

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
 Data File : VX041324.D  
 Acq On : 01 May 2024 14:21  
 Operator : JC/MD  
 Sample : P2264-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T2-MW-3-8.0-042424

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\82X043024W.M  
 Title : SW846 8260

Signal : TIC: VX041324.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.611       | 69            | 86          | 87           | rBV10    | 8199           | 33692         | 2.62%           | 0.276%        |
| 2         | 2.770       | 263           | 276         | 279          | rBV      | 19922          | 42373         | 3.29%           | 0.347%        |
| 3         | 2.812       | 279           | 283         | 305          | rVB      | 42053          | 105658        | 8.20%           | 0.865%        |
| 4         | 3.093       | 320           | 329         | 340          | rBV      | 47174          | 102405        | 7.95%           | 0.838%        |
| 5         | 3.727       | 423           | 433         | 442          | rBV      | 10463          | 26144         | 2.03%           | 0.214%        |
| 6         | 3.830       | 442           | 450         | 466          | rVB2     | 9035           | 23511         | 1.82%           | 0.192%        |
| 7         | 4.202       | 503           | 511         | 517          | rVV3     | 5627           | 16634         | 1.29%           | 0.136%        |
| 8         | 4.294       | 517           | 526         | 538          | rVV2     | 50546          | 143741        | 11.16%          | 1.177%        |
| 9         | 4.422       | 538           | 547         | 562          | rVB4     | 8596           | 27798         | 2.16%           | 0.228%        |
| 10        | 5.129       | 649           | 663         | 664          | rBV5     | 6524           | 17686         | 1.37%           | 0.145%        |
| 11        | 5.385       | 694           | 705         | 713          | rBV2     | 94238          | 281613        | 21.86%          | 2.305%        |
| 12        | 5.464       | 713           | 718         | 724          | rVV3     | 18992          | 50063         | 3.89%           | 0.410%        |
| 13        | 5.550       | 724           | 732         | 741          | rVV      | 150230         | 398595        | 30.94%          | 3.263%        |
| 14        | 5.824       | 765           | 777         | 790          | rBV5     | 21957          | 71136         | 5.52%           | 0.582%        |
| 15        | 5.952       | 790           | 798         | 814          | rBV      | 93344          | 253397        | 19.67%          | 2.074%        |
| 16        | 6.159       | 824           | 832         | 840          | rBV5     | 16182          | 60821         | 4.72%           | 0.498%        |
| 17        | 6.245       | 841           | 846         | 855          | rVV3     | 24581          | 70578         | 5.48%           | 0.578%        |
| 18        | 6.354       | 855           | 864         | 878          | rVB3     | 28966          | 82669         | 6.42%           | 0.677%        |
| 19        | 6.598       | 893           | 904         | 912          | rBV3     | 7217           | 18089         | 1.40%           | 0.148%        |
| 20        | 6.763       | 921           | 931         | 940          | rBV      | 228972         | 597307        | 46.36%          | 4.889%        |
| 21        | 6.848       | 941           | 945         | 957          | rVV5     | 37948          | 97423         | 7.56%           | 0.797%        |
| 22        | 6.976       | 957           | 966         | 973          | rVB3     | 9782           | 23284         | 1.81%           | 0.191%        |
| 23        | 7.062       | 973           | 980         | 989          | rVB4     | 5943           | 15127         | 1.17%           | 0.124%        |
| 24        | 7.165       | 989           | 997         | 1006         | rBV      | 43721          | 102249        | 7.94%           | 0.837%        |
| 25        | 7.373       | 1018          | 1031        | 1044         | rBV2     | 60561          | 165646        | 12.86%          | 1.356%        |
| 26        | 7.494       | 1044          | 1051        | 1056         | rBV3     | 7447           | 15192         | 1.18%           | 0.124%        |
| 27        | 7.562       | 1056          | 1062        | 1067         | rVV2     | 8289           | 18083         | 1.40%           | 0.148%        |
| 28        | 7.653       | 1071          | 1077        | 1090         | rVB2     | 12719          | 27740         | 2.15%           | 0.227%        |
| 29        | 7.769       | 1090          | 1096        | 1103         | rVB3     | 11753          | 24148         | 1.87%           | 0.198%        |
| 30        | 7.879       | 1103          | 1114        | 1122         | rBV7     | 19746          | 69977         | 5.43%           | 0.573%        |
| 31        | 7.982       | 1122          | 1131        | 1143         | rVB4     | 16735          | 56935         | 4.42%           | 0.466%        |
| 32        | 8.104       | 1143          | 1151        | 1153         | rBV3     | 43158          | 80740         | 6.27%           | 0.661%        |
| 33        | 8.141       | 1153          | 1157        | 1162         | rVV      | 98990          | 174002        | 13.51%          | 1.424%        |
| 34        | 8.196       | 1162          | 1166        | 1176         | rVB4     | 14906          | 35546         | 2.76%           | 0.291%        |
| 35        | 8.305       | 1176          | 1184        | 1191         | rBV3     | 17393          | 35767         | 2.78%           | 0.293%        |
| 36        | 8.433       | 1201          | 1205        | 1209         | rBV2     | 8834           | 14697         | 1.14%           | 0.120%        |

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Integrator: RTE

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Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 8.500  | 1211 | 1216 | 1226 | rVB  | 72600   | 128392  | 9.97%   | 1.051%  |
| 38 | 8.604  | 1226 | 1233 | 1235 | rBV4 | 15746   | 29424   | 2.28%   | 0.241%  |
| 39 | 8.647  | 1235 | 1240 | 1249 | rVB  | 502411  | 802869  | 62.32%  | 6.572%  |
| 40 | 8.817  | 1264 | 1268 | 1271 | rBV4 | 9446    | 15359   | 1.19%   | 0.126%  |
| 41 | 8.921  | 1280 | 1285 | 1290 | rBV  | 28370   | 44219   | 3.43%   | 0.362%  |
| 42 | 8.970  | 1290 | 1293 | 1298 | rVB2 | 11349   | 17651   | 1.37%   | 0.144%  |
| 43 | 9.098  | 1306 | 1314 | 1319 | rVV3 | 18405   | 37438   | 2.91%   | 0.306%  |
| 44 | 9.159  | 1319 | 1324 | 1335 | rVB  | 87307   | 141828  | 11.01%  | 1.161%  |
| 45 | 9.378  | 1356 | 1360 | 1364 | rVV2 | 13267   | 20333   | 1.58%   | 0.166%  |
| 46 | 9.427  | 1364 | 1368 | 1370 | rVV  | 20104   | 29107   | 2.26%   | 0.238%  |
| 47 | 9.458  | 1370 | 1373 | 1377 | rVV  | 56190   | 81828   | 6.35%   | 0.670%  |
| 48 | 9.500  | 1377 | 1380 | 1387 | rVB4 | 18177   | 34677   | 2.69%   | 0.284%  |
| 49 | 9.604  | 1393 | 1397 | 1402 | rBV2 | 16143   | 21308   | 1.65%   | 0.174%  |
| 50 | 9.659  | 1402 | 1406 | 1417 | rVB  | 13587   | 24498   | 1.90%   | 0.201%  |
| 51 | 9.762  | 1417 | 1423 | 1431 | rBV4 | 23493   | 48250   | 3.75%   | 0.395%  |
| 52 | 10.055 | 1466 | 1471 | 1476 | rBV  | 480760  | 651840  | 50.60%  | 5.336%  |
| 53 | 10.159 | 1485 | 1488 | 1491 | rVB2 | 13368   | 17056   | 1.32%   | 0.140%  |
| 54 | 10.220 | 1491 | 1498 | 1502 | rVV3 | 8299    | 19414   | 1.51%   | 0.159%  |
| 55 | 10.268 | 1502 | 1506 | 1509 | rVV6 | 11320   | 20151   | 1.56%   | 0.165%  |
| 56 | 10.305 | 1509 | 1512 | 1518 | rVB  | 16730   | 24780   | 1.92%   | 0.203%  |
| 57 | 10.463 | 1534 | 1538 | 1546 | rVB6 | 6712    | 14908   | 1.16%   | 0.122%  |
| 58 | 10.585 | 1546 | 1558 | 1565 | rBV2 | 13825   | 30659   | 2.38%   | 0.251%  |
| 59 | 10.774 | 1583 | 1589 | 1592 | rBV5 | 6425    | 14014   | 1.09%   | 0.115%  |
| 60 | 10.811 | 1592 | 1595 | 1598 | rVV2 | 10539   | 13183   | 1.02%   | 0.108%  |
| 61 | 10.872 | 1598 | 1605 | 1614 | rVB7 | 9784    | 26863   | 2.09%   | 0.220%  |
| 62 | 10.963 | 1614 | 1620 | 1628 | rBV  | 347861  | 450001  | 34.93%  | 3.684%  |
| 63 | 11.079 | 1634 | 1639 | 1650 | rVB  | 459008  | 601070  | 46.66%  | 4.920%  |
| 64 | 11.305 | 1668 | 1676 | 1686 | rBV  | 503543  | 625909  | 48.58%  | 5.124%  |
| 65 | 11.616 | 1722 | 1727 | 1738 | rVB  | 44630   | 62985   | 4.89%   | 0.516%  |
| 66 | 11.713 | 1738 | 1743 | 1747 | rBV  | 9502    | 14591   | 1.13%   | 0.119%  |
| 67 | 11.866 | 1763 | 1768 | 1770 | rBV  | 27579   | 37215   | 2.89%   | 0.305%  |
| 68 | 11.890 | 1770 | 1772 | 1775 | rVB  | 22559   | 24858   | 1.93%   | 0.203%  |
| 69 | 12.024 | 1788 | 1794 | 1801 | rBV  | 540445  | 696402  | 54.05%  | 5.701%  |
| 70 | 12.244 | 1824 | 1830 | 1838 | rBV2 | 1028693 | 1288322 | 100.00% | 10.546% |
| 71 | 12.311 | 1838 | 1841 | 1843 | rBV  | 33684   | 43453   | 3.37%   | 0.356%  |
| 72 | 12.402 | 1850 | 1856 | 1862 | rBV  | 51849   | 68205   | 5.29%   | 0.558%  |
| 73 | 12.463 | 1862 | 1866 | 1871 | rVB  | 13428   | 16317   | 1.27%   | 0.134%  |
| 74 | 12.609 | 1883 | 1890 | 1893 | rBV  | 250431  | 313431  | 24.33%  | 2.566%  |
| 75 | 12.646 | 1893 | 1896 | 1900 | rVV  | 104915  | 130306  | 10.11%  | 1.067%  |
| 76 | 12.695 | 1900 | 1904 | 1912 | rVV  | 349334  | 480830  | 37.32%  | 3.936%  |

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 MSVOA\_X  
 ClientSampleId :  
 T2-MW-3-8.0-042424

