

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\  
 Data File : VX010543.D  
 Acq On : 28 Jun 2019 18:31  
 Operator : JC/SP  
 Sample : K3568-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW-1

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\82X061919W.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         | 4.409       | 522           | 534         | 542          | rVB3     | 13452          | 40966         | 1.42%           | 0.121%        |
| 2         | 5.501       | 700           | 713         | 721          | rBV2     | 134979         | 383514        | 13.27%          | 1.132%        |
| 3         | 5.659       | 731           | 739         | 753          | rVB      | 228584         | 646450        | 22.36%          | 1.908%        |
| 4         | 6.062       | 795           | 805         | 813          | rBV      | 130113         | 341466        | 11.81%          | 1.008%        |
| 5         | 6.147       | 813           | 819         | 827          | rVB2     | 44659          | 114753        | 3.97%           | 0.339%        |
| 6         | 6.860       | 925           | 936         | 951          | rBV      | 342805         | 814873        | 28.19%          | 2.405%        |
| 7         | 7.464       | 1026          | 1035        | 1045         | rBV2     | 40026          | 96571         | 3.34%           | 0.285%        |
| 8         | 8.713       | 1234          | 1240        | 1249         | rVB      | 726512         | 1125601       | 38.94%          | 3.323%        |
| 9         | 10.110      | 1464          | 1469        | 1478         | rBV      | 711877         | 969280        | 33.53%          | 2.861%        |
| 10        | 11.018      | 1612          | 1618        | 1631         | rVB      | 218852         | 279713        | 9.68%           | 0.826%        |
| 11        | 11.134      | 1632          | 1637        | 1643         | rBV      | 618094         | 792760        | 27.42%          | 2.340%        |
| 12        | 11.359      | 1669          | 1674        | 1683         | rBV      | 319279         | 392754        | 13.59%          | 1.159%        |
| 13        | 11.664      | 1720          | 1724        | 1732         | rVB2     | 39267          | 63929         | 2.21%           | 0.189%        |
| 14        | 11.768      | 1732          | 1741        | 1743         | rBV2     | 18565          | 30080         | 1.04%           | 0.089%        |
| 15        | 11.804      | 1743          | 1747        | 1752         | rVB      | 167343         | 200867        | 6.95%           | 0.593%        |
| 16        | 11.920      | 1758          | 1766        | 1767         | rBV      | 31913          | 45908         | 1.59%           | 0.136%        |
| 17        | 11.945      | 1767          | 1770        | 1777         | rVB      | 132967         | 167452        | 5.79%           | 0.494%        |
| 18        | 12.073      | 1786          | 1791        | 1798         | rBV      | 745597         | 992657        | 34.34%          | 2.930%        |
| 19        | 12.140      | 1798          | 1802        | 1806         | rVB      | 46963          | 55590         | 1.92%           | 0.164%        |
| 20        | 12.231      | 1812          | 1817        | 1821         | rVB      | 46074          | 56329         | 1.95%           | 0.166%        |
| 21        | 12.298      | 1822          | 1828        | 1833         | rVV      | 1295449        | 1609360       | 55.67%          | 4.751%        |
| 22        | 12.365      | 1834          | 1839        | 1849         | rVB2     | 152262         | 318944        | 11.03%          | 0.942%        |
| 23        | 12.457      | 1849          | 1854        | 1860         | rBV      | 119226         | 150346        | 5.20%           | 0.444%        |
| 24        | 12.585      | 1870          | 1875        | 1877         | rBV      | 79197          | 96121         | 3.32%           | 0.284%        |
| 25        | 12.609      | 1877          | 1879        | 1882         | rVV      | 37691          | 36930         | 1.28%           | 0.109%        |
| 26        | 12.664      | 1882          | 1888        | 1891         | rVV      | 567009         | 675314        | 23.36%          | 1.994%        |
| 27        | 12.701      | 1891          | 1894        | 1898         | rVV      | 216872         | 260857        | 9.02%           | 0.770%        |
| 28        | 12.755      | 1898          | 1903        | 1910         | rVB2     | 644152         | 947975        | 32.79%          | 2.798%        |
| 29        | 12.896      | 1920          | 1926        | 1931         | rVB3     | 81483          | 132360        | 4.58%           | 0.391%        |
| 30        | 12.975      | 1931          | 1939        | 1943         | rBV      | 453649         | 595661        | 20.60%          | 1.758%        |
| 31        | 13.018      | 1943          | 1946        | 1952         | rVB2     | 149918         | 179672        | 6.22%           | 0.530%        |
| 32        | 13.079      | 1952          | 1956        | 1963         | rVB2     | 98106          | 144872        | 5.01%           | 0.428%        |
| 33        | 13.146      | 1963          | 1967        | 1971         | rBV2     | 52874          | 87486         | 3.03%           | 0.258%        |
| 34        | 13.194      | 1971          | 1975        | 1976         | rVV2     | 129161         | 161868        | 5.60%           | 0.478%        |

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 ALS Vial : 20 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleId :  
 RW-1

