

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
 Data File : VX002356.D  
 Acq On : 06 Jun 2018 16:49  
 Operator : JC/MD  
 Sample : J3311-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-05

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\82X060418W.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         | 1.075       | 76            | 80          | 93           | rBV      | 2849862        | 3280782       | 100.00%         | 11.337%       |
| 2         | 1.172       | 93            | 96          | 108          | rVB2     | 32174          | 41833         | 1.28%           | 0.145%        |
| 3         | 1.270       | 108           | 112         | 117          | rBV      | 53596          | 73490         | 2.24%           | 0.254%        |
| 4         | 1.337       | 117           | 123         | 128          | rVV      | 38226          | 119182        | 3.63%           | 0.412%        |
| 5         | 1.386       | 129           | 131         | 141          | rVV2     | 48516          | 128856        | 3.93%           | 0.445%        |
| 6         | 1.489       | 145           | 148         | 159          | rVB      | 99468          | 129963        | 3.96%           | 0.449%        |
| 7         | 2.117       | 246           | 251         | 259          | rVB      | 22134          | 34312         | 1.05%           | 0.119%        |
| 8         | 2.447       | 298           | 305         | 316          | rBV      | 297647         | 501396        | 15.28%          | 1.733%        |
| 9         | 4.397       | 608           | 625         | 634          | rBV6     | 11687          | 47649         | 1.45%           | 0.165%        |
| 10        | 4.708       | 667           | 676         | 689          | rBV2     | 18419          | 54135         | 1.65%           | 0.187%        |
| 11        | 5.507       | 795           | 807         | 816          | rBV      | 144286         | 427014        | 13.02%          | 1.476%        |
| 12        | 5.672       | 824           | 834         | 848          | rVB      | 229637         | 643365        | 19.61%          | 2.223%        |
| 13        | 6.074       | 890           | 900         | 908          | rBV      | 169680         | 442816        | 13.50%          | 1.530%        |
| 14        | 6.147       | 908           | 912         | 923          | rVB2     | 33017          | 80078         | 2.44%           | 0.277%        |
| 15        | 6.464       | 956           | 964         | 977          | rVB9     | 10766          | 38344         | 1.17%           | 0.133%        |
| 16        | 6.866       | 1021          | 1030        | 1050         | rBV      | 337451         | 799057        | 24.36%          | 2.761%        |
| 17        | 7.464       | 1117          | 1128        | 1138         | rBV2     | 45568          | 107974        | 3.29%           | 0.373%        |
| 18        | 7.561       | 1138          | 1144        | 1155         | rVV      | 75326          | 145177        | 4.43%           | 0.502%        |
| 19        | 8.580       | 1305          | 1311        | 1318         | rVB3     | 18027          | 37043         | 1.13%           | 0.128%        |
| 20        | 8.665       | 1318          | 1325        | 1328         | rBV3     | 18375          | 35679         | 1.09%           | 0.123%        |
| 21        | 8.720       | 1328          | 1334        | 1341         | rVB      | 834266         | 1274163       | 38.84%          | 4.403%        |
| 22        | 9.043       | 1382          | 1387        | 1399         | rBV3     | 17389          | 38653         | 1.18%           | 0.134%        |
| 23        | 9.445       | 1448          | 1453        | 1457         | rBV      | 21095          | 34422         | 1.05%           | 0.119%        |
| 24        | 9.525       | 1462          | 1466        | 1470         | rVV      | 31277          | 46648         | 1.42%           | 0.161%        |
| 25        | 9.585       | 1470          | 1476        | 1479         | rVB4     | 19315          | 33168         | 1.01%           | 0.115%        |
| 26        | 10.012      | 1541          | 1546        | 1552         | rBV      | 33226          | 51744         | 1.58%           | 0.179%        |
| 27        | 10.116      | 1557          | 1563        | 1568         | rVV      | 711416         | 929918        | 28.34%          | 3.213%        |
| 28        | 10.159      | 1568          | 1570        | 1579         | rVB5     | 15445          | 35254         | 1.07%           | 0.122%        |
| 29        | 10.610      | 1636          | 1644        | 1647         | rBV      | 24816          | 49700         | 1.51%           | 0.172%        |
| 30        | 10.652      | 1647          | 1651        | 1657         | rVB4     | 22261          | 54589         | 1.66%           | 0.189%        |
| 31        | 10.841      | 1678          | 1682        | 1687         | rVB2     | 33622          | 43934         | 1.34%           | 0.152%        |
| 32        | 10.915      | 1689          | 1694        | 1696         | rBV3     | 46873          | 73076         | 2.23%           | 0.253%        |
| 33        | 11.018      | 1706          | 1711        | 1716         | rBV2     | 114840         | 177892        | 5.42%           | 0.615%        |
| 34        | 11.140      | 1726          | 1731        | 1737         | rBV      | 700687         | 923713        | 28.16%          | 3.192%        |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-05

## 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\82X060418W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.238 | 1742 | 1747 | 1751 | rBV4 | 33306   | 71169   | 2.17%  | 0.246% |
| 36 | 11.280 | 1751 | 1754 | 1762 | rVB5 | 45709   | 84798   | 2.58%  | 0.293% |
| 37 | 11.366 | 1763 | 1768 | 1771 | rBV  | 115413  | 157599  | 4.80%  | 0.545% |
| 38 | 11.445 | 1777 | 1781 | 1785 | rBV5 | 20058   | 34801   | 1.06%  | 0.120% |
| 39 | 11.488 | 1785 | 1788 | 1793 | rVV2 | 29445   | 40148   | 1.22%  | 0.139% |
| 40 | 11.701 | 1820 | 1823 | 1826 | rVB2 | 62957   | 67568   | 2.06%  | 0.233% |
| 41 | 11.738 | 1826 | 1829 | 1831 | rBV2 | 36952   | 40648   | 1.24%  | 0.140% |
| 42 | 11.774 | 1831 | 1835 | 1838 | rBV  | 134690  | 161154  | 4.91%  | 0.557% |
| 43 | 11.853 | 1845 | 1848 | 1852 | rVB3 | 48316   | 63160   | 1.93%  | 0.218% |
| 44 | 11.951 | 1852 | 1864 | 1866 | rBV2 | 90383   | 183523  | 5.59%  | 0.634% |
| 45 | 12.085 | 1881 | 1886 | 1891 | rVB  | 768089  | 990262  | 30.18% | 3.422% |
| 46 | 12.140 | 1891 | 1895 | 1898 | rBV4 | 62460   | 90857   | 2.77%  | 0.314% |
| 47 | 12.207 | 1898 | 1906 | 1915 | rVB6 | 110204  | 276961  | 8.44%  | 0.957% |
| 48 | 12.305 | 1917 | 1922 | 1926 | rBV  | 496603  | 640112  | 19.51% | 2.212% |
| 49 | 12.347 | 1926 | 1929 | 1931 | rVV  | 67782   | 85926   | 2.62%  | 0.297% |
| 50 | 12.372 | 1931 | 1933 | 1940 | rVB4 | 125663  | 216410  | 6.60%  | 0.748% |
| 51 | 12.439 | 1940 | 1944 | 1947 | rBV2 | 133521  | 207036  | 6.31%  | 0.715% |
| 52 | 12.463 | 1947 | 1948 | 1955 | rVB3 | 86875   | 110354  | 3.36%  | 0.381% |
| 53 | 12.530 | 1956 | 1959 | 1964 | rVB3 | 84706   | 139508  | 4.25%  | 0.482% |
| 54 | 12.591 | 1964 | 1969 | 1973 | rBV5 | 66687   | 157482  | 4.80%  | 0.544% |
| 55 | 12.670 | 1978 | 1982 | 1986 | rVB  | 340958  | 376451  | 11.47% | 1.301% |
| 56 | 12.707 | 1986 | 1988 | 1989 | rBV  | 43372   | 41056   | 1.25%  | 0.142% |
| 57 | 12.762 | 1993 | 1997 | 2001 | rBV2 | 258036  | 356714  | 10.87% | 1.233% |
| 58 | 12.878 | 2013 | 2016 | 2022 | rBV3 | 109960  | 189155  | 5.77%  | 0.654% |
| 59 | 12.981 | 2024 | 2033 | 2037 | rBV2 | 372901  | 610919  | 18.62% | 2.111% |
| 60 | 13.024 | 2037 | 2040 | 2041 | rBV  | 82288   | 87154   | 2.66%  | 0.301% |
| 61 | 13.085 | 2046 | 2050 | 2056 | rVB5 | 129724  | 254133  | 7.75%  | 0.878% |
| 62 | 13.152 | 2056 | 2061 | 2066 | rBV2 | 155266  | 280910  | 8.56%  | 0.971% |
| 63 | 13.201 | 2066 | 2069 | 2072 | rBV2 | 141123  | 195121  | 5.95%  | 0.674% |
| 64 | 13.231 | 2072 | 2074 | 2076 | rVB  | 94065   | 81154   | 2.47%  | 0.280% |
| 65 | 13.353 | 2089 | 2094 | 2100 | rVB2 | 1105643 | 1699572 | 51.80% | 5.873% |
| 66 | 13.402 | 2100 | 2102 | 2105 | rBV3 | 81902   | 91728   | 2.80%  | 0.317% |
| 67 | 13.438 | 2105 | 2108 | 2111 | rBV2 | 80030   | 120652  | 3.68%  | 0.417% |
| 68 | 13.481 | 2111 | 2115 | 2122 | rVB6 | 194526  | 346037  | 10.55% | 1.196% |
| 69 | 13.536 | 2122 | 2124 | 2127 | rVB  | 66191   | 53573   | 1.63%  | 0.185% |
| 70 | 13.573 | 2127 | 2130 | 2132 | rVB3 | 83495   | 90071   | 2.75%  | 0.311% |
| 71 | 13.609 | 2132 | 2136 | 2138 | rBV  | 206278  | 237618  | 7.24%  | 0.821% |

