LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121818\
Data File : VV009032.D
Acq On : 19 Dec 2018 00:28
Operator : SY/MD
Sample : J6419-01
Misc : 4.54G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF008

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_V\METHOD\SOM2VLM120618S.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 | 79 | rVB | 85754 | 90196 | 11.37% | 1.710% |
| 2 | 1.576 | 145 | 151 | 164 | rVB | 80282 | 92644 | 11.68% | 1.757% |
| 3 | 2.126 | 311 | 322 | 335 | rBV | 201529 | 292437 | 36.86% | 5.546% |
| 4 | 2.437 | 412 | 419 | 423 | rBV3 | 856 | 1318 | 0.17% | 0.025% |
| 5 | 2.537 | 441 | 450 | 460 | rBV3 | 3660 | 6290 | 0.79% | 0.119% |
| 6 | 2.859 | 547 | 550 | 554 | rBV | 198 | 162 | 0.02% | 0.003% |
| 7 | 2.939 | 573 | 575 | 578 | rBV | 240 | 161 | 0.02% | 0.003% |
| 8 | 2.990 | 588 | 591 | 593 | rVB2 | 459 | 299 | 0.04% | 0.006% |
| 9 | 3.032 | 601 | 604 | 605 | rBV | 274 | 170 | 0.02% | 0.003% |
| 10 | 3.071 | 610 | 616 | 618 | rBV3 | 1307 | 1059 | 0.13% | 0.020% |
| 11 | 3.254 | 669 | 673 | 676 | rBV | 208 | 221 | 0.03% | 0.004% |
| 12 | 3.334 | 694 | 698 | 702 | rBV2 | 180 | 146 | 0.02% | 0.003% |
| 13 | 3.431 | 725 | 728 | 733 | rVB | 214 | 127 | 0.02% | 0.002% |
| 14 | 3.605 | 776 | 782 | 788 | rBV | 283 | 403 | 0.05% | 0.008% |
| 15 | 3.666 | 796 | 801 | 805 | rBV | 205 | 261 | 0.03% | 0.005% |
| 16 | 3.846 | 854 | 857 | 859 | rBV | 148 | 126 | 0.02% | 0.002% |
| 17 | 3.955 | 873 | 891 | 925 | rBV5 | 24174 | 109310 | 13.78% | 2.073% |
| 18 | 4.334 | 1006 | 1009 | 1012 | rVB | 420 | 307 | 0.04% | 0.006% |
| 19 | 4.399 | 1012 | 1029 | 1053 | rBV | 134016 | 331867 | 41.83% | 6.293% |
| 20 | 4.727 | 1126 | 1131 | 1135 | rBV2 | 198 | 174 | 0.02% | 0.003% |
| 21 | 4.794 | 1144 | 1152 | 1156 | rBV2 | 304 | 402 | 0.05% | 0.008% |
| 22 | 4.836 | 1163 | 1165 | 1168 | rBV | 143 | 122 | 0.02% | 0.002% |
| 23 | 5.032 | 1223 | 1226 | 1227 | rBV | 251 | 162 | 0.02% | 0.003% |
