

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082318\  
 Data File : VW004930.D  
 Acq On : 24 Aug 2018 11:44  
 Operator : SY/AP  
 Sample : J4628-02  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB3E8

## 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\_W\METHOD\SOM2WLM082218S.M  
 Title : VOC Analysis

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.801       | 20            | 35          | 58           | rBV      | 3320007        | 6177893       | 100.00%         | 9.552%        |
| 2         | 2.166       | 90            | 95          | 99           | rBV      | 40708          | 55701         | 0.90%           | 0.086%        |
| 3         | 2.221       | 99            | 104         | 115          | rVV      | 372194         | 569298        | 9.22%           | 0.880%        |
| 4         | 2.355       | 121           | 126         | 139          | rVB      | 292317         | 485713        | 7.86%           | 0.751%        |
| 5         | 2.788       | 190           | 197         | 205          | rBV      | 149499         | 279765        | 4.53%           | 0.433%        |
| 6         | 2.892       | 208           | 214         | 227          | rVB      | 226752         | 448075        | 7.25%           | 0.693%        |
| 7         | 3.270       | 267           | 276         | 288          | rVB      | 225399         | 522072        | 8.45%           | 0.807%        |
| 8         | 3.386       | 293           | 295         | 297          | rBV2     | 1192           | 1444          | 0.02%           | 0.002%        |
| 9         | 3.605       | 325           | 331         | 336          | rBV9     | 1705           | 3984          | 0.06%           | 0.006%        |
| 10        | 3.703       | 343           | 347         | 350          | rBV4     | 1057           | 1598          | 0.03%           | 0.002%        |
| 11        | 3.843       | 361           | 370         | 383          | rBV3     | 25159          | 75107         | 1.22%           | 0.116%        |
| 12        | 4.038       | 389           | 402         | 413          | rBV3     | 503455         | 1654250       | 26.78%          | 2.558%        |
