

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
 Data File : VX007470.D  
 Acq On : 11 Feb 2019 16:13  
 Operator : JC/SP  
 Sample : K1433-12  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-0503-190207

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\82X020119W.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         | 2.842       | 263           | 277         | 280          | rBV2     | 265536         | 614688        | 1.06%           | 0.243%        |
| 2         | 2.891       | 280           | 285         | 289          | rVV      | 570485         | 1261753       | 2.18%           | 0.500%        |
| 3         | 2.934       | 289           | 292         | 305          | rVV2     | 411715         | 852757        | 1.47%           | 0.338%        |
| 4         | 3.202       | 322           | 336         | 352          | rVB      | 4749487        | 12278875      | 21.23%          | 4.863%        |
| 5         | 4.397       | 523           | 532         | 545          | rVB      | 975511         | 2788705       | 4.82%           | 1.104%        |
| 6         | 5.507       | 698           | 714         | 719          | rBV      | 313742         | 947390        | 1.64%           | 0.375%        |
| 7         | 5.580       | 719           | 726         | 733          | rVV3     | 438159         | 1187265       | 2.05%           | 0.470%        |
| 8         | 5.665       | 734           | 740         | 745          | rBV      | 360566         | 867222        | 1.50%           | 0.343%        |
| 9         | 5.927       | 771           | 783         | 796          | rBV3     | 226428         | 706642        | 1.22%           | 0.280%        |
| 10        | 6.068       | 796           | 806         | 810          | rBV      | 283866         | 715949        | 1.24%           | 0.284%        |
| 11        | 6.147       | 810           | 819         | 830          | rVB      | 5452886        | 13893526      | 24.03%          | 5.502%        |
| 12        | 6.348       | 847           | 852         | 861          | rVB3     | 595771         | 1704730       | 2.95%           | 0.675%        |
| 13        | 6.446       | 861           | 868         | 882          | rVB3     | 388729         | 1162648       | 2.01%           | 0.460%        |
| 14        | 6.860       | 926           | 936         | 944          | rBV      | 787414         | 2128720       | 3.68%           | 0.843%        |
| 15        | 7.458       | 1023          | 1034        | 1046         | rVB5     | 468400         | 1390257       | 2.40%           | 0.551%        |
| 16        | 7.982       | 1113          | 1120        | 1126         | rVB3     | 358523         | 793981        | 1.37%           | 0.314%        |
| 17        | 8.055       | 1126          | 1132        | 1143         | rVB      | 264530         | 587150        | 1.02%           | 0.233%        |
| 18        | 8.177       | 1143          | 1152        | 1155         | rBV      | 358115         | 756934        | 1.31%           | 0.300%        |
| 19        | 8.213       | 1155          | 1158        | 1162         | rVB      | 413634         | 584822        | 1.01%           | 0.232%        |
| 20        | 8.579       | 1211          | 1218        | 1225         | rVB2     | 504636         | 919631        | 1.59%           | 0.364%        |
| 21        | 8.713       | 1235          | 1240        | 1246         | rVB      | 1610937        | 2475340       | 4.28%           | 0.980%        |
| 22        | 8.780       | 1246          | 1251        | 1257         | rVB2     | 770438         | 1176911       | 2.04%           | 0.466%        |
| 23        | 8.908       | 1269          | 1272        | 1280         | rVB      | 431091         | 654546        | 1.13%           | 0.259%        |
| 24        | 9.518       | 1363          | 1372        | 1376         | rBV3     | 369739         | 664703        | 1.15%           | 0.263%        |
| 25        | 9.853       | 1424          | 1427        | 1435         | rVB      | 481000         | 688763        | 1.19%           | 0.273%        |
| 26        | 10.006      | 1447          | 1452        | 1459         | rBV      | 406134         | 594127        | 1.03%           | 0.235%        |
| 27        | 10.079      | 1459          | 1464        | 1466         | rVV      | 886433         | 1351815       | 2.34%           | 0.535%        |
| 28        | 10.109      | 1466          | 1469        | 1473         | rVV      | 1616948        | 2347358       | 4.06%           | 0.930%        |
| 29        | 10.164      | 1473          | 1478        | 1481         | rVV2     | 609319         | 1023516       | 1.77%           | 0.405%        |
| 30        | 10.201      | 1481          | 1484        | 1487         | rVV      | 611315         | 834259        | 1.44%           | 0.330%        |
| 31        | 10.256      | 1487          | 1493        | 1498         | rVV      | 42699409       | 57824068      | 100.00%         | 22.900%       |
| 32        | 10.298      | 1498          | 1500        | 1506         | rVV2     | 763230         | 1445474       | 2.50%           | 0.572%        |
| 33        | 10.359      | 1506          | 1510        | 1516         | rVB      | 2934512        | 3699065       | 6.40%           | 1.465%        |
| 34        | 10.433      | 1516          | 1522        | 1525         | rBV      | 575073         | 835573        | 1.45%           | 0.331%        |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-0503-190207

## 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\82X020119W.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |          |        |         |
|----|--------|------|------|------|------|----------|----------|--------|---------|
| 35 | 10.701 | 1560 | 1566 | 1575 | rVB  | 3693647  | 4931577  | 8.53%  | 1.953%  |
| 36 | 10.847 | 1586 | 1590 | 1596 | rVB5 | 349783   | 637926   | 1.10%  | 0.253%  |
| 37 | 11.018 | 1611 | 1618 | 1623 | rVB  | 6648208  | 8529988  | 14.75% | 3.378%  |
| 38 | 11.073 | 1623 | 1627 | 1631 | rBV  | 469909   | 589581   | 1.02%  | 0.233%  |
| 39 | 11.140 | 1633 | 1638 | 1643 | rVV3 | 1674982  | 2413119  | 4.17%  | 0.956%  |
| 40 | 11.213 | 1646 | 1650 | 1658 | rVB2 | 520670   | 1042010  | 1.80%  | 0.413%  |
| 41 | 11.359 | 1670 | 1674 | 1684 | rVB  | 6881944  | 8386610  | 14.50% | 3.321%  |
| 42 | 11.451 | 1684 | 1689 | 1693 | rVV  | 1071447  | 1368099  | 2.37%  | 0.542%  |
| 43 | 11.506 | 1693 | 1698 | 1704 | rVB  | 896801   | 1395448  | 2.41%  | 0.553%  |
| 44 | 11.670 | 1720 | 1725 | 1731 | rVB  | 10760749 | 13581781 | 23.49% | 5.379%  |
| 45 | 11.804 | 1743 | 1747 | 1752 | rVB  | 1856873  | 2166447  | 3.75%  | 0.858%  |
| 46 | 12.079 | 1786 | 1792 | 1797 | rVB  | 1968690  | 2478695  | 4.29%  | 0.982%  |
| 47 | 12.140 | 1797 | 1802 | 1806 | rBV2 | 693679   | 929993   | 1.61%  | 0.368%  |
| 48 | 12.231 | 1813 | 1817 | 1822 | rVB  | 1547424  | 1890271  | 3.27%  | 0.749%  |
| 49 | 12.298 | 1823 | 1828 | 1833 | rVV  | 23182018 | 28586853 | 49.44% | 11.321% |
| 50 | 12.365 | 1836 | 1839 | 1847 | rVV2 | 729281   | 1228678  | 2.12%  | 0.487%  |
| 51 | 12.469 | 1851 | 1856 | 1860 | rVV  | 1850658  | 2329952  | 4.03%  | 0.923%  |
| 52 | 12.518 | 1860 | 1864 | 1870 | rVB2 | 594545   | 854593   | 1.48%  | 0.338%  |
| 53 | 12.585 | 1870 | 1875 | 1881 | rVB  | 461239   | 617227   | 1.07%  | 0.244%  |
| 54 | 12.664 | 1881 | 1888 | 1891 | rBV  | 1660852  | 2102654  | 3.64%  | 0.833%  |
| 55 | 12.700 | 1891 | 1894 | 1898 | rVV  | 922792   | 1090600  | 1.89%  | 0.432%  |
| 56 | 12.755 | 1898 | 1903 | 1911 | rVB2 | 3165592  | 4249651  | 7.35%  | 1.683%  |
| 57 | 12.975 | 1933 | 1939 | 1943 | rBV  | 2408984  | 2939013  | 5.08%  | 1.164%  |
| 58 | 13.225 | 1976 | 1980 | 1990 | rVB  | 2342507  | 2803754  | 4.85%  | 1.110%  |
| 59 | 13.347 | 1996 | 2000 | 2005 | rVB2 | 4778954  | 5956231  | 10.30% | 2.359%  |
| 60 | 13.402 | 2005 | 2009 | 2017 | rVV2 | 1091265  | 1462348  | 2.53%  | 0.579%  |
| 61 | 13.481 | 2017 | 2022 | 2027 | rVB  | 1282063  | 1635285  | 2.83%  | 0.648%  |
| 62 | 13.597 | 2038 | 2041 | 2045 | rBV  | 436390   | 581485   | 1.01%  | 0.230%  |
| 63 | 13.645 | 2045 | 2049 | 2054 | rVB3 | 459134   | 874525   | 1.51%  | 0.346%  |
| 64 | 13.719 | 2059 | 2061 | 2071 | rVB2 | 479683   | 639481   | 1.11%  | 0.253%  |
| 65 | 13.834 | 2071 | 2080 | 2087 | rVB  | 14120778 | 17662860 | 30.55% | 6.995%  |
| 66 | 13.926 | 2089 | 2095 | 2100 | rBV  | 1173026  | 1500131  | 2.59%  | 0.594%  |
| 67 | 14.694 | 2218 | 2221 | 2228 | rVB  | 837125   | 1038168  | 1.80%  | 0.411%  |
| 68 | 14.840 | 2239 | 2245 | 2251 | rBV2 | 1652085  | 2250842  | 3.89%  | 0.891%  |

