

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
 Data File : VV016879.D  
 Acq On : 12 Jun 2020 15:13  
 Operator : SY/MD  
 Sample : L2947-02  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXE1

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % 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\_V\METHOD\SOMVLM060820WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.315    | 63         | 70       | 81        | rVB2  | 187155      | 187892     | 1.04%        | 0.442%     |
| 2      | 1.557    | 139        | 145      | 160       | rVB2  | 115105      | 162175     | 0.89%        | 0.382%     |
| 3      | 2.119    | 310        | 320      | 334       | rBV3  | 410764      | 709106     | 3.91%        | 1.669%     |
| 4      | 2.290    | 364        | 373      | 394       | rBV2  | 24751       | 69411      | 0.38%        | 0.163%     |
| 5      | 2.502    | 435        | 439      | 440       | rBV4  | 2856        | 1707       | 0.01%        | 0.004%     |
| 6      | 2.586    | 462        | 465      | 469       | rBV4  | 2087        | 1643       | 0.01%        | 0.004%     |
| 7      | 2.640    | 472        | 482      | 503       | rVB   | 35851       | 92110      | 0.51%        | 0.217%     |
| 8      | 2.746    | 512        | 515      | 516       | rBV3  | 2107        | 1234       | 0.01%        | 0.003%     |
| 9      | 2.846    | 544        | 546      | 549       | rBV3  | 1176        | 701        | 0.00%        | 0.002%     |
| 10     | 2.865    | 549        | 552      | 556       | rBV5  | 970         | 552        | 0.00%        | 0.001%     |
| 11     | 2.904    | 561        | 564      | 565       | rBV3  | 1632        | 602        | 0.00%        | 0.001%     |
| 12     | 2.936    | 568        | 574      | 575       | rBV5  | 1967        | 1919       | 0.01%        | 0.005%     |
| 13     | 3.000    | 592        | 594      | 598       | rBV3  | 1492        | 772        | 0.00%        | 0.002%     |
| 14     | 3.045    | 605        | 608      | 610       | rBV3  | 1081        | 839        | 0.00%        | 0.002%     |
| 15     | 3.103    | 624        | 626      | 629       | rVB4  | 652         | 253        | 0.00%        | 0.001%     |
| 16     | 3.122    | 629        | 632      | 635       | rVB5  | 2269        | 1044       | 0.01%        | 0.002%     |
| 17     | 3.145    | 636        | 639      | 640       | rBV2  | 925         | 355        | 0.00%        | 0.001%     |
| 18     | 3.206    | 640        | 658      | 678       | rBV   | 1809289     | 3788310    | 20.88%       | 8.914%     |
| 19     | 3.518    | 752        | 755      | 757       | rBV5  | 1584        | 1039       | 0.01%        | 0.002%     |
| 20     | 3.540    | 760        | 762      | 763       | rBV2  | 730         | 353        | 0.00%        | 0.001%     |
| 21     | 3.566    | 767        | 770      | 774       | rVB6  | 1614        | 1003       | 0.01%        | 0.002%     |
| 22     | 3.589    | 774        | 777      | 778       | rBV3  | 1453        | 776        | 0.00%        | 0.002%     |
| 23     | 3.727    | 817        | 820      | 824       | rVB4  | 1741        | 1206       | 0.01%        | 0.003%     |
| 24     | 3.746    | 824        | 826      | 828       | rBV3  | 712         | 505        | 0.00%        | 0.001%     |
| 25     | 3.897    | 862        | 873      | 901       | rBV2  | 105025      | 373675     | 2.06%        | 0.879%     |
| 26     | 4.219    | 972        | 973      | 977       | rBV4  | 1239        | 772        | 0.00%        | 0.002%     |
| 27     | 4.373    | 1006       | 1021     | 1043      | rBV   | 220180      | 529256     | 2.92%        | 1.245%     |
| 28     | 4.521    | 1065       | 1067     | 1069      | rBV2  | 1095        | 459        | 0.00%        | 0.001%     |
| 29     | 4.534    | 1069       | 1071     | 1072      | rBV2  | 974         | 292        | 0.00%        | 0.001%     |
| 30     | 4.634    | 1079       | 1102     | 1134      | rBV   | 7287570     | 18139047   | 100.00%      | 42.683%    |
| 31     | 4.974    | 1206       | 1208     | 1209      | rBV2  | 1667        | 629        | 0.00%        | 0.001%     |
| 32     | 5.068    | 1221       | 1237     | 1269      | rBV2  | 512272      | 1341554    | 7.40%        | 3.157%     |
| 33     | 5.328    | 1313       | 1318     | 1319      | rBV4  | 2333        | 1818       | 0.01%        | 0.004%     |
| 34     | 5.470    | 1358       | 1362     | 1365      | rBV5  | 1724        | 1637       | 0.01%        | 0.004%     |

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 Max Peaks: 100  
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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 5.524  | 1376 | 1379 | 1381 | rBV3  | 1664    | 968     | 0.01%  | 0.002% |
| 36 | 5.537  | 1381 | 1383 | 1386 | rBV3  | 1285    | 845     | 0.00%  | 0.002% |
| 37 | 5.553  | 1386 | 1388 | 1390 | rBV3  | 1268    | 721     | 0.00%  | 0.002% |
| 38 | 5.640  | 1402 | 1415 | 1437 | rBV   | 373796  | 749576  | 4.13%  | 1.764% |
| 39 | 5.794  | 1462 | 1463 | 1465 | rBV2  | 766     | 297     | 0.00%  | 0.001% |
| 40 | 5.807  | 1465 | 1467 | 1471 | rVB4  | 1749    | 1284    | 0.01%  | 0.003% |
| 41 | 5.827  | 1471 | 1473 | 1474 | rBV2  | 1532    | 498     | 0.00%  | 0.001% |
| 42 | 5.897  | 1493 | 1495 | 1496 | rBV2  | 1010    | 444     | 0.00%  | 0.001% |
| 43 | 5.929  | 1496 | 1505 | 1515 | rBV7  | 13278   | 30575   | 0.17%  | 0.072% |
| 44 | 6.013  | 1529 | 1531 | 1538 | rVB7  | 1851    | 1489    | 0.01%  | 0.004% |
| 45 | 6.093  | 1542 | 1556 | 1582 | rBV   | 292838  | 598618  | 3.30%  | 1.409% |
| 46 | 6.338  | 1617 | 1632 | 1655 | rBV2  | 244064  | 514150  | 2.83%  | 1.210% |
| 47 | 6.589  | 1704 | 1710 | 1718 | rVB2  | 3217    | 4926    | 0.03%  | 0.012% |
| 48 | 6.727  | 1750 | 1753 | 1754 | rBV3  | 1150    | 631     | 0.00%  | 0.001% |
| 49 | 6.958  | 1813 | 1825 | 1831 | rBV2  | 27664   | 51569   | 0.28%  | 0.121% |
| 50 | 7.007  | 1832 | 1840 | 1855 | rVB   | 179901  | 317516  | 1.75%  | 0.747% |
| 51 | 7.158  | 1875 | 1887 | 1904 | rVB2  | 204960  | 393940  | 2.17%  | 0.927% |
| 52 | 7.338  | 1930 | 1943 | 1959 | rBV   | 608624  | 1056346 | 5.82%  | 2.486% |
| 53 | 7.640  | 2027 | 2037 | 2058 | rBV2  | 125136  | 219591  | 1.21%  | 0.517% |
| 54 | 7.962  | 2124 | 2137 | 2139 | rBV10 | 4498    | 8204    | 0.05%  | 0.019% |
| 55 | 8.106  | 2172 | 2182 | 2210 | rBV   | 329773  | 619539  | 3.42%  | 1.458% |
| 56 | 8.347  | 2255 | 2257 | 2258 | rBV2  | 1033    | 398     | 0.00%  | 0.001% |
| 57 | 8.473  | 2292 | 2296 | 2299 | rBV5  | 2555    | 2217    | 0.01%  | 0.005% |
| 58 | 8.611  | 2336 | 2339 | 2341 | rBV4  | 790     | 377     | 0.00%  | 0.001% |
| 59 | 8.624  | 2341 | 2343 | 2344 | rBV2  | 1321    | 557     | 0.00%  | 0.001% |
| 60 | 8.736  | 2373 | 2378 | 2383 | rBV7  | 2352    | 2048    | 0.01%  | 0.005% |
| 61 | 8.778  | 2383 | 2391 | 2402 | rBV5  | 10497   | 20984   | 0.12%  | 0.049% |
| 62 | 8.871  | 2409 | 2420 | 2445 | rBV   | 576918  | 1047144 | 5.77%  | 2.464% |
| 63 | 9.248  | 2528 | 2537 | 2547 | rBV   | 3973    | 7501    | 0.04%  | 0.018% |
| 64 | 9.334  | 2562 | 2564 | 2566 | rBV3  | 2264    | 1233    | 0.01%  | 0.003% |
| 65 | 9.431  | 2590 | 2594 | 2596 | rBV4  | 1440    | 1127    | 0.01%  | 0.003% |
| 66 | 9.447  | 2597 | 2599 | 2600 | rBV2  | 698     | 253     | 0.00%  | 0.001% |
| 67 | 9.518  | 2612 | 2621 | 2627 | rBV2  | 3533    | 5481    | 0.03%  | 0.013% |
| 68 | 9.659  | 2663 | 2665 | 2667 | rBV3  | 1371    | 809     | 0.00%  | 0.002% |
| 69 | 9.685  | 2671 | 2673 | 2675 | rBV3  | 1532    | 876     | 0.00%  | 0.002% |
| 70 | 9.749  | 2678 | 2693 | 2710 | rBV   | 1945903 | 2948811 | 16.26% | 6.939% |
| 71 | 10.032 | 2774 | 2781 | 2793 | rBV2  | 57383   | 88850   | 0.49%  | 0.209% |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXE1