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
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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\82X061919W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 13.225 | 1976 | 1980 | 1990 | rVV  | 562797  | 767060  | 26.53%  | 2.264% |
| 36 | 13.310 | 1990 | 1994 | 1995 | rVV2 | 73995   | 90482   | 3.13%   | 0.267% |
| 37 | 13.347 | 1995 | 2000 | 2006 | rVV2 | 1400224 | 2020295 | 69.89%  | 5.964% |
| 38 | 13.402 | 2006 | 2009 | 2010 | rVV2 | 63832   | 75027   | 2.60%   | 0.221% |
| 39 | 13.420 | 2010 | 2012 | 2015 | rVV  | 73560   | 93950   | 3.25%   | 0.277% |
| 40 | 13.481 | 2018 | 2022 | 2029 | rVB2 | 104121  | 144098  | 4.98%   | 0.425% |
| 41 | 13.560 | 2029 | 2035 | 2038 | rBV2 | 126065  | 178700  | 6.18%   | 0.528% |
| 42 | 13.597 | 2038 | 2041 | 2044 | rVV  | 279283  | 372488  | 12.88%  | 1.100% |
| 43 | 13.639 | 2044 | 2048 | 2052 | rVV2 | 304956  | 493291  | 17.06%  | 1.456% |
| 44 | 13.694 | 2052 | 2057 | 2058 | rVV2 | 175308  | 279422  | 9.67%   | 0.825% |
| 45 | 13.719 | 2058 | 2061 | 2069 | rVB2 | 361299  | 555024  | 19.20%  | 1.638% |
| 46 | 13.804 | 2069 | 2075 | 2078 | rBV  | 51389   | 68641   | 2.37%   | 0.203% |
| 47 | 13.853 | 2078 | 2083 | 2088 | rVB3 | 71395   | 106204  | 3.67%   | 0.314% |
| 48 | 13.908 | 2088 | 2092 | 2097 | rVB  | 381277  | 454759  | 15.73%  | 1.342% |
| 49 | 13.981 | 2097 | 2104 | 2108 | rBV2 | 471229  | 651499  | 22.54%  | 1.923% |
| 50 | 14.024 | 2108 | 2111 | 2115 | rVV  | 147437  | 189046  | 6.54%   | 0.558% |
| 51 | 14.060 | 2115 | 2117 | 2124 | rVB3 | 32982   | 40002   | 1.38%   | 0.118% |
| 52 | 14.133 | 2124 | 2129 | 2132 | rBV  | 298140  | 387762  | 13.41%  | 1.145% |
| 53 | 14.286 | 2146 | 2154 | 2161 | rBV3 | 565358  | 1128705 | 39.04%  | 3.332% |
| 54 | 14.377 | 2165 | 2169 | 2173 | rVV  | 187882  | 245664  | 8.50%   | 0.725% |
| 55 | 14.426 | 2173 | 2177 | 2182 | rVV  | 347875  | 444961  | 15.39%  | 1.314% |
| 56 | 14.475 | 2182 | 2185 | 2190 | rVB2 | 60235   | 77782   | 2.69%   | 0.230% |
| 57 | 14.536 | 2190 | 2195 | 2200 | rBV2 | 551162  | 740826  | 25.63%  | 2.187% |
| 58 | 14.578 | 2200 | 2202 | 2208 | rVB2 | 29303   | 40286   | 1.39%   | 0.119% |
| 59 | 14.694 | 2208 | 2221 | 2225 | rBV  | 1265945 | 1923517 | 66.54%  | 5.678% |
| 60 | 14.731 | 2225 | 2227 | 2231 | rVV2 | 163752  | 173905  | 6.02%   | 0.513% |
| 61 | 14.779 | 2231 | 2235 | 2239 | rVV2 | 70461   | 93226   | 3.22%   | 0.275% |
| 62 | 14.834 | 2239 | 2244 | 2249 | rVV  | 2211204 | 2890875 | 100.00% | 8.534% |
| 63 | 14.871 | 2249 | 2250 | 2253 | rVV2 | 115986  | 123736  | 4.28%   | 0.365% |
| 64 | 14.901 | 2253 | 2255 | 2259 | rVB3 | 75732   | 95341   | 3.30%   | 0.281% |
| 65 | 14.962 | 2259 | 2265 | 2271 | rBV3 | 78133   | 162333  | 5.62%   | 0.479% |
| 66 | 15.029 | 2272 | 2276 | 2282 | rVB3 | 21687   | 45805   | 1.58%   | 0.135% |
| 67 | 15.109 | 2283 | 2289 | 2293 | rBV2 | 35840   | 56258   | 1.95%   | 0.166% |
| 68 | 15.249 | 2306 | 2312 | 2319 | rVV  | 210761  | 365974  | 12.66%  | 1.080% |
| 69 | 15.322 | 2319 | 2324 | 2331 | rVB5 | 53286   | 88697   | 3.07%   | 0.262% |
| 70 | 15.444 | 2338 | 2344 | 2346 | rBV  | 165876  | 245788  | 8.50%   | 0.726% |
| 71 | 15.474 | 2346 | 2349 | 2354 | rVB  | 142479  | 191725  | 6.63%   | 0.566% |

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 RW-1

## 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\_X\METHOD\82X061919W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 15.542 | 2354 | 2360 | 2366 | rBV  | 574272 | 964359  | 33.36% | 2.847% |
| 73 | 15.590 | 2366 | 2368 | 2374 | rVV4 | 64294  | 97198   | 3.36%  | 0.287% |
| 74 | 15.682 | 2374 | 2383 | 2387 | rVV  | 821130 | 1390685 | 48.11% | 4.105% |
| 75 | 15.724 | 2387 | 2390 | 2397 | rVB  | 441150 | 645103  | 22.32% | 1.904% |
| 76 | 15.804 | 2397 | 2403 | 2410 | rBV3 | 39146  | 84575   | 2.93%  | 0.250% |
| 77 | 15.913 | 2411 | 2421 | 2437 | rVB  | 242651 | 675477  | 23.37% | 1.994% |
| 78 | 16.066 | 2440 | 2446 | 2458 | rVB  | 166278 | 295811  | 10.23% | 0.873% |
| 79 | 16.163 | 2458 | 2462 | 2468 | rBV  | 24018  | 44945   | 1.55%  | 0.133% |
| 80 | 16.273 | 2477 | 2480 | 2487 | rVB3 | 29650  | 51838   | 1.79%  | 0.153% |
| 81 | 16.346 | 2487 | 2492 | 2494 | rBV  | 17293  | 29517   | 1.02%  | 0.087% |
| 82 | 16.383 | 2494 | 2498 | 2500 | rVV4 | 22424  | 41424   | 1.43%  | 0.122% |
| 83 | 16.438 | 2500 | 2507 | 2515 | rVV2 | 52752  | 148098  | 5.12%  | 0.437% |
| 84 | 16.505 | 2515 | 2518 | 2523 | rVB3 | 20294  | 32837   | 1.14%  | 0.097% |
| 85 | 16.566 | 2523 | 2528 | 2532 | rBV3 | 19758  | 34681   | 1.20%  | 0.102% |
| 86 | 16.651 | 2532 | 2542 | 2543 | rBV7 | 20092  | 50872   | 1.76%  | 0.150% |
| 87 | 16.688 | 2543 | 2548 | 2553 | rVB  | 51226  | 93877   | 3.25%  | 0.277% |
| 88 | 16.749 | 2553 | 2558 | 2564 | rBV2 | 43061  | 82012   | 2.84%  | 0.242% |