| 13        | 4.154       | 413           | 421         | 438          | rVB      | 38233          | 130899        | 2.12%           | 0.202%        |
| 14        | 4.690       | 498           | 509         | 523          | rBV      | 83994          | 261874        | 4.24%           | 0.405%        |
| 15        | 4.928       | 535           | 548         | 566          | rBV      | 186158         | 599596        | 9.71%           | 0.927%        |
| 16        | 5.135       | 576           | 582         | 583          | rBV3     | 982            | 1571          | 0.03%           | 0.002%        |
| 17        | 5.440       | 617           | 632         | 650          | rBV2     | 523045         | 1760348       | 28.49%          | 2.722%        |
| 18        | 5.952       | 702           | 716         | 727          | rBV3     | 8090           | 25167         | 0.41%           | 0.039%        |
| 19        | 6.513       | 802           | 808         | 810          | rBV4     | 638            | 1263          | 0.02%           | 0.002%        |
| 20        | 6.982       | 882           | 885         | 887          | rBV2     | 1012           | 1291          | 0.02%           | 0.002%        |
| 21        | 7.092       | 894           | 903         | 909          | rBV      | 65895          | 190102        | 3.08%           | 0.294%        |
| 22        | 7.178       | 909           | 917         | 930          | rVB      | 384940         | 1052903       | 17.04%          | 1.628%        |
| 23        | 7.367       | 946           | 948         | 953          | rVB5     | 889            | 1474          | 0.02%           | 0.002%        |
| 24        | 7.525       | 964           | 974         | 984          | rBV      | 186554         | 464588        | 7.52%           | 0.718%        |
| 25        | 7.659       | 986           | 996         | 1012         | rVB      | 345782         | 863794        | 13.98%          | 1.336%        |
| 26        | 7.879       | 1020          | 1032        | 1038         | rBV      | 183833         | 466899        | 7.56%           | 0.722%        |