## Integration Parameters: LSCINT.P

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 Sampling : 1  
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Filtering: 5  
 Min Area: 0 % of largest Peak  
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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 72 | 10.238 | 2835 | 2845 | 2859 | rBV  | 398549  | 611862  | 3.37%  | 1.440%  |
| 73 | 10.502 | 2915 | 2927 | 2941 | rVB  | 3196987 | 5261363 | 29.01% | 12.380% |
| 74 | 11.270 | 3154 | 3166 | 3184 | rBV  | 620920  | 972813  | 5.36%  | 2.289%  |
| 75 | 11.556 | 3243 | 3255 | 3269 | rBV4 | 137858  | 235394  | 1.30%  | 0.554%  |
| 76 | 11.646 | 3272 | 3283 | 3302 | rVB  | 703132  | 1132582 | 6.24%  | 2.665%  |
| 77 | 12.341 | 3491 | 3499 | 3511 | rVB  | 86209   | 130702  | 0.72%  | 0.308%  |
| 78 | 12.968 | 3690 | 3694 | 3695 | rBV2 | 2572    | 1673    | 0.01%  | 0.004%  |
| 79 | 13.157 | 3751 | 3753 | 3756 | rBV3 | 1364    | 1015    | 0.01%  | 0.002%  |
| 80 | 13.238 | 3774 | 3778 | 3782 | rBV4 | 3517    | 3230    | 0.02%  | 0.008%  |
| 81 | 13.286 | 3789 | 3793 | 3794 | rBV3 | 2568    | 1553    | 0.01%  | 0.004%  |
| 82 | 13.460 | 3844 | 3847 | 3848 | rBV3 | 759     | 391     | 0.00%  | 0.001%  |
| 83 | 13.469 | 3848 | 3850 | 3851 | rBV2 | 1056    | 421     | 0.00%  | 0.001%  |
| 84 | 13.620 | 3890 | 3897 | 3902 | rBV2 | 9334    | 14121   | 0.08%  | 0.033%  |
| 85 | 13.836 | 3960 | 3964 | 3965 | rBV3 | 1401    | 813     | 0.00%  | 0.002%  |
| 86 | 13.900 | 3982 | 3984 | 3987 | rBV4 | 1985    | 1207    | 0.01%  | 0.003%  |
| 87 | 13.929 | 3990 | 3993 | 3994 | rBV3 | 2545    | 1170    | 0.01%  | 0.003%  |
| 88 | 14.013 | 4017 | 4019 | 4022 | rVB3 | 978     | 407     | 0.00%  | 0.001%  |
| 89 | 14.032 | 4022 | 4025 | 4028 | rBV5 | 1266    | 1024    | 0.01%  | 0.002%  |
| 90 | 14.103 | 4044 | 4047 | 4048 | rBV3 | 2750    | 1551    | 0.01%  | 0.004%  |
| 91 | 14.379 | 4131 | 4133 | 4135 | rBV3 | 1511    | 805     | 0.00%  | 0.002%  |
| 92 | 14.495 | 4167 | 4169 | 4171 | rBV3 | 1233    | 663     | 0.00%  | 0.002%  |
| 93 | 14.572 | 4191 | 4193 | 4194 | rBV2 | 1187    | 545     | 0.00%  | 0.001%  |
| 94 | 14.775 | 4254 | 4256 | 4257 | rBV2 | 1296    | 443     | 0.00%  | 0.001%  |
| 95 | 14.797 | 4260 | 4263 | 4264 | rBV3 | 1420    | 745     | 0.00%  | 0.002%  |
| 96 | 14.964 | 4310 | 4315 | 4316 | rBV5 | 2853    | 2373    | 0.01%  | 0.006%  |
| 97 | 15.132 | 4364 | 4367 | 4371 | rBV5 | 1943    | 1239    | 0.01%  | 0.003%  |
| 98 | 15.386 | 4443 | 4446 | 4449 | rVB4 | 2440    | 1620    | 0.01%  | 0.004%  |
| 99 | 15.463 | 4468 | 4470 | 4472 | rBV3 | 1299    | 758     | 0.00%  | 0.002%  |