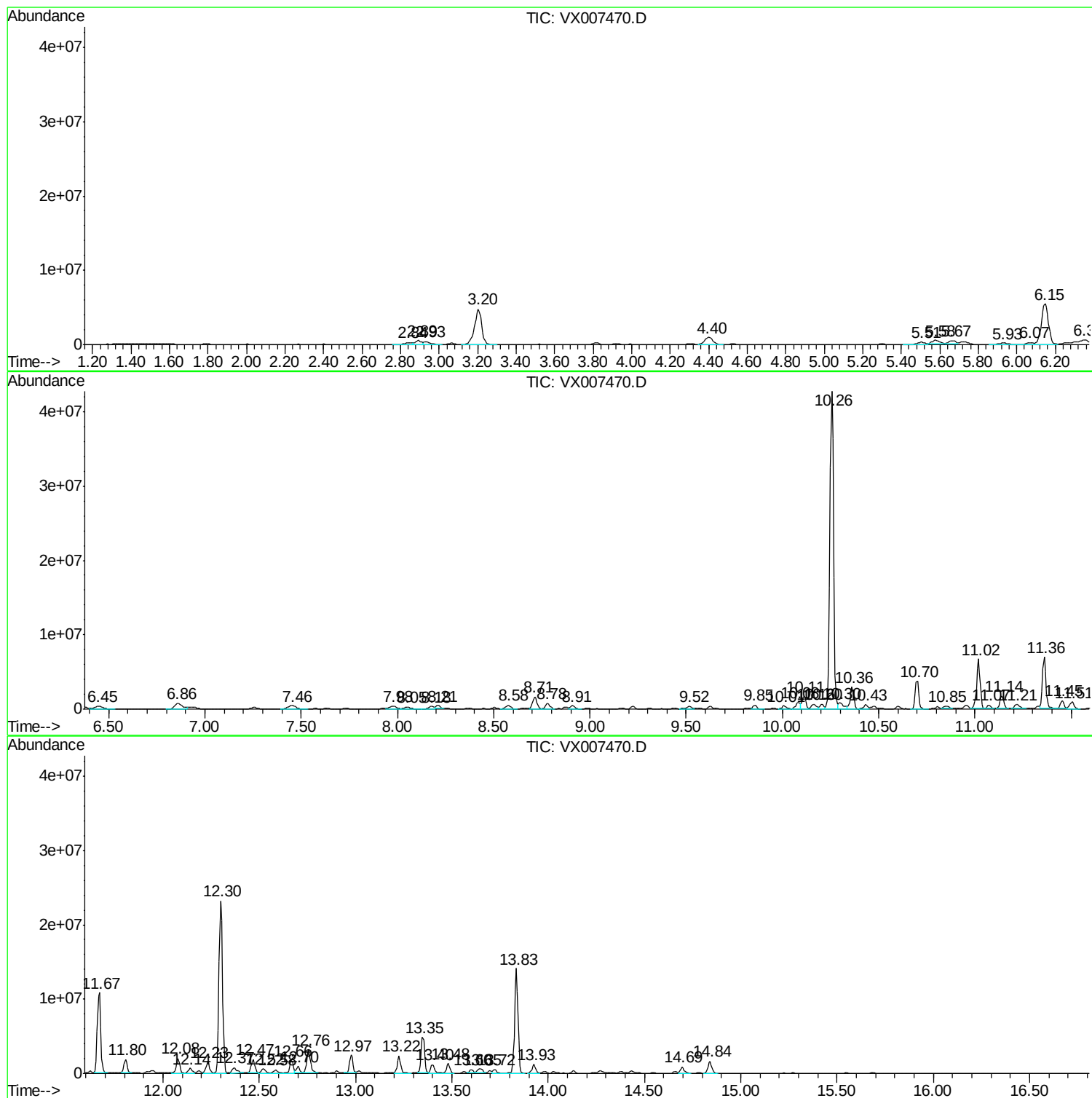
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
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Sample : K1433-12  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