| 24 | 5.096 | 1227 | 1246 | 1261 | rBV2 | 313204 | 793281 | 100.00% | 15.044% |
| 25 | 5.254 | 1293 | 1295 | 1296 | rBV | 236 | 93 | 0.01% | 0.002% |
| 26 | 5.296 | 1306 | 1308 | 1312 | rVB2 | 246 | 130 | 0.02% | 0.002% |
| 27 | 5.367 | 1328 | 1330 | 1336 | rBV | 380 | 370 | 0.05% | 0.007% |
| 28 | 5.418 | 1343 | 1346 | 1349 | rBV2 | 212 | 175 | 0.02% | 0.003% |
| 29 | 5.450 | 1353 | 1356 | 1357 | rVV | 216 | 97 | 0.01% | 0.002% |
| 30 | 5.511 | 1372 | 1375 | 1378 | rBV2 | 341 | 253 | 0.03% | 0.005% |
| 31 | 5.566 | 1388 | 1392 | 1394 | rBV | 238 | 215 | 0.03% | 0.004% |
| 32 | 5.585 | 1396 | 1398 | 1400 | rVB | 245 | 97 | 0.01% | 0.002% |
| 33 | 5.601 | 1400 | 1403 | 1406 | rBV | 164 | 156 | 0.02% | 0.003% |
| 34 | 5.662 | 1407 | 1422 | 1449 | rBV | 269283 | 537976 | 67.82% | 10.202% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121818\
Data File : VV009032.D
Acq On : 19 Dec 2018 00:28
Operator : SY/MD
Sample : J6419-01
Misc : 4.54G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF008

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_V\METHOD\SOM2VLM120618S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.949 | 1500 | 1511 | 1524 | rVB3 | 14214 | 27796 | 3.50% | 0.527% |
| 36 | 6.013 | 1524 | 1531 | 1532 | rBV2 | 267 | 266 | 0.03% | 0.005% |
| 37 | 6.119 | 1550 | 1564 | 1581 | rBV | 175422 | 360829 | 45.49% | 6.843% |
| 38 | 6.241 | 1601 | 1602 | 1603 | rBV | 364 | 130 | 0.02% | 0.002% |
| 39 | 6.537 | 1692 | 1694 | 1696 | rBV | 159 | 111 | 0.01% | 0.002% |
| 40 | 6.576 | 1704 | 1706 | 1710 | rBB | 289 | 178 | 0.02% | 0.003% |
| 41 | 6.598 | 1710 | 1713 | 1714 | rBV | 160 | 113 | 0.01% | 0.002% |
| 42 | 6.637 | 1723 | 1725 | 1727 | rVB | 375 | 165 | 0.02% | 0.003% |
| 43 | 6.662 | 1730 | 1733 | 1734 | rBV | 281 | 205 | 0.03% | 0.004% |
| 44 | 6.762 | 1761 | 1764 | 1767 | rBV | 189 | 147 | 0.02% | 0.003% |