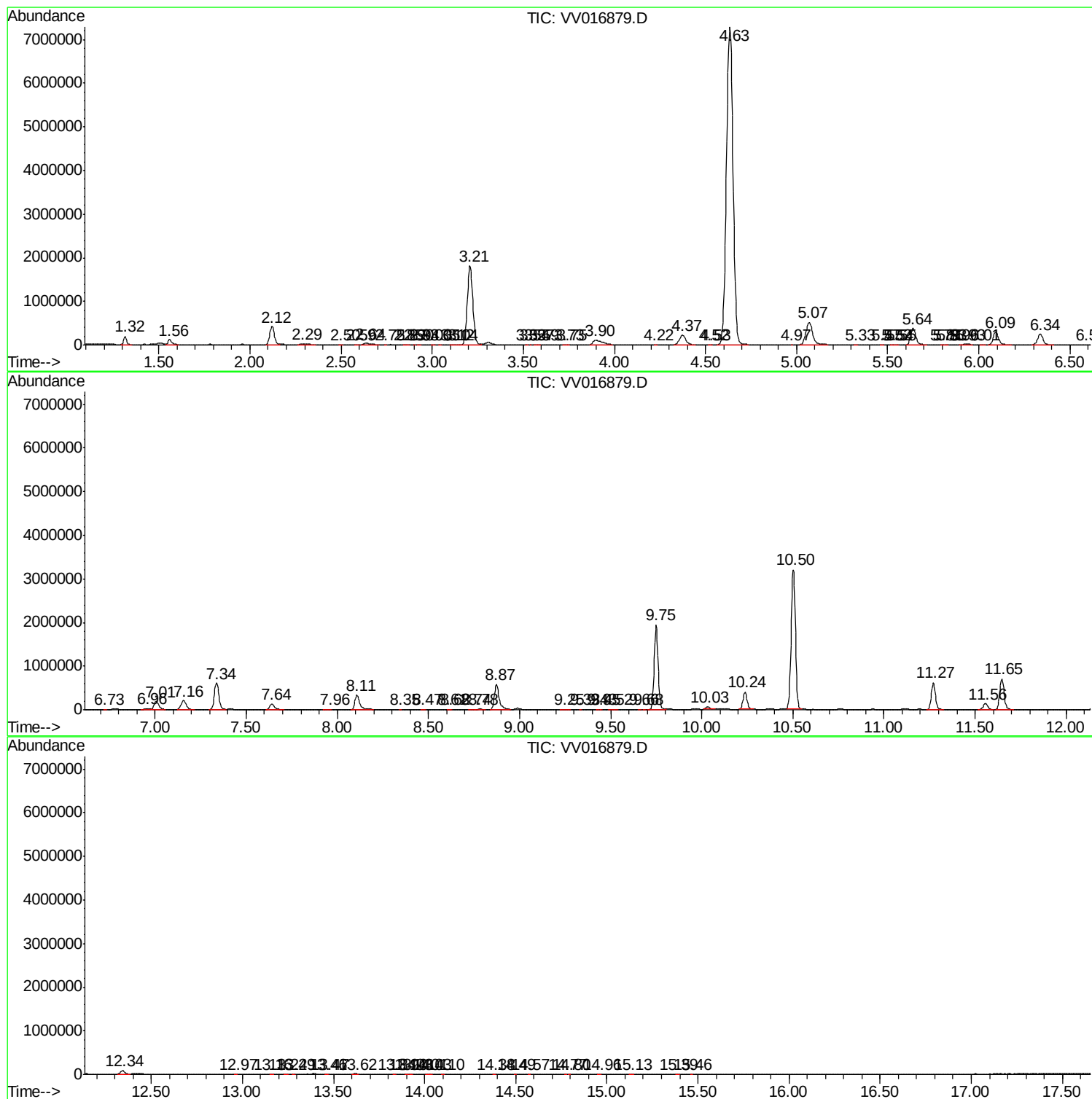
Sum of corrected areas: 42497522

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

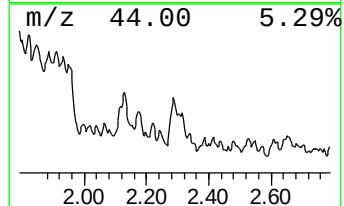
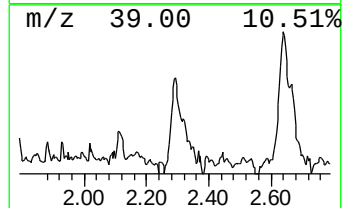
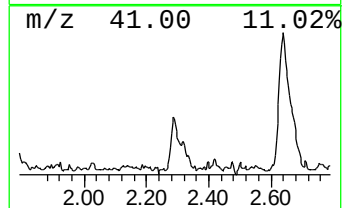
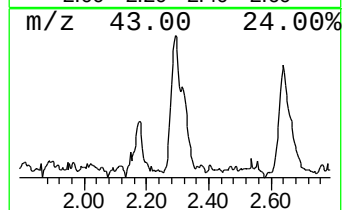
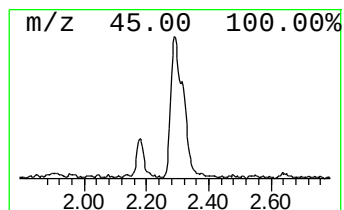
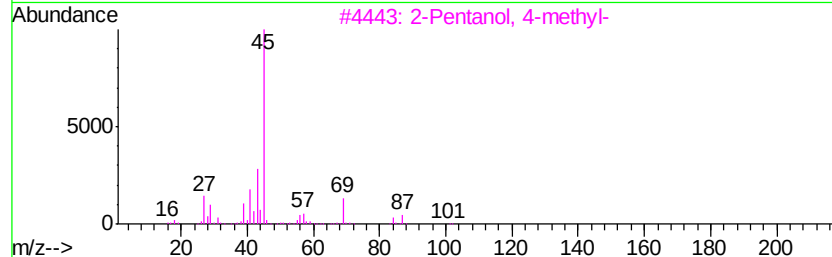
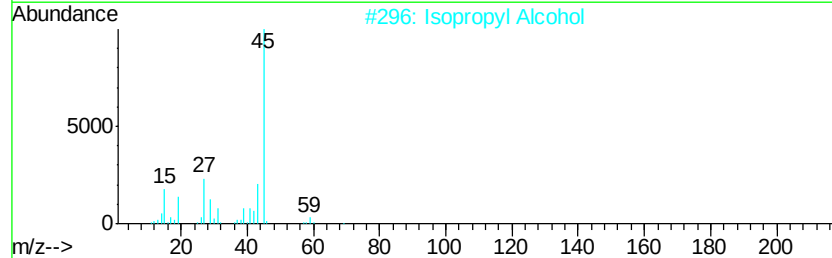
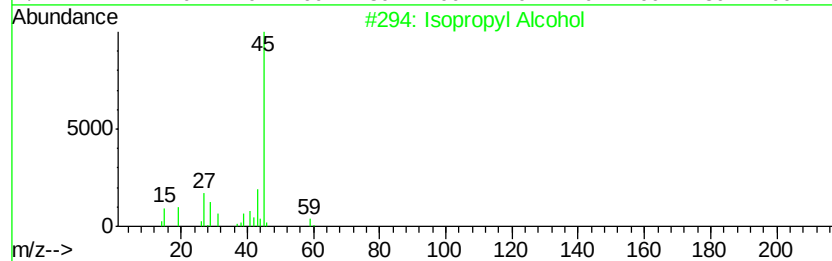
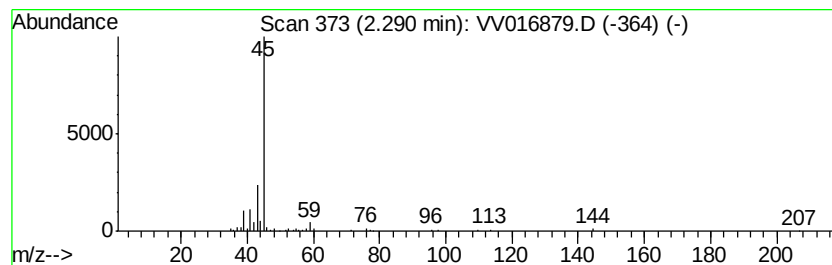
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Isopropyl Alcohol Concentration Rank 9

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.29 | 4.63 ug/L | 69411 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol     | 60  | C3H8O   | 000067-63-0 | 64   |
| 2    |    |   | Isopropyl Alcohol     | 60  | C3H8O   | 000067-63-0 | 50   |
| 3    |    |   | 2-Pentanol, 4-methyl- | 102 | C6H14O  | 000108-11-2 | 50   |
| 4    |    |   | 2-Propanol, 1-chloro- | 94  | C3H7ClO | 000127-00-4 | 50   |
| 5    |    |   | Hydrazine, ethyl-     | 60  | C2H8N2  | 000624-80-6 | 40   |



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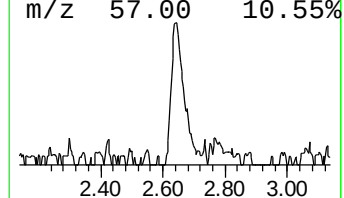
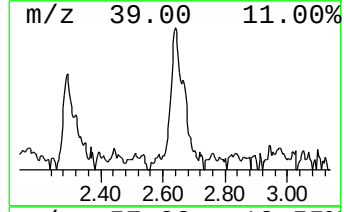
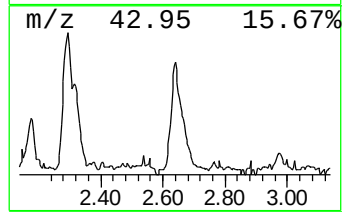
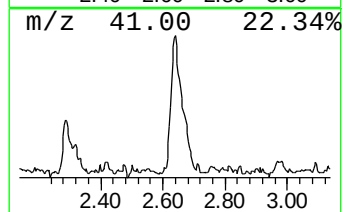
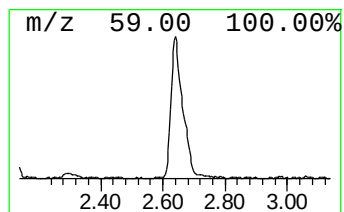
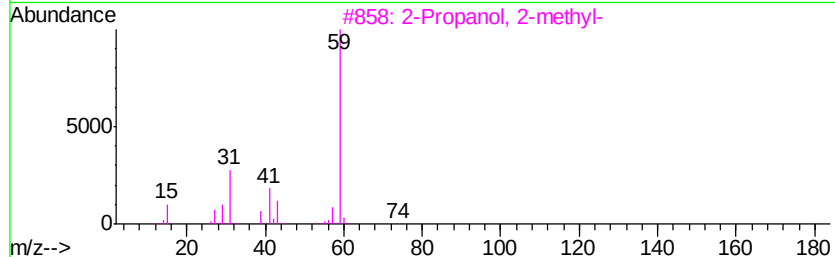
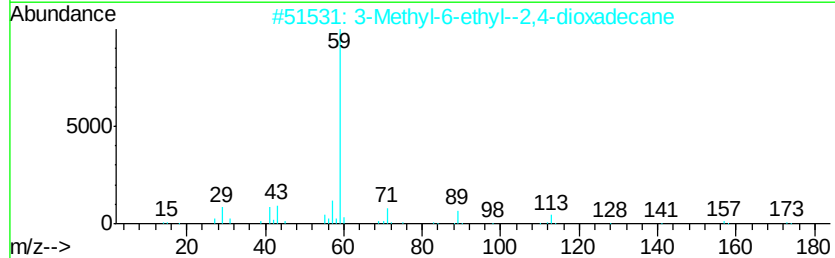
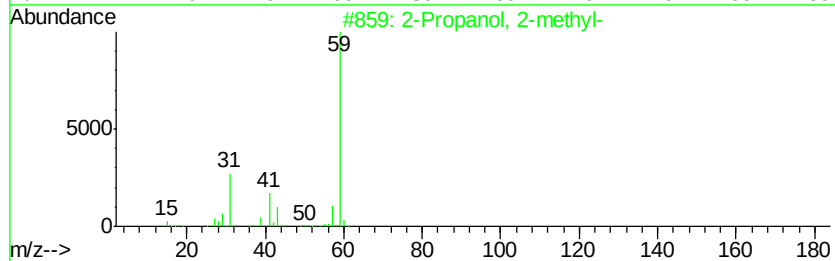
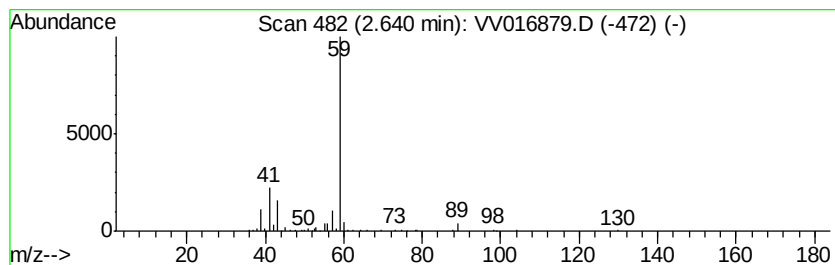
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 2-Propanol, 2-methyl- Concentration Rank 8