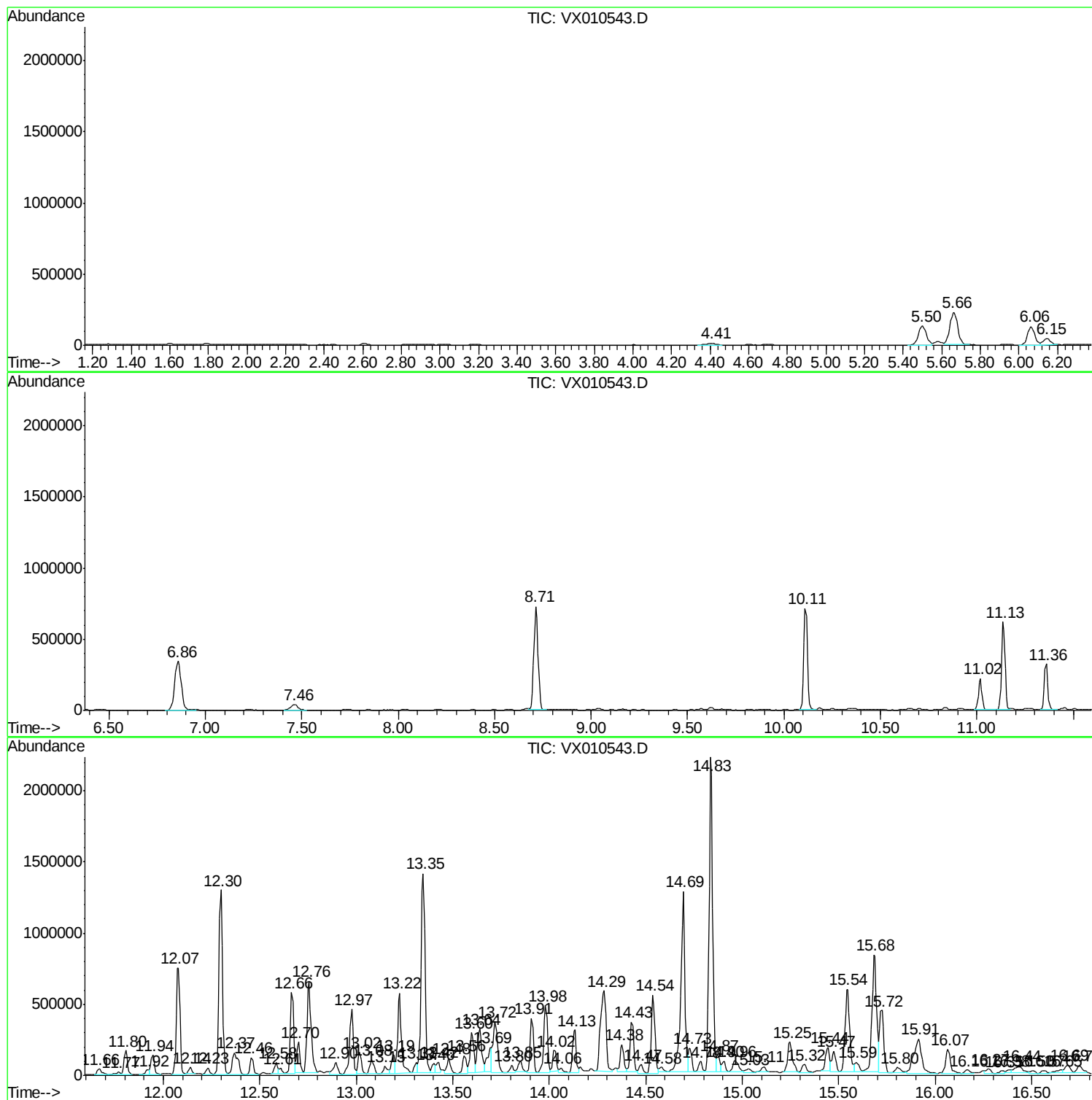
Sum of corrected areas: 33875742

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\  
Data File : VX010543.D  
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Sample : K3568-01  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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



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Sample : K3568-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

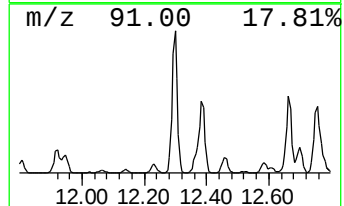
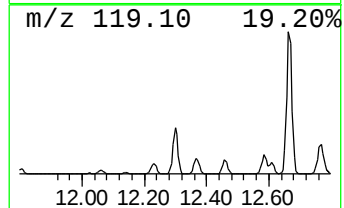
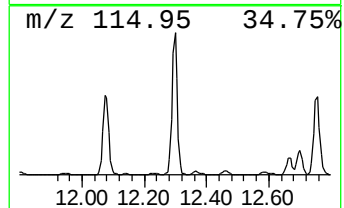
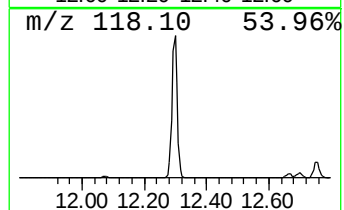
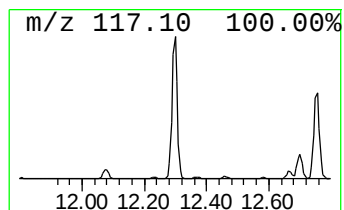
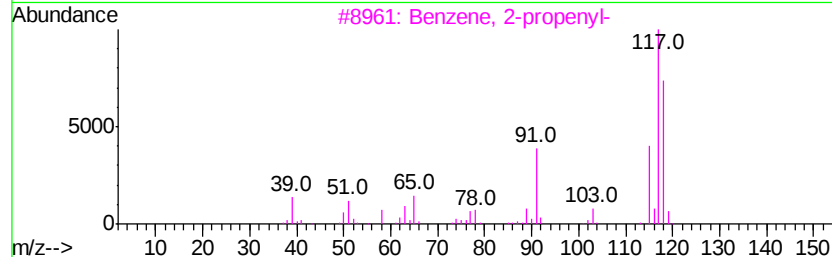
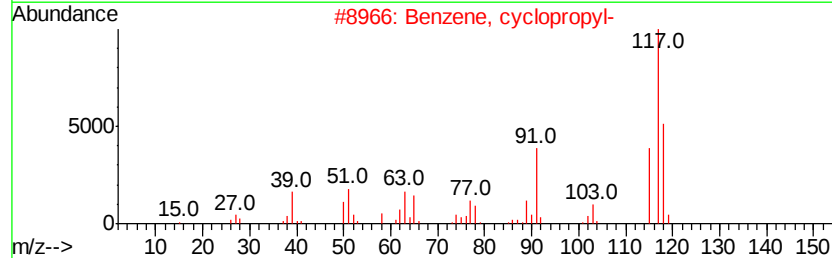
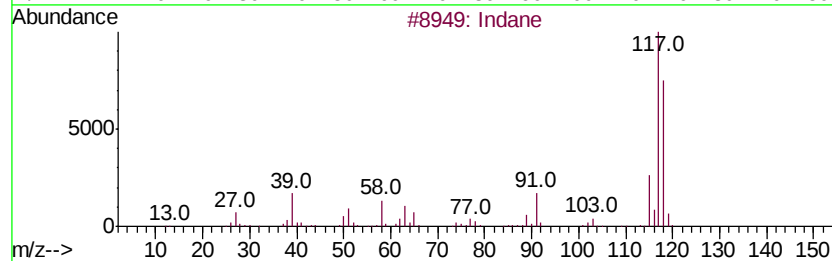
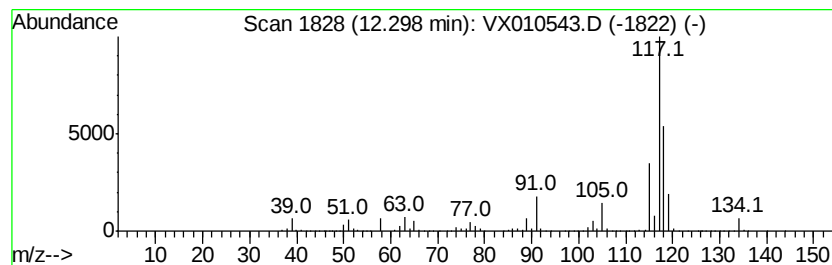
Instrument :  
MSVOA\_X  
ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Indane Concentration Rank 4

| R.T.    | EstConc                      | Area         | Relative to ISTD       | R.T.           |
|---------|------------------------------|--------------|------------------------|----------------|
| 12.30   | 81.06 ug/l                   | 1609360      | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5                            | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | Indane                       |              | 118 C9H10              | 000496-11-7 76 |
| 2       | Benzene, cyclopropyl-        |              | 118 C9H10              | 000873-49-4 70 |
| 3       | Benzene, 2-propenyl-         |              | 118 C9H10              | 000300-57-2 68 |
| 4       | Deltacyclene                 |              | 118 C9H10              | 007785-10-6 58 |
| 5       | Benzene, 1-ethenyl-2-methyl- |              | 118 C9H10              | 000611-15-4 55 |