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

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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\82X043024W.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.756 | 1912 | 1914 | 1919 | rVB  | 11807  | 15055  | 1.17%  | 0.123% |
| 78  | 12.841 | 1919 | 1928 | 1933 | rVB  | 23238  | 34721  | 2.70%  | 0.284% |
| 79  | 12.920 | 1933 | 1941 | 1946 | rBV  | 256031 | 322313 | 25.02% | 2.638% |
| 80  | 13.024 | 1953 | 1958 | 1966 | rVB3 | 29242  | 49891  | 3.87%  | 0.408% |
| 81  | 13.134 | 1966 | 1976 | 1978 | rBV3 | 38103  | 60101  | 4.67%  | 0.492% |
| 82  | 13.170 | 1978 | 1982 | 1989 | rVV  | 158345 | 226434 | 17.58% | 1.854% |
| 83  | 13.237 | 1989 | 1993 | 1995 | rVV2 | 14923  | 23251  | 1.80%  | 0.190% |
| 84  | 13.292 | 1997 | 2002 | 2007 | rVV2 | 277704 | 394168 | 30.60% | 3.227% |
| 85  | 13.347 | 2007 | 2011 | 2013 | rVV3 | 22372  | 34819  | 2.70%  | 0.285% |
| 86  | 13.371 | 2013 | 2015 | 2020 | rVV  | 16804  | 24630  | 1.91%  | 0.202% |
| 87  | 13.426 | 2020 | 2024 | 2032 | rVB  | 22507  | 32506  | 2.52%  | 0.266% |
| 88  | 13.506 | 2032 | 2037 | 2039 | rBV2 | 14718  | 21597  | 1.68%  | 0.177% |
| 89  | 13.542 | 2039 | 2043 | 2046 | rVV  | 47144  | 70537  | 5.48%  | 0.577% |
| 90  | 13.579 | 2046 | 2049 | 2053 | rVV2 | 40943  | 62674  | 4.86%  | 0.513% |
| 91  | 13.640 | 2056 | 2059 | 2060 | rVV  | 26742  | 31741  | 2.46%  | 0.260% |
| 92  | 13.664 | 2060 | 2063 | 2073 | rVB2 | 41067  | 65126  | 5.06%  | 0.533% |
| 93  | 13.798 | 2079 | 2085 | 2090 | rVB2 | 8662   | 18117  | 1.41%  | 0.148% |
| 94  | 13.926 | 2098 | 2106 | 2110 | rBV2 | 15765  | 24241  | 1.88%  | 0.198% |
| 95  | 14.073 | 2126 | 2130 | 2136 | rBV  | 14641  | 19711  | 1.53%  | 0.161% |
| 96  | 14.213 | 2149 | 2153 | 2159 | rBV3 | 14991  | 24634  | 1.91%  | 0.202% |
| 97  | 14.316 | 2166 | 2170 | 2176 | rBV  | 19560  | 29460  | 2.29%  | 0.241% |
| 98  | 14.371 | 2176 | 2179 | 2184 | rVB  | 11090  | 13775  | 1.07%  | 0.113% |
| 99  | 14.640 | 2219 | 2223 | 2234 | rVB  | 17279  | 26305  | 2.04%  | 0.215% |
| 100 | 14.780 | 2241 | 2246 | 2255 | rBV2 | 32691  | 46109  | 3.58%  | 0.377% |

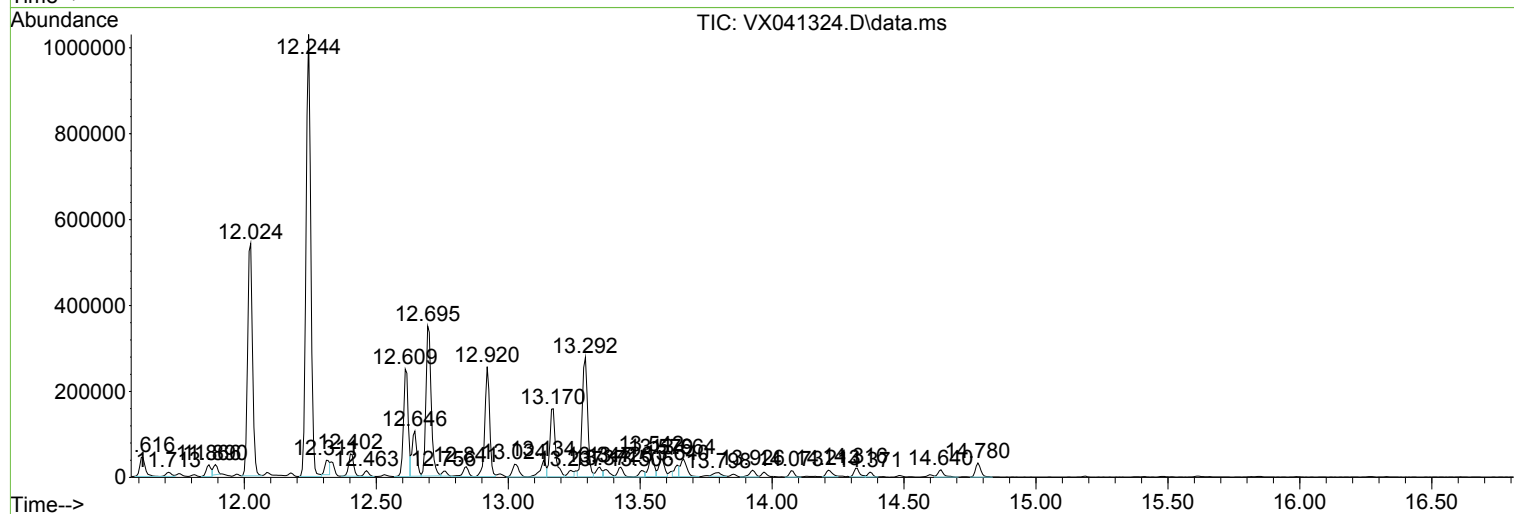
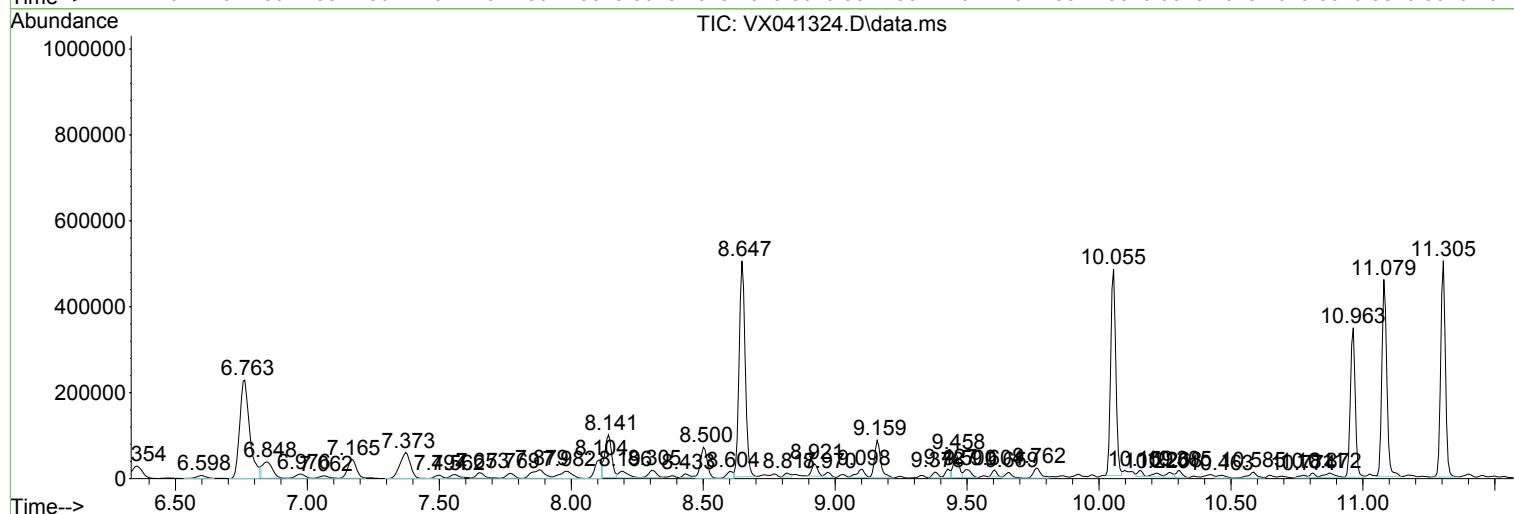
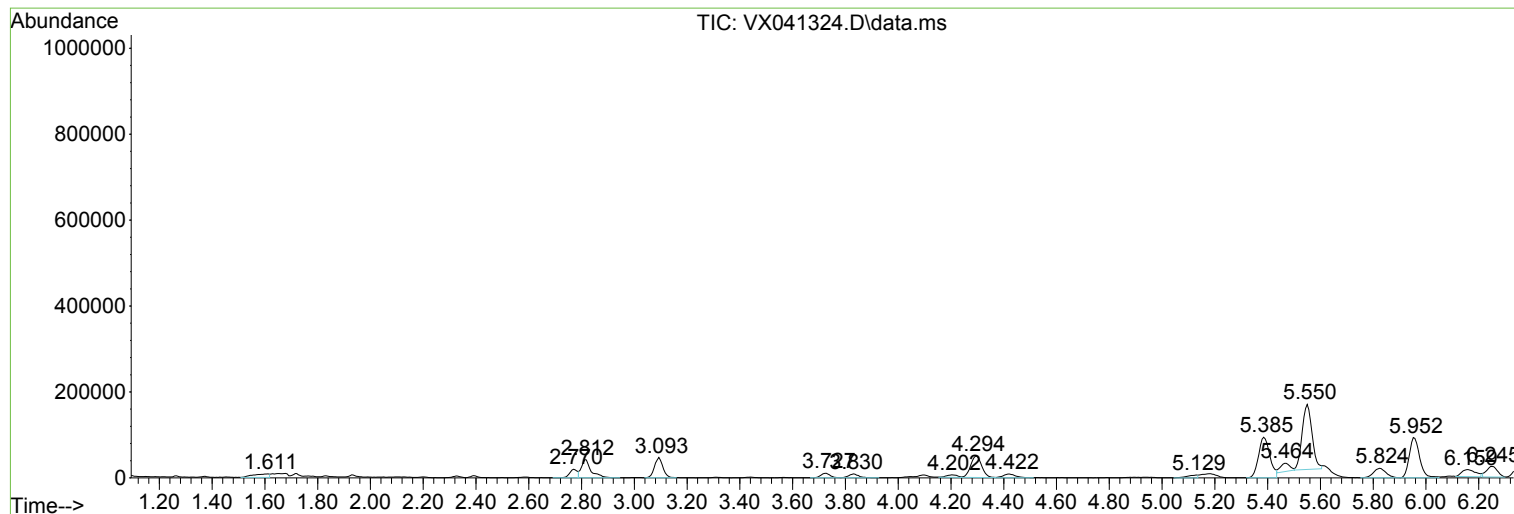
Sum of corrected areas: 12216326