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.64 | 6.14 ug/L | 92110 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|-----------------------------------|-----|----------|--------------|------|
| 1    | 5  | 2-Propanol, 2-methyl-             | 74  | C4H10O   | 000075-65-0  | 64   |
| 2    |    | 3-Methyl-6-ethyl--2,4-dioxadecane | 188 | C11H24O2 | 1000334-83-2 | 56   |
| 3    |    | 2-Propanol, 2-methyl-             | 74  | C4H10O   | 000075-65-0  | 56   |
| 4    |    | 2-Butanol, 3-methoxy-             | 104 | C5H12O2  | 053778-72-6  | 56   |
| 5    |    | Propane, 1-ethoxy-2-methyl-       | 102 | C6H14O   | 000627-02-1  | 56   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
Data File : VV016879.D  
Acq On : 12 Jun 2020 15:13  
Operator : SY/MD  
Sample : L2947-02  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXE1

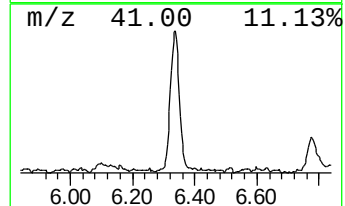
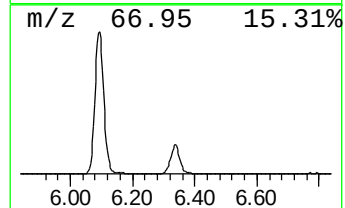
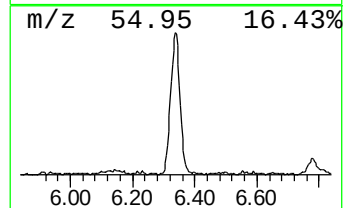
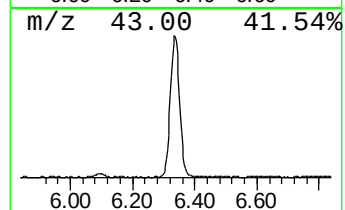
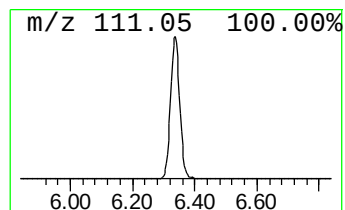
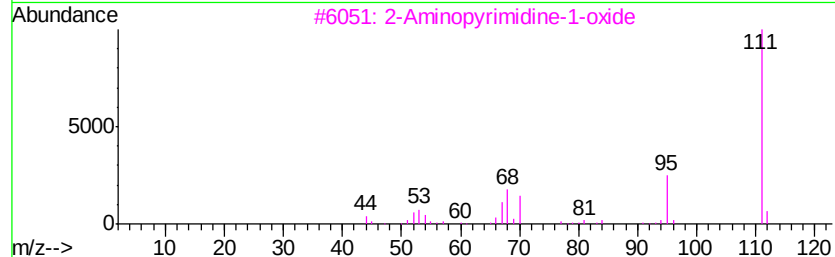
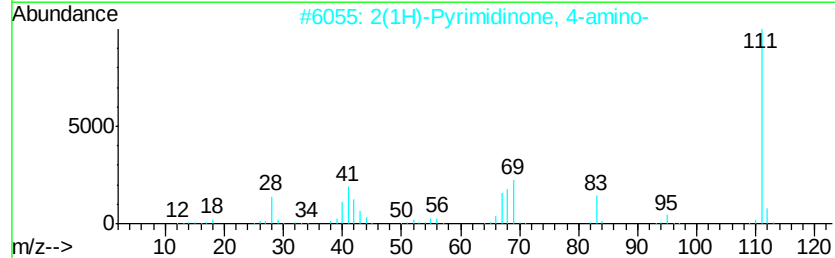
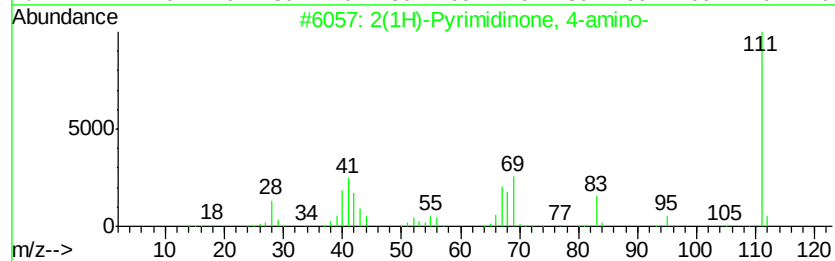
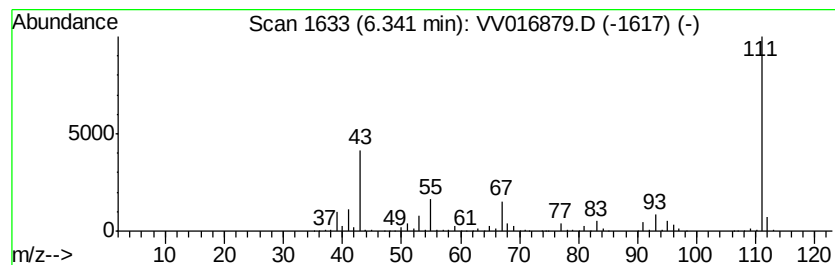
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 2(1H)-Pyrimidinone, 4-amino- Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 6.34 | 34.30 ug/L | 514150 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#        | Qual |
|------|----|------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 2(1H)-Pyrimidinone, 4-amino- | 111 | C4H5N3O   | 000071-30-7 | 64   |
| 2    |    | 2(1H)-Pyrimidinone, 4-amino- | 111 | C4H5N3O   | 000071-30-7 | 64   |
| 3    |    | 2-Aminopyrimidine-1-oxide    | 111 | C4H5N3O   | 035034-15-2 | 50   |
| 4    |    | 2(1H)-Pyridinone, 5-hydroxy- | 111 | C5H5NO2   | 005154-01-8 | 38   |
| 5    |    | Bruceantin                   | 548 | C28H36O11 | 041451-75-6 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
Data File : VV016879.D  
Acq On : 12 Jun 2020 15:13  
Operator : SY/MD  
Sample : L2947-02  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXE1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