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Sample : J3311-04  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

## 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\82X060418W.M  
Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 13.646 | 2138 | 2142 | 2147 | rVV3 | 189481 | 303681  | 9.26%  | 1.049% |
| 73 | 13.725 | 2149 | 2155 | 2160 | rVV3 | 282291 | 522398  | 15.92% | 1.805% |
| 74 | 13.859 | 2174 | 2177 | 2181 | rVB3 | 225289 | 305265  | 9.30%  | 1.055% |
| 75 | 13.908 | 2181 | 2185 | 2189 | rBV3 | 306040 | 479278  | 14.61% | 1.656% |
| 76 | 13.987 | 2195 | 2198 | 2202 | rVB3 | 271600 | 387786  | 11.82% | 1.340% |
| 77 | 14.042 | 2202 | 2207 | 2211 | rBV4 | 133603 | 299467  | 9.13%  | 1.035% |
| 78 | 14.133 | 2218 | 2222 | 2224 | rBV2 | 128487 | 178793  | 5.45%  | 0.618% |
| 79 | 14.164 | 2225 | 2227 | 2230 | rVB2 | 115221 | 125672  | 3.83%  | 0.434% |
| 80 | 14.201 | 2231 | 2233 | 2235 | rBV2 | 65584  | 64654   | 1.97%  | 0.223% |
| 81 | 14.280 | 2242 | 2246 | 2252 | rBV3 | 261785 | 530880  | 16.18% | 1.835% |
| 82 | 14.383 | 2259 | 2263 | 2267 | rBV3 | 166542 | 242294  | 7.39%  | 0.837% |
| 83 | 14.432 | 2268 | 2271 | 2276 | rVB3 | 237537 | 315202  | 9.61%  | 1.089% |
| 84 | 14.481 | 2276 | 2279 | 2282 | rBV2 | 107067 | 138340  | 4.22%  | 0.478% |
| 85 | 14.548 | 2286 | 2290 | 2293 | rBV2 | 360514 | 514358  | 15.68% | 1.777% |
| 86 | 14.676 | 2308 | 2311 | 2313 | rBV2 | 317139 | 416745  | 12.70% | 1.440% |
| 87 | 14.700 | 2313 | 2315 | 2319 | rVB  | 667671 | 731436  | 22.29% | 2.528% |
| 88 | 14.847 | 2335 | 2339 | 2344 | rVV  | 833872 | 1058889 | 32.28% | 3.659% |
| 89 | 14.908 | 2347 | 2349 | 2353 | rVB3 | 101866 | 124825  | 3.80%  | 0.431% |
| 90 | 15.030 | 2366 | 2369 | 2377 | rVB4 | 186804 | 377287  | 11.50% | 1.304% |
| 91 | 15.255 | 2401 | 2406 | 2408 | rBV3 | 166429 | 270068  | 8.23%  | 0.933% |
| 92 | 15.280 | 2408 | 2410 | 2414 | rVB  | 176638 | 212745  | 6.48%  | 0.735% |
| 93 | 15.402 | 2427 | 2430 | 2434 | rVB2 | 125458 | 169641  | 5.17%  | 0.586% |
| 94 | 15.450 | 2435 | 2438 | 2441 | rVB2 | 78652  | 91941   | 2.80%  | 0.318% |
| 95 | 15.493 | 2442 | 2445 | 2451 | rVB2 | 114014 | 171538  | 5.23%  | 0.593% |
| 96 | 15.560 | 2452 | 2456 | 2461 | rVB  | 202146 | 287998  | 8.78%  | 0.995% |
| 97 | 15.694 | 2474 | 2478 | 2481 | rBV  | 238823 | 346068  | 10.55% | 1.196% |
| 98 | 15.731 | 2481 | 2484 | 2492 | rVB2 | 205013 | 328036  | 10.00% | 1.134% |
| 99 | 15.901 | 2509 | 2512 | 2514 | rBV2 | 50796  | 76871   | 2.34%  | 0.266% |