| 27        | 7.964       | 1038          | 1046        | 1056         | rVV      | 503592         | 1251780       | 20.26%          | 1.935%        |
| 28        | 8.074       | 1056          | 1064        | 1076         | rVB      | 213652         | 521909        | 8.45%           | 0.807%        |
| 29        | 8.287       | 1085          | 1099        | 1112         | rBV2     | 866532         | 2494684       | 40.38%          | 3.857%        |
| 30        | 8.409       | 1112          | 1119        | 1128         | rVB      | 117867         | 253420        | 4.10%           | 0.392%        |
| 31        | 8.671       | 1160          | 1162        | 1163         | rVV      | 2985           | 2824          | 0.05%           | 0.004%        |
| 32        | 8.690       | 1163          | 1165        | 1168         | rVV4     | 3335           | 3824          | 0.06%           | 0.006%        |
| 33        | 8.848       | 1183          | 1191        | 1211         | rBV      | 808810         | 1638067       | 26.51%          | 2.533%        |
| 34        | 9.098       | 1221          | 1232        | 1248         | rBV      | 1177045        | 2347135       | 37.99%          | 3.629%        |

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 ClientSampleId :  
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## 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\_W\METHOD\SOM2WLM082218S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.281  | 1252 | 1262 | 1267 | rBV  | 531368  | 1089565 | 17.64% | 1.685% |
| 36 | 9.342  | 1267 | 1272 | 1288 | rVB2 | 1213760 | 2959035 | 47.90% | 4.575% |
| 37 | 9.488  | 1288 | 1296 | 1308 | rVB2 | 41944   | 125480  | 2.03%  | 0.194% |
| 38 | 9.653  | 1314 | 1323 | 1329 | rBV  | 340495  | 664505  | 10.76% | 1.027% |
| 39 | 9.897  | 1362 | 1363 | 1369 | rVB5 | 1341    | 1819    | 0.03%  | 0.003% |
| 40 | 10.043 | 1376 | 1387 | 1389 | rBV  | 288938  | 503395  | 8.15%  | 0.778% |
| 41 | 10.079 | 1389 | 1393 | 1401 | rVV  | 409443  | 750770  | 12.15% | 1.161% |
| 42 | 10.153 | 1401 | 1405 | 1416 | rVV3 | 7573    | 18075   | 0.29%  | 0.028% |