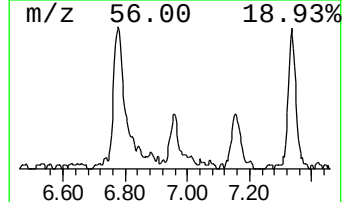
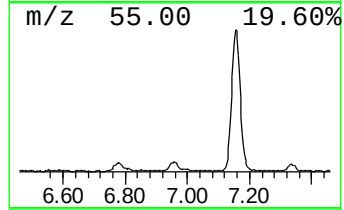
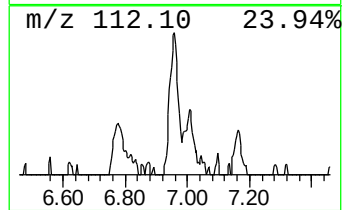
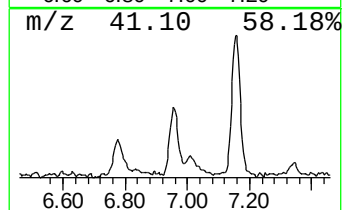
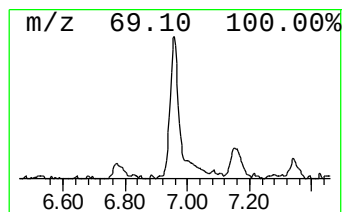
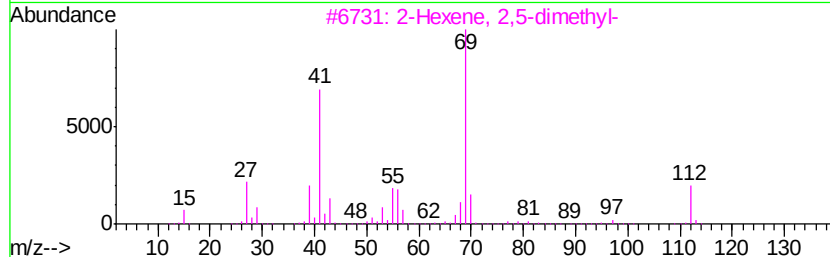
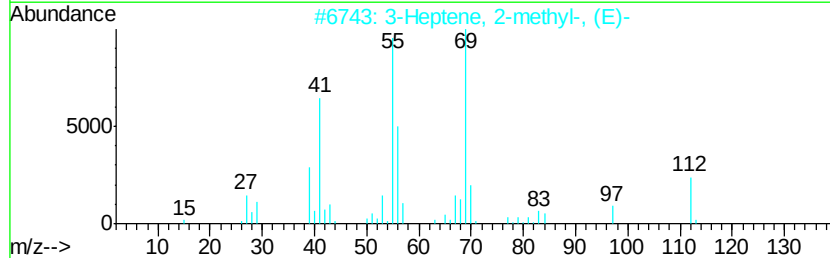
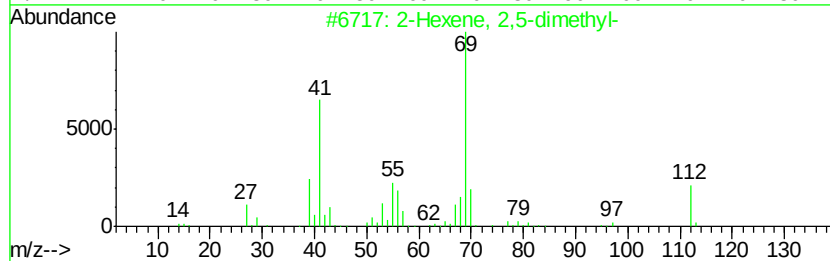
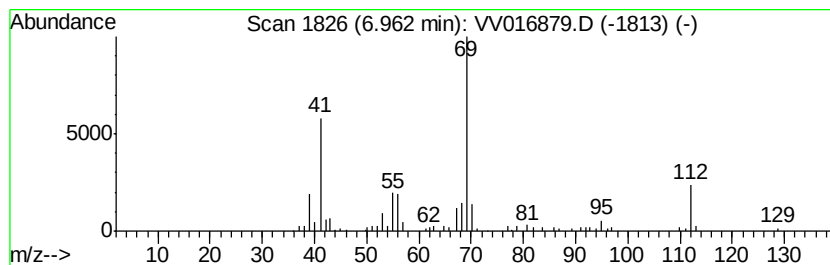
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 6.96 | 3.44 ug/L | 51569 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of                            | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | 2-Hexene, 2,5-dimethyl-       |   |              | 112 | C8H16   | 003404-78-2 | 86   |
| 2    | 3-Heptene, 2-methyl-, (E)-    |   |              | 112 | C8H16   | 000692-96-6 | 80   |
| 3    | 2-Hexene, 2,5-dimethyl-       |   |              | 112 | C8H16   | 003404-78-2 | 78   |
| 4    | 3-Hexene, 2,5-dimethyl-, (E)- |   |              | 112 | C8H16   | 000692-70-6 | 78   |
| 5    | 2-Hexene, 2,5-dimethyl-       |   |              | 112 | C8H16   | 003404-78-2 | 78   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
Data File : VV016879.D  
Acq On : 12 Jun 2020 15:13  
Operator : SY/MD  
Sample : L2947-02  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXE1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

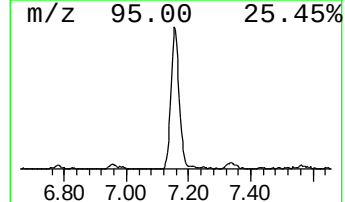
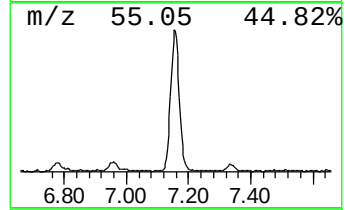
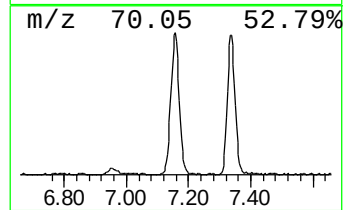
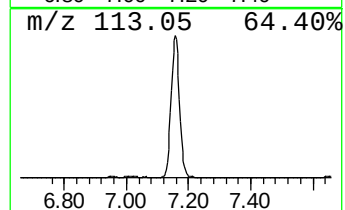
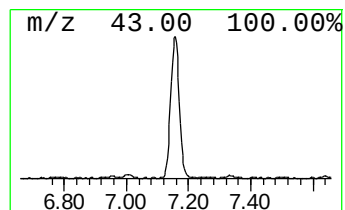
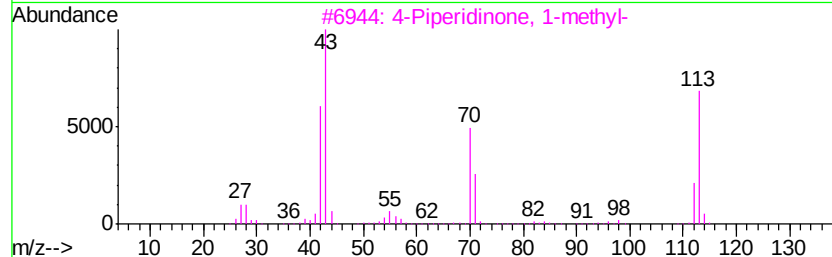
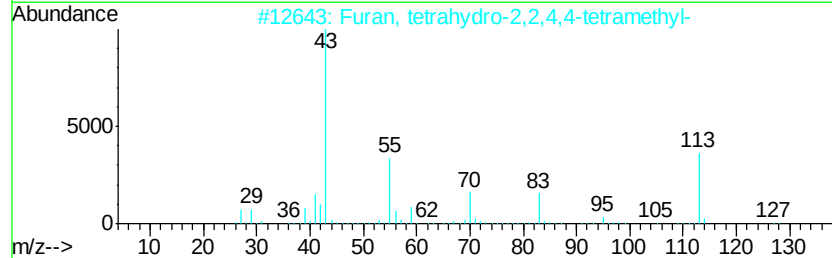
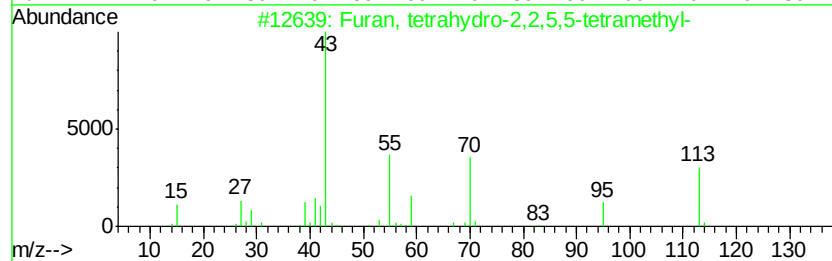
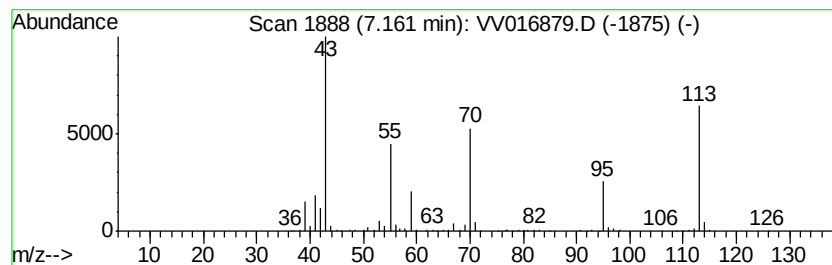
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 4

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 7.16 | 26.28 ug/L | 393940 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O  | 015045-43-9 | 83   |
| 2    |    | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O  | 003358-28-9 | 53   |
| 3    |    | 4-Piperidinone, 1-methyl-           | 113 | C6H11NO | 001445-73-4 | 46   |
| 4    |    | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O  | 003358-28-9 | 42   |
| 5    |    | 4-Piperidinone, 1-methyl-           | 113 | C6H11NO | 001445-73-4 | 40   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
Data File : VV016879.D  
Acq On : 12 Jun 2020 15:13  
Operator : SY/MD  
Sample : L2947-02  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXE1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