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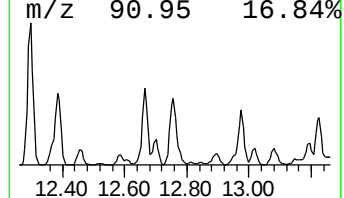
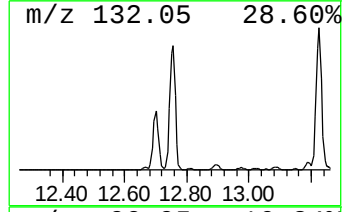
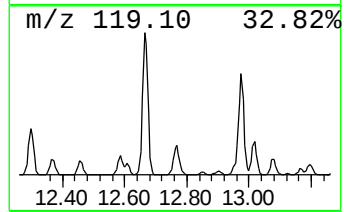
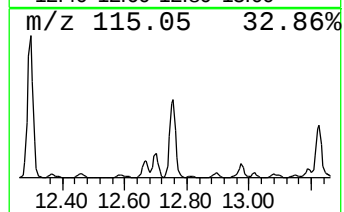
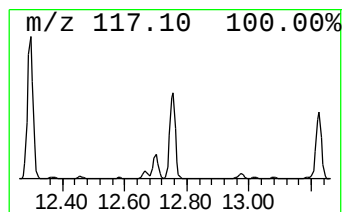
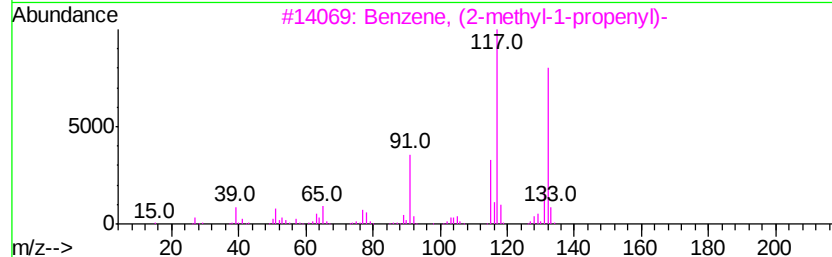
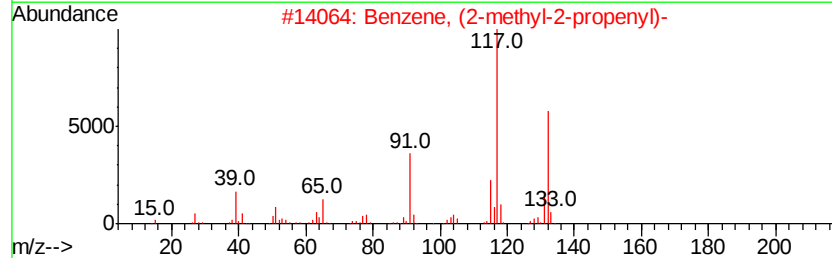
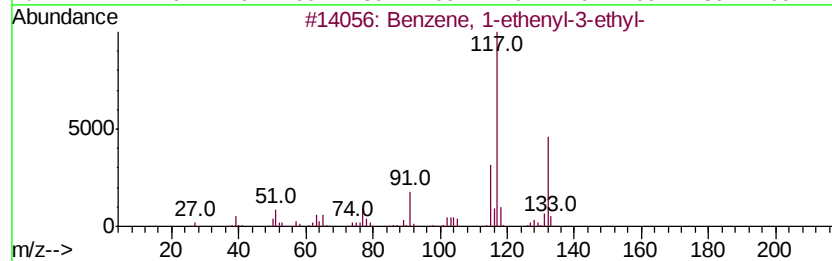
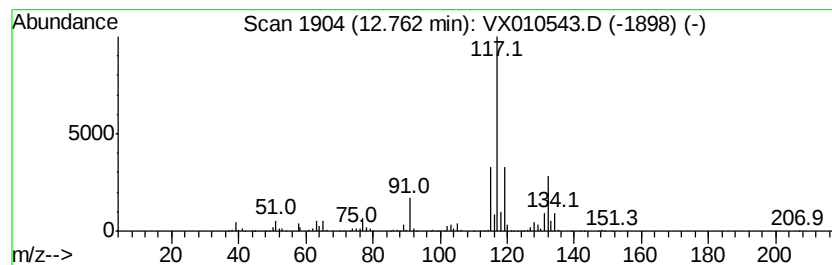
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.76 | 47.75 ug/l | 947975 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-3-ethyl-          | 132 | C10H12  | 007525-62-4 | 90   |
| 2    |    | Benzene, (2-methyl-2-propenyl)-      | 132 | C10H12  | 003290-53-7 | 83   |
| 3    |    | Benzene, (2-methyl-1-propenyl)-      | 132 | C10H12  | 000768-49-0 | 81   |
| 4    |    | Indan, 1-methyl-                     | 132 | C10H12  | 000767-58-8 | 81   |
| 5    |    | Benzene, (1-methyl-1-propenyl)-, ... | 132 | C10H12  | 000768-00-3 | 74   |



