

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012621\  
 Data File : VD068185.D  
 Acq On : 26 Jan 2021 12:18  
 Operator : VA/SY  
 Sample : VD0126SBSD01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0126SBSD01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M

Title : SW846 8260

Signal : TIC: VD068185.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.991       | 6             | 12          | 20           | rVB      | 127124         | 170268        | 6.61%           | 0.298%        |
| 2         | 2.214       | 43            | 50          | 55           | rBV      | 122248         | 185064        | 7.19%           | 0.323%        |
| 3         | 2.356       | 68            | 74          | 80           | rVB      | 125107         | 194240        | 7.54%           | 0.339%        |
| 4         | 2.497       | 90            | 98          | 104          | rBV      | 15866          | 32496         | 1.26%           | 0.057%        |
| 5         | 2.762       | 136           | 143         | 153          | rVB      | 109417         | 221627        | 8.61%           | 0.387%        |
| 6         | 2.926       | 162           | 171         | 179          | rBV      | 72652          | 160054        | 6.22%           | 0.280%        |
| 7         | 3.279       | 221           | 231         | 241          | rBV      | 144611         | 346244        | 13.45%          | 0.605%        |
| 8         | 3.714       | 296           | 305         | 317          | rVB      | 74217          | 180965        | 7.03%           | 0.316%        |
| 9         | 3.926       | 334           | 341         | 352          | rVB      | 22784          | 62366         | 2.42%           | 0.109%        |
| 10        | 4.085       | 352           | 368         | 378          | rBV3     | 216082         | 829171        | 32.20%          | 1.449%        |
| 11        | 4.308       | 396           | 406         | 414          | rBV      | 51522          | 144276        | 5.60%           | 0.252%        |
| 12        | 4.414       | 414           | 424         | 437          | rVB      | 124747         | 360693        | 14.01%          | 0.630%        |
| 13        | 4.720       | 455           | 476         | 489          | rBV2     | 141070         | 443285        | 17.21%          | 0.775%        |
| 14        | 4.973       | 504           | 519         | 532          | rBV      | 126810         | 417413        | 16.21%          | 0.729%        |
| 15        | 5.214       | 557           | 560         | 573          | rVB2     | 16981          | 48189         | 1.87%           | 0.084%        |
| 16        | 5.479       | 584           | 605         | 625          | rBV4     | 270675         | 1103013       | 42.83%          | 1.927%        |
| 17        | 6.302       | 728           | 745         | 751          | rBV2     | 276044         | 1098676       | 42.67%          | 1.920%        |
| 18        | 7.214       | 886           | 900         | 909          | rBV3     | 411122         | 1149988       | 44.66%          | 2.009%        |
| 19        | 7.302       | 909           | 915         | 932          | rVB5     | 76954          | 303011        | 11.77%          | 0.529%        |
| 20        | 7.555       | 943           | 958         | 972          | rBV5     | 186582         | 628496        | 24.41%          | 1.098%        |
| 21        | 7.714       | 976           | 985         | 996          | rVB      | 175868         | 439698        | 17.07%          | 0.768%        |
| 22        | 7.914       | 1007          | 1019        | 1025         | rBV3     | 400375         | 1069101       | 41.52%          | 1.868%        |
| 23        | 7.985       | 1025          | 1031        | 1039         | rVV2     | 751572         | 1766216       | 68.59%          | 3.086%        |
| 24        | 8.108       | 1039          | 1052        | 1065         | rVB3     | 360161         | 1380161       | 53.60%          | 2.412%        |
| 25        | 8.349       | 1078          | 1093        | 1101         | rBV3     | 476325         | 1339051       | 52.00%          | 2.340%        |
| 26        | 8.438       | 1101          | 1108        | 1119         | rVB2     | 140506         | 444907        | 17.28%          | 0.777%        |
| 27        | 8.867       | 1170          | 1181        | 1191         | rBV      | 736783         | 1509783       | 58.63%          | 2.638%        |
| 28        | 9.114       | 1215          | 1223        | 1238         | rBV      | 296720         | 597158        | 23.19%          | 1.043%        |
| 29        | 9.361       | 1253          | 1265        | 1276         | rBV3     | 386098         | 1270310       | 49.33%          | 2.220%        |
| 30        | 9.467       | 1276          | 1283        | 1289         | rVV3     | 184448         | 489490        | 19.01%          | 0.855%        |
| 31        | 9.520       | 1289          | 1292        | 1302         | rVB      | 79280          | 144943        | 5.63%           | 0.253%        |
| 32        | 9.667       | 1306          | 1317        | 1324         | rBV      | 190027         | 377432        | 14.66%          | 0.659%        |
| 33        | 9.885       | 1347          | 1354        | 1357         | rBV2     | 19836          | 37940         | 1.47%           | 0.066%        |
| 34        | 9.943       | 1357          | 1364        | 1374         | rVB      | 500609         | 880740        | 34.20%          | 1.539%        |
| 35        | 10.091      | 1382          | 1389        | 1401         | rBV      | 253711         | 474093        | 18.41%          | 0.828%        |
| 36        | 10.232      | 1405          | 1413        | 1424         | rBV      | 381142         | 692174        | 26.88%          | 1.209%        |

