96   |
| 4    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |
| 5    |    | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

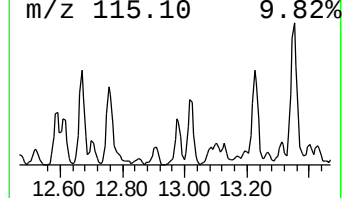
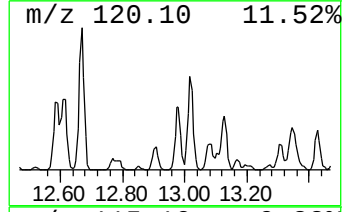
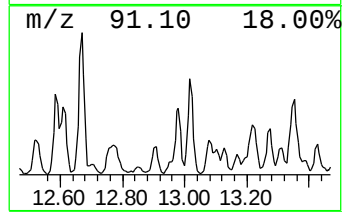
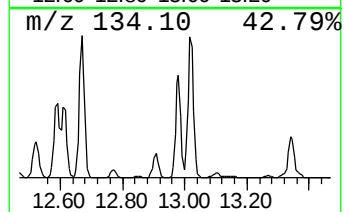
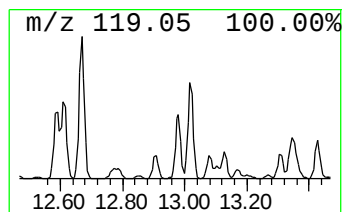
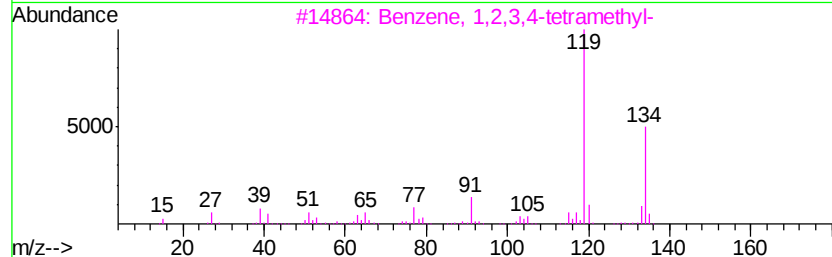
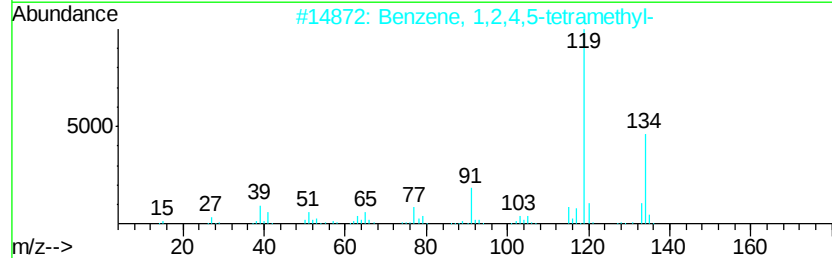
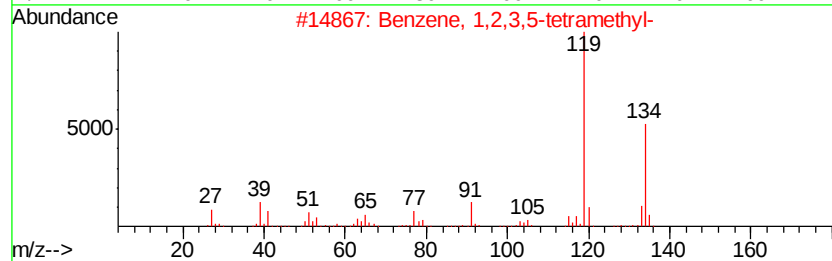
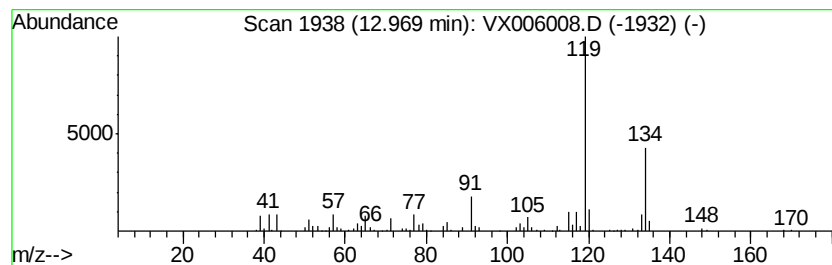
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.97 | 8.97 ug/l | 99573 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 96   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 96   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 95   |
| 4    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
T-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

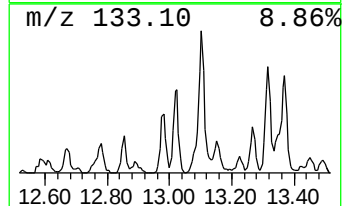
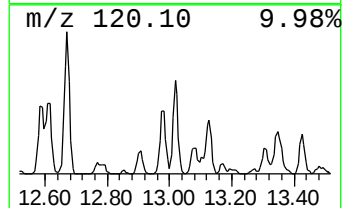
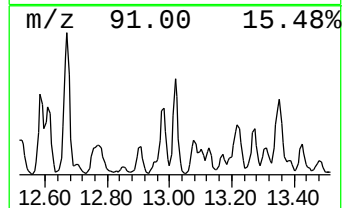
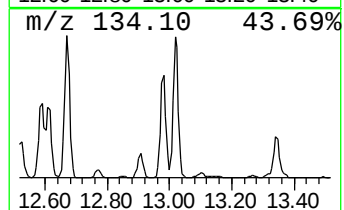
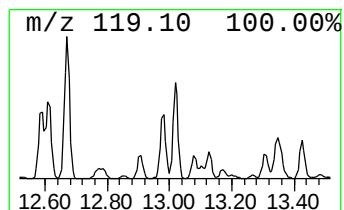