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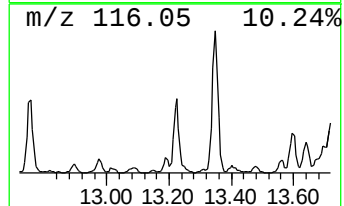
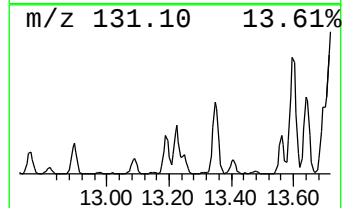
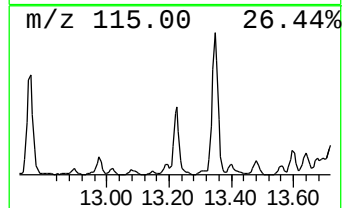
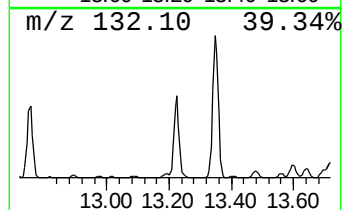
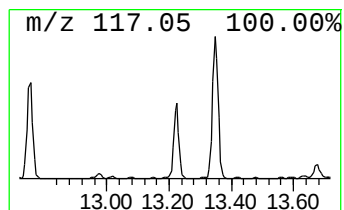
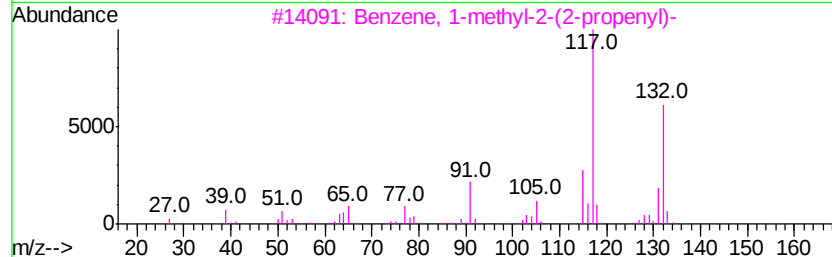
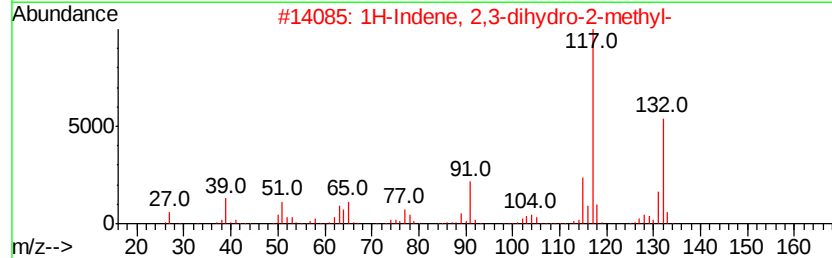
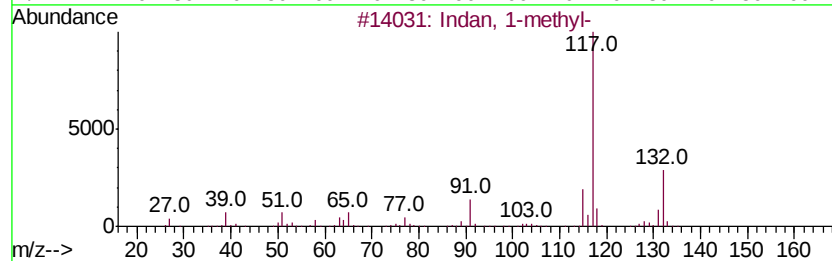
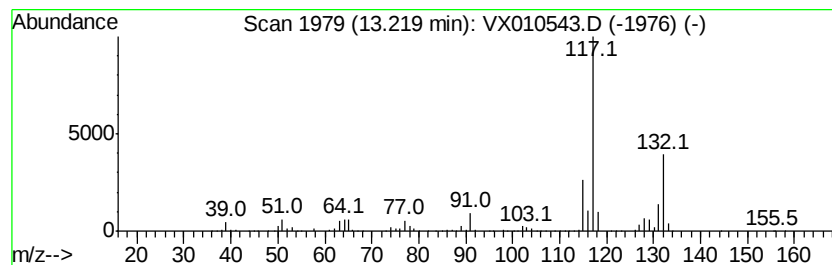
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Indan, 1-methyl- Concentration Rank 9

| R.T.    | EstConc                           | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------------------|--------------|------------------------|-----------|
| 13.22   | 38.64 ug/l                        | 767060       | 1,4-Dichlorobenzene-d4 | 12.08     |
| Hit# of | 5                                 | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Indan, 1-methyl-                  | 132 C10H12   | 000767-58-8            | 91        |
| 2       | 1H-Indene, 2,3-dihydro-2-methyl-  | 132 C10H12   | 000824-63-5            | 91        |
| 3       | Benzene, 1-methyl-2-(2-propenyl)- | 132 C10H12   | 001587-04-8            | 91        |
| 4       | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 C10H12   | 000824-22-6            | 90        |
| 5       | Benzene, (2-methyl-1-propenyl)-   | 132 C10H12   | 000768-49-0            | 90        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\  
Data File : VX010543.D  
Acq On : 28 Jun 2019 18:31  
Operator : JC/SP  
Sample : K3568-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

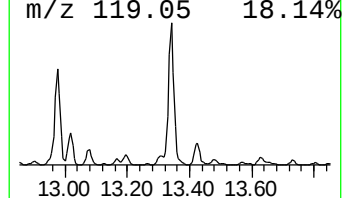
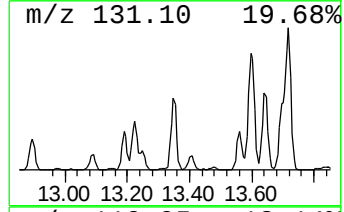
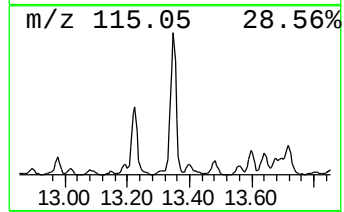
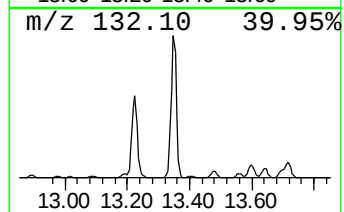
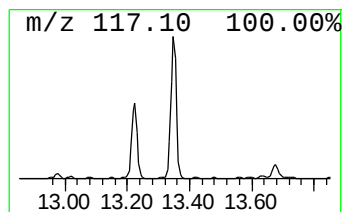
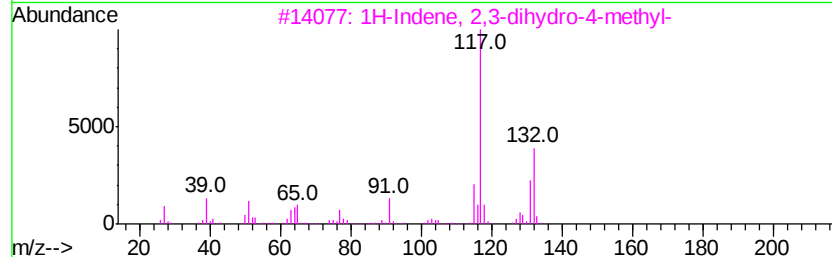
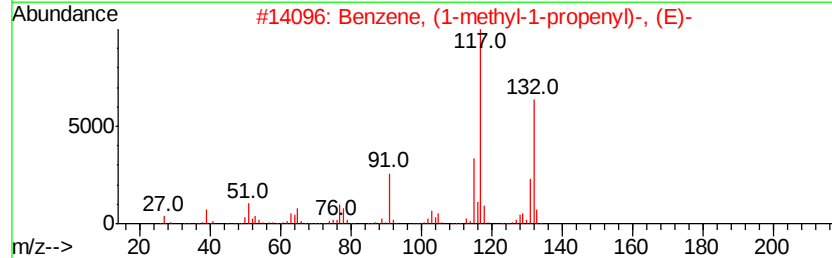
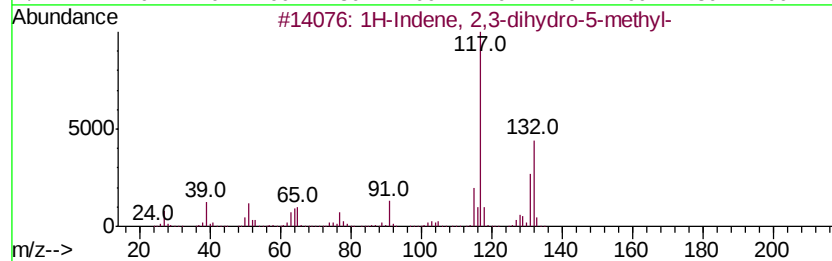
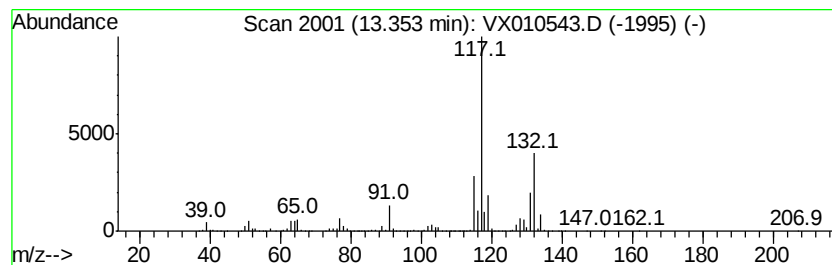
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 13.35 | 101.76 ug/l | 2020300 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 83   |
| 2    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 70   |
| 3    |    | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 70   |
| 4    |    | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 70   |
| 5    |    | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\  
Data File : VX010543.D  
Acq On : 28 Jun 2019 18:31  
Operator : JC/SP  
Sample : K3568-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