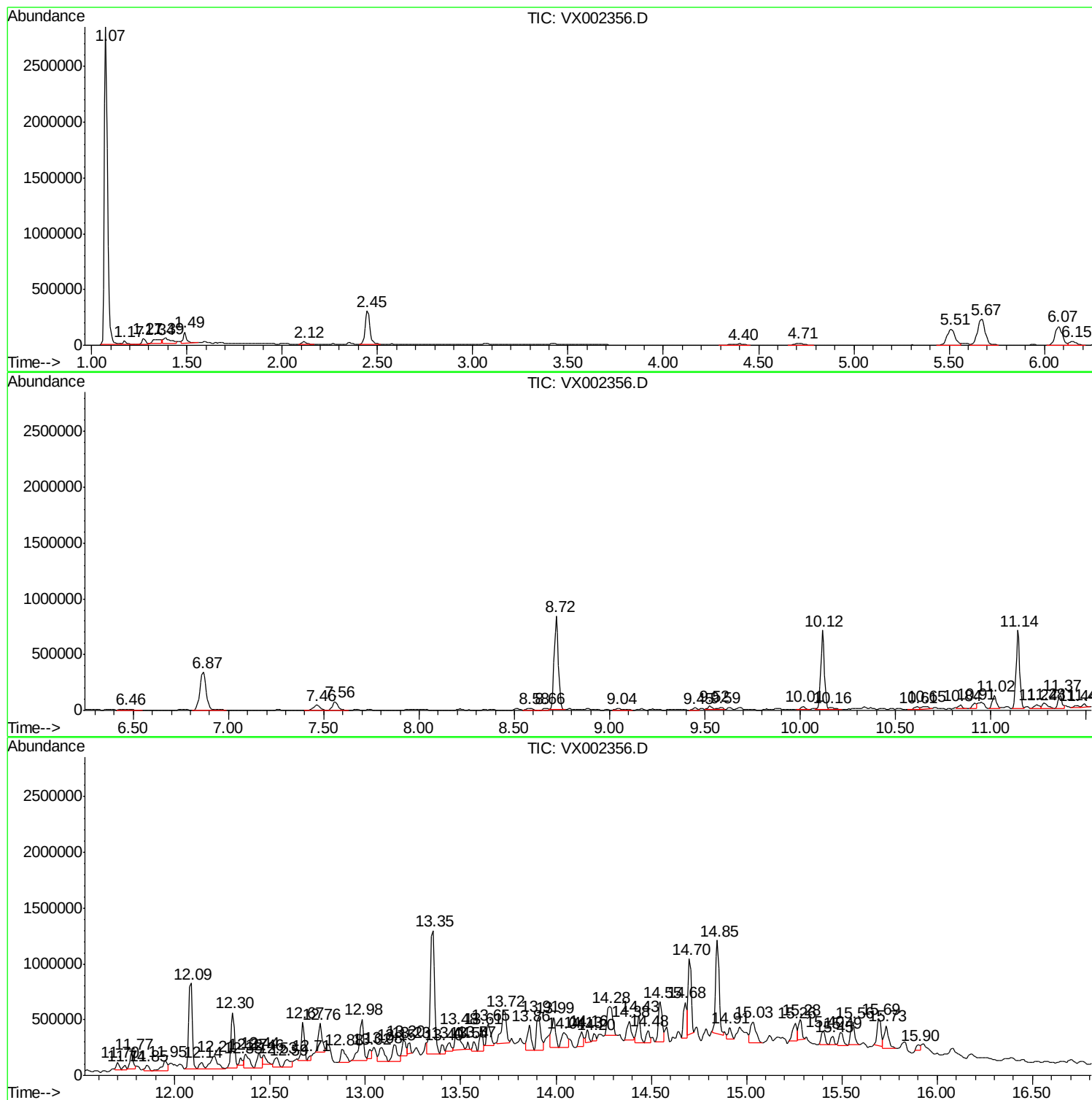
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Instrument :  
MSVOA\_X  
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MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

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



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Data File : VX002356.D  
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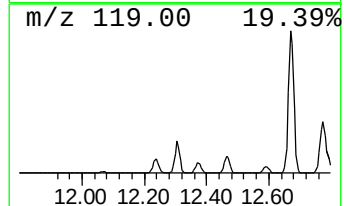
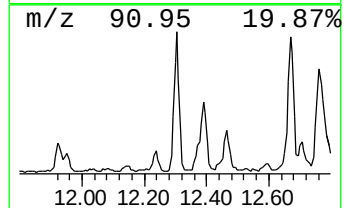
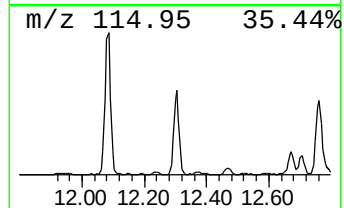
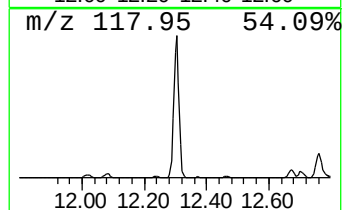
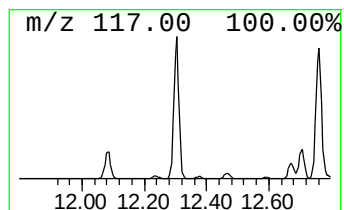
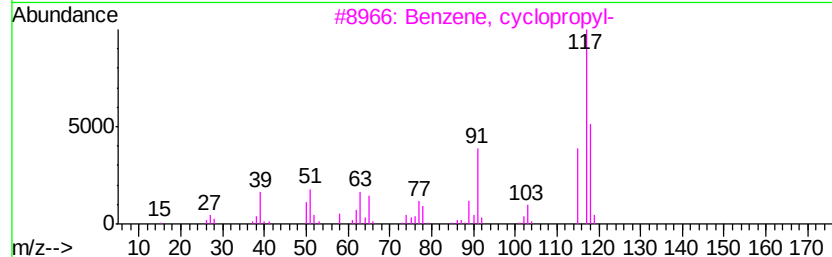
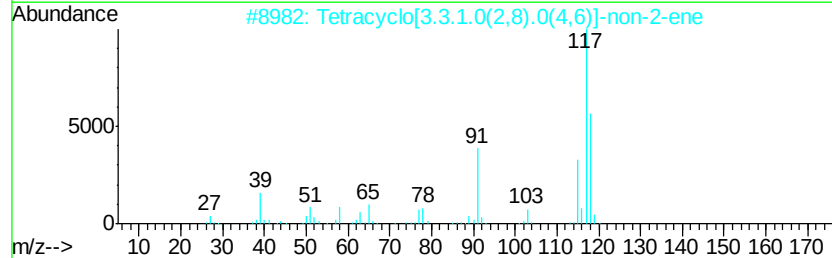
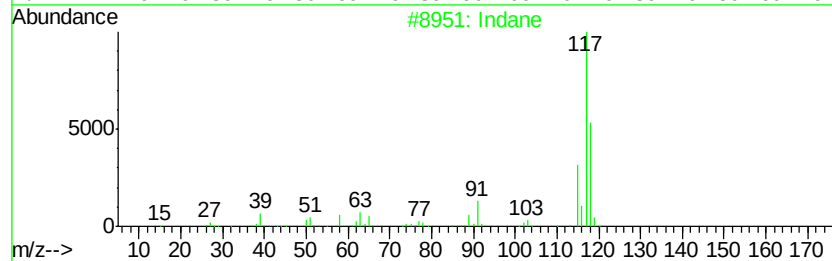
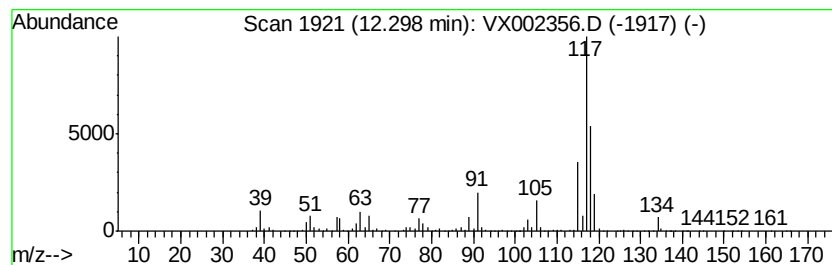
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Indane Concentration Rank 5

| R.T.      | EstConc                          | Area   | Relative to ISTD       | R.T.         |      |
|-----------|----------------------------------|--------|------------------------|--------------|------|
| 12.30     | 32.32 ug/l                       | 640112 | 1,4-Dichlorobenzene-d4 | 12.09        |      |
| Hit# of 5 | Tentative ID                     | MW     | MolForm                | CAS#         | Qual |
| 1         | Indane                           | 118    | C9H10                  | 000496-11-7  | 64   |
| 2         | Tetracyclo[3.3.1.0(2,8).0(4,6)]- | 118    | C9H10                  | 1000191-13-7 | 64   |
| 3         | Benzene, cyclopropyl-            | 118    | C9H10                  | 000873-49-4  | 64   |
| 4         | Benzene, 2-propenyl-             | 118    | C9H10                  | 000300-57-2  | 62   |
| 5         | Benzene, 1-ethenyl-2-methyl-     | 118    | C9H10                  | 000611-15-4  | 50   |



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MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