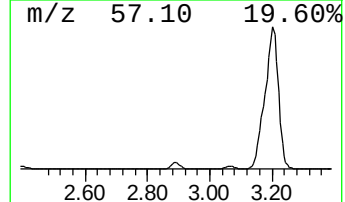
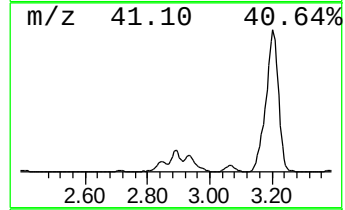
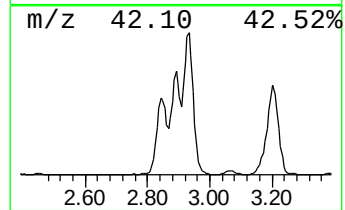
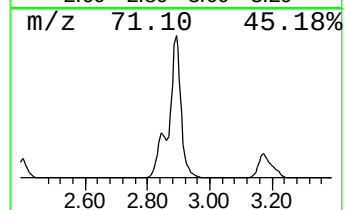
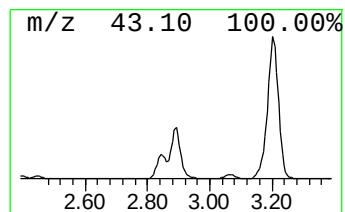
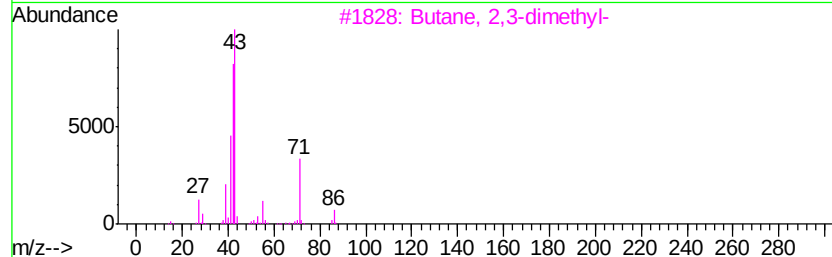
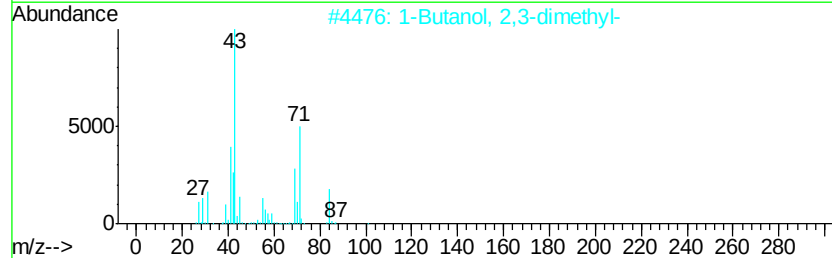
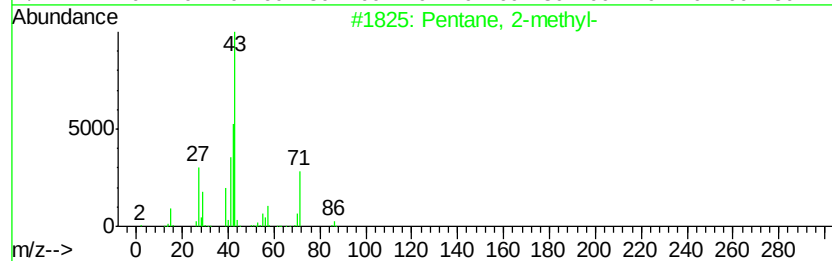
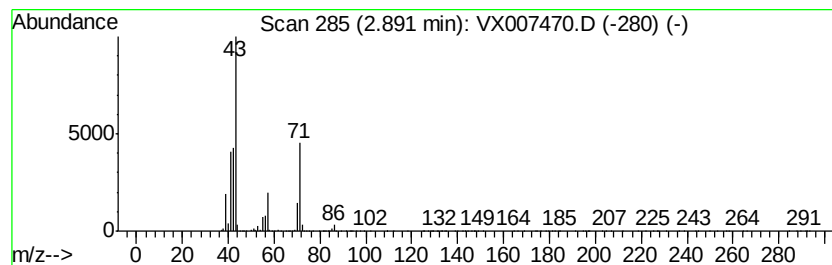
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Pentane, 2-methyl- Concentration Rank 6

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 2.89 | 72.75 ug/l | 1261750 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2-methyl-         | 86  | C6H14   | 000107-83-5 | 83   |
| 2    |    | 1-Butanol, 2,3-dimethyl-   | 102 | C6H14O  | 019550-30-2 | 50   |
| 3    |    | Butane, 2,3-dimethyl-      | 86  | C6H14   | 000079-29-8 | 47   |
| 4    |    | Pentane                    | 72  | C5H12   | 000109-66-0 | 43   |
| 5    |    | Pentane, 3-ethyl-2-methyl- | 114 | C8H18   | 000609-26-7 | 33   |



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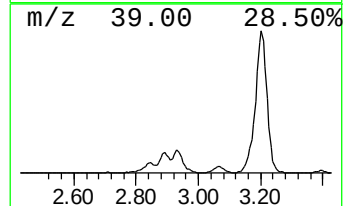
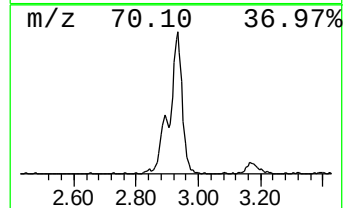
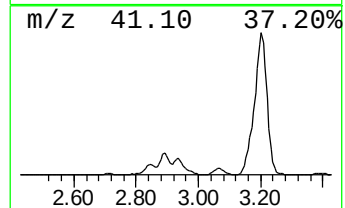
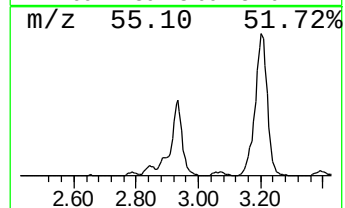
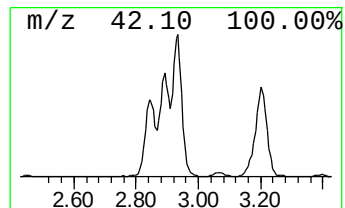
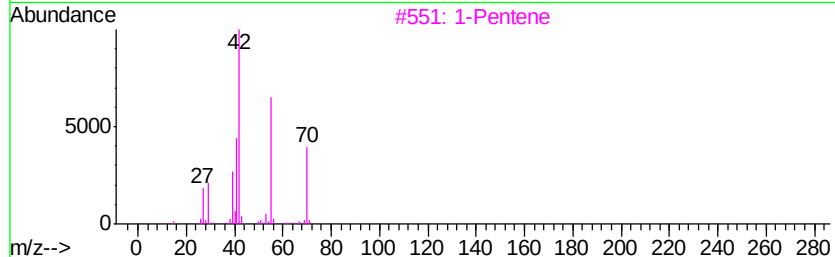
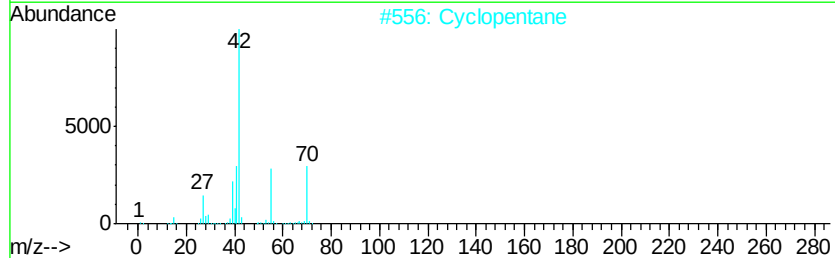
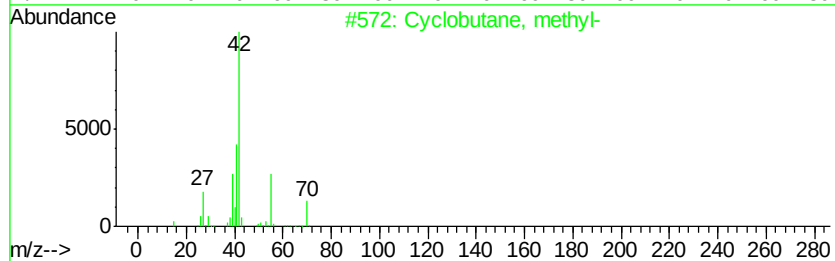
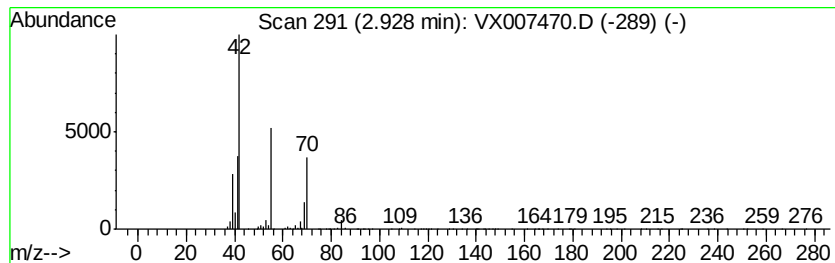
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Cyclobutane, methyl- Concentration Rank 9

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 2.93 | 49.17 ug/l | 852757 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclobutane, methyl-                | 70  | C5H10   | 000598-61-8 | 83   |
| 2    |    | Cyclopentane                        | 70  | C5H10   | 000287-92-3 | 80   |
| 3    |    | 1-Pentene                           | 70  | C5H10   | 000109-67-1 | 80   |
| 4    |    | Cyclopropane, ethyl-                | 70  | C5H10   | 001191-96-4 | 72   |
| 5    |    | 2(3H)-Furanone, dihydro-3,5-dime... | 114 | C6H10O2 | 005145-01-7 | 39   |