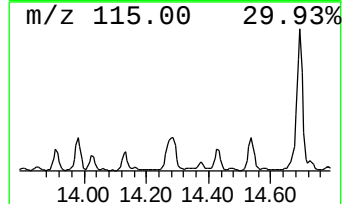
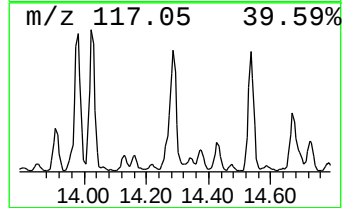
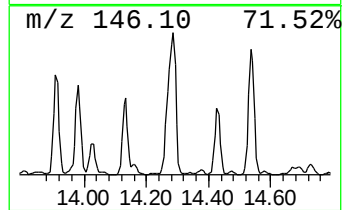
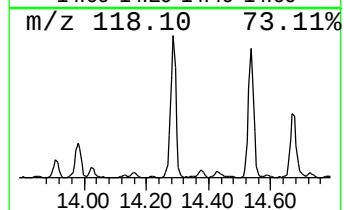
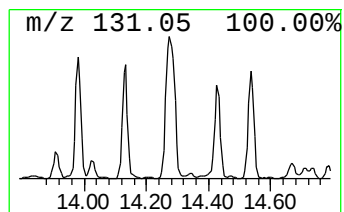
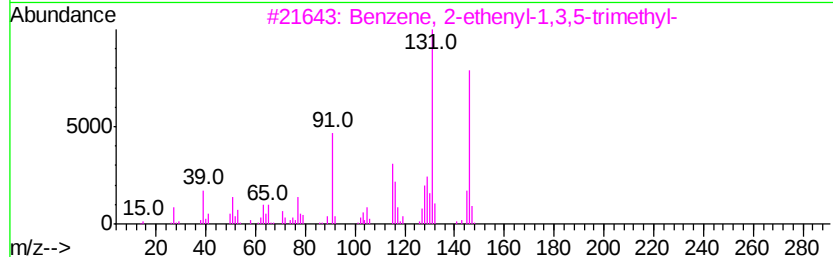
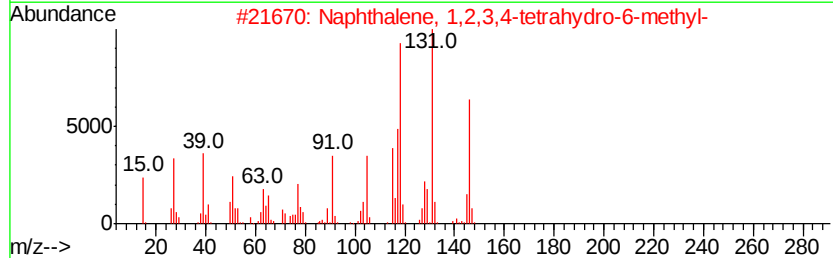
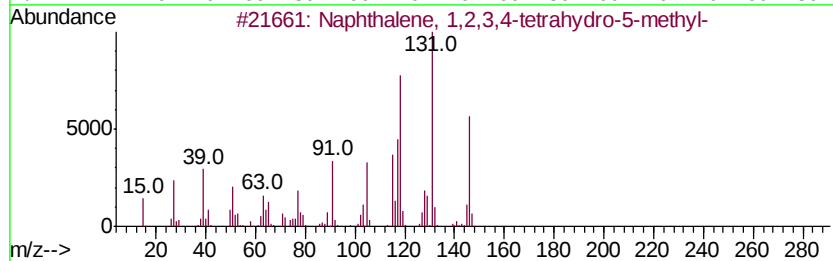
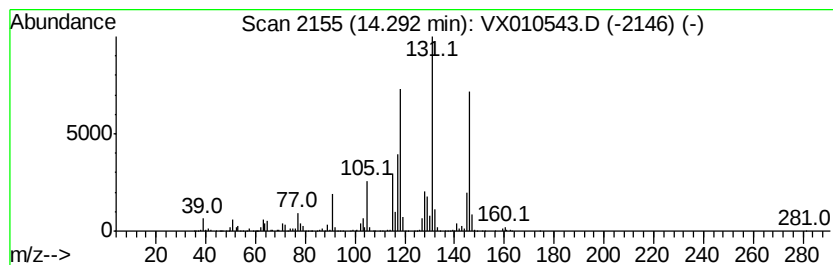
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.29 | 56.85 ug/l | 1128710 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 97   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 96   |
| 3    |    | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5 | 89   |
| 4    |    | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O | 017496-14-9 | 76   |
| 5    |    | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 70   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\  
Data File : VX010543.D  
Acq On : 28 Jun 2019 18:31  
Operator : JC/SP  
Sample : K3568-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