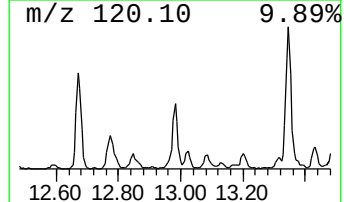
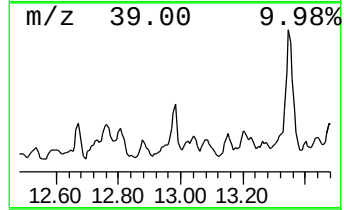
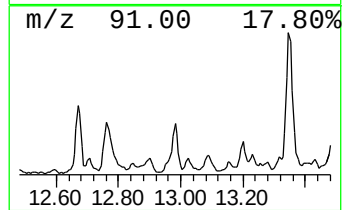
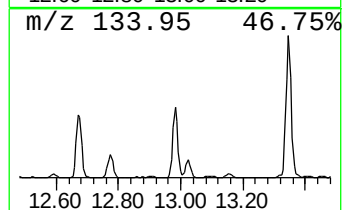
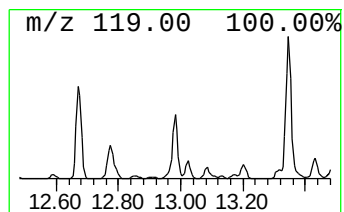
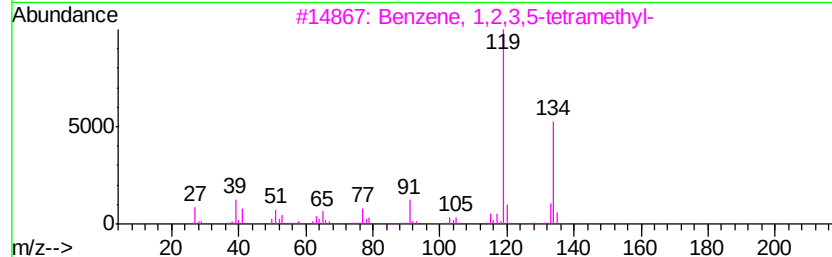
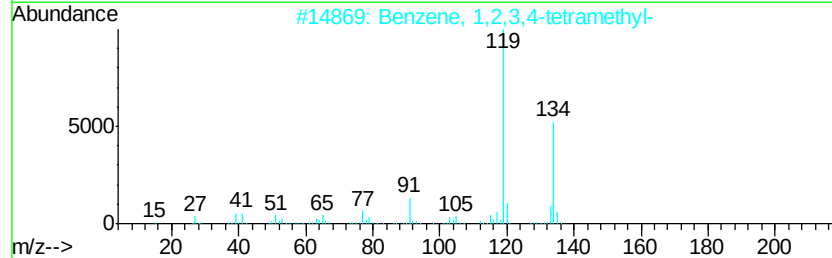
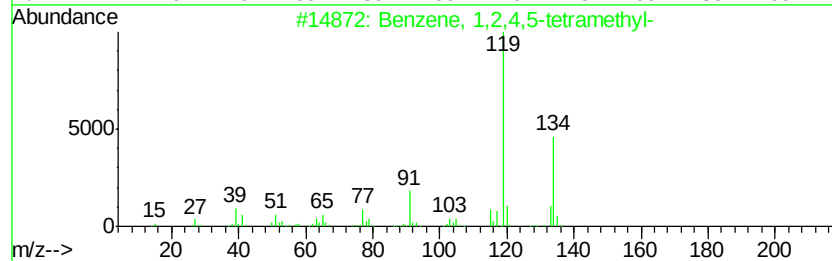
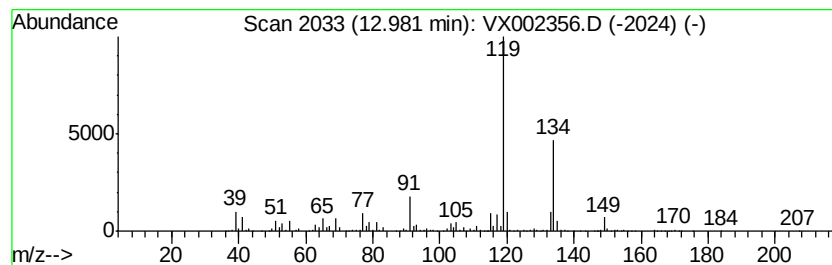
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.98 | 30.85 ug/l | 610919 | 1,4-Dichlorobenzene-d4 | 12.09 |

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002356.D  
Acq On : 06 Jun 2018 16:49  
Operator : JC/MD  
Sample : J3311-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

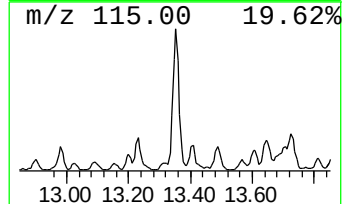
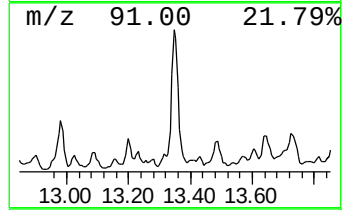
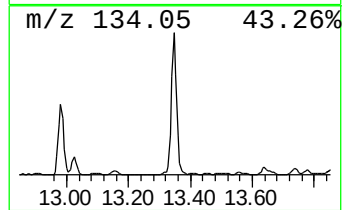
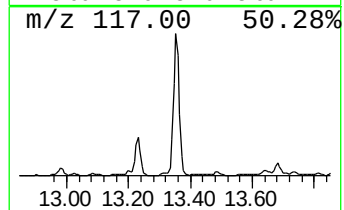
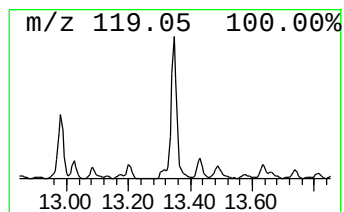
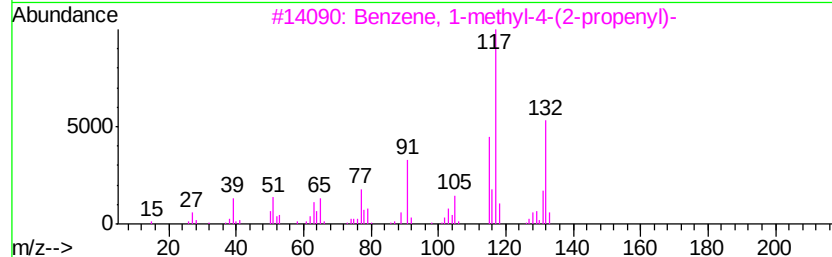
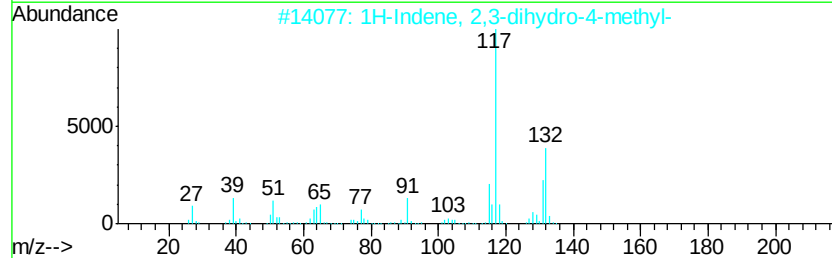
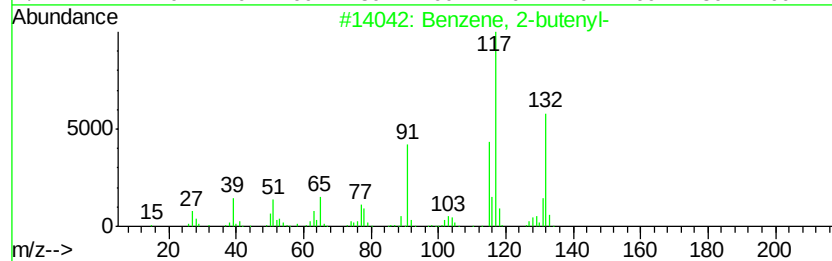
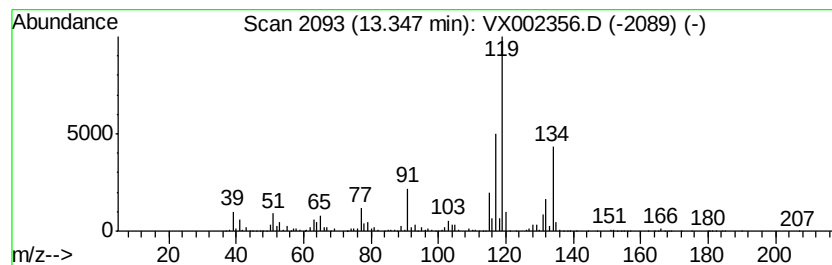
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 2-butenyl- Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.35 | 85.81 ug/l | 1699570 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 89   |
| 2    |    | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 86   |
| 3    |    | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9 | 55   |
| 4    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 55   |
| 5    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 55   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002356.D  
Acq On : 06 Jun 2018 16:49  
Operator : JC/MD  
Sample : J3311-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