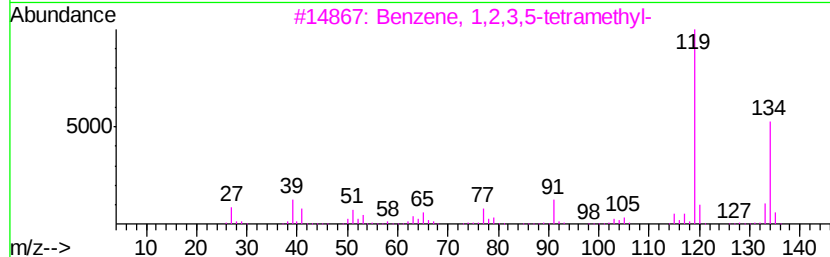
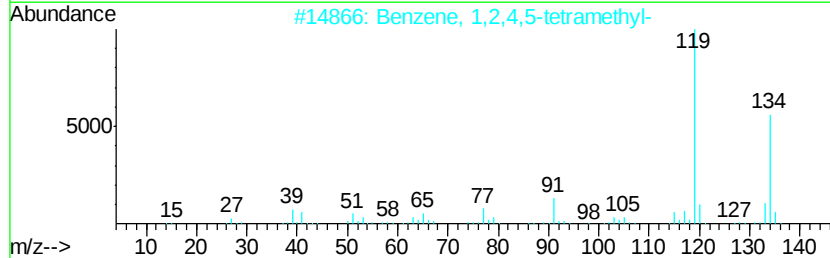
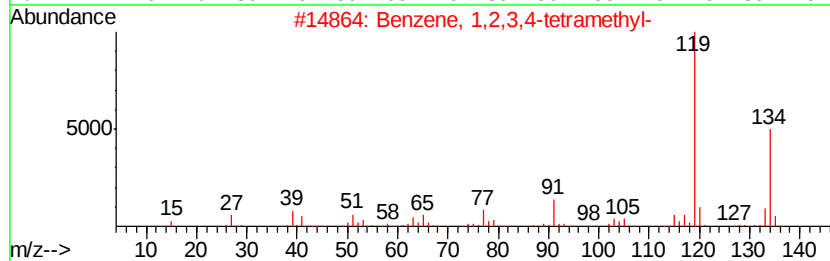
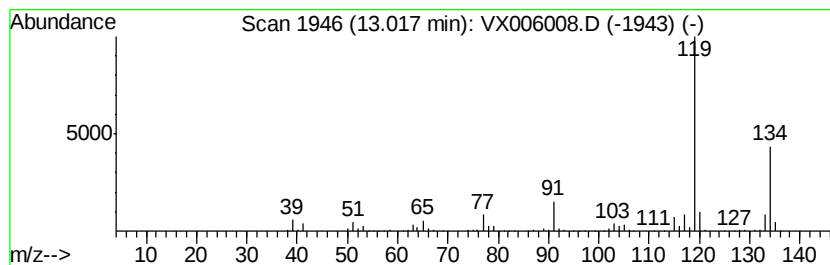
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.02 | 10.60 ug/l | 117731 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 95   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 95   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |
| 5    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

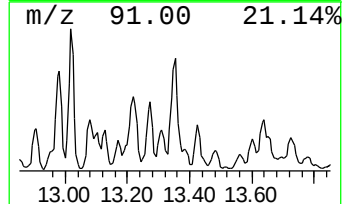
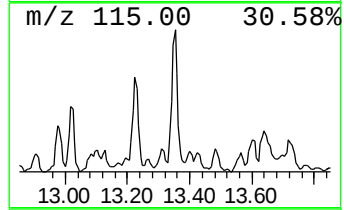
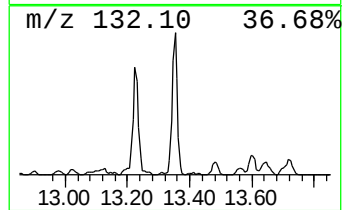
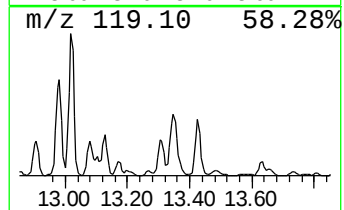
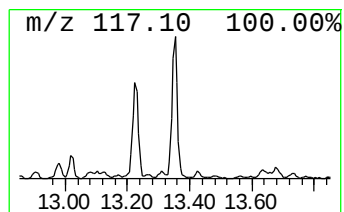
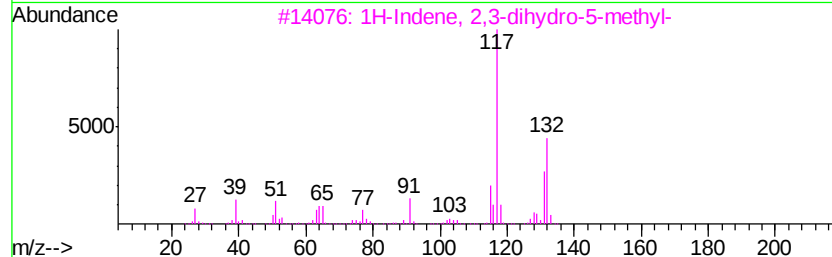
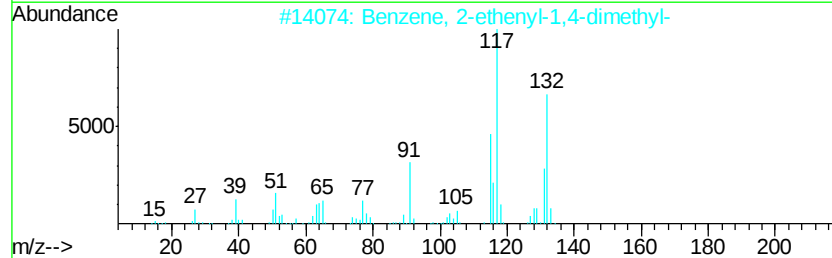
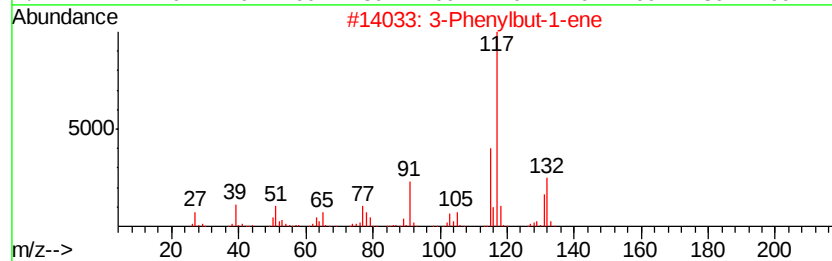
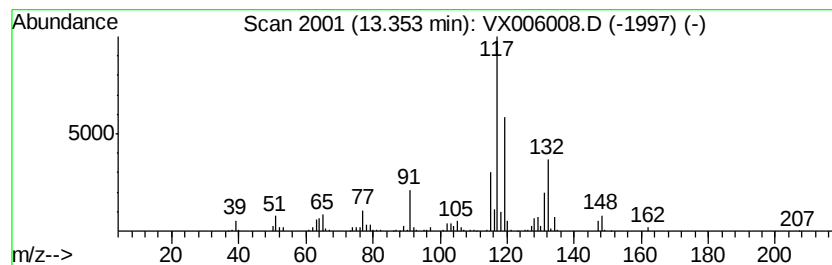
Instrument :  
MSVOA\_X  
ClientSampled :  
T-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

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Peak Number 10 3-Phenylbut-1-ene Concentration Rank 3