| 43 | 10.329 | 1426 | 1434 | 1439 | rBV  | 1457931 | 2538638 | 41.09% | 3.925% |
| 44 | 10.397 | 1439 | 1445 | 1468 | rVB  | 1443746 | 2646155 | 42.83% | 4.091% |
| 45 | 10.592 | 1468 | 1477 | 1489 | rBV3 | 283866  | 808768  | 13.09% | 1.250% |
| 46 | 10.720 | 1491 | 1498 | 1514 | rVB  | 75382   | 342262  | 5.54%  | 0.529% |
| 47 | 10.866 | 1514 | 1522 | 1528 | rBV  | 1741482 | 3038782 | 49.19% | 4.698% |
| 48 | 10.933 | 1528 | 1533 | 1536 | rVV  | 316910  | 494083  | 8.00%  | 0.764% |
| 49 | 10.976 | 1536 | 1540 | 1546 | rVB  | 311939  | 494329  | 8.00%  | 0.764% |
| 50 | 11.067 | 1552 | 1555 | 1560 | rVB  | 26197   | 37136   | 0.60%  | 0.057% |
| 51 | 11.134 | 1560 | 1566 | 1579 | rVB  | 327170  | 564726  | 9.14%  | 0.873% |
| 52 | 11.281 | 1587 | 1590 | 1595 | rVB7 | 1284    | 2068    | 0.03%  | 0.003% |
| 53 | 11.348 | 1599 | 1601 | 1605 | rVB5 | 1107    | 1430    | 0.02%  | 0.002% |
| 54 | 11.415 | 1605 | 1612 | 1613 | rBV5 | 2570    | 4581    | 0.07%  | 0.007% |
| 55 | 11.445 | 1613 | 1617 | 1625 | rVB3 | 15558   | 24469   | 0.40%  | 0.038% |
| 56 | 11.549 | 1632 | 1634 | 1638 | rVB4 | 1848    | 2364    | 0.04%  | 0.004% |
| 57 | 11.640 | 1640 | 1649 | 1658 | rBV  | 1258224 | 2163248 | 35.02% | 3.345% |
| 58 | 11.738 | 1658 | 1665 | 1676 | rVV  | 1290354 | 2076114 | 33.61% | 3.210% |
| 59 | 11.854 | 1676 | 1684 | 1698 | rVV  | 858643  | 1376795 | 22.29% | 2.129% |
| 60 | 12.171 | 1729 | 1736 | 1749 | rBV  | 979175  | 1626634 | 26.33% | 2.515% |
| 61 | 12.347 | 1761 | 1765 | 1769 | rBV6 | 1571    | 3069    | 0.05%  | 0.005% |
| 62 | 12.402 | 1772 | 1774 | 1775 | rVV2 | 1378    | 1250    | 0.02%  | 0.002% |
| 63 | 12.469 | 1778 | 1785 | 1799 | rVV  | 1105555 | 1807735 | 29.26% | 2.795% |
| 64 | 12.622 | 1803 | 1810 | 1816 | rBV  | 91877   | 162732  | 2.63%  | 0.252% |
| 65 | 12.701 | 1816 | 1823 | 1827 | rBV  | 479540  | 805596  | 13.04% | 1.246% |
| 66 | 12.756 | 1827 | 1832 | 1843 | rVB  | 1205854 | 2012382 | 32.57% | 3.111% |
| 67 | 12.878 | 1850 | 1852 | 1855 | rVB3 | 1497    | 1278    | 0.02%  | 0.002% |
| 68 | 12.939 | 1859 | 1862 | 1869 | rVB3 | 5846    | 8519    | 0.14%  | 0.013% |