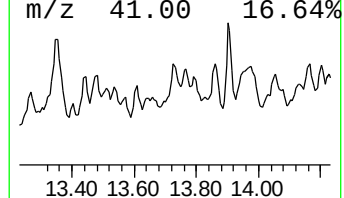
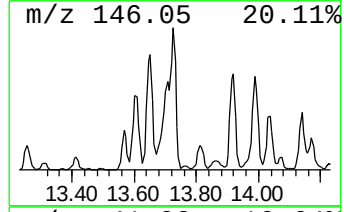
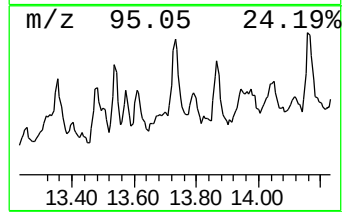
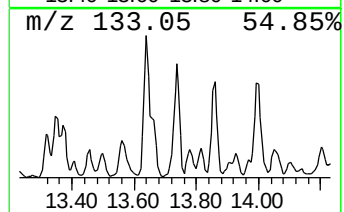
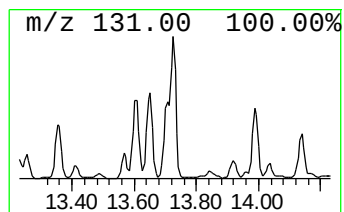
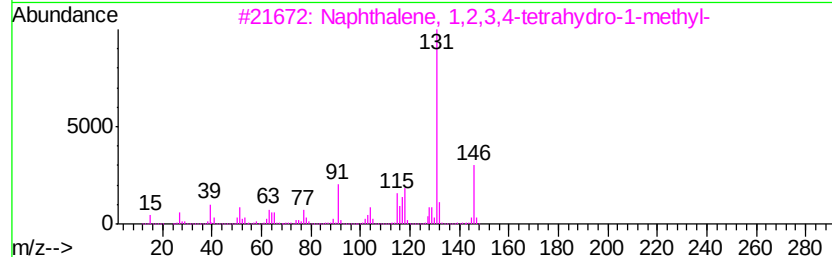
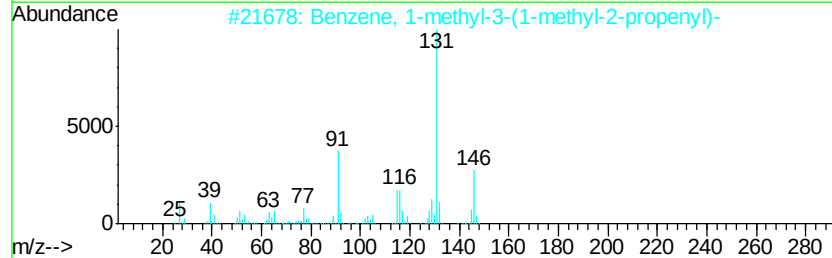
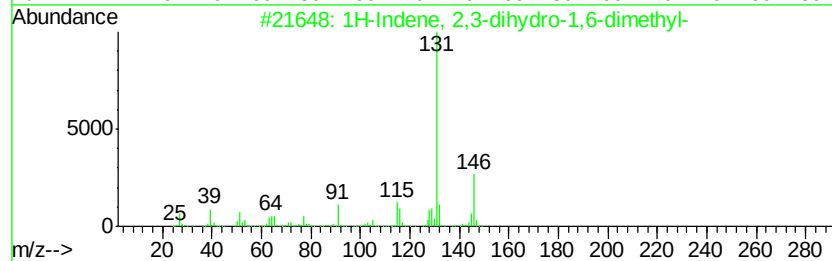
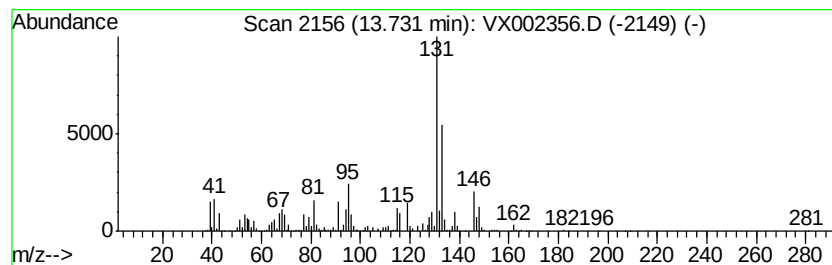
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.73 | 26.38 ug/l | 522398 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 93   |
| 2       |   | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14  | 052161-57-6 | 81   |
| 3       |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 81   |
| 4       |   | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 81   |
| 5       |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 81   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002356.D  
Acq On : 06 Jun 2018 16:49  
Operator : JC/MD  
Sample : J3311-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