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 Sample : VD0126SBSD01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0126SBSD01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 10.343 | 1424 | 1432 | 1437 | rVV  | 916072  | 1666568 | 64.72%  | 2.912% |
| 38 | 10.408 | 1437 | 1443 | 1453 | rVB  | 575927  | 1061219 | 41.21%  | 1.854% |
| 39 | 10.626 | 1471 | 1480 | 1483 | rBV  | 233663  | 415808  | 16.15%  | 0.727% |
| 40 | 10.661 | 1483 | 1486 | 1492 | rVV  | 174809  | 282159  | 10.96%  | 0.493% |
| 41 | 10.726 | 1492 | 1497 | 1503 | rVV  | 97389   | 166004  | 6.45%   | 0.290% |
| 42 | 10.802 | 1503 | 1510 | 1516 | rVV  | 218118  | 388786  | 15.10%  | 0.679% |
| 43 | 10.879 | 1516 | 1523 | 1529 | rVV  | 375083  | 668493  | 25.96%  | 1.168% |
| 44 | 10.949 | 1529 | 1535 | 1538 | rVV  | 198967  | 364292  | 14.15%  | 0.637% |
| 45 | 10.985 | 1538 | 1541 | 1550 | rVB  | 276333  | 437052  | 16.97%  | 0.764% |
| 46 | 11.085 | 1552 | 1558 | 1562 | rBV2 | 145782  | 246141  | 9.56%   | 0.430% |
| 47 | 11.143 | 1562 | 1568 | 1574 | rVB  | 158743  | 286425  | 11.12%  | 0.500% |
| 48 | 11.249 | 1580 | 1586 | 1593 | rVB  | 100706  | 175466  | 6.81%   | 0.307% |
| 49 | 11.461 | 1617 | 1622 | 1628 | rVB3 | 17658   | 29924   | 1.16%   | 0.052% |
| 50 | 11.649 | 1645 | 1654 | 1664 | rBV2 | 1060011 | 2575107 | 100.00% | 4.500% |
| 51 | 11.743 | 1664 | 1670 | 1680 | rVV  | 961504  | 1675258 | 65.06%  | 2.927% |
| 52 | 11.855 | 1681 | 1689 | 1701 | rVB  | 1085318 | 2106826 | 81.82%  | 3.681% |
| 53 | 12.190 | 1737 | 1746 | 1756 | rBV2 | 928745  | 1925213 | 74.76%  | 3.364% |
| 54 | 12.290 | 1756 | 1763 | 1769 | rVV  | 189552  | 290452  | 11.28%  | 0.508% |
| 55 | 12.361 | 1769 | 1775 | 1784 | rVB  | 104129  | 188913  | 7.34%   | 0.330% |