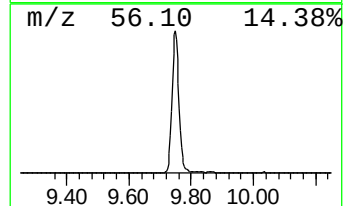
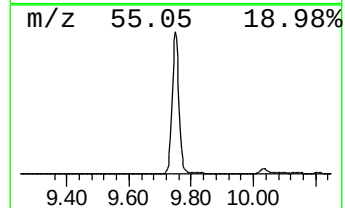
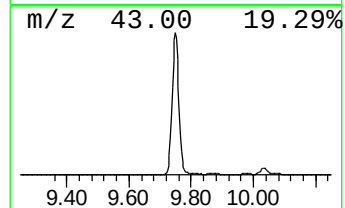
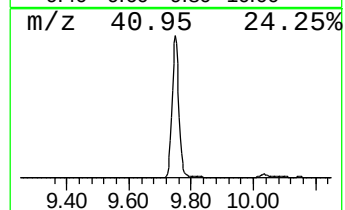
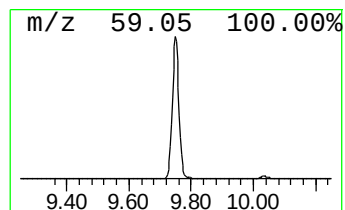
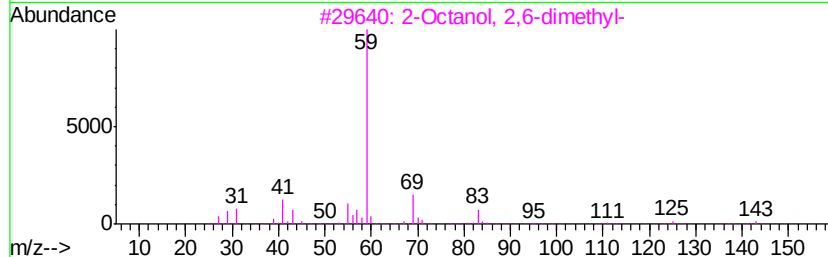
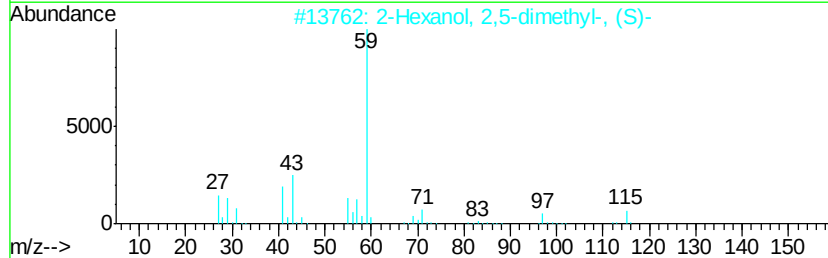
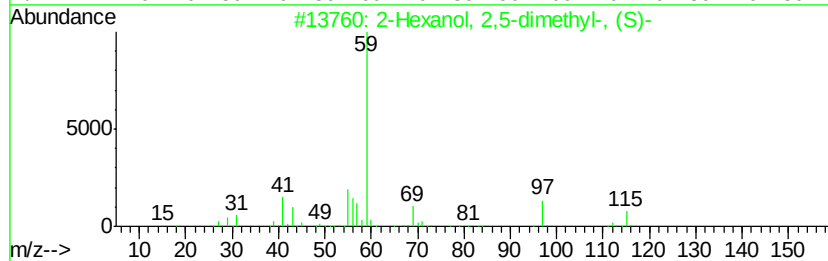
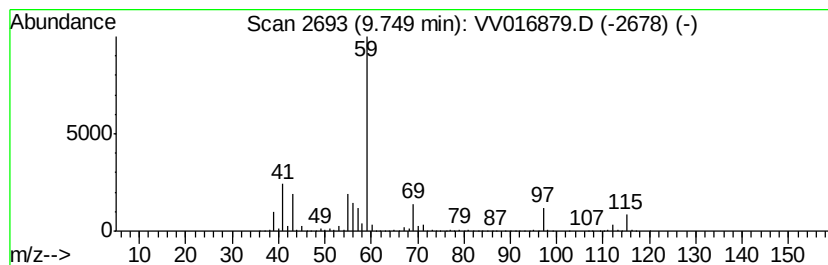
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 2

| R.T. | EstConc     | Area    | Relative to ISTD | R.T. |
|------|-------------|---------|------------------|------|
| 9.75 | 140.80 ug/L | 2948810 | Chlorobenzene-d5 | 8.87 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Hexanol, 2,5-dimethyl-, (S)-     | 130 | C8H18O  | 003730-60-7 | 90   |
| 2    |    | 2-Hexanol, 2,5-dimethyl-, (S)-     | 130 | C8H18O  | 003730-60-7 | 78   |
| 3    |    | 2-Octanol, 2,6-dimethyl-           | 158 | C10H22O | 018479-57-7 | 64   |
| 4    |    | 2-Hydroxy-2,4-dimethyl-3-pentanone | 130 | C7H14O2 | 003212-67-7 | 59   |
| 5    |    | 2-Propanol, 2-methyl-              | 74  | C4H10O  | 000075-65-0 | 42   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
Data File : VV016879.D  
Acq On : 12 Jun 2020 15:13  
Operator : SY/MD  
Sample : L2947-02  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXE1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

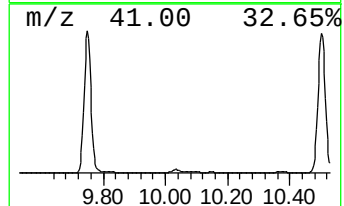
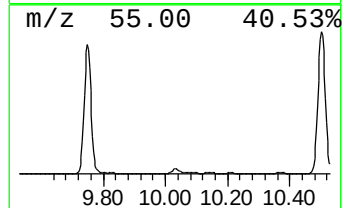
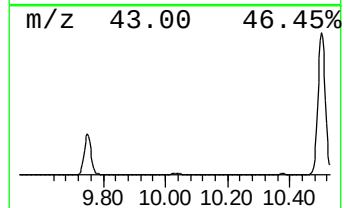
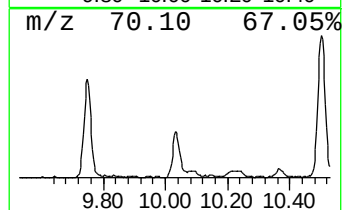
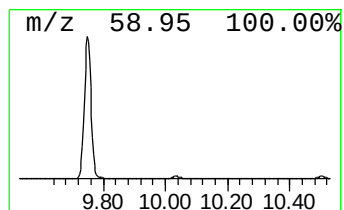
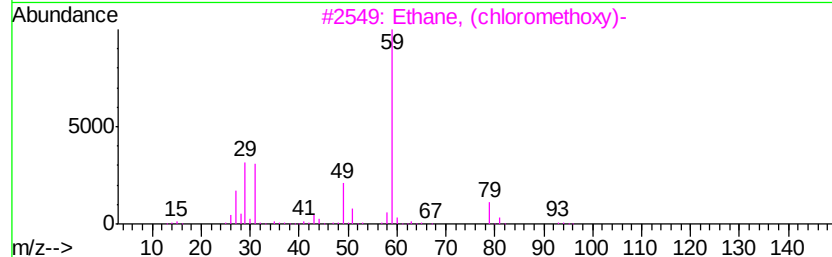
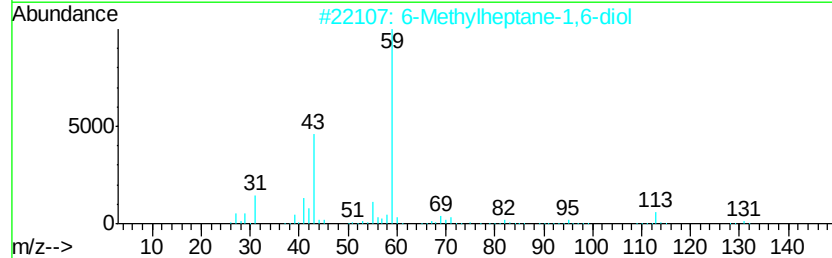
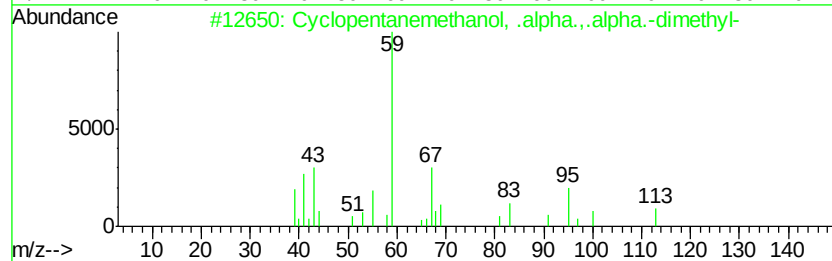
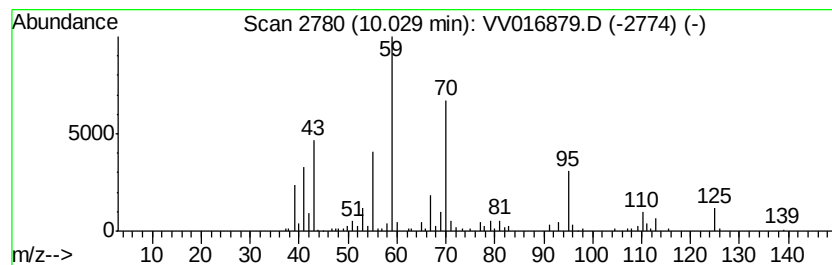
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 unknown-01 Concentration Rank 10

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T. |
|-------|-----------|-------|------------------|------|
| 10.03 | 4.24 ug/L | 88850 | Chlorobenzene-d5 | 8.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Cyclopentanemethanol, .alpha.,.a... | 128 | C8H16O     | 001462-06-2 | 40   |
| 2    |    | 6-Methylheptane-1,6-diol            | 146 | C8H18O2    | 005392-57-4 | 38   |
| 3    |    | Ethane, (chloromethoxy)-            | 94  | C3H7ClO    | 003188-13-4 | 35   |
| 4    |    | 2-Hydroxy-2,4-dimethyl-3-pentanone  | 130 | C7H14O2    | 003212-67-7 | 32   |
| 5    |    | 2-(3,4-Dibromo-4-methylcyclohexy... | 312 | C10H18Br2O | 110202-13-6 | 25   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
Data File : VV016879.D  
Acq On : 12 Jun 2020 15:13  
Operator : SY/MD  
Sample : L2947-02  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampled :  
BFXE1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