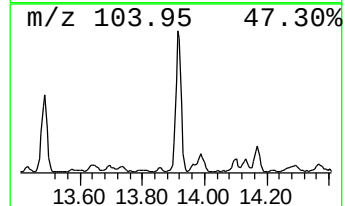
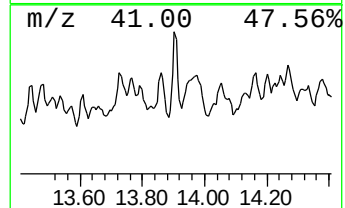
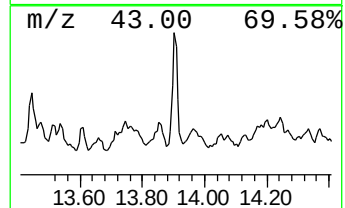
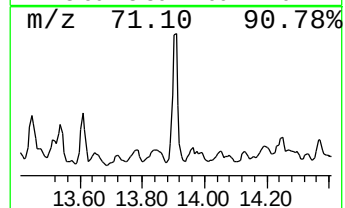
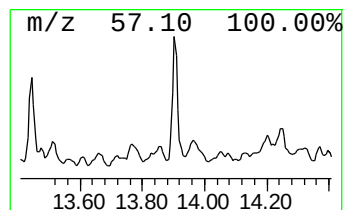
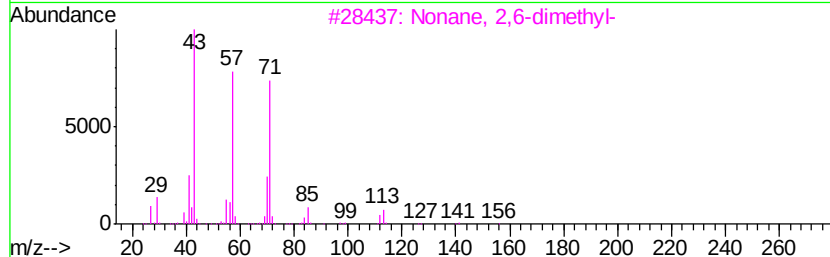
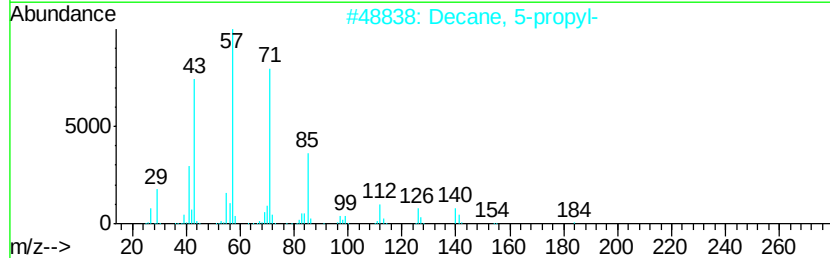
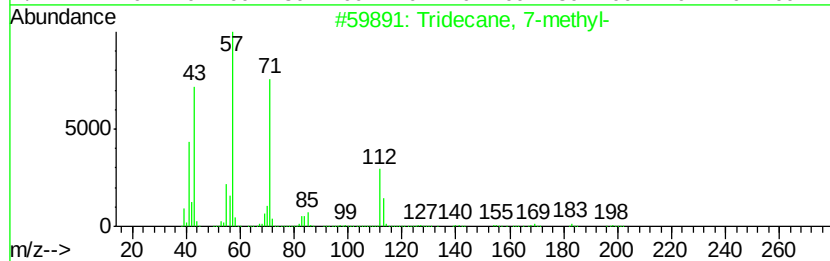
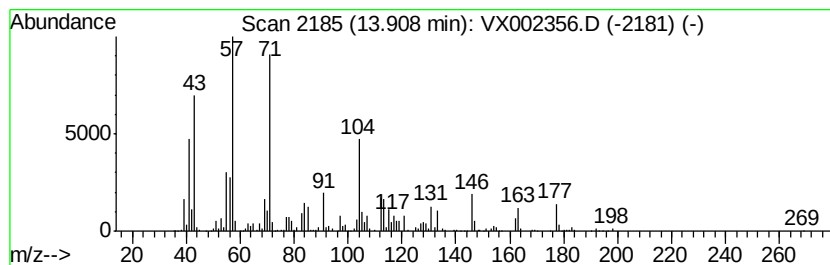
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Tridecane, 7-methyl- Concentration Rank 10

| R.T.      | EstConc                    | Area   | Relative to ISTD       | R.T.        |      |
|-----------|----------------------------|--------|------------------------|-------------|------|
| 13.91     | 24.20 ug/l                 | 479278 | 1,4-Dichlorobenzene-d4 | 12.09       |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm                | CAS#        | Qual |
| 1         | Tridecane, 7-methyl-       | 198    | C14H30                 | 026730-14-3 | 64   |
| 2         | Decane, 5-propyl-          | 184    | C13H28                 | 017312-62-8 | 38   |
| 3         | Nonane, 2,6-dimethyl-      | 156    | C11H24                 | 017302-28-2 | 38   |
| 4         | (+)-3-Methyl-1-penten-3-ol | 100    | C6H12O                 | 086361-10-6 | 35   |
| 5         | Phenmetrazine              | 177    | C11H15NO               | 000134-49-6 | 35   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002356.D  
Acq On : 06 Jun 2018 16:49  
Operator : JC/MD  
Sample : J3311-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

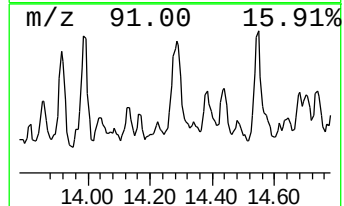
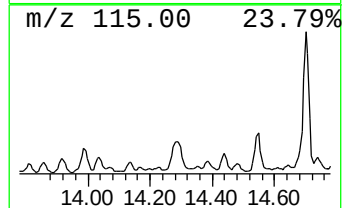
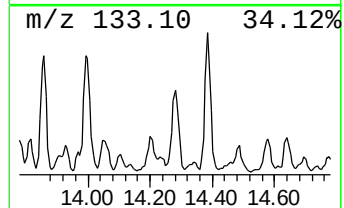
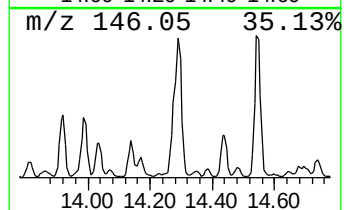
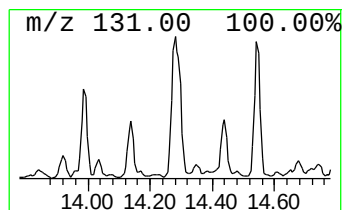
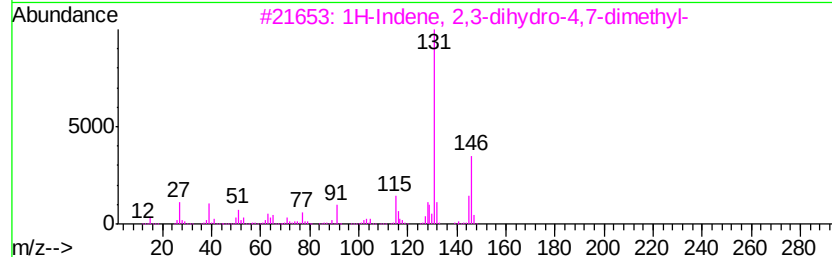
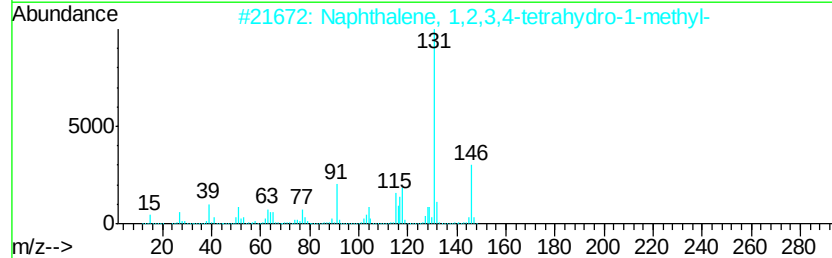
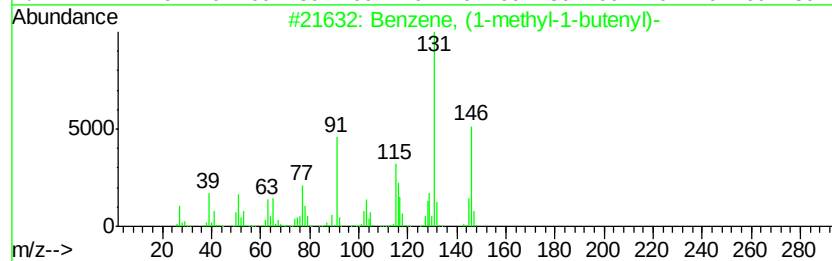
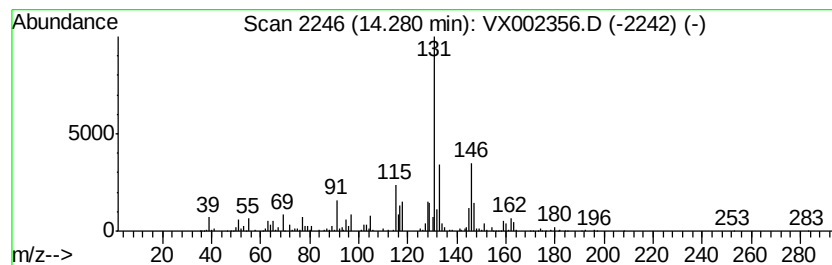
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, (1-methyl-1-butenyl)- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.28 | 26.81 ug/l | 530880 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 87   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 81   |
| 3    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 76   |
| 4    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 76   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 76   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002356.D  
Acq On : 06 Jun 2018 16:49  
Operator : JC/MD  
Sample : J3311-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