| 56 | 12.479 | 1788 | 1795 | 1800 | rBV  | 692759  | 1129625 | 43.87%  | 1.974% |
| 57 | 12.532 | 1800 | 1804 | 1810 | rVV  | 109089  | 174889  | 6.79%   | 0.306% |
| 58 | 12.632 | 1814 | 1821 | 1832 | rVB  | 765422  | 1288113 | 50.02%  | 2.251% |
| 59 | 12.761 | 1832 | 1843 | 1849 | rBV3 | 482424  | 1259703 | 48.92%  | 2.201% |
| 60 | 12.820 | 1849 | 1853 | 1860 | rVB  | 695251  | 1105583 | 42.93%  | 1.932% |
| 61 | 12.908 | 1860 | 1868 | 1872 | rBV  | 533722  | 871373  | 33.84%  | 1.523% |
| 62 | 12.961 | 1872 | 1877 | 1881 | rVV  | 702441  | 1135969 | 44.11%  | 1.985% |
| 63 | 13.008 | 1881 | 1885 | 1892 | rVB  | 524600  | 845893  | 32.85%  | 1.478% |
| 64 | 13.226 | 1913 | 1922 | 1925 | rBV  | 635955  | 1071930 | 41.63%  | 1.873% |
| 65 | 13.267 | 1925 | 1929 | 1936 | rVB  | 943670  | 1526351 | 59.27%  | 2.667% |
| 66 | 13.402 | 1943 | 1952 | 1959 | rBV  | 648601  | 1042823 | 40.50%  | 1.822% |
| 67 | 13.514 | 1964 | 1971 | 1976 | rVV  | 1152182 | 1867958 | 72.54%  | 3.264% |
| 68 | 13.579 | 1976 | 1982 | 1996 | rVB2 | 1119901 | 2413805 | 93.74%  | 4.218% |
| 69 | 13.843 | 2020 | 2027 | 2031 | rBV  | 726677  | 1102885 | 42.83%  | 1.927% |
| 70 | 13.890 | 2031 | 2035 | 2045 | rVB  | 395660  | 661850  | 25.70%  | 1.156% |
| 71 | 14.108 | 2065 | 2072 | 2080 | rVB2 | 344736  | 640018  | 24.85%  | 1.118% |
| 72 | 14.502 | 2132 | 2139 | 2146 | rVB3 | 44846   | 94600   | 3.67%   | 0.165% |
| 73 | 14.814 | 2185 | 2192 | 2199 | rBV  | 535968  | 873872  | 33.94%  | 1.527% |
| 74 | 15.161 | 2244 | 2251 | 2258 | rVB  | 352782  | 596782  | 23.18%  | 1.043% |
| 75 | 15.267 | 2262 | 2269 | 2279 | rVB2 | 322894  | 562794  | 21.86%  | 0.983% |
| 76 | 15.402 | 2283 | 2292 | 2299 | rBV  | 246059  | 450343  | 17.49%  | 0.787% |