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

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



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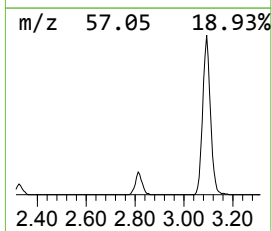
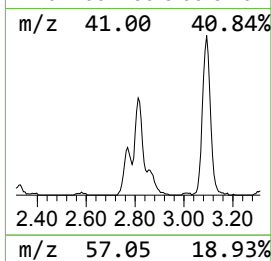
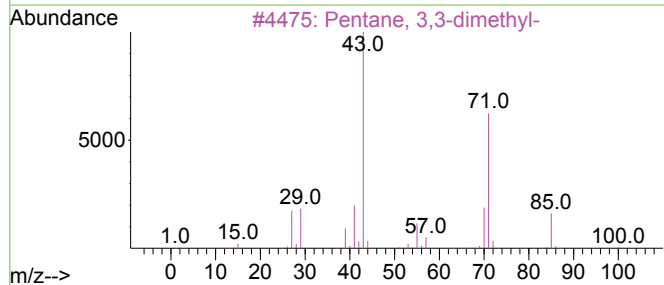
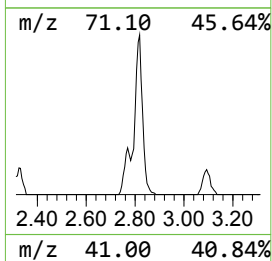
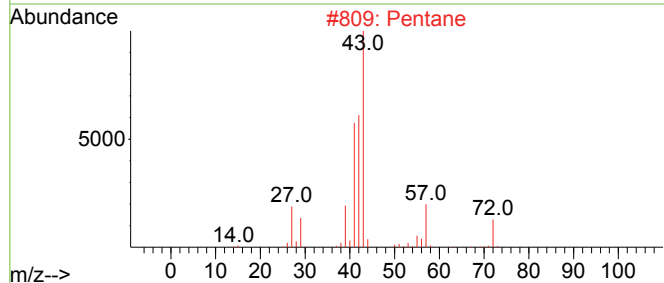
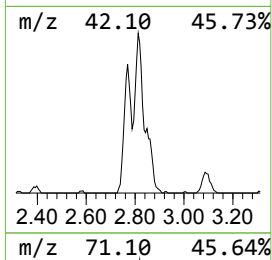
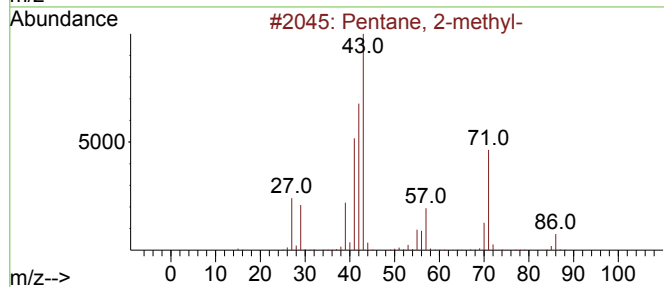
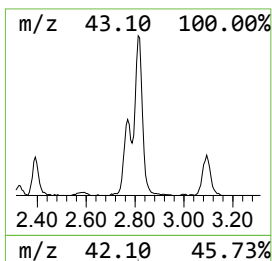
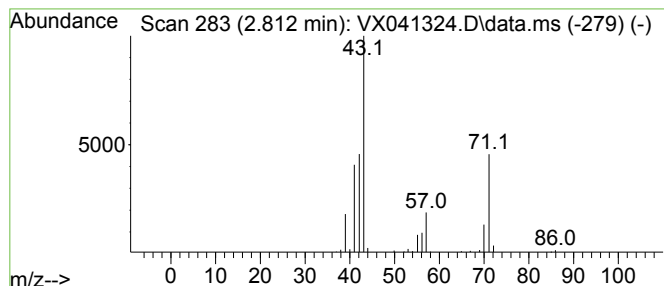
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Pentane, 2-methyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.812 | 13.25 ug/l | 105658 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2-methyl-       | 86  | C6H14   | 000107-83-5 | 91   |
| 2    |    |   | Pentane                  | 72  | C5H12   | 000109-66-0 | 47   |
| 3    |    |   | Pentane, 3,3-dimethyl-   | 100 | C7H16   | 000562-49-2 | 47   |
| 4    |    |   | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O  | 019550-30-2 | 36   |
| 5    |    |   | Hexane, 2,3-dimethyl-    | 114 | C8H18   | 000584-94-1 | 28   |



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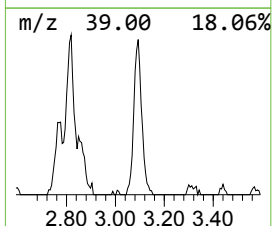
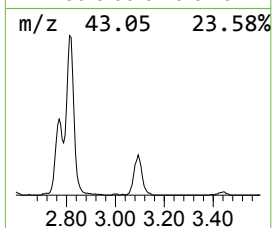
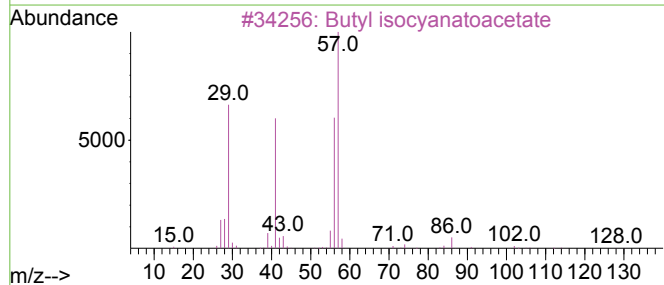
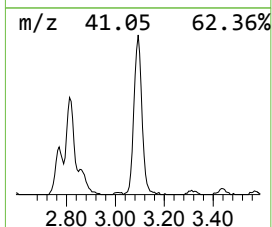
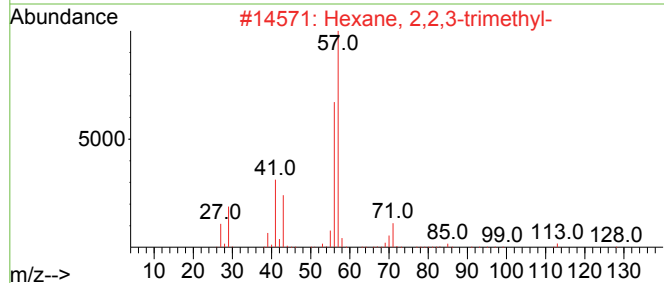
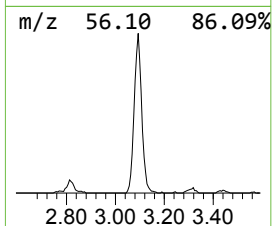
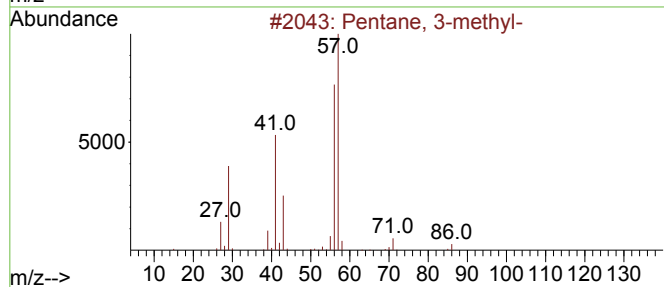
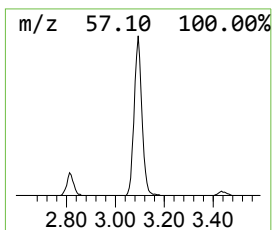
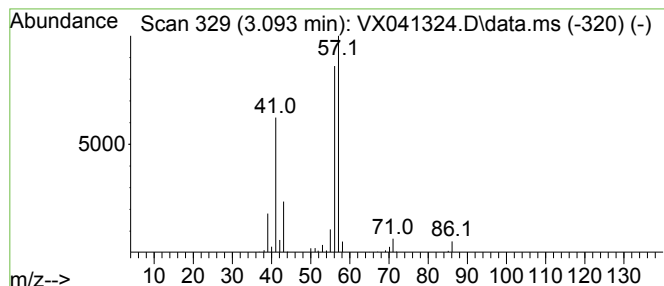
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Pentane, 3-methyl- Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 3.093 | 12.85 ug/l | 102405 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------|-----|----------|-------------|------|
| 1    |    |   | Pentane, 3-methyl-            | 86  | C6H14    | 000096-14-0 | 91   |
| 2    |    |   | Hexane, 2,2,3-trimethyl-      | 128 | C9H20    | 016747-25-4 | 64   |
| 3    |    |   | Butyl isocyanatoacetate       | 157 | C7H11NO3 | 017046-22-9 | 64   |
| 4    |    |   | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20    | 001070-87-7 | 45   |
| 5    |    |   | Oxirane, (1-methylethyl)-     | 86  | C5H10O   | 001438-14-8 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

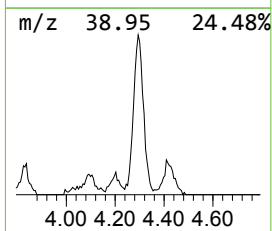
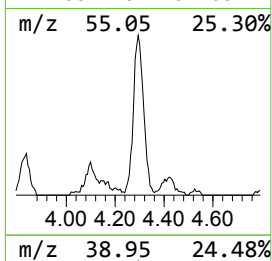
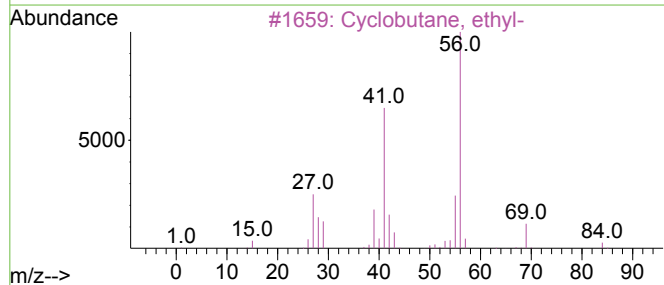
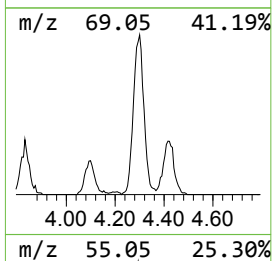
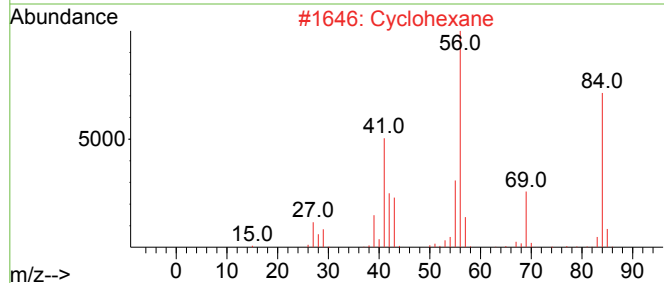
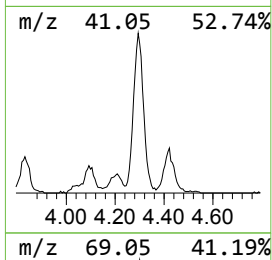
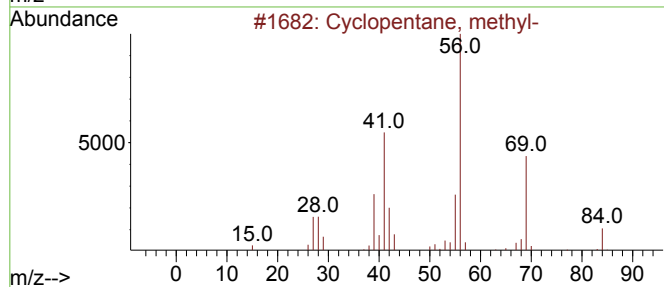
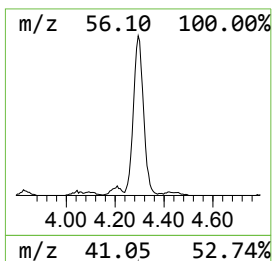
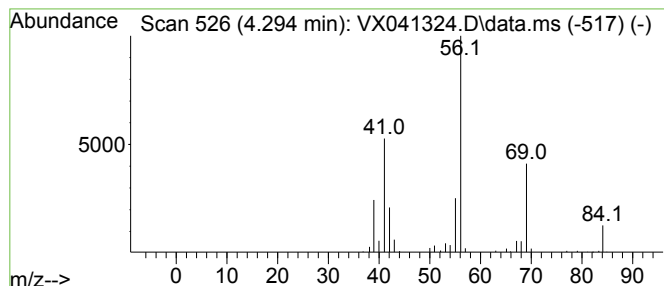
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Cyclopentane, methyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.294 | 18.03 ug/l | 143741 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |    |   | Cyclohexane             | 84 | C6H12   | 000110-82-7 | 78   |
| 3    |    |   | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 72   |
| 4    |    |   | Cyclopropane, propyl-   | 84 | C6H12   | 002415-72-7 | 72   |
| 5    |    |   | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