| R.T.    | EstConc    | Area                             | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------------|------------------------|----------------|
| 13.35   | 11.45 ug/l | 127154                           | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5          | Tentative ID                     | MW MolForm             | CAS# Qual      |
| 1       |            | 3-Phenylbut-1-ene                | 132 C10H12             | 000934-10-1 76 |
| 2       |            | Benzene, 2-ethenyl-1,4-dimethyl- | 132 C10H12             | 002039-89-6 70 |
| 3       |            | 1H-Indene, 2,3-dihydro-5-methyl- | 132 C10H12             | 000874-35-1 70 |
| 4       |            | Benzene, 1-ethenyl-4-ethyl-      | 132 C10H12             | 003454-07-7 64 |
| 5       |            | 1-Phenyl-1-butene                | 132 C10H12             | 000824-90-8 62 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
Data File : VX006008.D  
Acq On : 15 Nov 2018 07:12  
Operator : JC/MD  
Sample : J5915-03  
Misc : 5.06g/10ml/100ul/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Benzene, 1-ethyl-... | 11.44 | 23.5    | ug/l  | 261162   | 4                     | 12.08 | 555276 | 50.0 |
| Benzene, 1,2,3-tr... | 12.15 | 7.4     | ug/l  | 81709    | 4                     | 12.08 | 555276 | 50.0 |
| Benzene, 1-etheny... | 12.30 | 7.3     | ug/l  | 81210    | 4                     | 12.08 | 555276 | 50.0 |
| Benzene, 1-methyl... | 12.32 | 10.8    | ug/l  | 120414   | 4                     | 12.08 | 555276 | 50.0 |
| Benzene, 2-ethyl-... | 12.58 | 7.2     | ug/l  | 80220    | 4                     | 12.08 | 555276 | 50.0 |
| o-Cymene             | 12.61 | 7.5     | ug/l  | 83375    | 4                     | 12.08 | 555276 | 50.0 |
| Benzene, 1-ethyl-... | 12.67 | 13.6    | ug/l  | 151406   | 4                     | 12.08 | 555276 | 50.0 |
| Benzene, 1,2,3,5-... | 12.97 | 9.0     | ug/l  | 99573    | 4                     | 12.08 | 555276 | 50.0 |
| Benzene, 1,2,3,4-... | 13.02 | 10.6    | ug/l  | 117731   | 4                     | 12.08 | 555276 | 50.0 |
| 3-Phenylbut-1-ene    | 13.35 | 11.4    | ug/l  | 127154   | 4                     | 12.08 | 555276 | 50.0 |