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Quant Title : SW846 8260

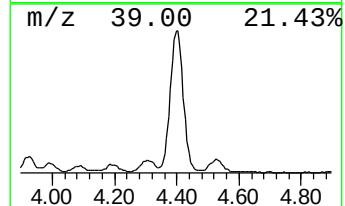
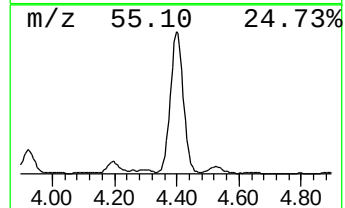
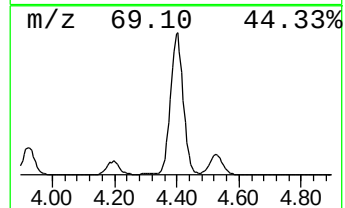
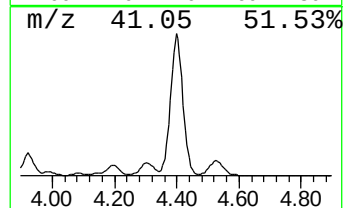
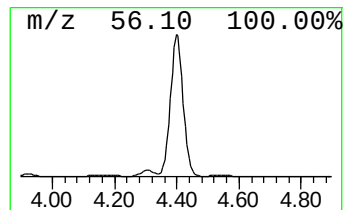
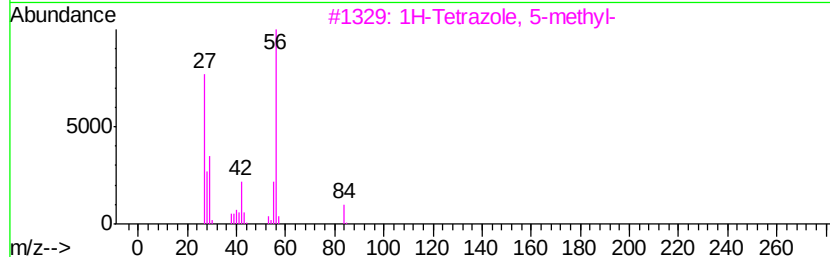
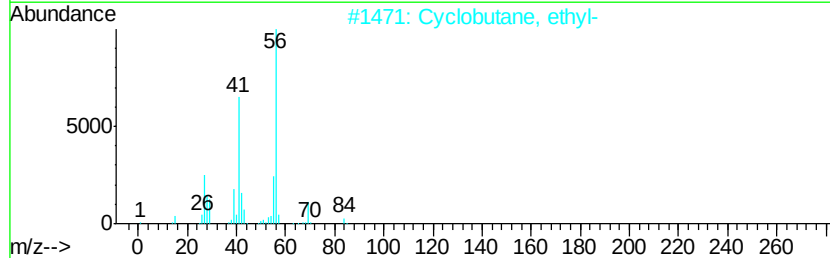
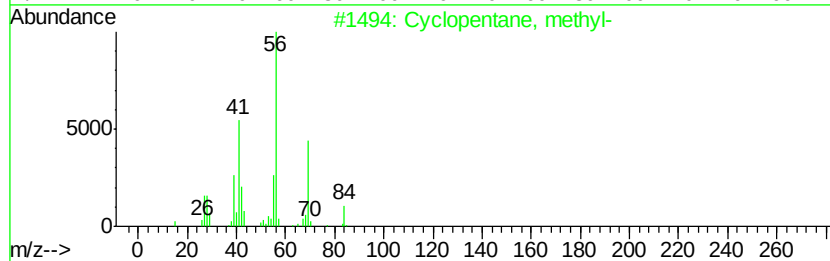
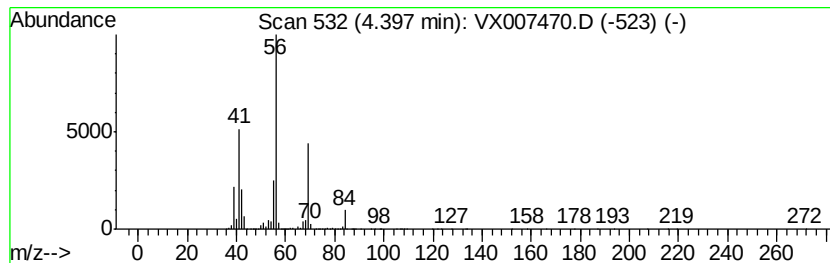
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 4.40 | 160.78 ug/l | 2788710 | Pentafluorobenzene | 5.67 |

| Hit# of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|---------|---|-------------------------|----|---------|-------------|------|
| 1       |   | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 94   |
| 2       |   | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 72   |
| 3       |   | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 64   |
| 4       |   | Propane, 2-cyclopropyl- | 84 | C6H12   | 003638-35-5 | 64   |
| 5       |   | Cyclohexane             | 84 | C6H12   | 000110-82-7 | 56   |



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ClientSampleId :  
DUP-0503-190207

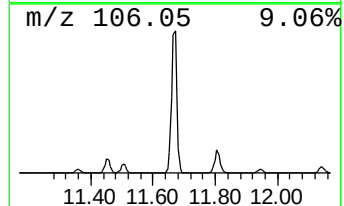
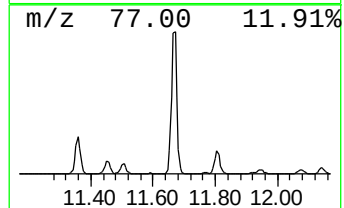
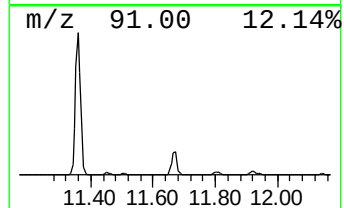
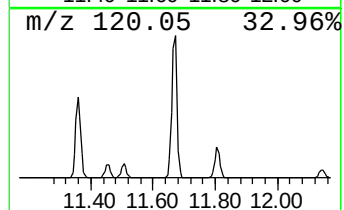
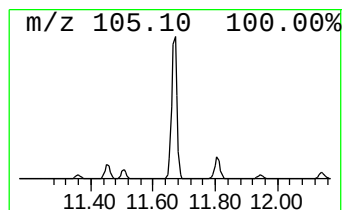
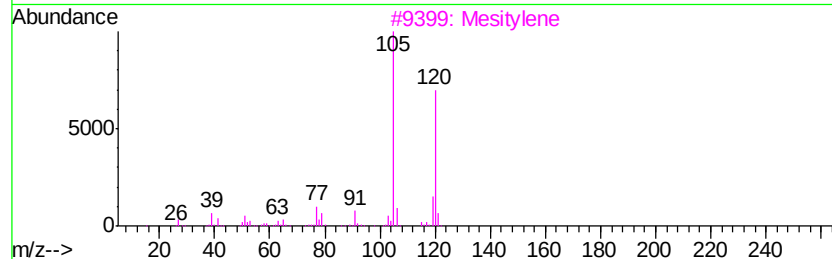
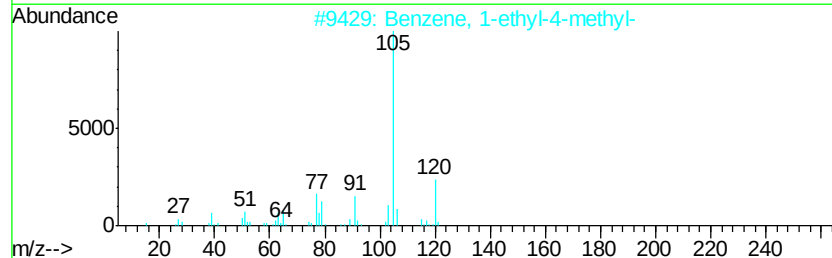
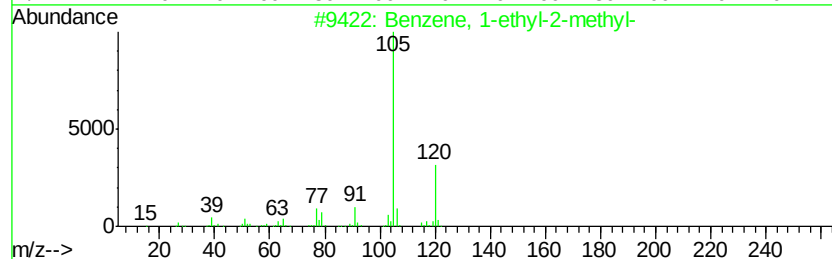
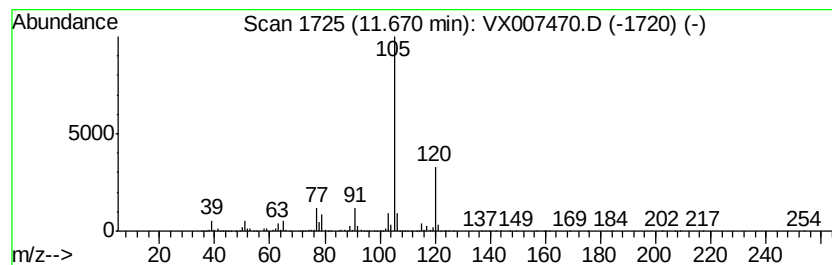
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Quant Title : SW846 8260