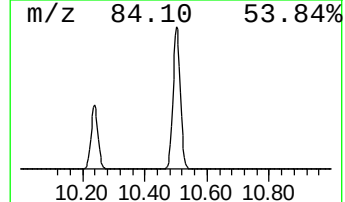
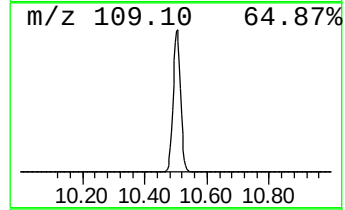
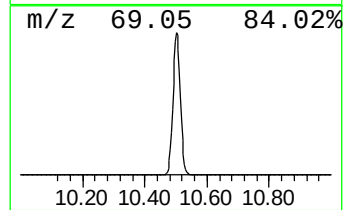
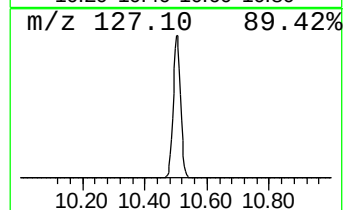
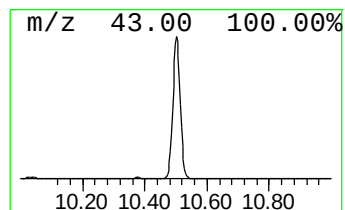
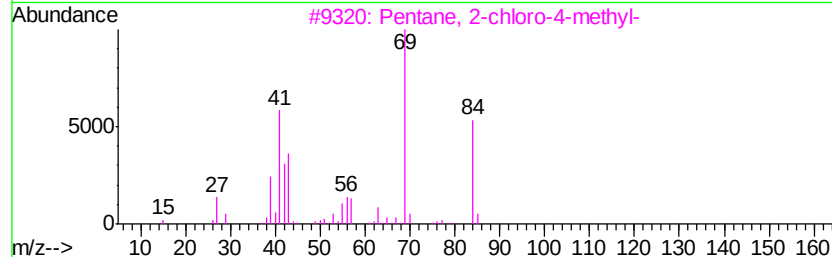
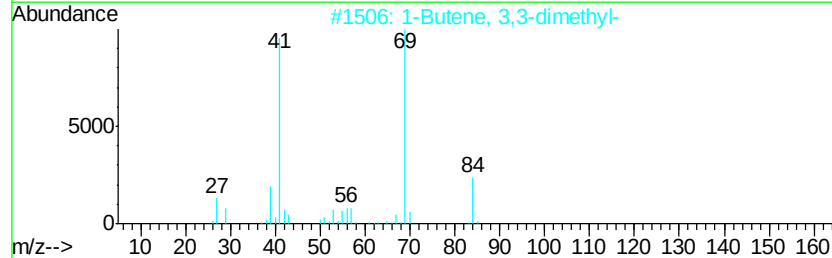
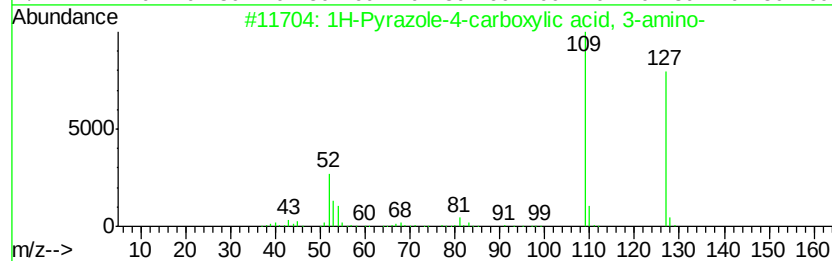
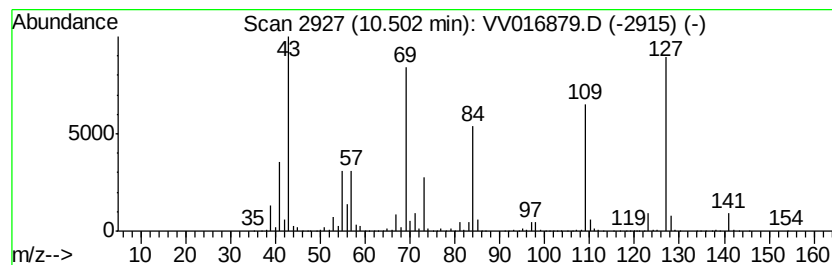
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 unknown-02 Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 10.50 | 270.42 ug/L | 5261360 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 1H-Pyrazole-4-carboxylic acid, 3... | 127 | C4H5N3O2 | 041680-34-6 | 35   |
| 2       |   | 1-Butene, 3,3-dimethyl-             | 84  | C6H12    | 000558-37-2 | 30   |
| 3       |   | Pentane, 2-chloro-4-methyl-         | 120 | C6H13Cl  | 025346-32-1 | 27   |
| 4       |   | 2-Pentene, 4-methyl-, (Z)-          | 84  | C6H12    | 000691-38-3 | 27   |
| 5       |   | Pentane, 3-methylene-               | 84  | C6H12    | 000760-21-4 | 27   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
Data File : VV016879.D  
Acq On : 12 Jun 2020 15:13  
Operator : SY/MD  
Sample : L2947-02  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXE1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

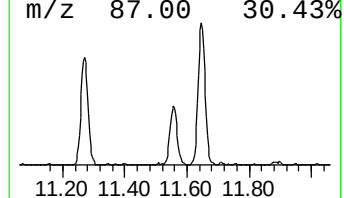
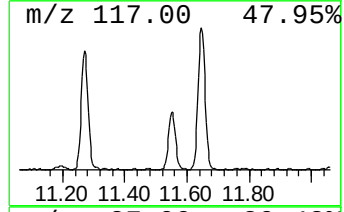
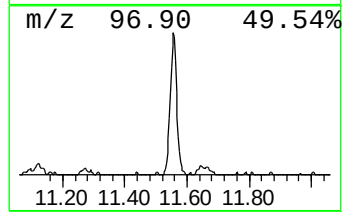
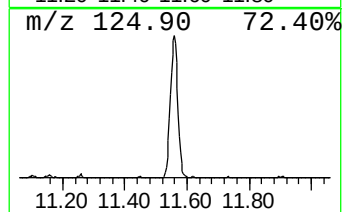
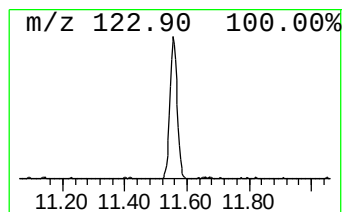
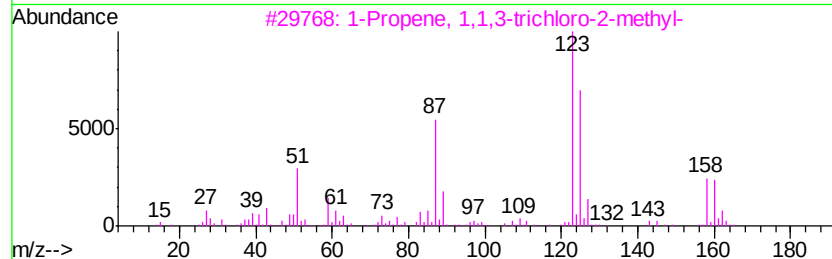
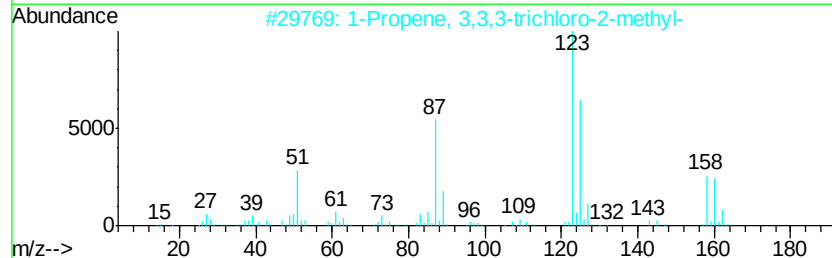
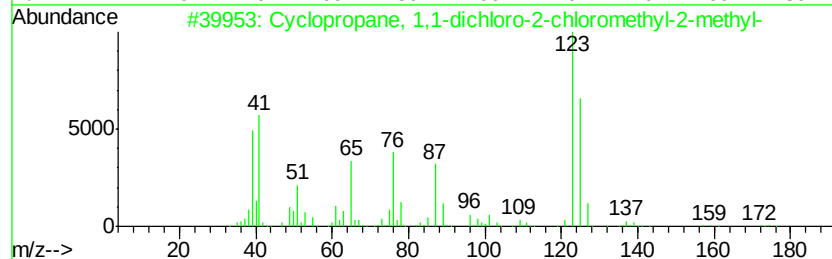
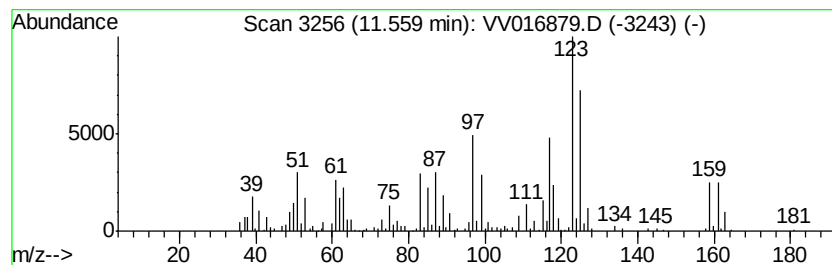
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown-03 Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 11.56 | 12.10 ug/L | 235394 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclopropane, 1,1-dichloro-2-chl... | 172 | C5H7Cl3   | 015997-19-0  | 16   |
| 2    |    | 1-Propene, 3,3,3-trichloro-2-met... | 158 | C4H5Cl3   | 004749-27-3  | 12   |
| 3    |    | 1-Propene, 1,1,3-trichloro-2-met... | 158 | C4H5Cl3   | 031702-33-7  | 12   |
| 4    |    | 2,2-Dichloroethyl ethyl carbonate   | 186 | C5H8Cl2O3 | 1000373-78-3 | 12   |
| 5    |    | Methyl 3,3-dichloropropenoate       | 154 | C4H4Cl2O2 | 002257-46-7  | 12   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
Data File : VV016879.D  
Acq On : 12 Jun 2020 15:13  
Operator : SY/MD  
Sample : L2947-02  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 9 Sample Multiplier: 1