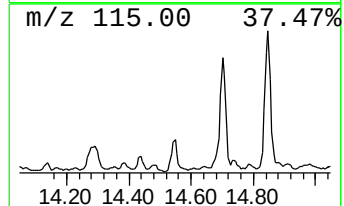
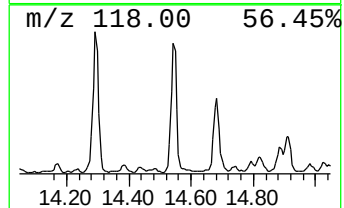
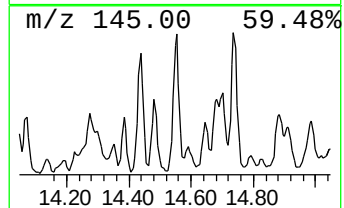
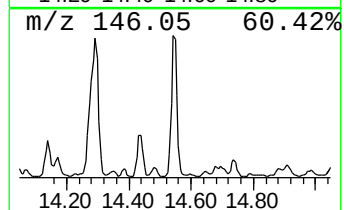
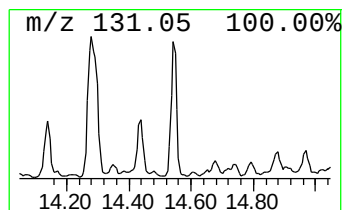
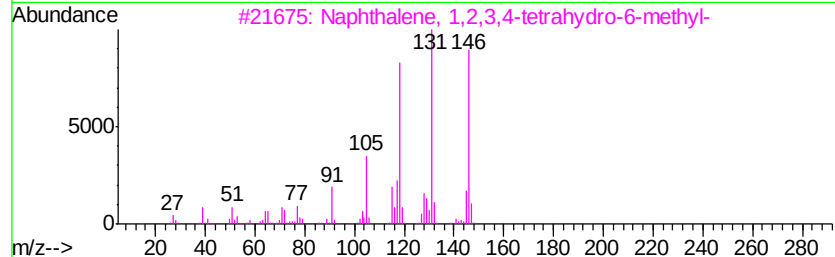
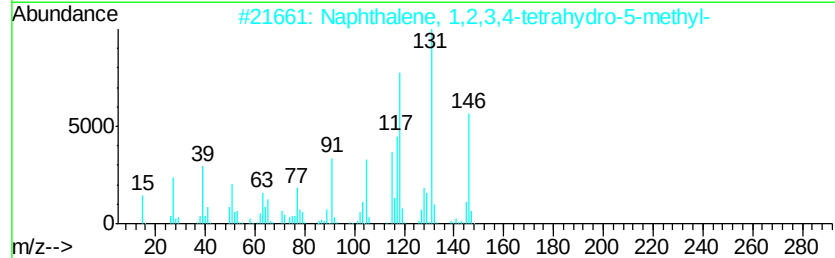
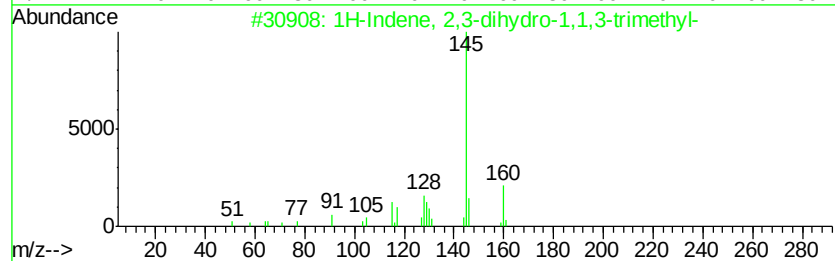
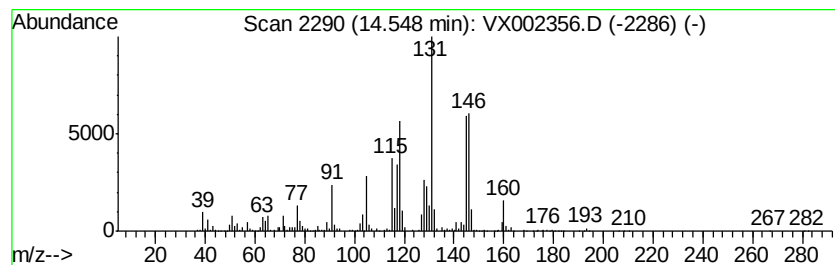
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 9

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.55   | 25.97 ug/l                          | 514358       | 1,4-Dichlorobenzene-d4 | 12.09     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 C12H16   | 002613-76-5            | 84        |
| 2       | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14   | 002809-64-5            | 76        |
| 3       | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14   | 001680-51-9            | 76        |
| 4       | 1H-Benzimidazole, 5,6-dimethyl-     | 146 C9H10N2  | 000582-60-5            | 64        |
| 5       | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 C10H10O  | 016017-24-6            | 62        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002356.D  
Acq On : 06 Jun 2018 16:49  
Operator : JC/MD  
Sample : J3311-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

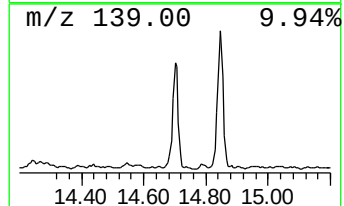
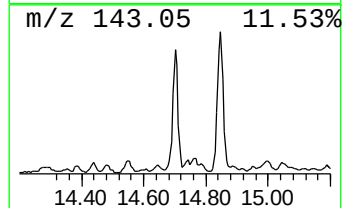
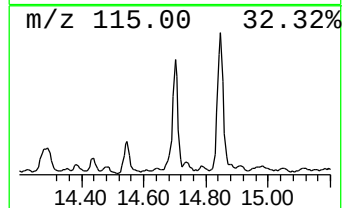
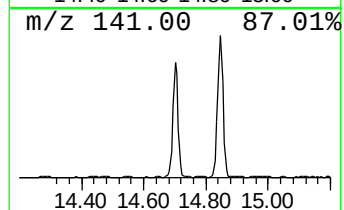
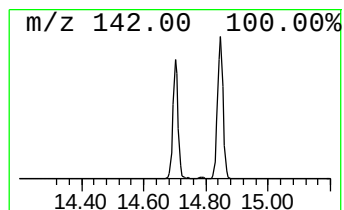
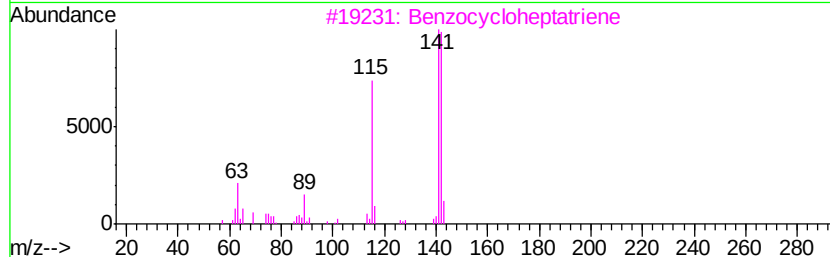
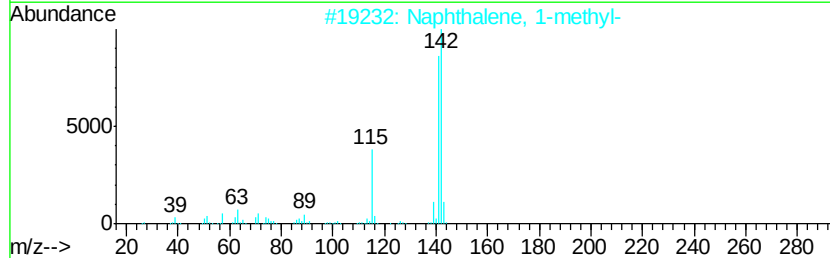
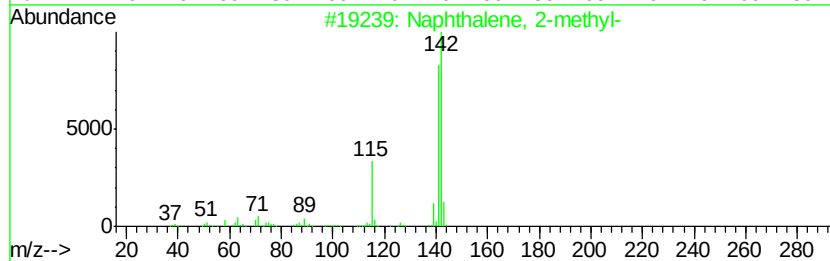
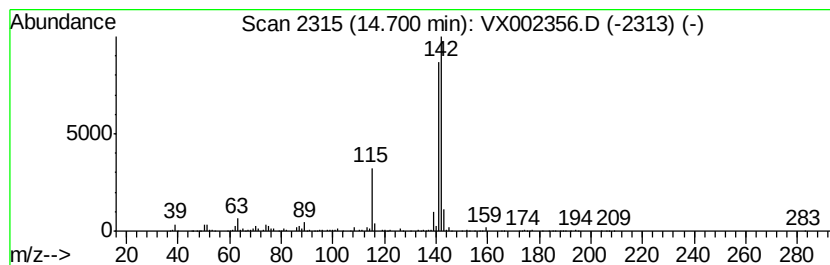
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.70 | 36.93 ug/l | 731436 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002356.D  
Acq On : 06 Jun 2018 16:49  
Operator : JC/MD  
Sample : J3311-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