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

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Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 11.67 | 273.97 ug/l | 13581800 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 2    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 3    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 90   |
| 4    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 90   |
| 5    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
Data File : VX007470.D  
Acq On : 11 Feb 2019 16:13  
Operator : JC/SP  
Sample : K1433-12  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

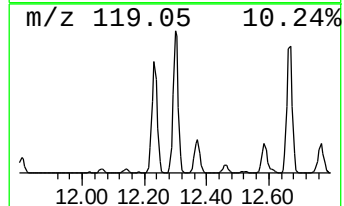
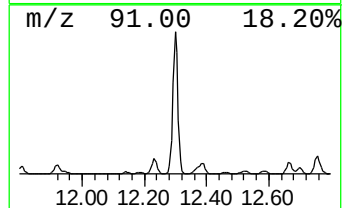
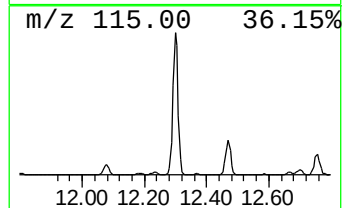
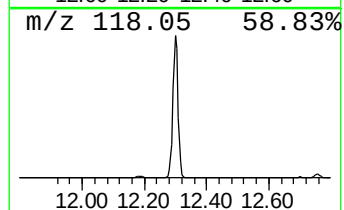
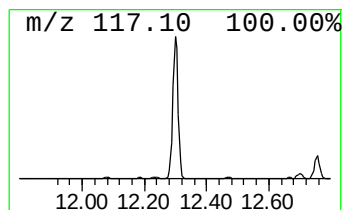
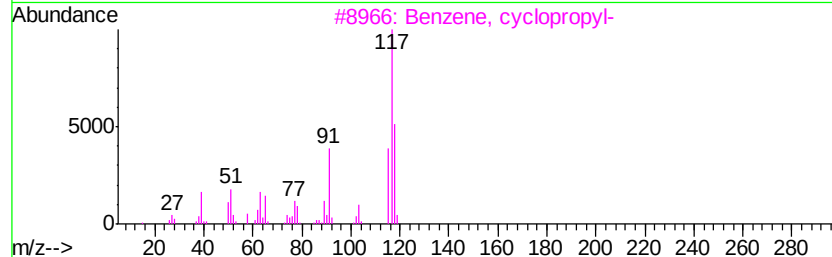
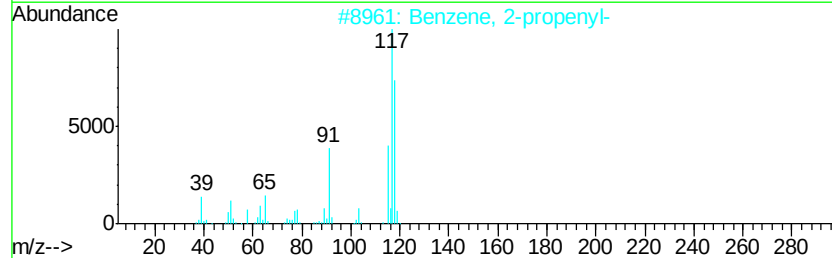
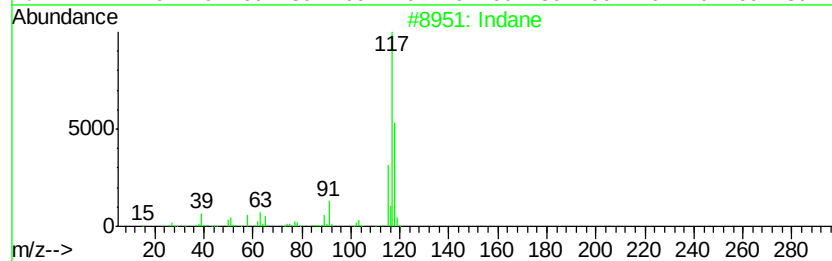
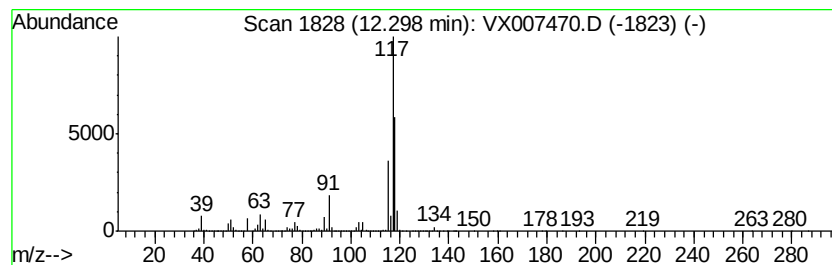
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Indane Concentration Rank 1

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 12.30 | 576.65 ug/l | 28586900 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of | 5                            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------|--------------|-----|---------|-------------|------|
| 1       | Indane                       |              | 118 | C9H10   | 000496-11-7 | 90   |
| 2       | Benzene, 2-propenyl-         |              | 118 | C9H10   | 000300-57-2 | 87   |
| 3       | Benzene, cyclopropyl-        |              | 118 | C9H10   | 000873-49-4 | 81   |
| 4       | Benzene, 1-ethenyl-2-methyl- |              | 118 | C9H10   | 000611-15-4 | 74   |
| 5       | Deltacyclene                 |              | 118 | C9H10   | 007785-10-6 | 64   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
Data File : VX007470.D  
Acq On : 11 Feb 2019 16:13  
Operator : JC/SP  
Sample : K1433-12  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