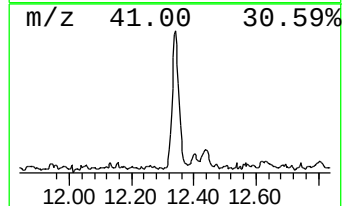
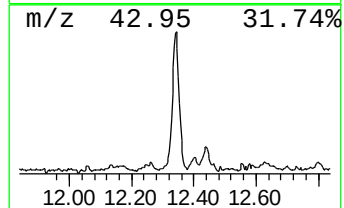
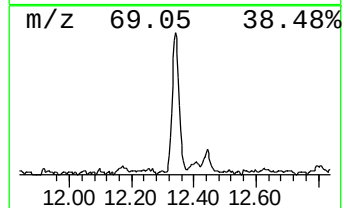
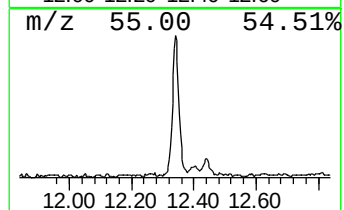
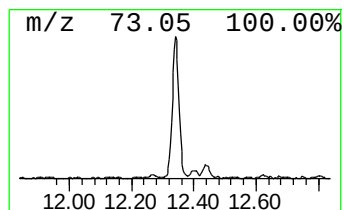
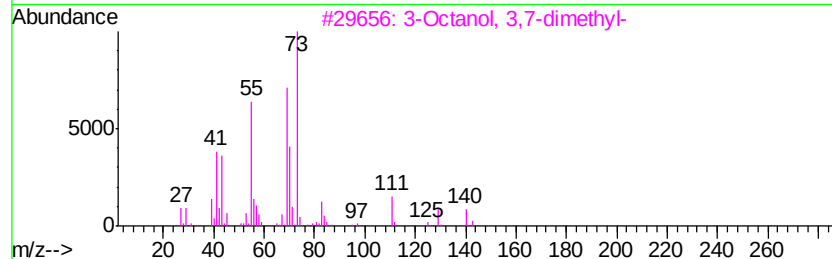
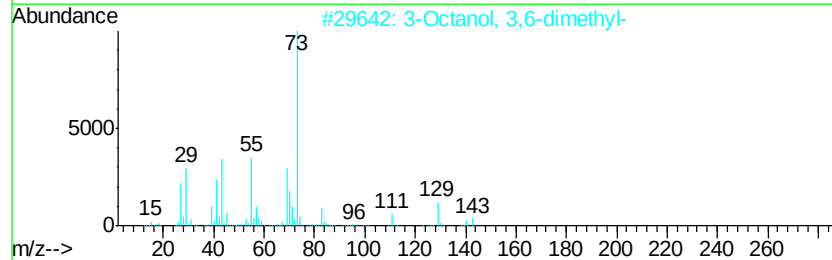
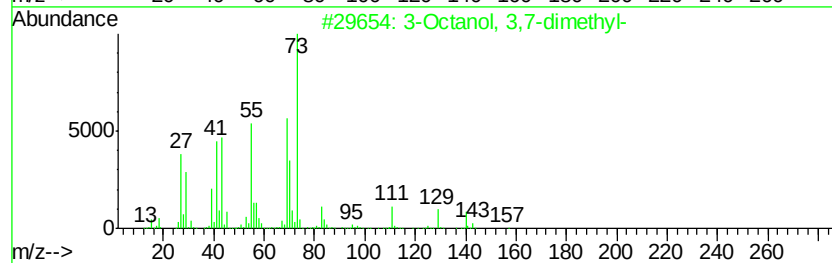
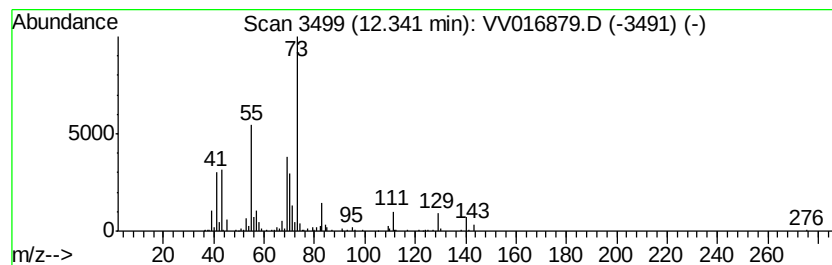
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFXE1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 11 3-Octanol, 3,7-dimethyl- Concentration Rank 7

| R.T.      | EstConc                        | Area   | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------|--------|------------------------|-------------|------|
| 12.34     | 6.72 ug/L                      | 130702 | 1,4-Dichlorobenzene-d4 | 11.27       |      |
| Hit# of 5 | Tentative ID                   | MW     | MolForm                | CAS#        | Qual |
| 1         | 3-Octanol, 3,7-dimethyl-       | 158    | C10H22O                | 000078-69-3 | 78   |
| 2         | 3-Octanol, 3,6-dimethyl-       | 158    | C10H22O                | 000151-19-9 | 64   |
| 3         | 3-Octanol, 3,7-dimethyl-       | 158    | C10H22O                | 000078-69-3 | 53   |
| 4         | 3-Octanol, 3,7-dimethyl-       | 158    | C10H22O                | 000078-69-3 | 43   |
| 5         | 3-Dodecanol, 3,7,11-trimethyl- | 228    | C15H32O                | 007278-65-1 | 43   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV061220\  
 Data File : VV016879.D  
 Acq On : 12 Jun 2020 15:13  
 Operator : SY/MD  
 Sample : L2947-02  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXE1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Isopropyl Alcohol    | 2.29  | 4.6     | ug/L  | 69411    | 1                     | 5.64  | 749576  | 50.0 |
| 2-Propanol, 2-met... | 2.64  | 6.1     | ug/L  | 92110    | 1                     | 5.64  | 749576  | 50.0 |
| 2(1H)-Pyrimidinon... | 6.34  | 34.3    | ug/L  | 514150   | 1                     | 5.64  | 749576  | 50.0 |
| (DEL) Alkane: Str... | 6.96  | 3.4     | ug/L  | 51569    | 1                     | 5.64  | 749576  | 50.0 |
| Furan, tetrahydro... | 7.16  | 26.3    | ug/L  | 393940   | 1                     | 5.64  | 749576  | 50.0 |
| 2-Hexanol, 2,5-di... | 9.75  | 140.8   | ug/L  | 2948810  | 2                     | 8.87  | 1047140 | 50.0 |
| unknown-01           | 10.03 | 4.2     | ug/L  | 88850    | 2                     | 8.87  | 1047140 | 50.0 |
| unknown-02           | 10.50 | 270.4   | ug/L  | 5261360  | 3                     | 11.27 | 972813  | 50.0 |
| unknown-03           | 11.56 | 12.1    | ug/L  | 235394   | 3                     | 11.27 | 972813  | 50.0 |
| 3-Octanol, 3,7-di... | 12.34 | 6.7     | ug/L  | 130702   | 3                     | 11.27 | 972813  | 50.0 |