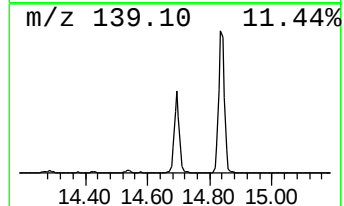
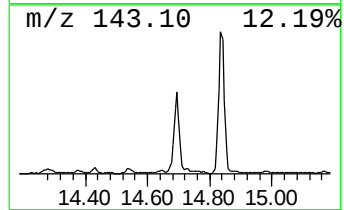
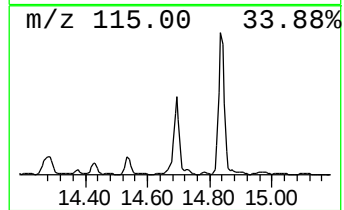
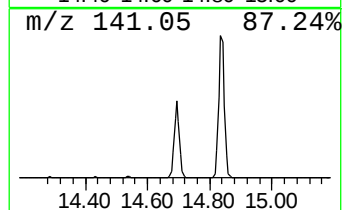
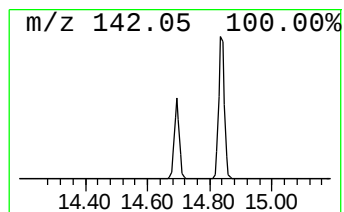
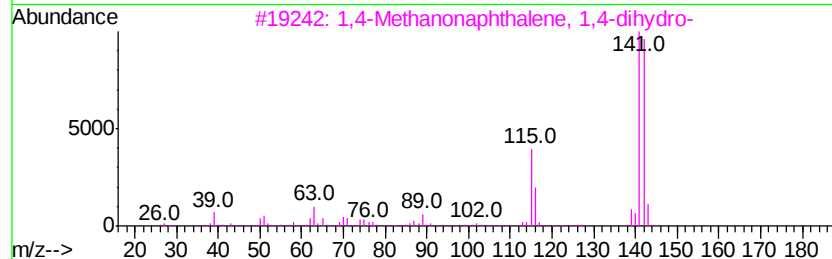
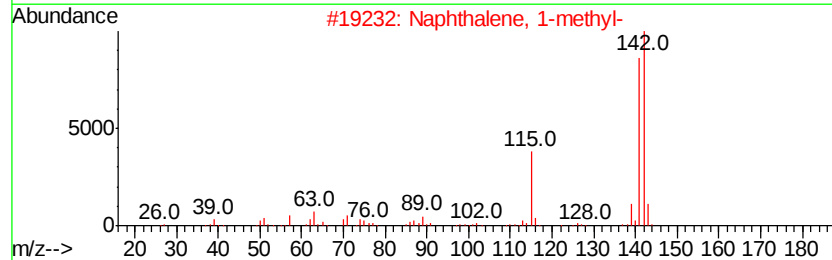
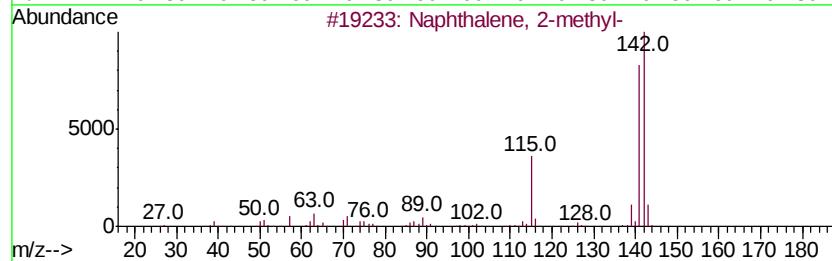
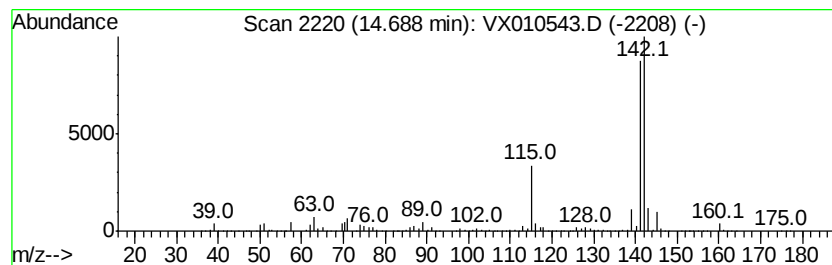
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.69 | 96.89 ug/l | 1923520 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | 1,4-Methanonaphthalene, 1,4-dihv... | 142 | C11H10  | 004453-90-1 | 91   |
| 4    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\  
Data File : VX010543.D  
Acq On : 28 Jun 2019 18:31  
Operator : JC/SP  
Sample : K3568-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

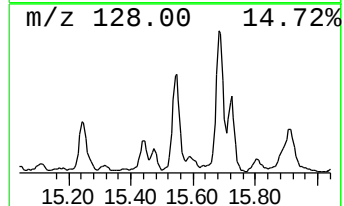
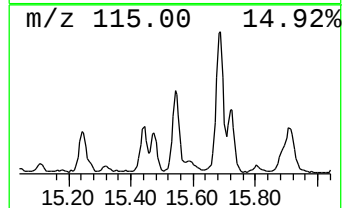
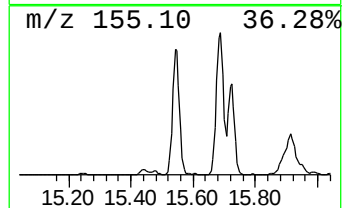
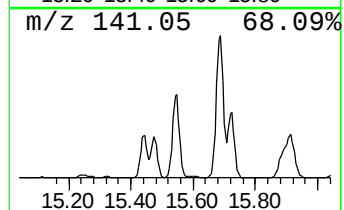
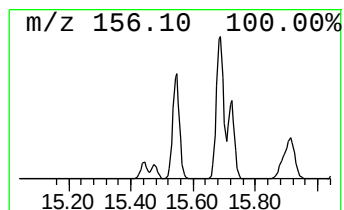
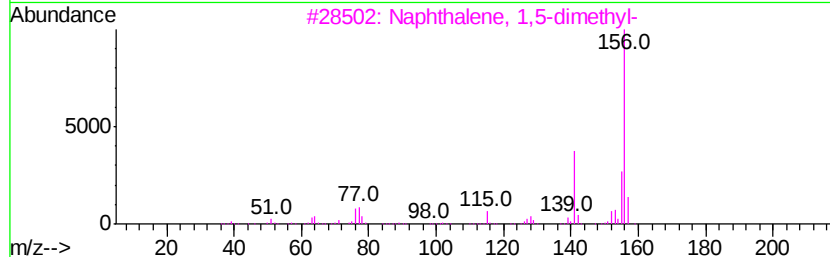
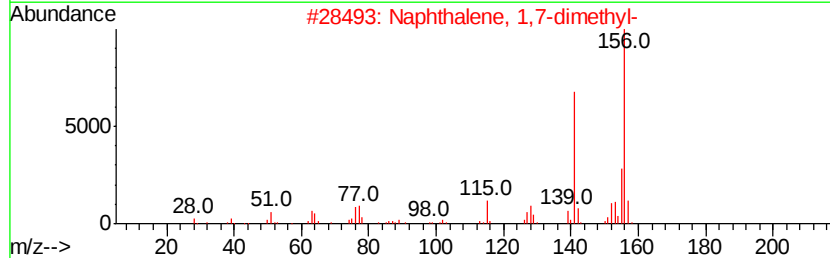
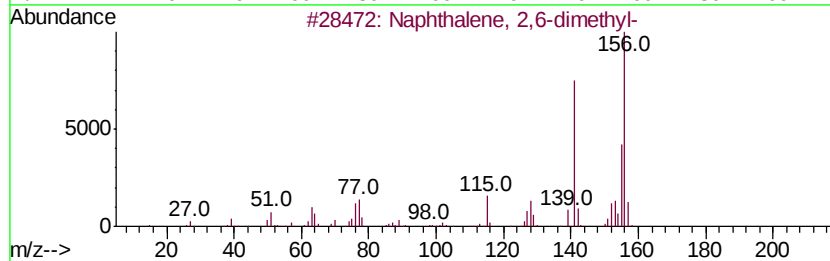
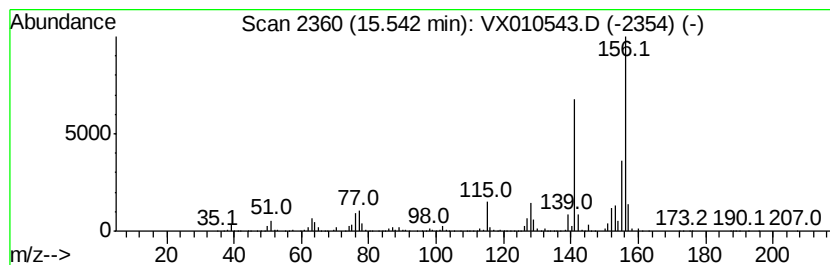
Instrument :  
MSVOA\_X  
ClientSampleId :  
RW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 7