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Sample : VD0126SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0126SBSD01

Integration Parameters: RTEINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 15.543 | 2309 | 2316 | 2319 | rVV2 | 25442  | 45383  | 1.76%  | 0.079% |
| 78 | 15.596 | 2319 | 2325 | 2334 | rVB  | 279640 | 525173 | 20.39% | 0.918% |

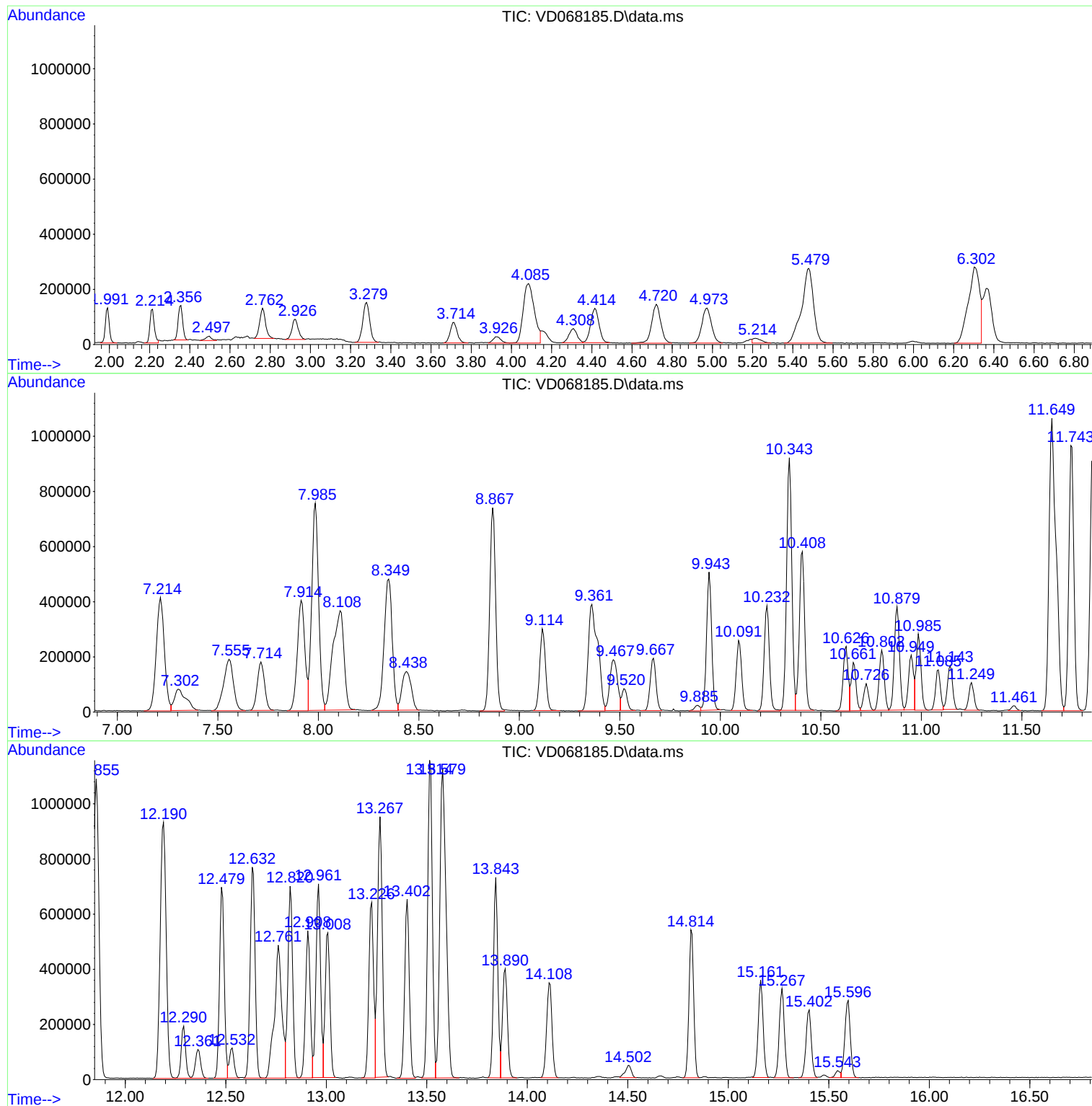
Sum of corrected areas: 57230553

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012621\  
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Instrument :  
MSVOA\_D  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