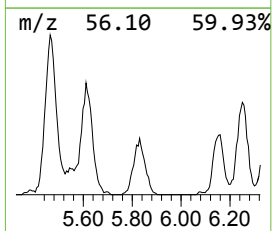
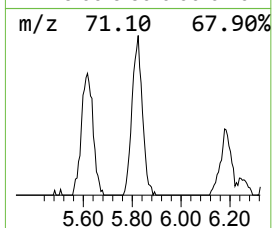
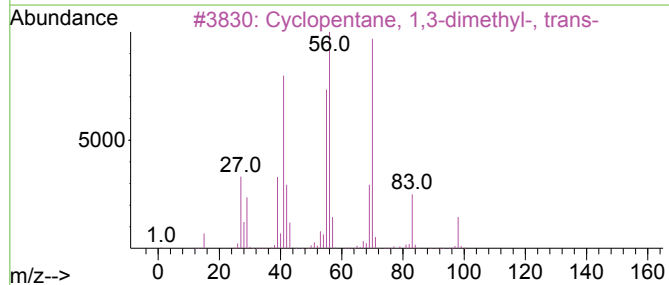
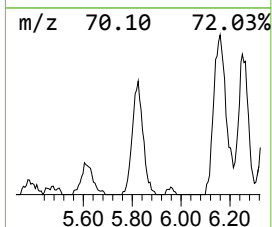
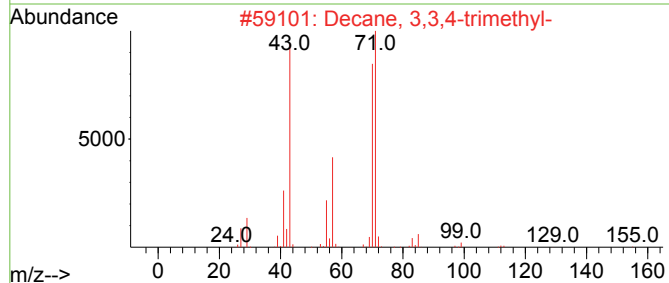
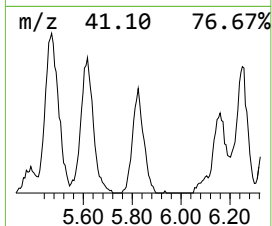
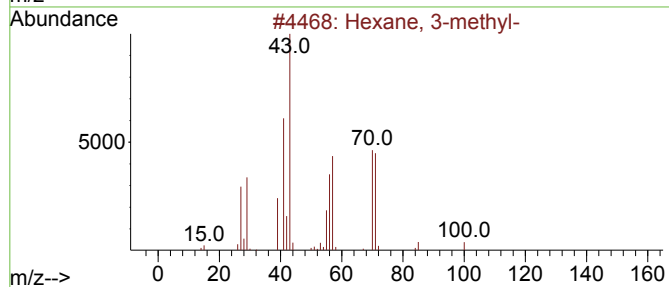
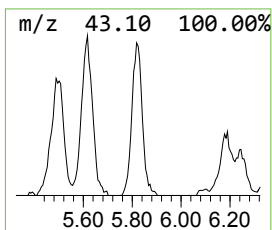
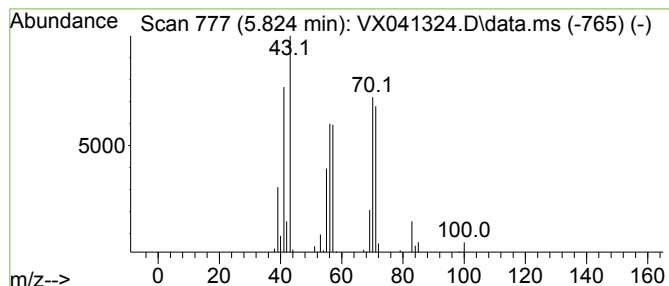
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Quant Title : SW846 8260

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

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Peak Number 4 Hexane, 3-methyl- Concentration Rank 14

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 5.824 | 8.92 ug/l | 71136 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexane, 3-methyl-                   | 100 | C7H16   | 000589-34-4 | 83   |
| 2    |    |   | Decane, 3,3,4-trimethyl-            | 184 | C13H28  | 049622-18-6 | 47   |
| 3    |    |   | Cyclopentane, 1,3-dimethyl-, trans- | 98  | C7H14   | 001759-58-6 | 47   |
| 4    |    |   | Hexane, 2,3,4-trimethyl-            | 128 | C9H20   | 000921-47-1 | 45   |
| 5    |    |   | Pentane, 3-ethyl-                   | 100 | C7H16   | 000617-78-7 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

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

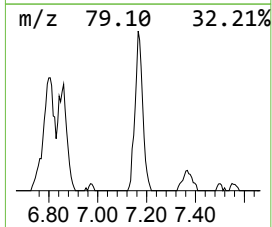
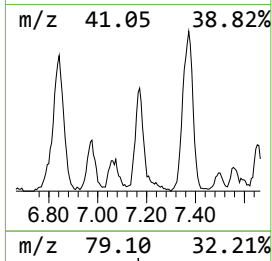
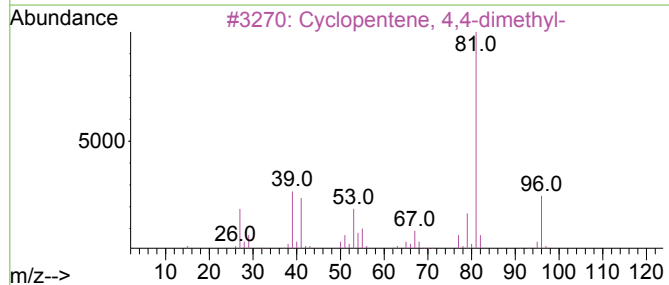
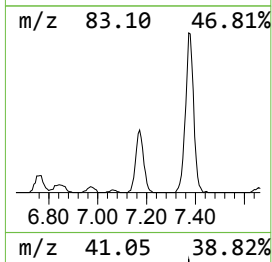
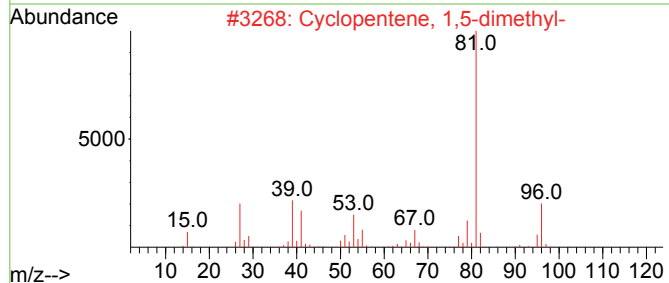
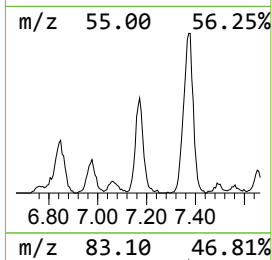
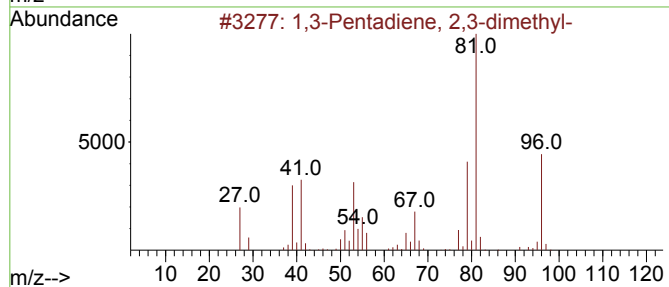
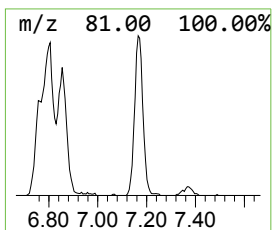
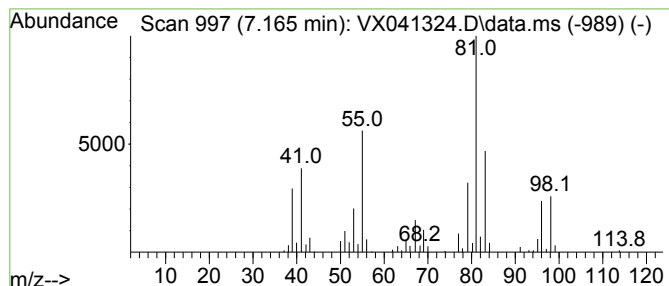
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Peak Number 5 1,3-Pentadiene, 2,3-dimethyl- Concentration Rank 15

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 7.165 | 8.56 ug/l | 102249 | 1,4-Difluorobenzene | 6.763 |

| Hit# | of                            | 5  | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------|----|--------------|-------------|---------|------|------|
| 1    | 1,3-Pentadiene, 2,3-dimethyl- | 96 | C7H12        | 001113-56-0 | 64      |      |      |
| 2    | Cyclopentene, 1,5-dimethyl-   | 96 | C7H12        | 016491-15-9 | 60      |      |      |
| 3    | Cyclopentene, 4,4-dimethyl-   | 96 | C7H12        | 019037-72-0 | 60      |      |      |
| 4    | Cyclohexene, 3-methyl-        | 96 | C7H12        | 000591-48-0 | 49      |      |      |
| 5    | 2,4-Hexadiene, 2-methyl-      | 96 | C7H12        | 028823-41-8 | 49      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