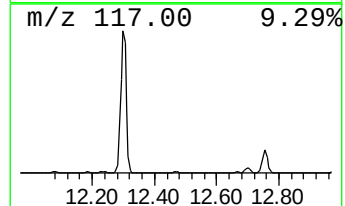
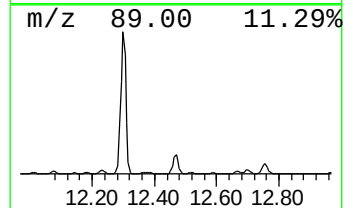
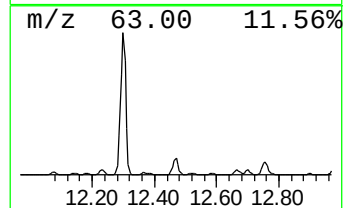
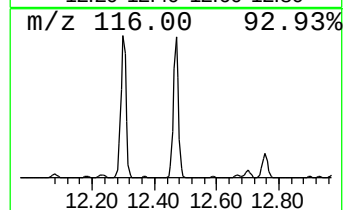
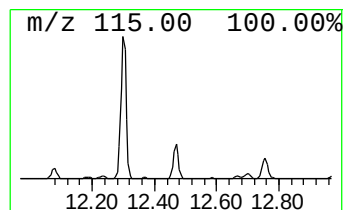
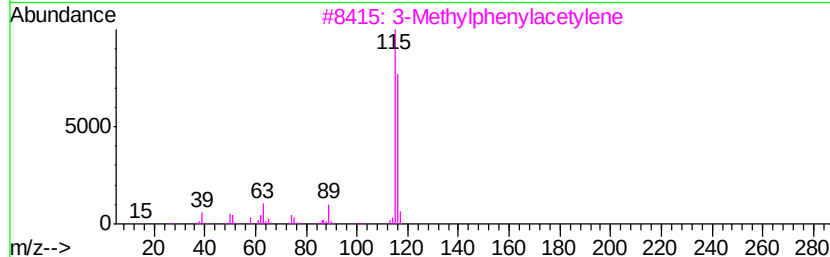
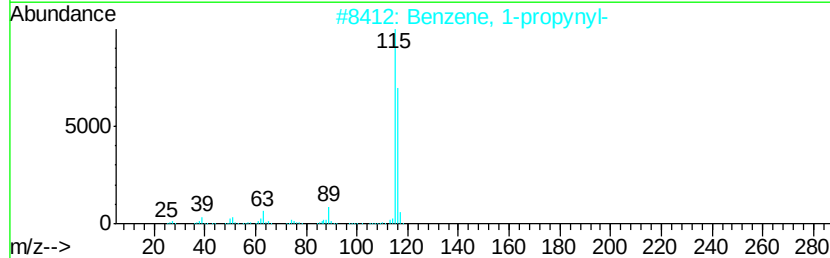
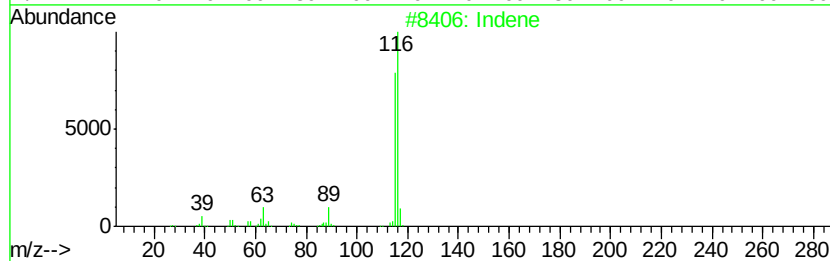
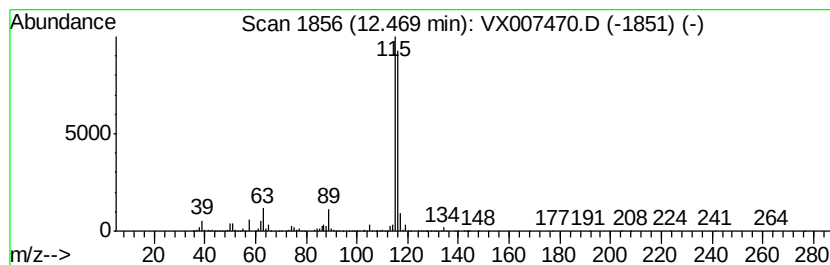
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Indene Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.47 | 47.00 ug/l | 2329950 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Indene                       | 116 | C9H8    | 000095-13-6 | 97   |
| 2    |    | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 94   |
| 3    |    | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 91   |
| 4    |    | 2-Methylphenylacetylene      | 116 | C9H8    | 000766-47-2 | 91   |
| 5    |    | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
Data File : VX007470.D  
Acq On : 11 Feb 2019 16:13  
Operator : JC/SP  
Sample : K1433-12  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

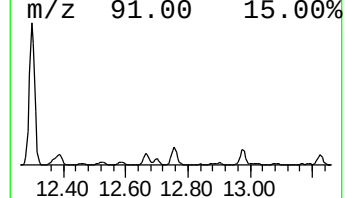
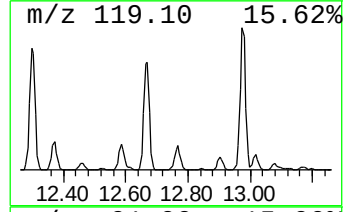
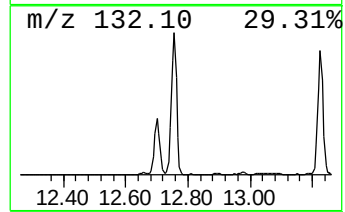
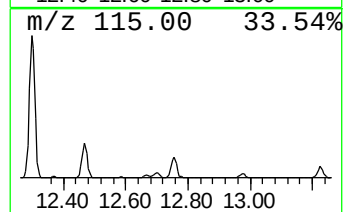
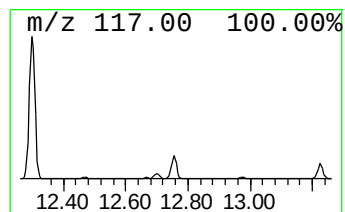
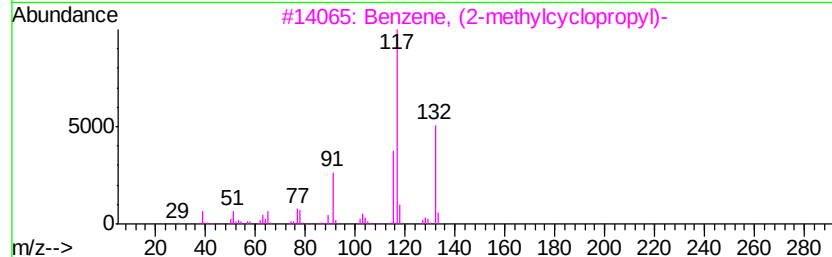
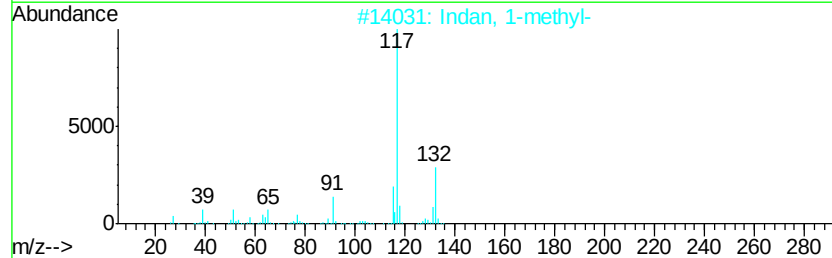
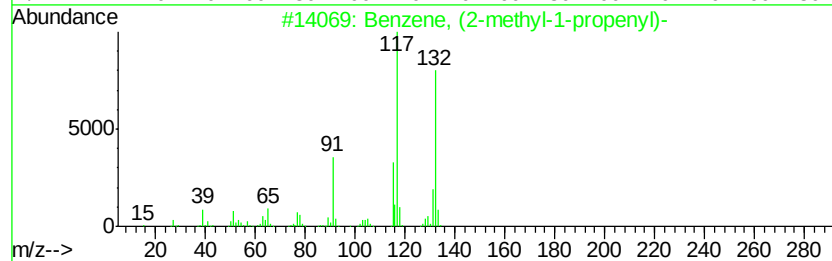
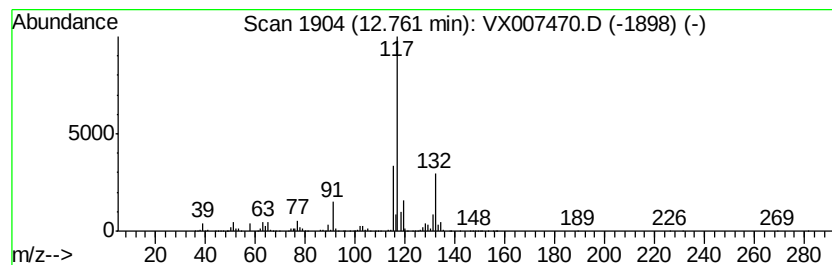
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, (2-methyl-1-propen... Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.76 | 85.72 ug/l | 4249650 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0  | 90   |
| 2    |    | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8  | 87   |
| 3    |    | Benzene, (2-methylcyclopropyl)- | 132 | C10H12  | 1000327-39-0 | 87   |
| 4    |    | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4  | 87   |
| 5    |    | Benzene, 1-ethenyl-4-ethyl-     | 132 | C10H12  | 003454-07-7  | 86   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
Data File : VX007470.D  
Acq On : 11 Feb 2019 16:13  
Operator : JC/SP  
Sample : K1433-12  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