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



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260

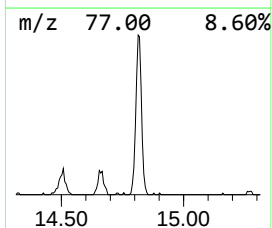
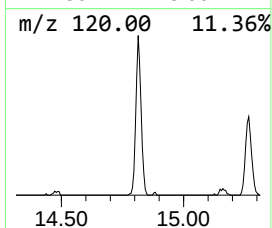
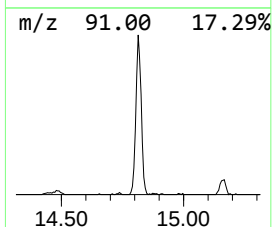
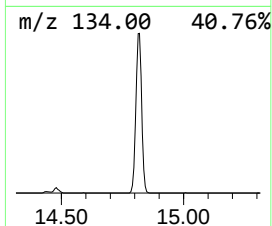
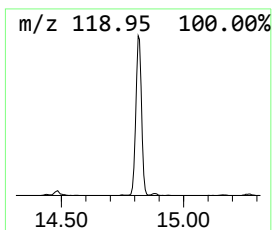
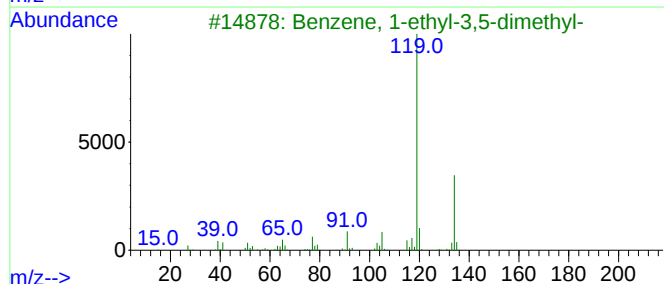
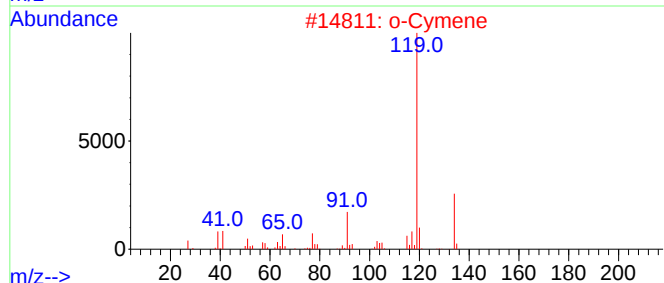
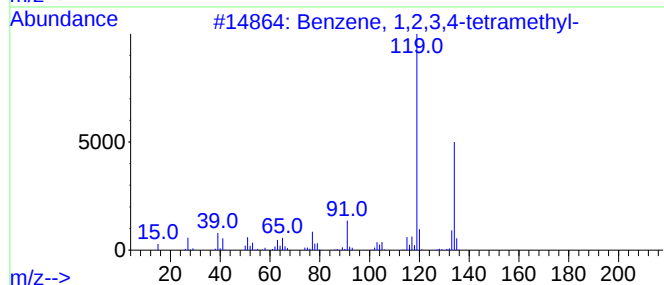
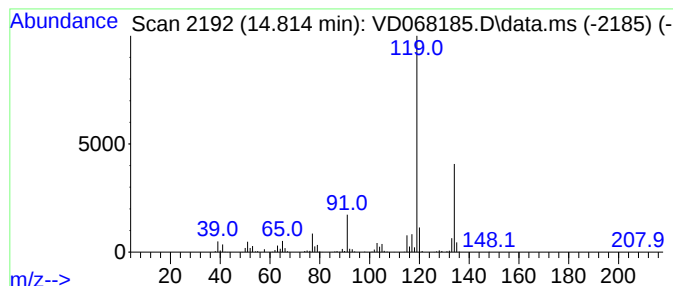
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

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

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.814 | 18.10 ug/l | 873872 | 1,4-Dichlorobenzene-d4 | 13.579 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 95   |
| 2    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 3    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 94   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |
| 5    |    |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 94   |



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ClientSampleId :  
VD0126SBSD01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.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 |
| Benzene, 1,2,3,... | 14.814 | 18.1    | ug/l  | 873872   | 4                     | 13.579 | 2413810 | 50.0 |