| 45 | 6.823 | 1776 | 1783 | 1791 | rVV5 | 993 | 1571 | 0.20% | 0.030% |
| 46 | 6.868 | 1795 | 1797 | 1803 | rVB | 251 | 136 | 0.02% | 0.003% |
| 47 | 7.029 | 1834 | 1847 | 1868 | rBV | 69727 | 125160 | 15.78% | 2.374% |
| 48 | 7.157 | 1884 | 1887 | 1889 | rBV2 | 245 | 152 | 0.02% | 0.003% |
| 49 | 7.267 | 1918 | 1921 | 1922 | rBV | 258 | 147 | 0.02% | 0.003% |
| 50 | 7.360 | 1936 | 1950 | 1970 | rBV | 352671 | 618100 | 77.92% | 11.722% |
| 51 | 7.518 | 1992 | 1999 | 2011 | rVB4 | 6014 | 9919 | 1.25% | 0.188% |
| 52 | 7.666 | 2034 | 2045 | 2063 | rBV | 47674 | 80348 | 10.13% | 1.524% |
| 53 | 7.932 | 2126 | 2128 | 2129 | rBV | 218 | 115 | 0.01% | 0.002% |
| 54 | 7.987 | 2135 | 2145 | 2150 | rBV3 | 1115 | 1918 | 0.24% | 0.036% |
| 55 | 8.141 | 2182 | 2193 | 2228 | rVV6 | 46964 | 125080 | 15.77% | 2.372% |
| 56 | 8.354 | 2257 | 2259 | 2264 | rVB | 220 | 111 | 0.01% | 0.002% |
| 57 | 8.379 | 2264 | 2267 | 2268 | rBV | 242 | 148 | 0.02% | 0.003% |
| 58 | 8.428 | 2280 | 2282 | 2285 | rBV | 211 | 122 | 0.02% | 0.002% |
| 59 | 8.466 | 2290 | 2294 | 2296 | rBV2 | 391 | 356 | 0.04% | 0.007% |
| 60 | 8.511 | 2302 | 2308 | 2311 | rBV | 357 | 394 | 0.05% | 0.007% |
| 61 | 8.659 | 2351 | 2354 | 2359 | rVB2 | 213 | 167 | 0.02% | 0.003% |
| 62 | 8.897 | 2415 | 2428 | 2452 | rBV | 351273 | 587409 | 74.05% | 11.140% |
| 63 | 9.058 | 2472 | 2478 | 2485 | rVB | 915 | 1418 | 0.18% | 0.027% |
| 64 | 9.183 | 2511 | 2517 | 2525 | rBV4 | 1443 | 2100 | 0.26% | 0.040% |
| 65 | 9.411 | 2586 | 2588 | 2591 | rVB | 187 | 99 | 0.01% | 0.002% |
| 66 | 9.585 | 2637 | 2642 | 2645 | rBV3 | 980 | 998 | 0.13% | 0.019% |
| 67 | 9.640 | 2656 | 2659 | 2664 | rBV2 | 212 | 203 | 0.03% | 0.004% |
| 68 | 9.682 | 2669 | 2672 | 2674 | rBV | 247 | 194 | 0.02% | 0.004% |
| 69 | 9.701 | 2674 | 2678 | 2681 | rVB2 | 224 | 211 | 0.03% | 0.004% |
| 70 | 9.948 | 2752 | 2755 | 2757 | rBV2 | 159 | 112 | 0.01% | 0.002% |