| R.T.    | EstConc                    | Area         | Relative to ISTD       | R.T.      |
|---------|----------------------------|--------------|------------------------|-----------|
| 15.54   | 48.57 ug/l                 | 964359       | 1,4-Dichlorobenzene-d4 | 12.08     |
| Hit# of | 5                          | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Naphthalene, 2,6-dimethyl- | 156 C12H12   | 000581-42-0            | 98        |
| 2       | Naphthalene, 1,7-dimethyl- | 156 C12H12   | 000575-37-1            | 97        |
| 3       | Naphthalene, 1,5-dimethyl- | 156 C12H12   | 000571-61-9            | 97        |
| 4       | Naphthalene, 1,3-dimethyl- | 156 C12H12   | 000575-41-7            | 97        |
| 5       | Naphthalene, 1,4-dimethyl- | 156 C12H12   | 000571-58-4            | 97        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\  
Data File : VX010543.D  
Acq On : 28 Jun 2019 18:31  
Operator : JC/SP  
Sample : K3568-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

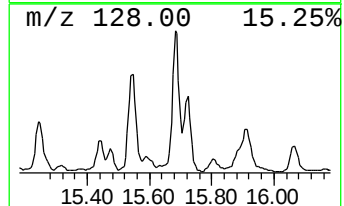
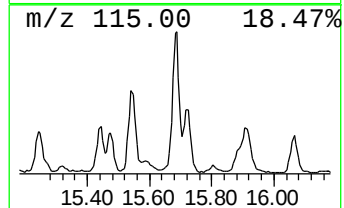
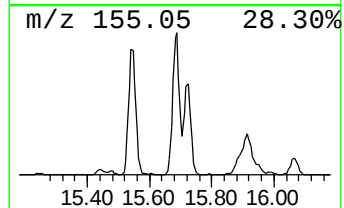
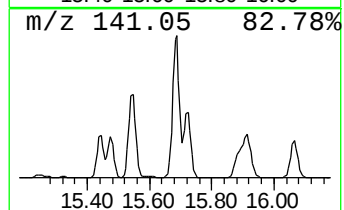
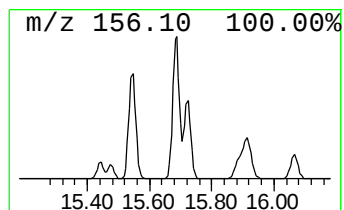
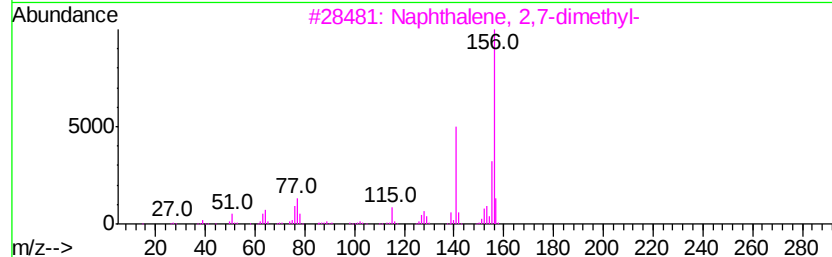
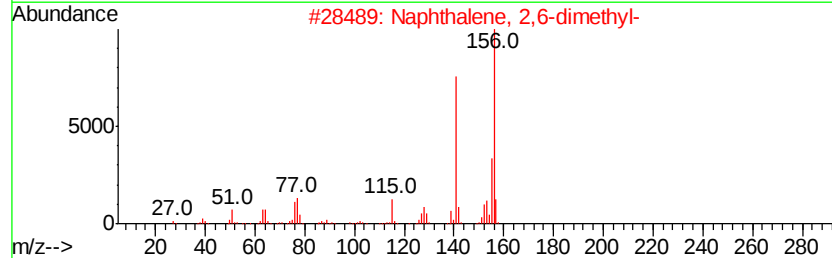
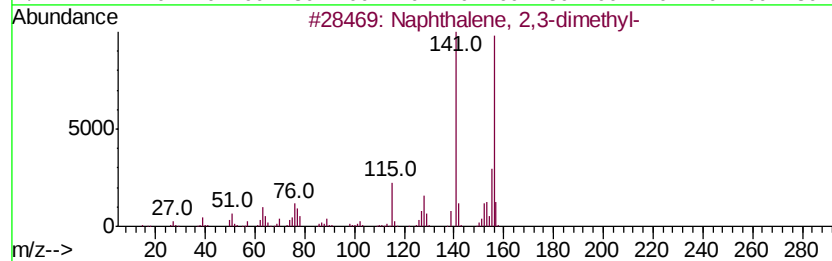
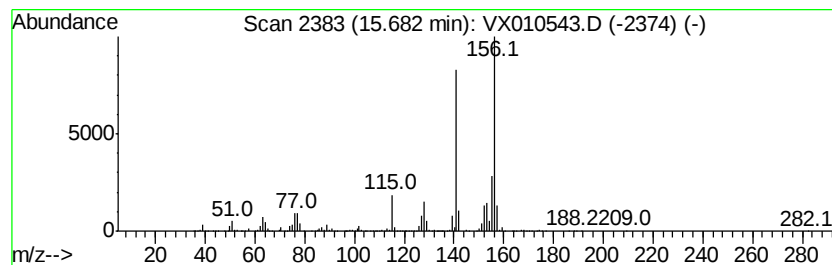
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.68 | 70.05 ug/l | 1390690 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 3    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 4    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 5    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX062819\  
Data File : VX010543.D  
Acq On : 28 Jun 2019 18:31  
Operator : JC/SP  
Sample : K3568-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.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 | 81.1    | ug/l  | 1609360  | 4                     | 12.08 | 992657 | 50.0 |
| Benzene, 1-etheny... | 12.76 | 47.8    | ug/l  | 947975   | 4                     | 12.08 | 992657 | 50.0 |
| Indan, 1-methyl-     | 13.22 | 38.6    | ug/l  | 767060   | 4                     | 12.08 | 992657 | 50.0 |
| 1H-Indene, 2,3-di... | 13.35 | 101.8   | ug/l  | 2020300  | 4                     | 12.08 | 992657 | 50.0 |
| Naphthalene, 1,2,... | 14.29 | 56.9    | ug/l  | 1128710  | 4                     | 12.08 | 992657 | 50.0 |
| Naphthalene, 1-me... | 14.69 | 96.9    | ug/l  | 1923520  | 4                     | 12.08 | 992657 | 50.0 |
| Naphthalene, 2,6-... | 15.54 | 48.6    | ug/l  | 964359   | 4                     | 12.08 | 992657 | 50.0 |
| Naphthalene, 2,3-... | 15.68 | 70.0    | ug/l  | 1390690  | 4                     | 12.08 | 992657 | 50.0 |