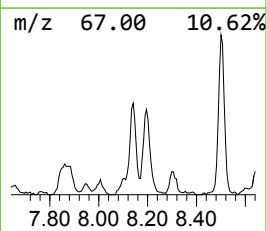
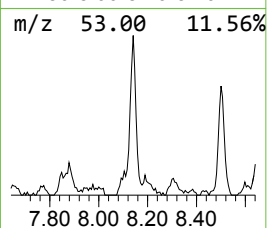
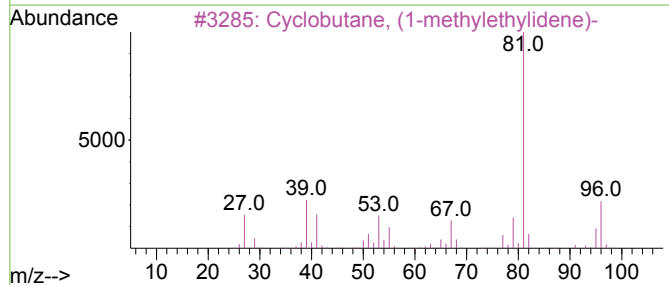
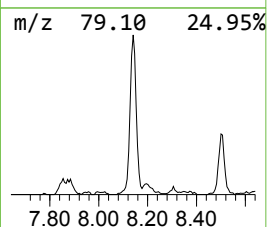
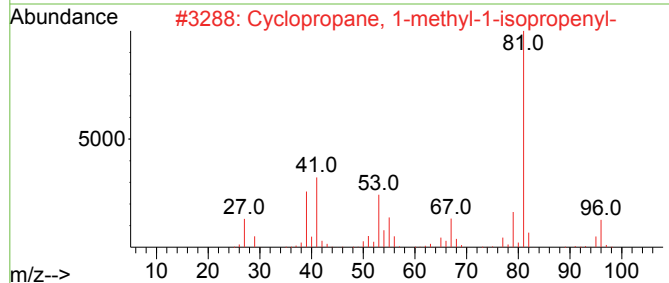
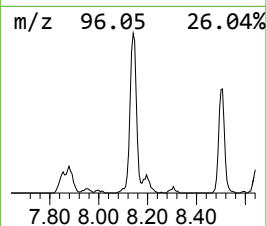
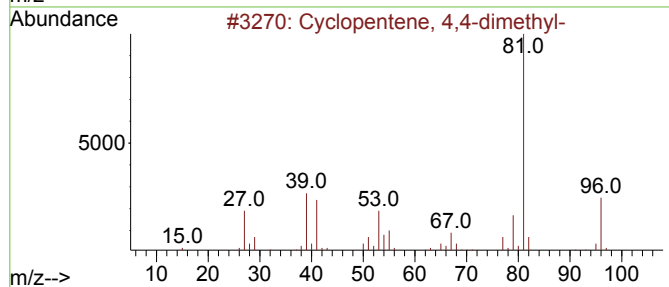
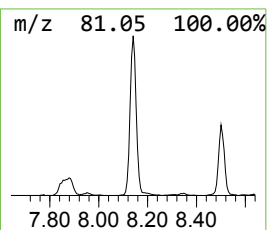
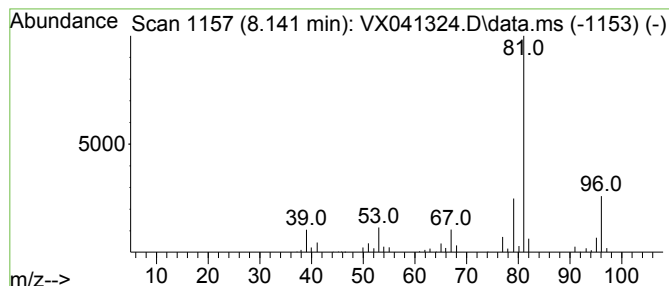
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Quant Title : SW846 8260

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

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Peak Number 6 Cyclopentene, 4,4-dimethyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 8.141 | 14.57 ug/l | 174002 | 1,4-Difluorobenzene | 6.763 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentene, 4,4-dimethyl-         | 96  | C7H12   | 019037-72-0 | 87   |
| 2    |    |   | Cyclopropane, 1-methyl-1-isoprop... | 96  | C7H12   | 003422-07-9 | 86   |
| 3    |    |   | Cyclobutane, (1-methylethylidene)-  | 96  | C7H12   | 001528-22-9 | 83   |
| 4    |    |   | Cyclopentene, 1,5-dimethyl-         | 96  | C7H12   | 016491-15-9 | 80   |
| 5    |    |   | (S)-2,5-Dimethyl-3-vinylhex-4-en... | 154 | C10H18O | 035671-15-9 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

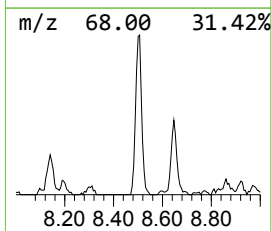
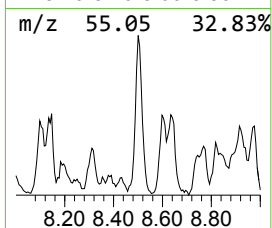
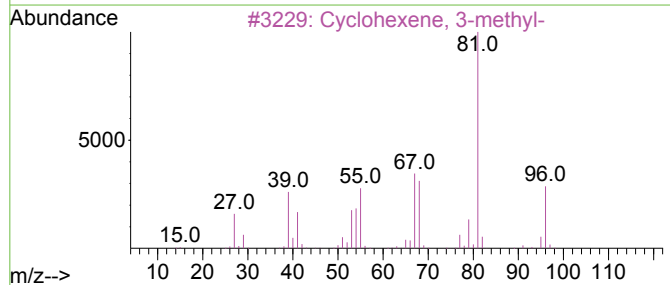
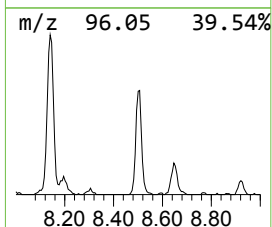
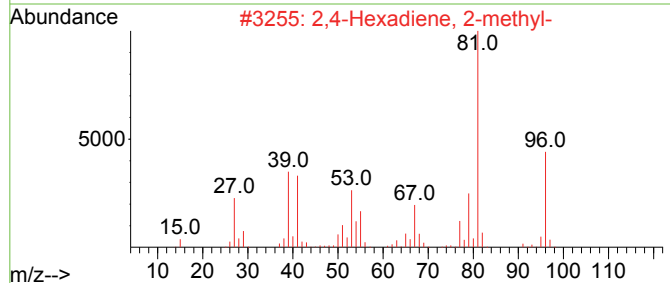
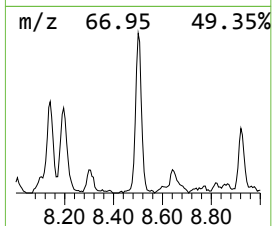
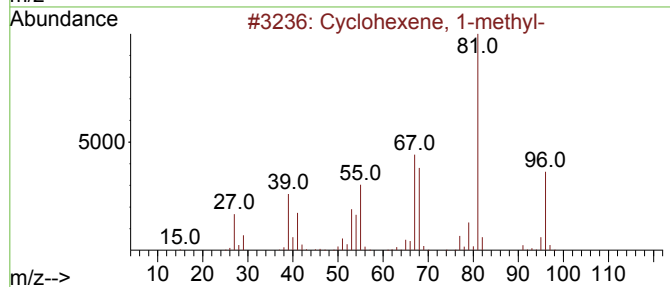
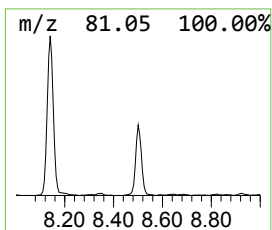
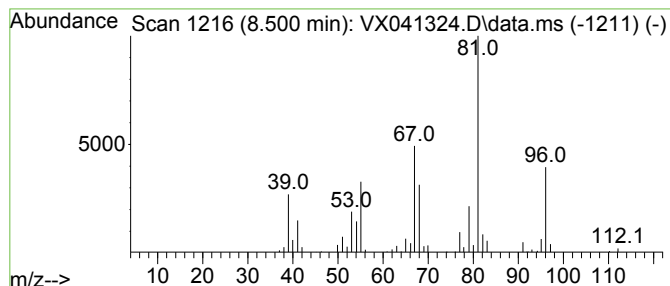
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Cyclohexene, 1-methyl- Concentration Rank 12

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.   |
|-------|-----------|--------|------------------|--------|
| 8.500 | 9.85 ug/l | 128392 | Chlorobenzene-d5 | 10.055 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Cyclohexene, 1-methyl-   | 96 | C7H12   | 000591-49-1 | 94   |
| 2    |    |   | 2,4-Hexadiene, 2-methyl- | 96 | C7H12   | 028823-41-8 | 93   |
| 3    |    |   | Cyclohexene, 3-methyl-   | 96 | C7H12   | 000591-48-0 | 91   |
| 4    |    |   | Cyclohexene, 4-methyl-   | 96 | C7H12   | 000591-47-9 | 91   |
| 5    |    |   | 2,4-Hexadiene, 3-methyl- | 96 | C7H12   | 028823-42-9 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

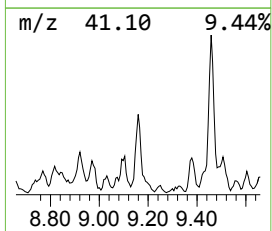
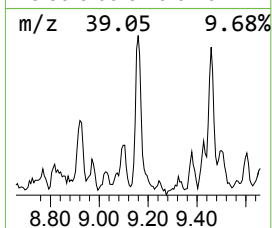
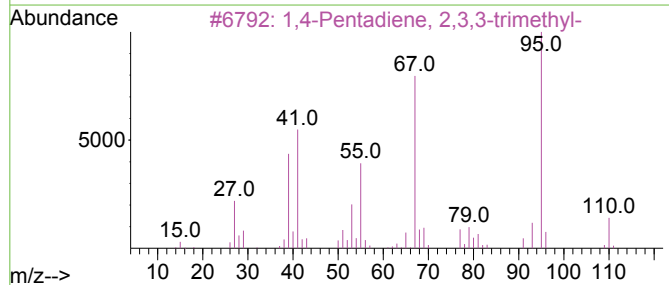
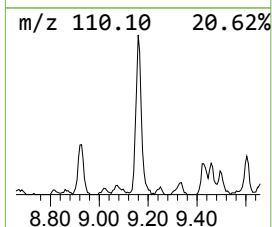
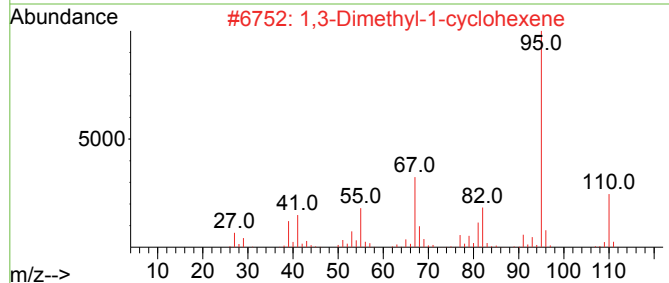
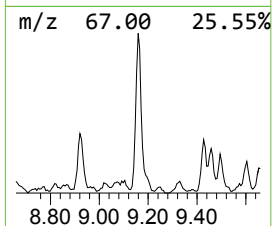
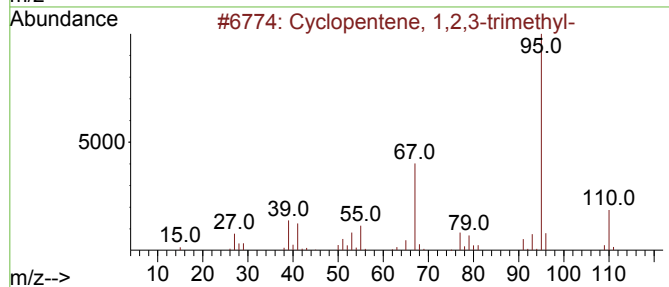
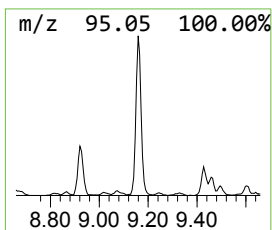
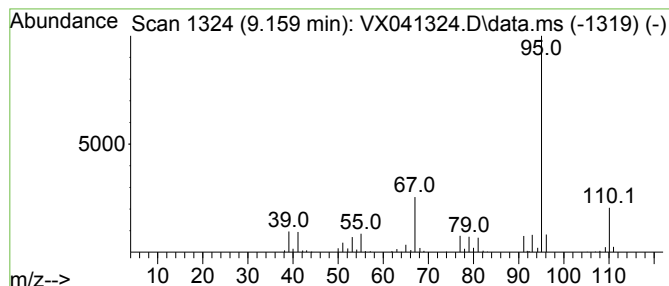
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 9.159 | 10.88 ug/l | 141828 | Chlorobenzene-d5 | 10.055 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclopentene, 1,2,3-trimethyl-      | 110 | C8H14   | 000473-91-6  | 91   |
| 2    |    |   | 1,3-Dimethyl-1-cyclohexene          | 110 | C8H14   | 002808-76-6  | 90   |
| 3    |    |   | 1,4-Pentadiene, 2,3,3-trimethyl-    | 110 | C8H14   | 000756-02-5  | 90   |
| 4    |    |   | Bicyclo[3.1.0]hexane, 1,5-dimethyl- | 110 | C8H14   | 1010142-17-5 | 90   |
| 5    |    |   | Cyclohexene, 3,5-dimethyl-          | 110 | C8H14   | 000823-17-6  | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