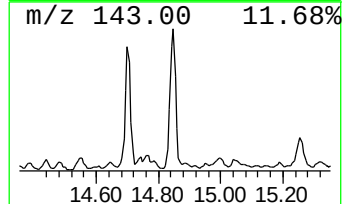
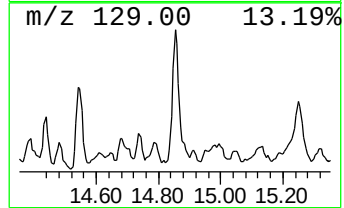
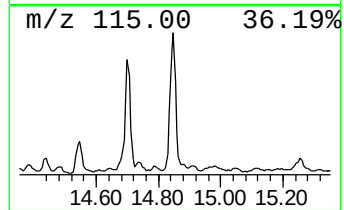
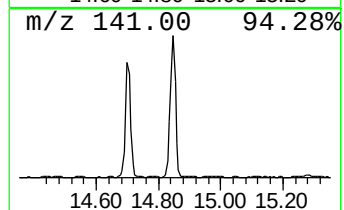
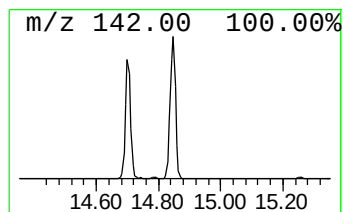
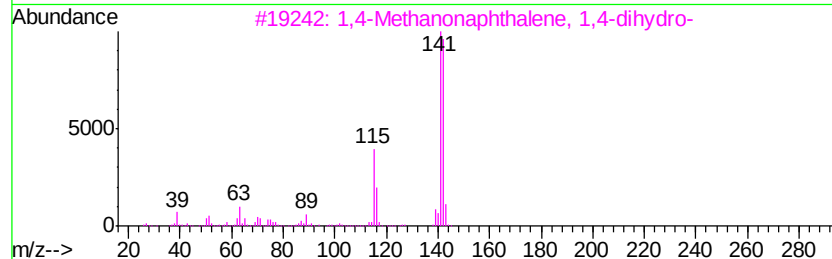
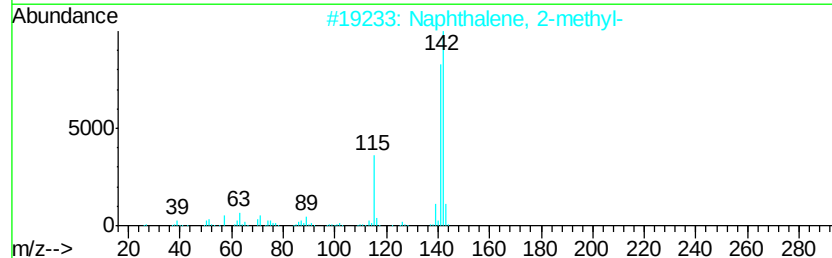
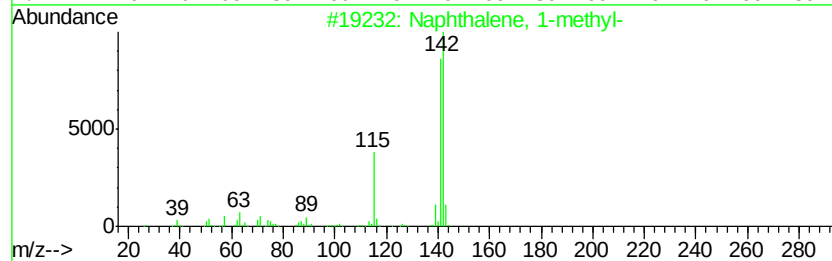
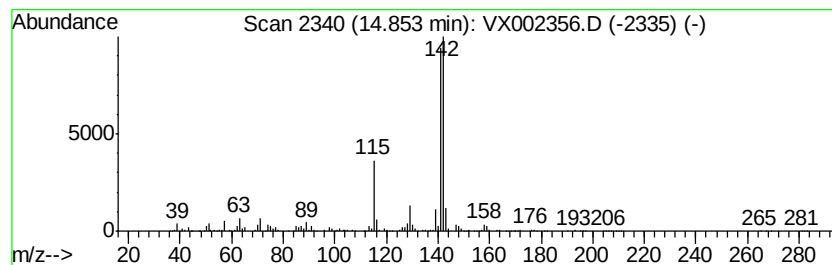
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.85 | 53.47 ug/l | 1058890 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | 1,4-Methanonaphthalene, 1,4-dihv... | 142 | C11H10  | 004453-90-1 | 93   |
| 4    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX060618\  
Data File : VX002356.D  
Acq On : 06 Jun 2018 16:49  
Operator : JC/MD  
Sample : J3311-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-05

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.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 |
| Indane               | 12.30 | 32.3    | ug/l  | 640112   | 4                     | 12.09 | 990262 | 50.0 |
| Benzene, 1,2,4,5-... | 12.98 | 30.9    | ug/l  | 610919   | 4                     | 12.09 | 990262 | 50.0 |
| Benzene, 2-butenyl-  | 13.35 | 85.8    | ug/l  | 1699570  | 4                     | 12.09 | 990262 | 50.0 |
| 1H-Indene, 2,3-di... | 13.73 | 26.4    | ug/l  | 522398   | 4                     | 12.09 | 990262 | 50.0 |
| Tridecane, 7-methyl- | 13.91 | 24.2    | ug/l  | 479278   | 4                     | 12.09 | 990262 | 50.0 |
| Benzene, (1-methy... | 14.28 | 26.8    | ug/l  | 530880   | 4                     | 12.09 | 990262 | 50.0 |
| 1H-Indene, 2,3-di... | 14.55 | 26.0    | ug/l  | 514358   | 4                     | 12.09 | 990262 | 50.0 |
| Naphthalene, 2-me... | 14.70 | 36.9    | ug/l  | 731436   | 4                     | 12.09 | 990262 | 50.0 |
| Naphthalene, 1-me... | 14.85 | 53.5    | ug/l  | 1058890  | 4                     | 12.09 | 990262 | 50.0 |