| 69 | 13.012 | 1870 | 1874 | 1880 | rVB5 | 3102    | 5450    | 0.09%  | 0.008% |
| 70 | 13.097 | 1883 | 1888 | 1890 | rBV5 | 1170    | 1736    | 0.03%  | 0.003% |
| 71 | 13.286 | 1917 | 1919 | 1921 | rVB3 | 1641    | 1185    | 0.02%  | 0.002% |

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 ClientSampleId :  
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## 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\_W\METHOD\SOM2WLM082218S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 13.420 | 1935 | 1941 | 1946 | rVB9 | 1653    | 4053    | 0.07%  | 0.006% |
| 73  | 13.506 | 1946 | 1955 | 1960 | rBV  | 1310097 | 2111787 | 34.18% | 3.265% |
| 74  | 13.567 | 1960 | 1965 | 1974 | rVV  | 1460660 | 2333106 | 37.77% | 3.607% |
| 75  | 13.658 | 1976 | 1980 | 1987 | rVB7 | 6432    | 13837   | 0.22%  | 0.021% |
| 76  | 13.786 | 1994 | 2001 | 2002 | rBV7 | 1406    | 2662    | 0.04%  | 0.004% |
| 77  | 13.865 | 2006 | 2014 | 2028 | rVV2 | 1634773 | 3275936 | 53.03% | 5.065% |
| 78  | 14.036 | 2035 | 2042 | 2043 | rBV5 | 2777    | 3692    | 0.06%  | 0.006% |
| 79  | 14.085 | 2043 | 2050 | 2057 | rVB2 | 43431   | 77312   | 1.25%  | 0.120% |
| 80  | 14.201 | 2059 | 2069 | 2079 | rBV7 | 13461   | 51290   | 0.83%  | 0.079% |
| 81  | 14.341 | 2087 | 2092 | 2096 | rBV5 | 6319    | 10177   | 0.16%  | 0.016% |
| 82  | 14.493 | 2111 | 2117 | 2123 | rBV  | 141715  | 239246  | 3.87%  | 0.370% |
| 83  | 14.536 | 2123 | 2124 | 2127 | rVB3 | 1468    | 1361    | 0.02%  | 0.002% |
| 84  | 14.640 | 2133 | 2141 | 2150 | rBV  | 1699586 | 2678189 | 43.35% | 4.141% |
| 85  | 14.737 | 2154 | 2157 | 2162 | rVB6 | 3013    | 4149    | 0.07%  | 0.006% |
| 86  | 14.823 | 2169 | 2171 | 2174 | rVB4 | 1443    | 1442    | 0.02%  | 0.002% |
| 87  | 15.115 | 2216 | 2219 | 2220 | rBV3 | 1415    | 1491    | 0.02%  | 0.002% |
| 88  | 15.146 | 2220 | 2224 | 2229 | rVV6 | 4134    | 7422    | 0.12%  | 0.011% |
| 89  | 15.194 | 2229 | 2232 | 2235 | rVB5 | 2322    | 3290    | 0.05%  | 0.005% |
| 90  | 15.371 | 2255 | 2261 | 2266 | rVV6 | 3340    | 8449    | 0.14%  | 0.013% |
| 91  | 15.450 | 2271 | 2274 | 2279 | rVB6 | 1372    | 2395    | 0.04%  | 0.004% |