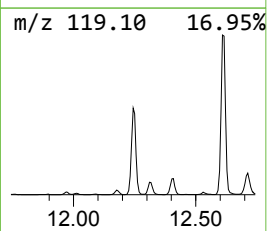
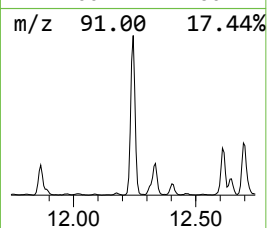
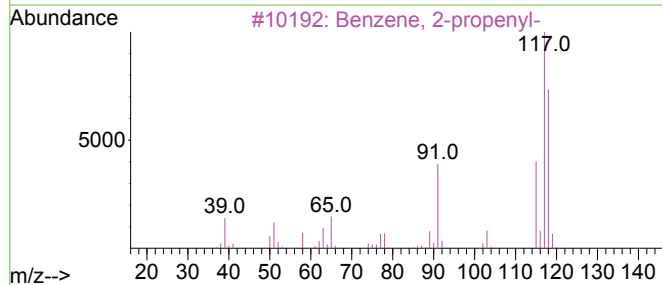
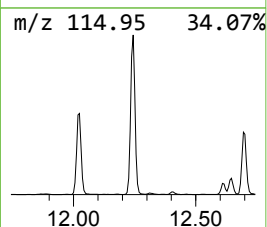
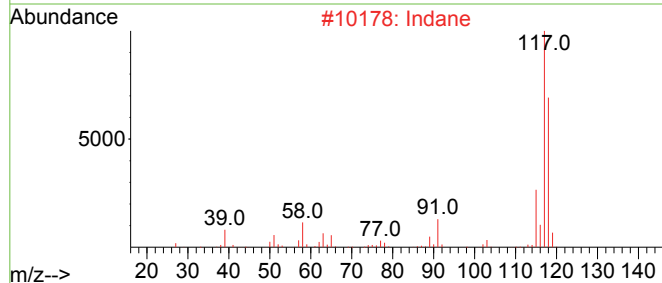
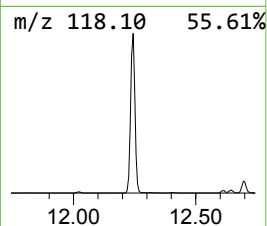
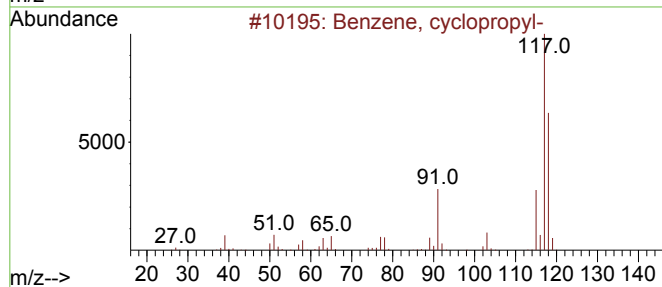
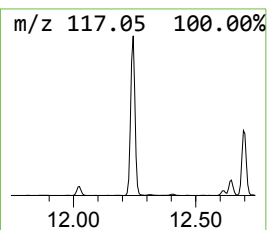
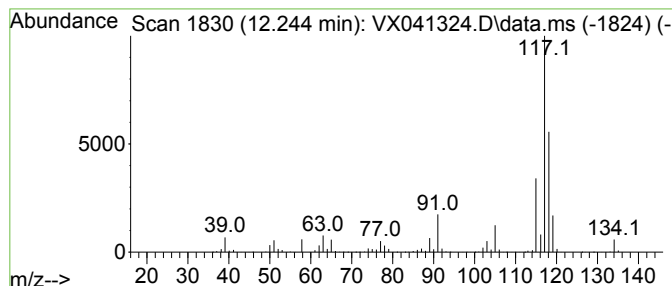
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, cyclopropyl- Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.244 | 92.50 ug/l | 1288320 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 76   |
| 2    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 76   |
| 3    |    |   | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 68   |
| 4    |    |   | Delta cyclene                | 118 | C9H10   | 007785-10-6 | 58   |
| 5    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 55   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

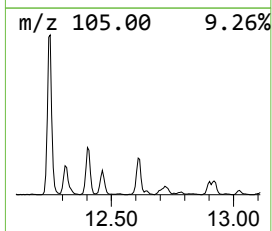
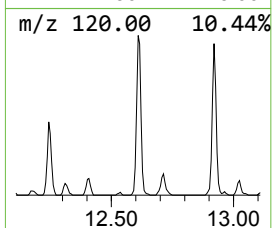
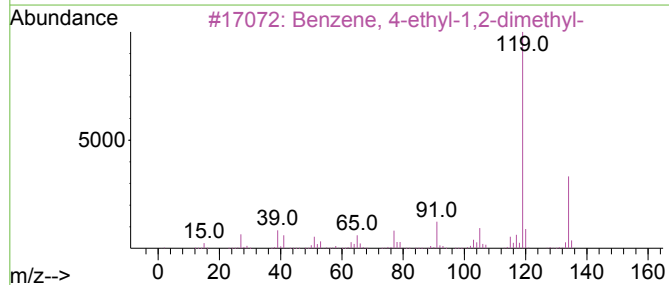
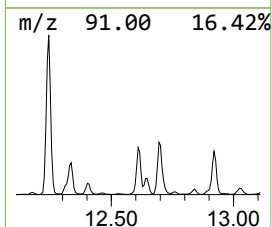
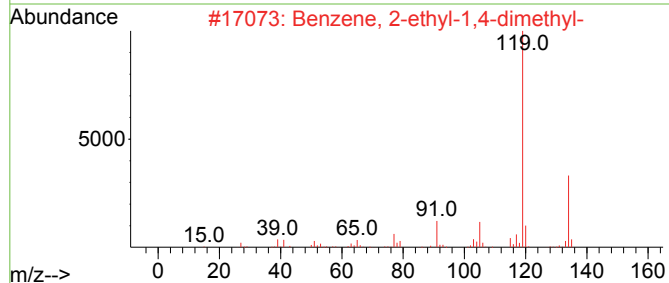
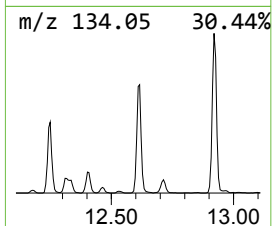
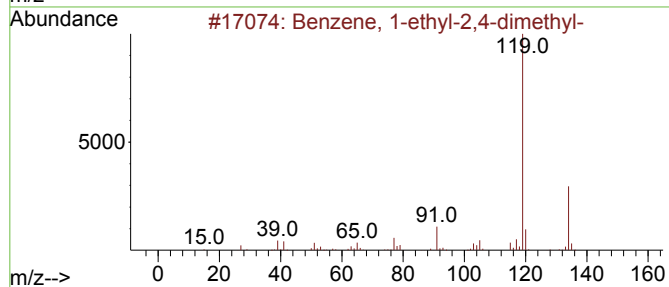
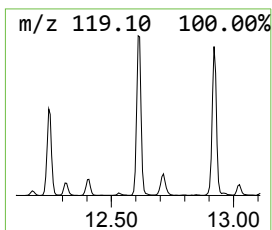
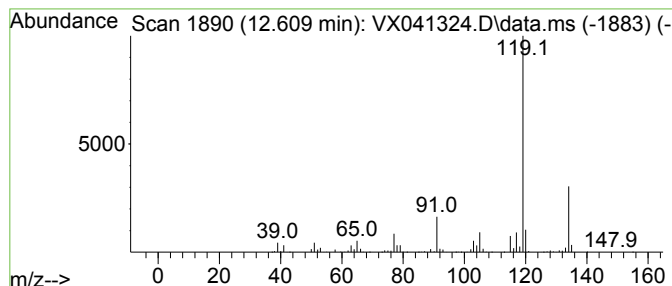
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Quant Title : SW846 8260

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

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

| R.T.      | EstConc                        | Area   | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------|--------|------------------------|-------------|------|
| 12.609    | 22.50 ug/l                     | 313431 | 1,4-Dichlorobenzene-d4 | 12.024      |      |
| Hit# of 5 | Tentative ID                   | MW     | MolForm                | CAS#        | Qual |
| 1         | Benzene, 1-ethyl-2,4-dimethyl- | 134    | C10H14                 | 000874-41-9 | 97   |
| 2         | Benzene, 2-ethyl-1,4-dimethyl- | 134    | C10H14                 | 001758-88-9 | 95   |
| 3         | Benzene, 4-ethyl-1,2-dimethyl- | 134    | C10H14                 | 000934-80-5 | 95   |
| 4         | Benzene, 1-ethyl-2,3-dimethyl- | 134    | C10H14                 | 000933-98-2 | 95   |
| 5         | o-Cymene                       | 134    | C10H14                 | 000527-84-4 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