| 71 | 10.263 | 2841 | 2853 | 2873 | rVB | 129382 | 209616 | 26.42% | 3.975% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121818\
Data File : VV009032.D
Acq On : 19 Dec 2018 00:28
Operator : SY/MD
Sample : J6419-01
Misc : 4.54G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF008

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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_V\METHOD\SOM2VLM120618S.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.341 | 2874 | 2877 | 2879 | rBV | 182 | 109 | 0.01% | 0.002% |
| 73 | 10.389 | 2890 | 2892 | 2894 | rBV | 151 | 110 | 0.01% | 0.002% |
| 74 | 10.427 | 2897 | 2904 | 2913 | rVB5 | 4096 | 6551 | 0.83% | 0.124% |
| 75 | 10.534 | 2934 | 2937 | 2941 | rBV2 | 175 | 144 | 0.02% | 0.003% |
| 76 | 10.630 | 2957 | 2967 | 2972 | rVV4 | 817 | 1264 | 0.16% | 0.024% |
| 77 | 10.907 | 3049 | 3053 | 3060 | rVB3 | 424 | 361 | 0.05% | 0.007% |
| 78 | 10.984 | 3066 | 3077 | 3090 | rBV2 | 20998 | 34208 | 4.31% | 0.649% |
| 79 | 11.141 | 3123 | 3126 | 3127 | rBV2 | 408 | 212 | 0.03% | 0.004% |
| 80 | 11.231 | 3148 | 3154 | 3161 | rVB4 | 1179 | 1500 | 0.19% | 0.028% |
| 81 | 11.299 | 3162 | 3175 | 3193 | rBV | 255293 | 424957 | 53.57% | 8.059% |
| 82 | 11.511 | 3237 | 3241 | 3242 | rBV2 | 401 | 289 | 0.04% | 0.005% |
| 83 | 11.585 | 3256 | 3264 | 3266 | rBV3 | 746 | 941 | 0.12% | 0.018% |
| 84 | 11.675 | 3280 | 3292 | 3306 | rBV | 231067 | 370681 | 46.73% | 7.030% |
| 85 | 11.833 | 3334 | 3341 | 3349 | rBV4 | 5432 | 7577 | 0.96% | 0.144% |
| 86 | 12.199 | 3449 | 3455 | 3456 | rBV2 | 657 | 566 | 0.07% | 0.011% |
| 87 | 12.415 | 3520 | 3522 | 3525 | rBV2 | 293 | 165 | 0.02% | 0.003% |
| 88 | 12.463 | 3532 | 3537 | 3539 | rBV3 | 503 | 444 | 0.06% | 0.008% |
| 89 | 12.585 | 3572 | 3575 | 3578 | rBV | 236 | 141 | 0.02% | 0.003% |
| 90 | 12.672 | 3599 | 3602 | 3605 | rBV | 376 | 227 | 0.03% | 0.004% |
| 91 | 12.694 | 3605 | 3609 | 3611 | rBV2 | 595 | 431 | 0.05% | 0.008% |