| 92  | 15.511 | 2279 | 2284 | 2290 | rBV  | 18891   | 34718   | 0.56%  | 0.054% |
| 93  | 15.572 | 2290 | 2294 | 2299 | rVV6 | 3581    | 6496    | 0.11%  | 0.010% |
| 94  | 15.780 | 2326 | 2328 | 2330 | rBV3 | 1551    | 1661    | 0.03%  | 0.003% |
| 95  | 15.859 | 2338 | 2341 | 2344 | rVB5 | 1600    | 2605    | 0.04%  | 0.004% |
| 96  | 15.883 | 2344 | 2345 | 2350 | rVB4 | 891     | 1172    | 0.02%  | 0.002% |
| 97  | 15.950 | 2353 | 2356 | 2360 | rBV5 | 1207    | 2222    | 0.04%  | 0.003% |
| 98  | 16.109 | 2380 | 2382 | 2385 | rVB4 | 1603    | 1372    | 0.02%  | 0.002% |
| 99  | 16.426 | 2425 | 2434 | 2436 | rBV9 | 8402    | 19114   | 0.31%  | 0.030% |
| 100 | 16.603 | 2460 | 2463 | 2465 | rVB4 | 1247    | 1546    | 0.03%  | 0.002% |

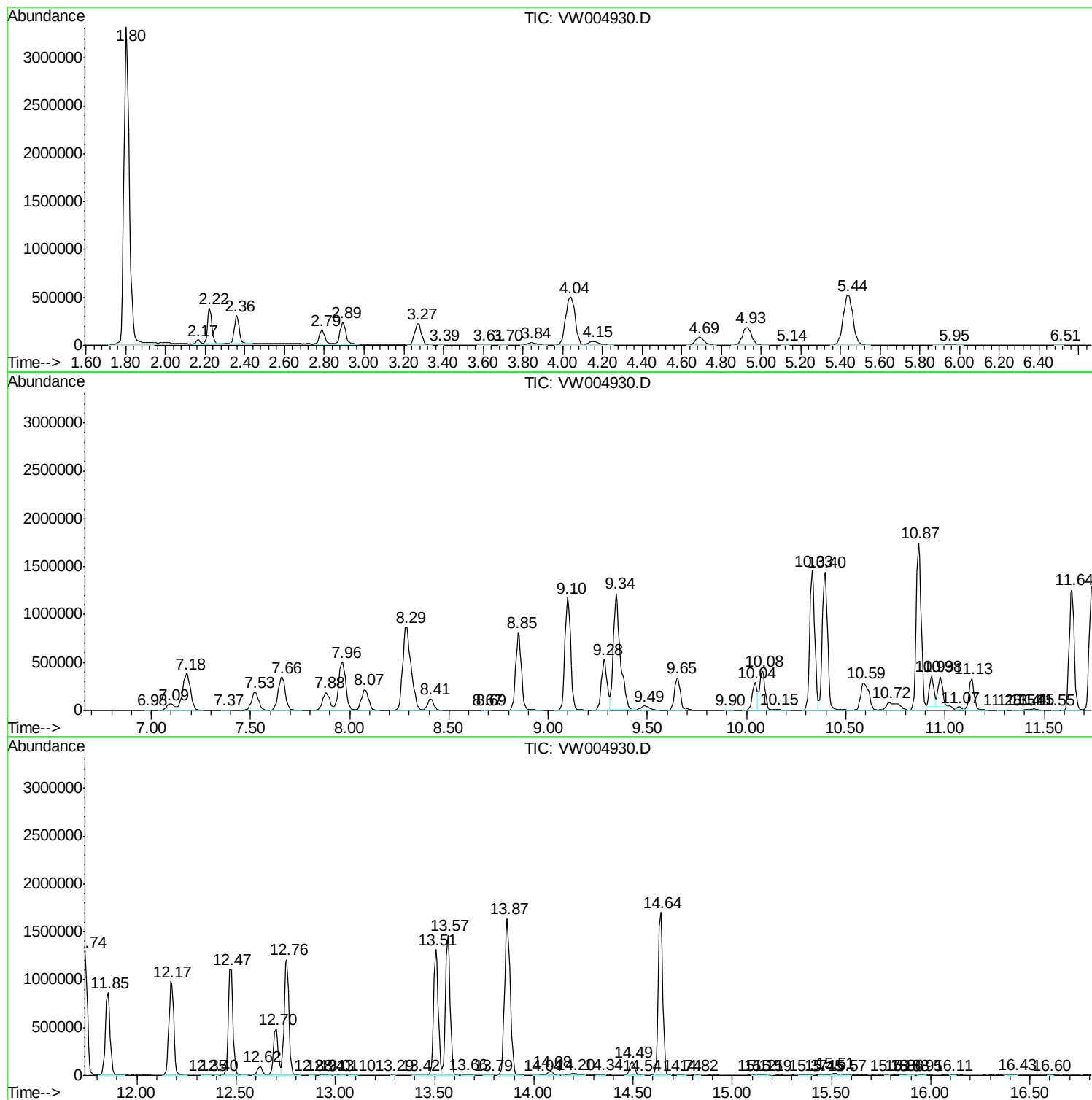
Sum of corrected areas: 64678662

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082318\  
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Instrument :  
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ClientSampleId :  
DB3E8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
Quant Title : VOC Analysis

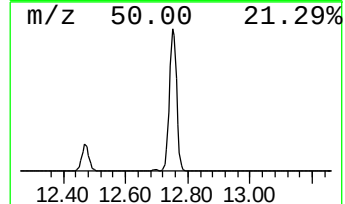
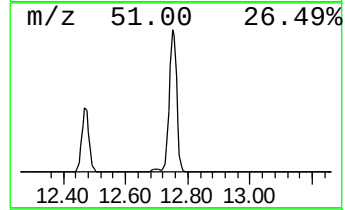
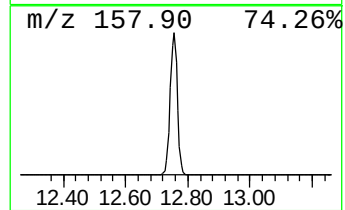
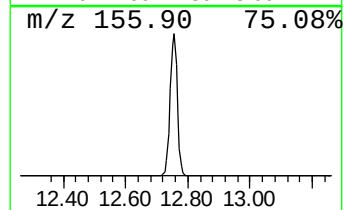
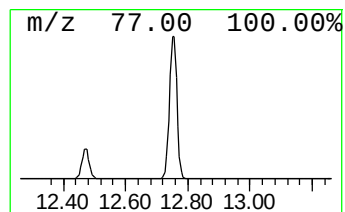
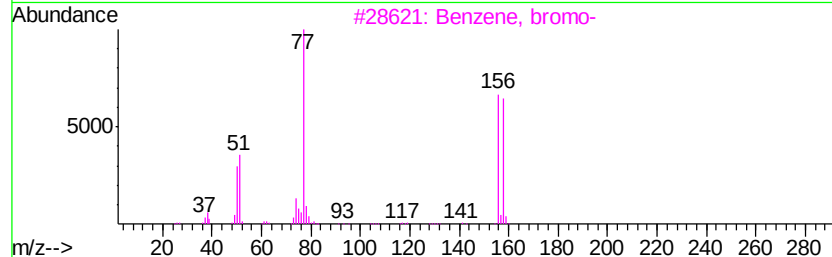
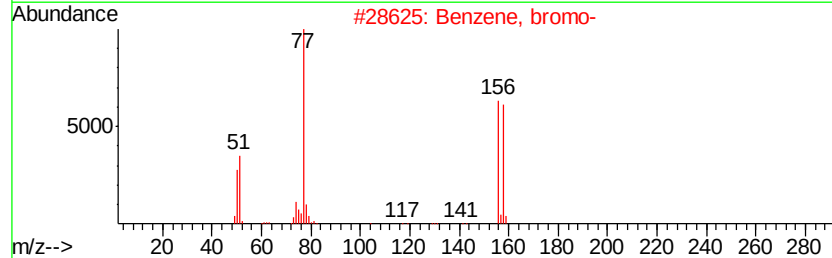
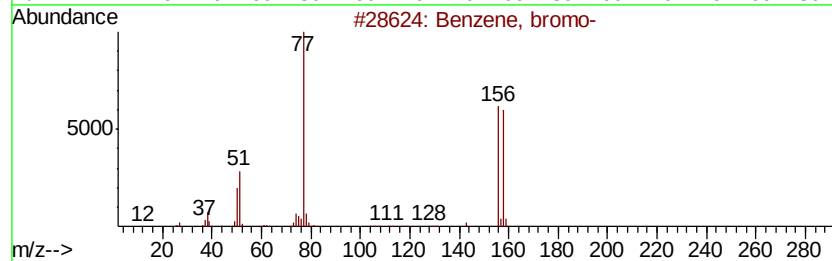
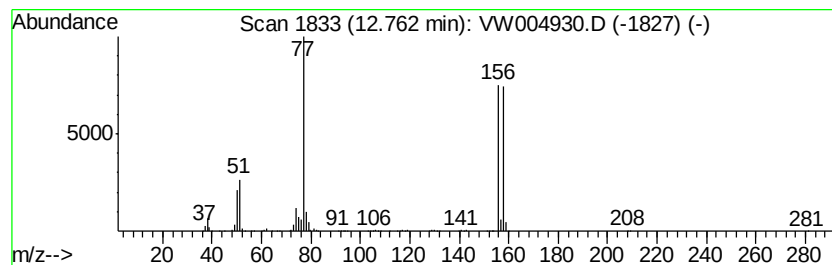
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, bromo- Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.76 | 21.56 ug/L | 2012380 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of | 5               | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|-----------------|--------------|--------|-------------|------|------|
| 1       | Benzene, bromo- | 156          | C6H5Br | 000108-86-1 | 97   |      |
| 2       | Benzene, bromo- | 156          | C6H5Br | 000108-86-1 | 96   |      |
| 3       | Benzene, bromo- | 156          | C6H5Br | 000108-86-1 | 96   |      |
| 4       | Benzene, bromo- | 156          | C6H5Br | 000108-86-1 | 94   |      |