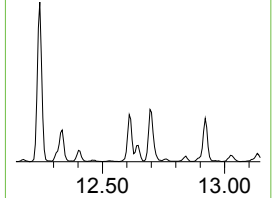
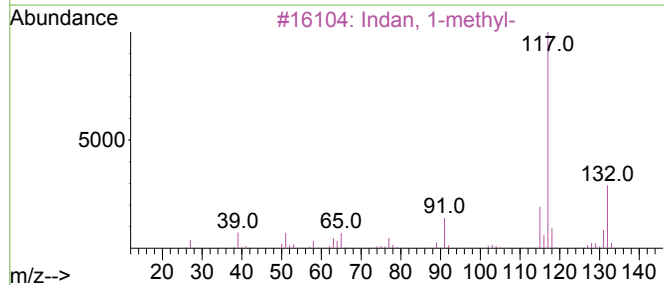
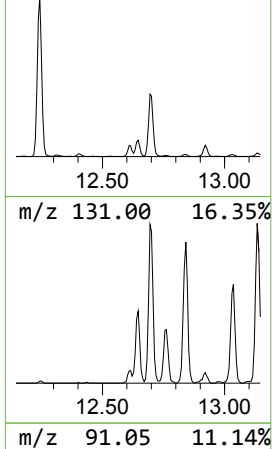
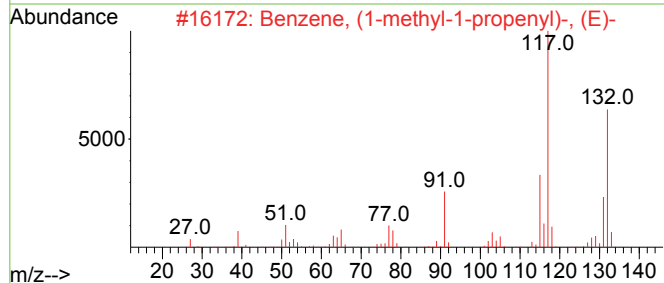
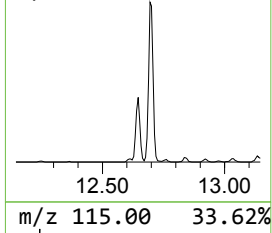
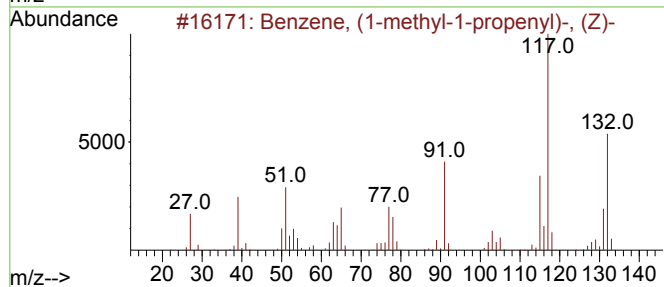
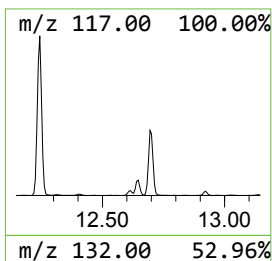
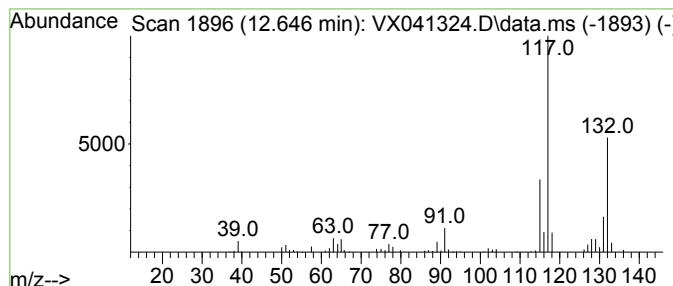
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzene, (1-methyl-1-propen... Concentration Rank 13

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.646 | 9.36 ug/l | 130306 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 91   |
| 2    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 91   |
| 3    |    |   | Indan, 1-methyl-                    | 132 | C10H12  | 000767-58-8 | 90   |
| 4    |    |   | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 90   |
| 5    |    |   | 1-Methyl-2-phenylcyclopropane       | 132 | C10H12  | 003145-76-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

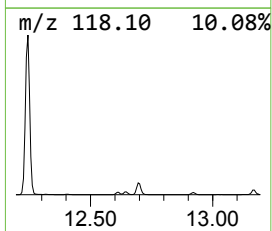
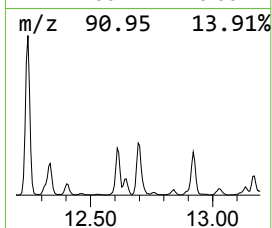
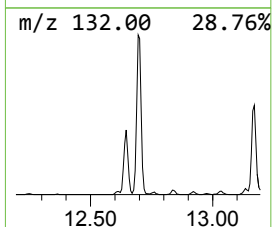
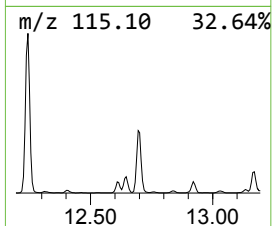
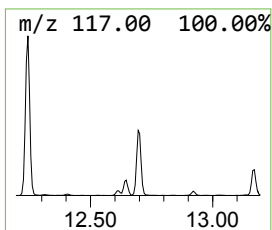
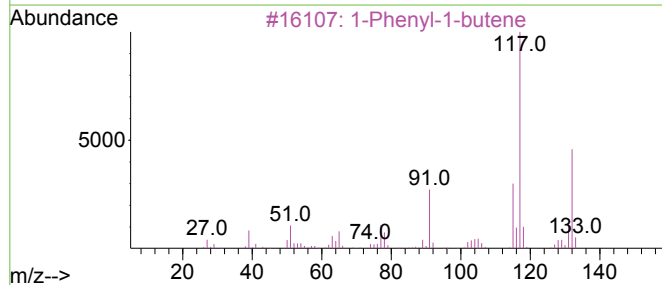
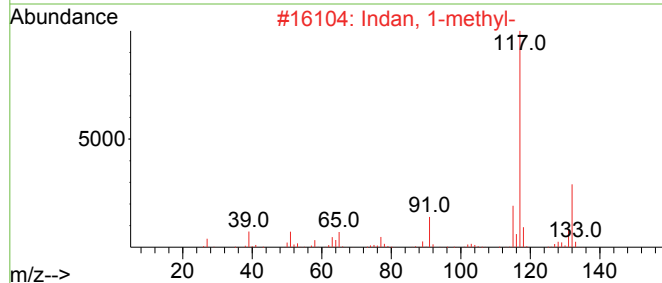
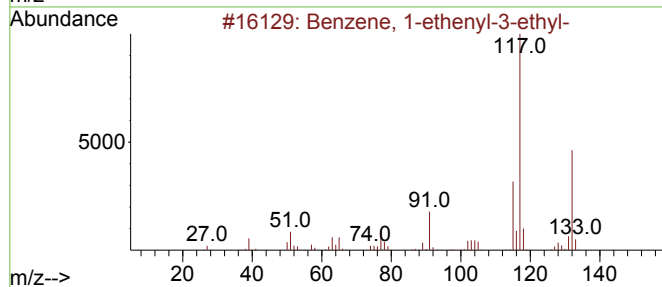
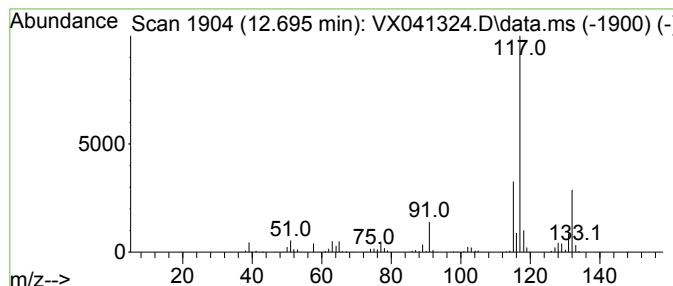
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.695 | 34.52 ug/l | 480830 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4 | 91   |
| 2    |    |   | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8 | 90   |
| 3    |    |   | 1-Phenyl-1-butene               | 132 | C10H12  | 000824-90-8 | 87   |
| 4    |    |   | 1-Methyl-2-phenylcyclopropane   | 132 | C10H12  | 003145-76-4 | 87   |
| 5    |    |   | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12  | 003290-53-7 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

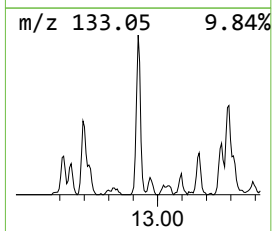
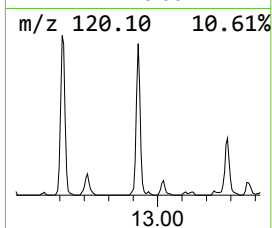
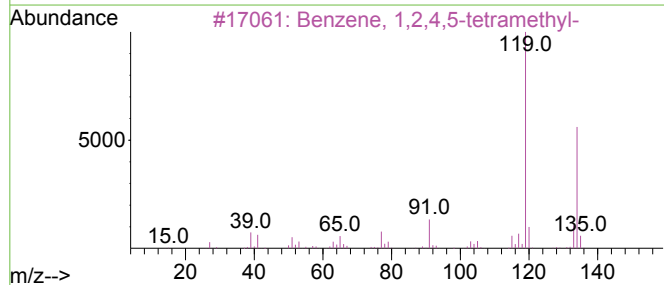
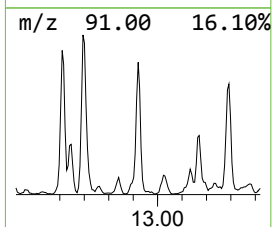
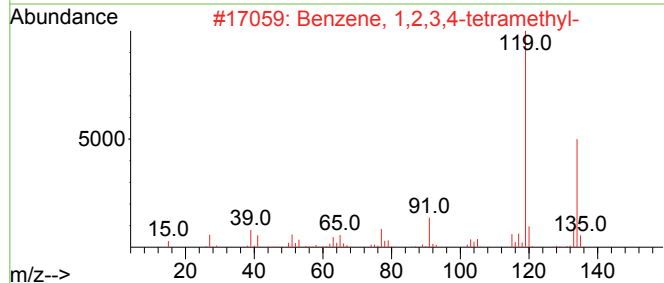
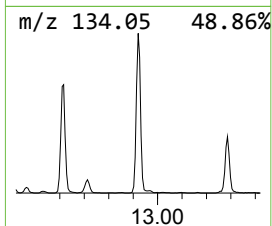
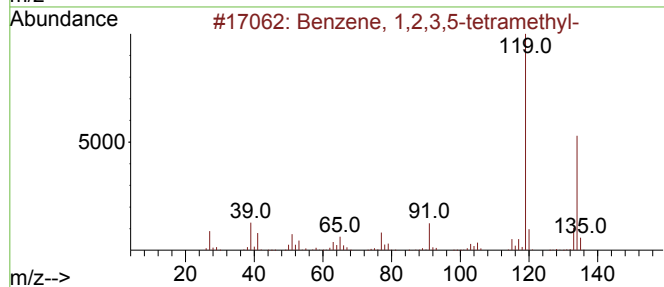
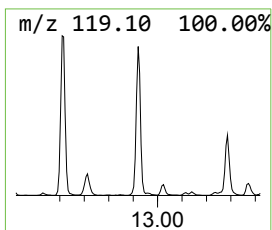
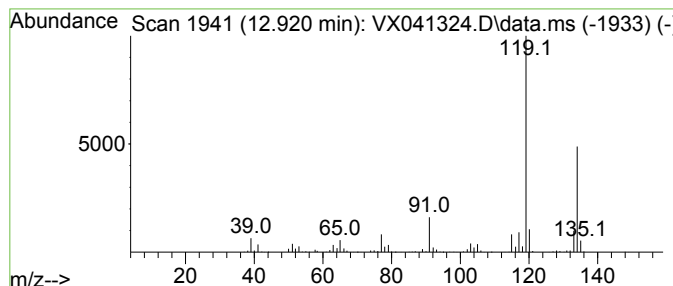
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Quant Title : SW846 8260

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

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Peak Number 13 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

| R.T.      | EstConc                        | Area   | Relative to ISTD       |         |             | R.T.   |
|-----------|--------------------------------|--------|------------------------|---------|-------------|--------|
| 12.920    | 23.14 ug/l                     | 322313 | 1,4-Dichlorobenzene-d4 |         |             | 12.024 |
| Hit# of 5 | Tentative ID                   |        | MW                     | MolForm | CAS#        | Qual   |
| 1         | Benzene, 1,2,3,5-tetramethyl-  |        | 134                    | C10H14  | 000527-53-7 | 97     |
| 2         | Benzene, 1,2,3,4-tetramethyl-  |        | 134                    | C10H14  | 000488-23-3 | 97     |
| 3         | Benzene, 1,2,4,5-tetramethyl-  |        | 134                    | C10H14  | 000095-93-2 | 97     |
| 4         | o-Cymene                       |        | 134                    | C10H14  | 000527-84-4 | 94     |
| 5         | Benzene, 1-ethyl-2,4-dimethyl- |        | 134                    | C10H14  | 000874-41-9 | 93     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