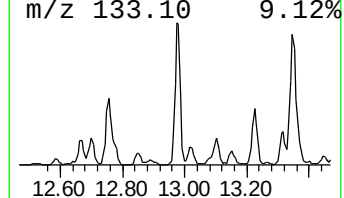
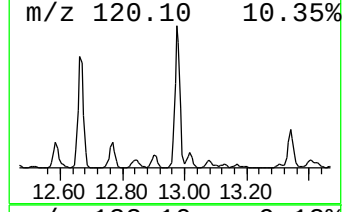
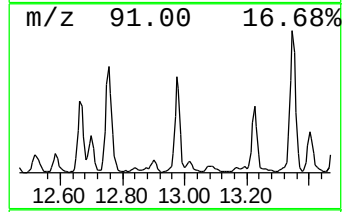
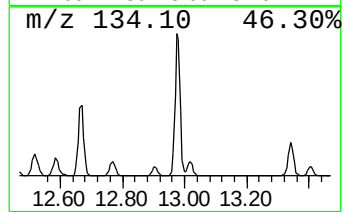
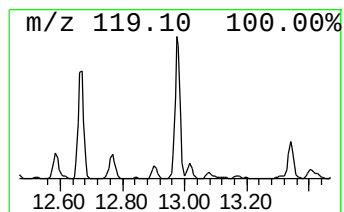
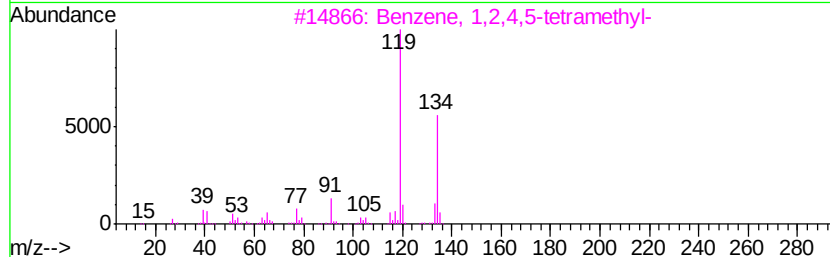
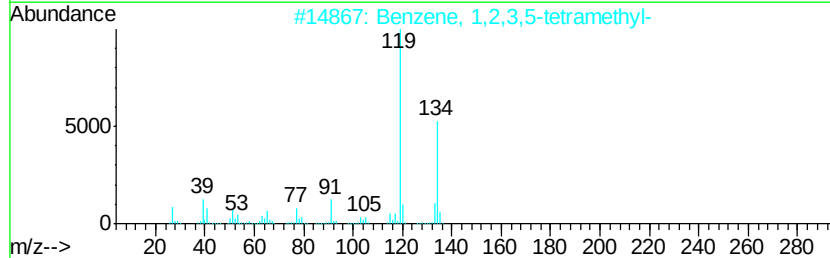
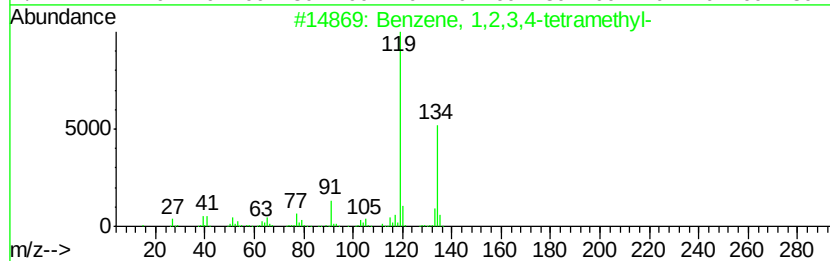
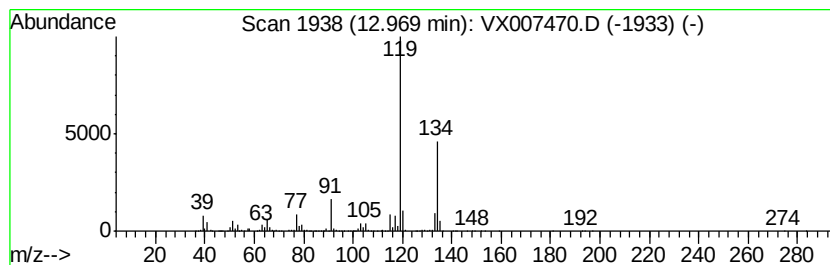
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.97 | 59.29 ug/l | 2939010 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 2    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 97   |
| 3    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
Data File : VX007470.D  
Acq On : 11 Feb 2019 16:13  
Operator : JC/SP  
Sample : K1433-12  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

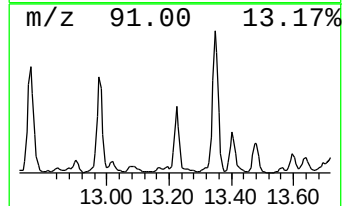
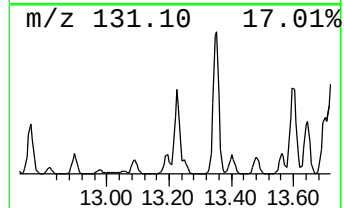
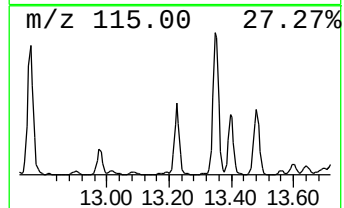
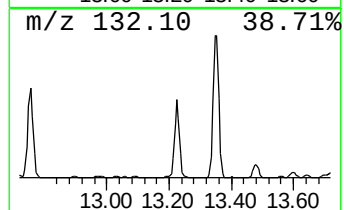
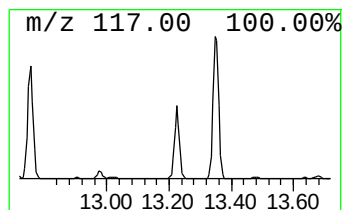
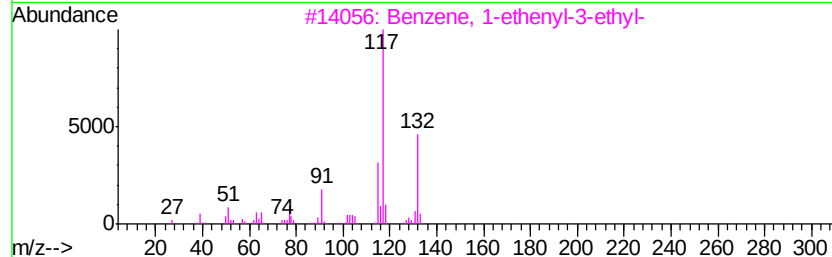
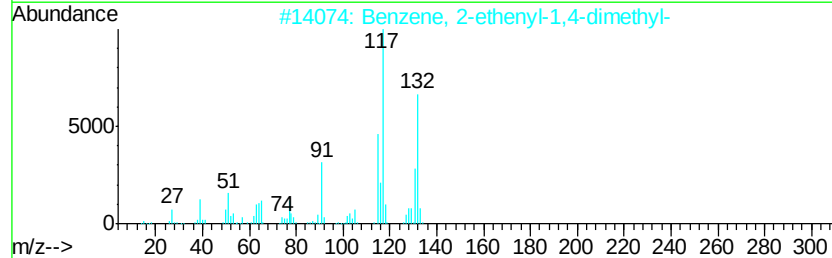
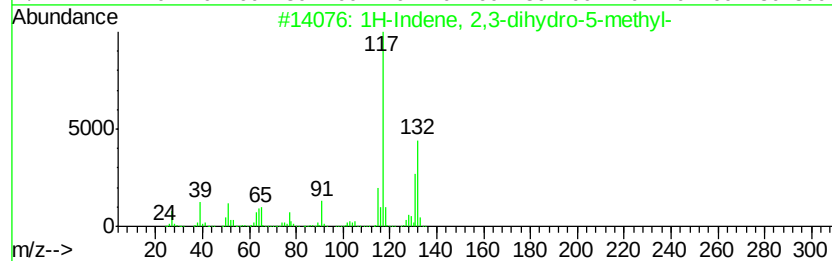
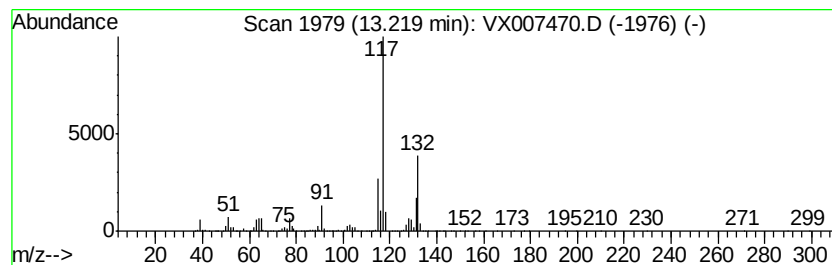
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.22 | 56.56 ug/l | 2803750 | 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 | 93   |
| 2    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 92   |
| 3    |    | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 90   |
| 4    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |
| 5    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\  
Data File : VX007470.D  
Acq On : 11 Feb 2019 16:13  
Operator : JC/SP  
Sample : K1433-12  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