| 5       | Benzene, bromo- | 156          | C6H5Br | 000108-86-1 | 94   |      |



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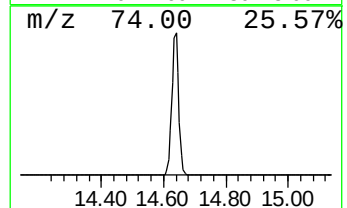
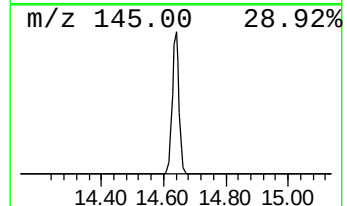
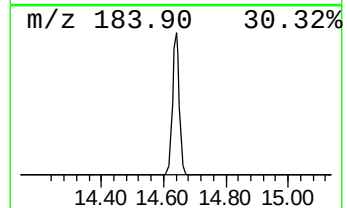
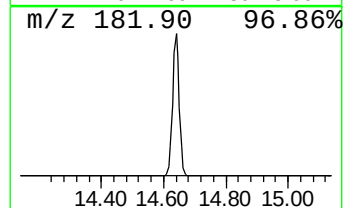
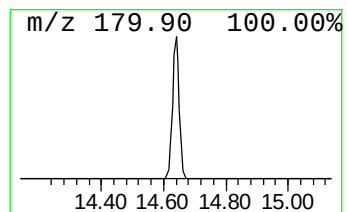
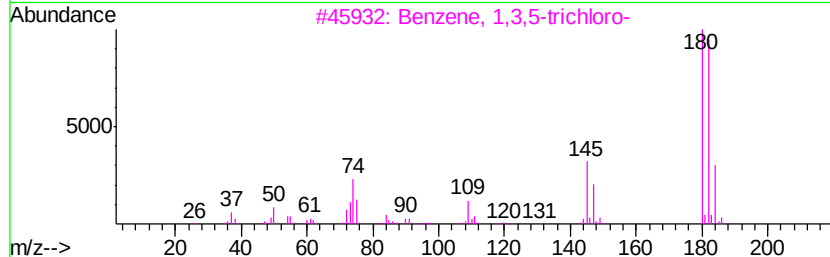
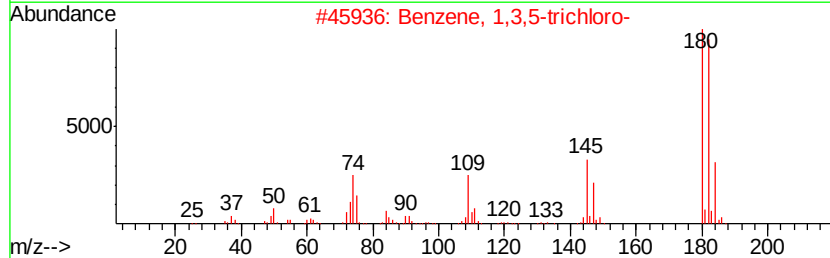
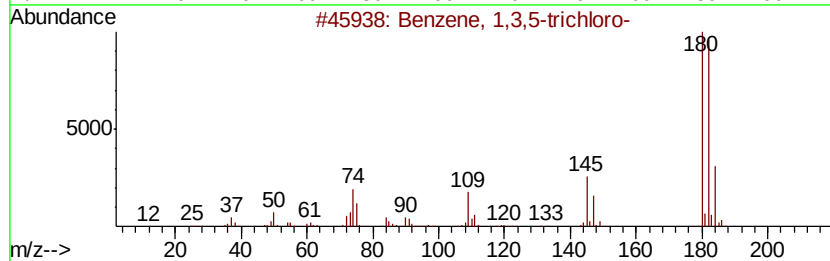
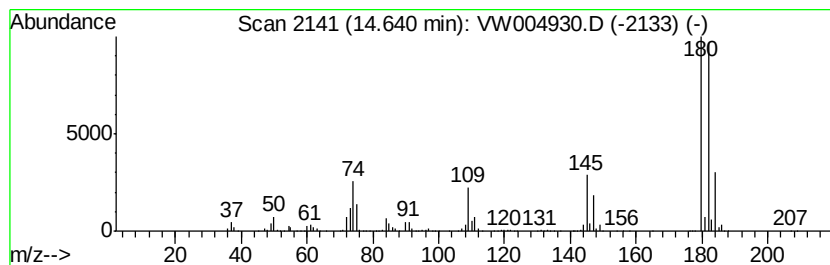
Instrument :  
MSVOA\_W  
ClientSampleId :  
DB3E8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 6 Benzene, 1,3,5-trichloro- Concentration Rank 2

| R.T.    | EstConc                   | Area         | Relative to ISTD       | R.T.        |      |      |
|---------|---------------------------|--------------|------------------------|-------------|------|------|
| 14.64   | 28.70 ug/L                | 2678190      | 1,4-Dichlorobenzene-d4 | 13.57       |      |      |
| Hit# of | 5                         | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | Benzene, 1,3,5-trichloro- | 180          | C6H3Cl3                | 000108-70-3 | 98   |      |
| 2       | Benzene, 1,3,5-trichloro- | 180          | C6H3Cl3                | 000108-70-3 | 98   |      |
| 3       | Benzene, 1,3,5-trichloro- | 180          | C6H3Cl3                | 000108-70-3 | 98   |      |
| 4       | Benzene, 1,2,3-trichloro- | 180          | C6H3Cl3                | 000087-61-6 | 98   |      |
| 5       | Benzene, 1,2,4-trichloro- | 180          | C6H3Cl3                | 000120-82-1 | 97   |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082318\  
Data File : VW004930.D  
Acq On : 24 Aug 2018 11:44  
Operator : SY/AP  
Sample : J4628-02  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DB3E8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.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 |
| Benzene, bromo-      | 12.76 | 21.6    | ug/L  | 2012380  | 3                     | 13.57 | 2333110 | 25.0 |
| Benzene, 1,3,5-tr... | 14.64 | 28.7    | ug/L  | 2678190  | 3                     | 13.57 | 2333110 | 25.0 |