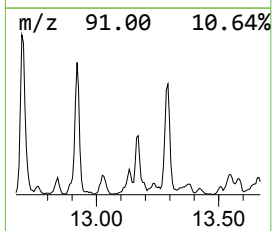
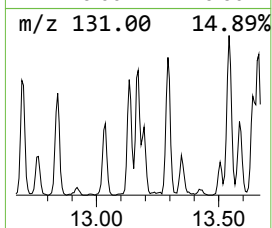
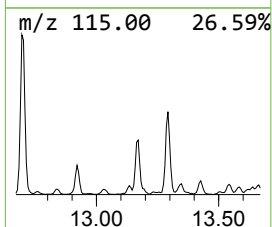
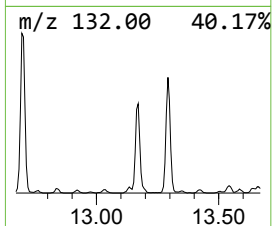
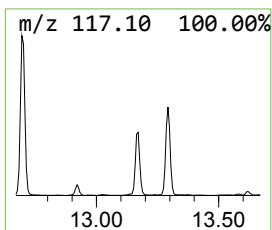
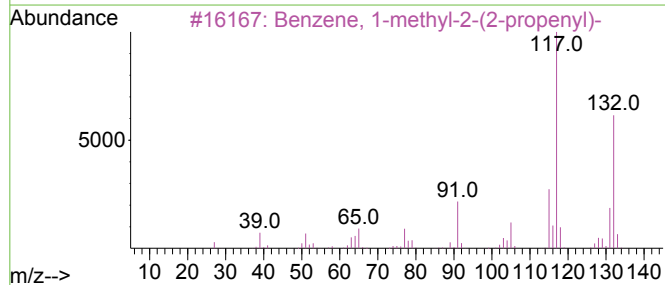
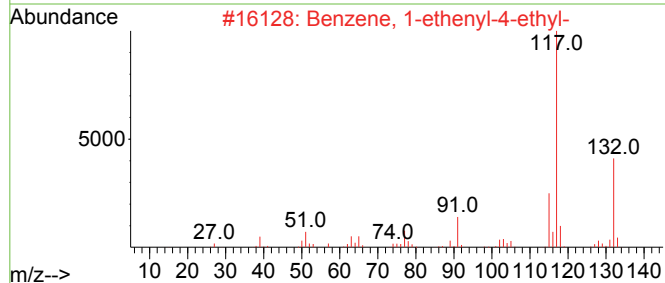
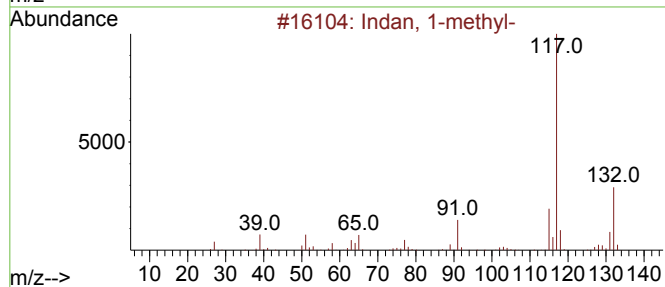
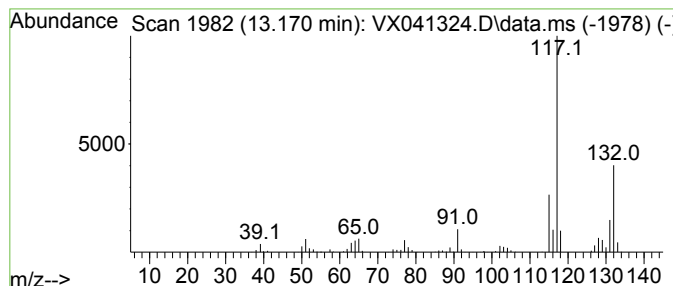
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Quant Title : SW846 8260

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

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Peak Number 14 Indan, 1-methyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.170 | 16.26 ug/l | 226434 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8 | 91   |
| 2    |    |   | Benzene, 1-ethenyl-4-ethyl-       | 132 | C10H12  | 003454-07-7 | 90   |
| 3    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 90   |
| 4    |    |   | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 87   |
| 5    |    |   | 1-Phenyl-1-butene                 | 132 | C10H12  | 000824-90-8 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

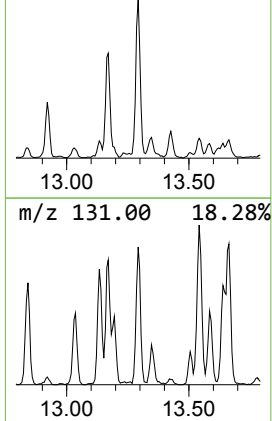
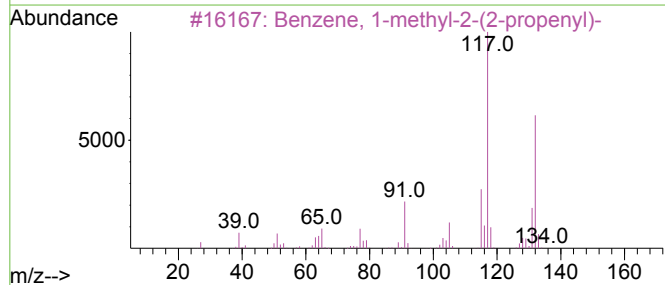
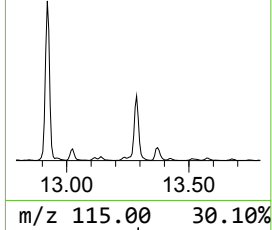
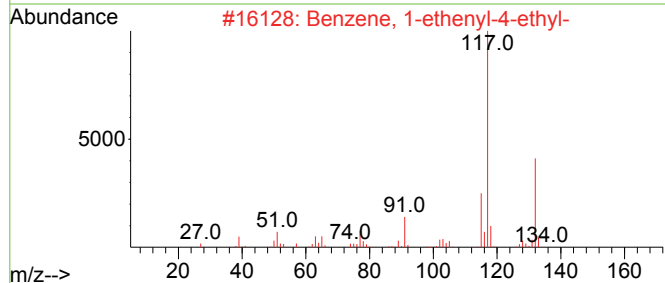
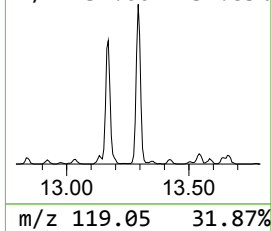
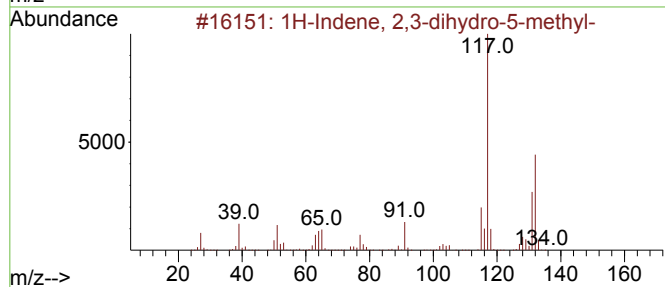
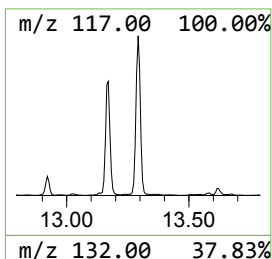
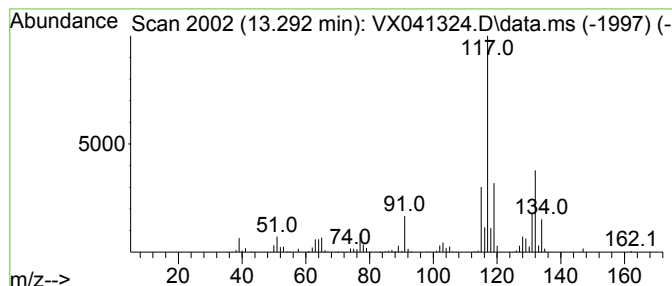
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

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

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Peak Number 15 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 3

| R.T.      | EstConc                           | Area   | Relative to ISTD       |         |             | R.T.   |
|-----------|-----------------------------------|--------|------------------------|---------|-------------|--------|
| 13.292    | 28.30 ug/l                        | 394168 | 1,4-Dichlorobenzene-d4 |         |             | 12.024 |
| Hit# of 5 | Tentative ID                      |        | MW                     | MolForm | CAS#        | Qual   |
| 1         | 1H-Indene, 2,3-dihydro-5-methyl-  |        | 132                    | C10H12  | 000874-35-1 | 89     |
| 2         | Benzene, 1-ethenyl-4-ethyl-       |        | 132                    | C10H12  | 003454-07-7 | 89     |
| 3         | Benzene, 1-methyl-2-(2-propenyl)- |        | 132                    | C10H12  | 001587-04-8 | 81     |
| 4         | Indan, 1-methyl-                  |        | 132                    | C10H12  | 000767-58-8 | 81     |
| 5         | Benzene, 1-ethenyl-3-ethyl-       |        | 132                    | C10H12  | 007525-62-4 | 76     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041324.D  
Acq On : 01 May 2024 14:21  
Operator : JC/MD  
Sample : P2264-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
T2-MW-3-8.0-042424

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Pentane, 2-methyl- | 2.812  | 13.3    | ug/l  | 105658   | 1                     | 5.550  | 398595 | 50.0 |
| Pentane, 3-methyl- | 3.093  | 12.9    | ug/l  | 102405   | 1                     | 5.550  | 398595 | 50.0 |
| Cyclopentane, m... | 4.294  | 18.0    | ug/l  | 143741   | 1                     | 5.550  | 398595 | 50.0 |
| Hexane, 3-methyl-  | 5.824  | 8.9     | ug/l  | 71136    | 1                     | 5.550  | 398595 | 50.0 |
| 1,3-Pentadiene,... | 7.165  | 8.6     | ug/l  | 102249   | 2                     | 6.763  | 597307 | 50.0 |
| Cyclopentene, 4... | 8.141  | 14.6    | ug/l  | 174002   | 2                     | 6.763  | 597307 | 50.0 |
| Cyclohexene, 1-... | 8.500  | 9.8     | ug/l  | 128392   | 3                     | 10.055 | 651840 | 50.0 |
| Cyclopentene, 1... | 9.159  | 10.9    | ug/l  | 141828   | 3                     | 10.055 | 651840 | 50.0 |
| Benzene, cyclop... | 12.244 | 92.5    | ug/l  | 1288320  | 4                     | 12.024 | 696402 | 50.0 |
| Benzene, 1-ethy... | 12.609 | 22.5    | ug/l  | 313431   | 4                     | 12.024 | 696402 | 50.0 |
| Benzene, (1-met... | 12.646 | 9.4     | ug/l  | 130306   | 4                     | 12.024 | 696402 | 50.0 |
| Benzene, 1-ethe... | 12.695 | 34.5    | ug/l  | 480830   | 4                     | 12.024 | 696402 | 50.0 |
| Benzene, 1,2,3,... | 12.920 | 23.1    | ug/l  | 322313   | 4                     | 12.024 | 696402 | 50.0 |
| Indan, 1-methyl-   | 13.170 | 16.3    | ug/l  | 226434   | 4                     | 12.024 | 696402 | 50.0 |
| 1H-Indene, 2,3-... | 13.292 | 28.3    | ug/l  | 394168   | 4                     | 12.024 | 696402 | 50.0 |