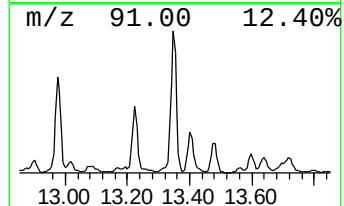
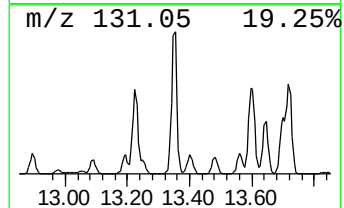
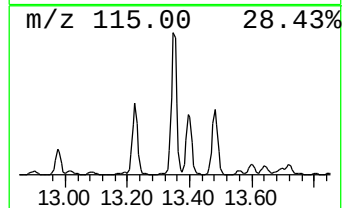
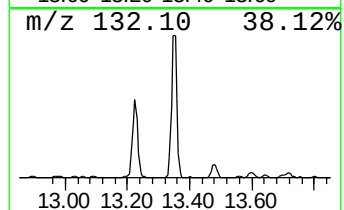
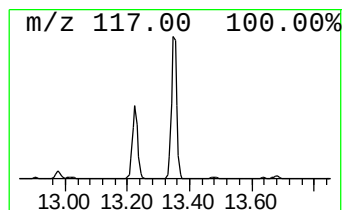
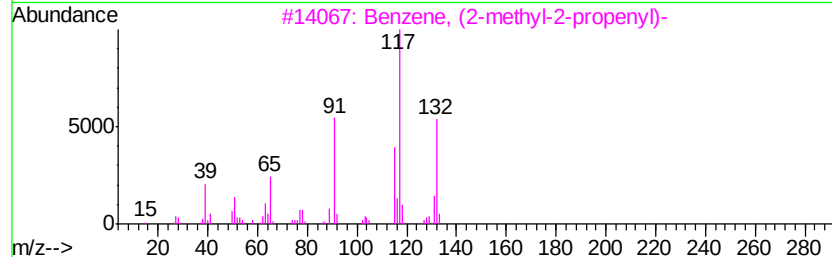
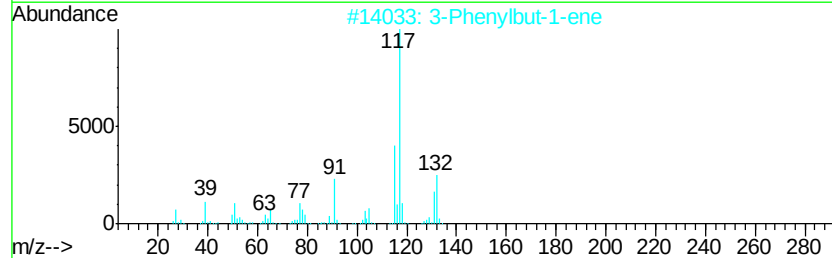
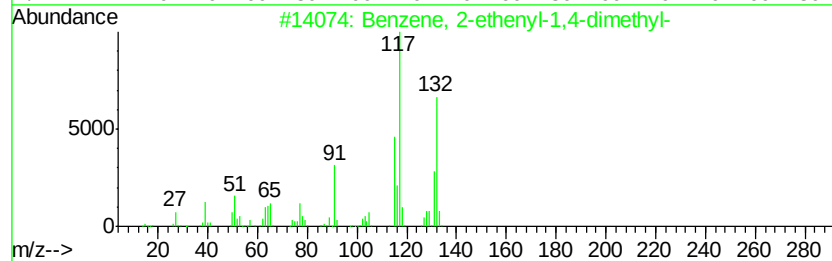
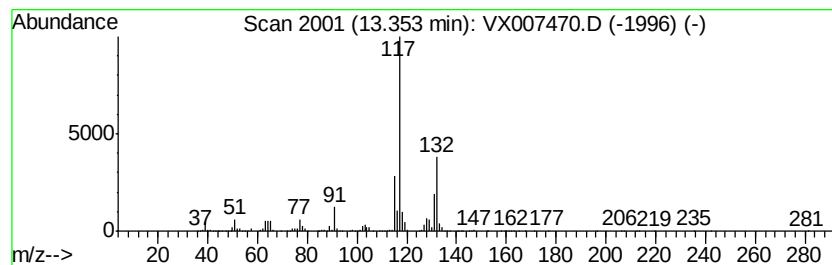
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 13.35 | 120.15 ug/l | 5956230 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 96   |
| 2    |    | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 90   |
| 3    |    | Benzene, (2-methyl-2-propenyl)-   | 132 | C10H12  | 003290-53-7 | 90   |
| 4    |    | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 | C10H12  | 000874-35-1 | 90   |
| 5    |    | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 87   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX021119\  
Data File : VX007470.D  
Acq On : 11 Feb 2019 16:13  
Operator : JC/SP  
Sample : K1433-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-0503-190207

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.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 |
| Pentane, 2-methyl-   | 2.89  | 72.8    | ug/l  | 1261750  | 1                     | 5.67  | 867222  | 50.0 |
| Cyclobutane, methyl- | 2.93  | 49.2    | ug/l  | 852757   | 1                     | 5.67  | 867222  | 50.0 |
| Cyclopentane, met... | 4.40  | 160.8   | ug/l  | 2788710  | 1                     | 5.67  | 867222  | 50.0 |
| Benzene, 1-ethyl-... | 11.67 | 274.0   | ug/l  | 13581800 | 4                     | 12.08 | 2478700 | 50.0 |
| Indane               | 12.30 | 576.6   | ug/l  | 28586900 | 4                     | 12.08 | 2478700 | 50.0 |
| Indene               | 12.47 | 47.0    | ug/l  | 2329950  | 4                     | 12.08 | 2478700 | 50.0 |
| Benzene, (2-methy... | 12.76 | 85.7    | ug/l  | 4249650  | 4                     | 12.08 | 2478700 | 50.0 |
| Benzene, 1,2,3,4-... | 12.97 | 59.3    | ug/l  | 2939010  | 4                     | 12.08 | 2478700 | 50.0 |
| 1H-Indene, 2,3-di... | 13.22 | 56.6    | ug/l  | 2803750  | 4                     | 12.08 | 2478700 | 50.0 |
| Benzene, 2-etheny... | 13.35 | 120.2   | ug/l  | 5956230  | 4                     | 12.08 | 2478700 | 50.0 |