| 92 | 12.752 | 3625 | 3627 | 3629 | rBV | 293 | 152 | 0.02% | 0.003% |
| 93 | 12.932 | 3678 | 3683 | 3691 | rVB5 | 2013 | 2584 | 0.33% | 0.049% |
| 94 | 13.090 | 3729 | 3732 | 3734 | rBV | 218 | 109 | 0.01% | 0.002% |
| 95 | 13.106 | 3734 | 3737 | 3741 | rBV | 212 | 194 | 0.02% | 0.004% |
| 96 | 13.279 | 3787 | 3791 | 3792 | rBV2 | 267 | 134 | 0.02% | 0.003% |
| 97 | 13.292 | 3792 | 3795 | 3798 | rBV | 253 | 216 | 0.03% | 0.004% |
| 98 | 13.797 | 3949 | 3952 | 3958 | rVB4 | 1247 | 1164 | 0.15% | 0.022% |
| 99 | 14.164 | 4065 | 4066 | 4068 | rBV2 | 272 | 97 | 0.01% | 0.002% |
| 100 | 14.389 | 4135 | 4136 | 4139 | rBV | 399 | 211 | 0.03% | 0.004% |

Sum of corrected areas: 5273190

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121818\
Data File : VV009032.D
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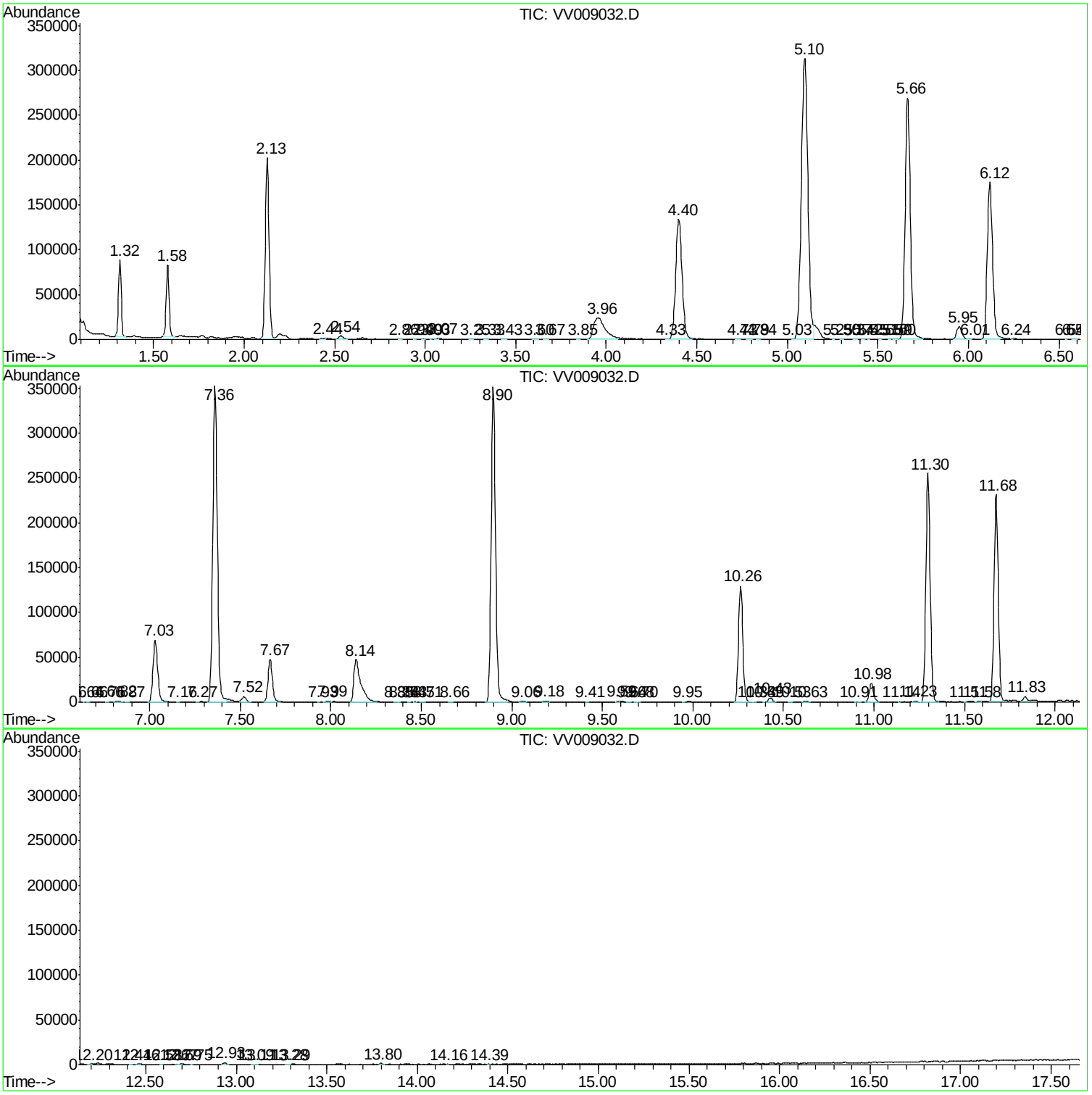
Misc : 4.54G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121818\
Data File : VV009032.D
Acq On : 19 Dec 2018 00:28
Operator : SY/MD
Sample : J6419-01
Misc : 4.54G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

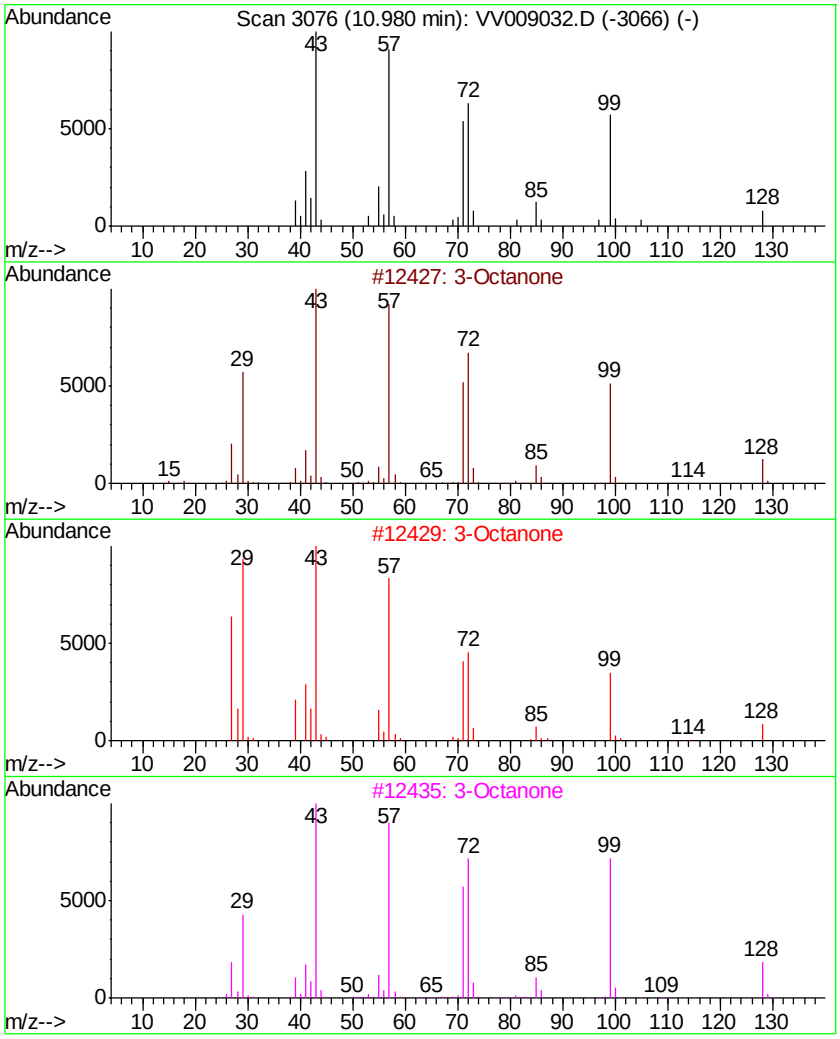
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

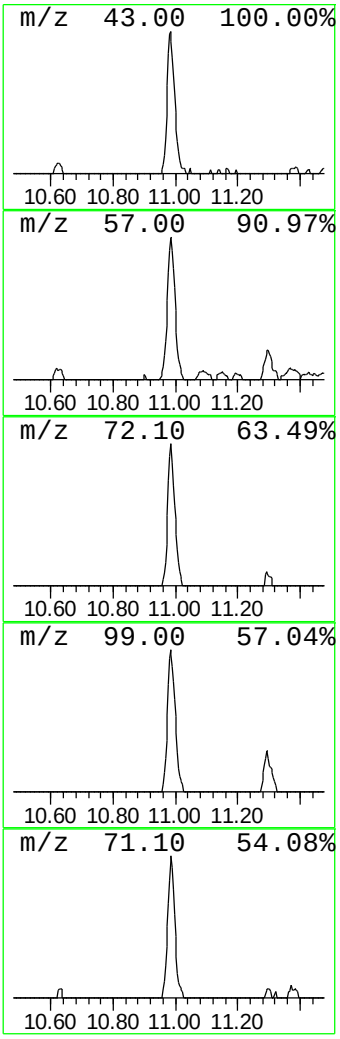
**********

Peak Number 3 3-Octanone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.98 | 2.01 ug/L | 34208 | 1,4-Dichlorobenzene-d4 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 91 |
| 2 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 91 |
| 3 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 87 |
| 4 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 72 |
| 5 | 3-Heptanone, 6-methyl- | 128 | C8H16O | 000624-42-0 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121818\
Data File : VV009032.D
Acq On : 19 Dec 2018 00:28
Operator : SY/MD
Sample : J6419-01
Misc : 4.54G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 3-Octanone | 10.98 | 2.0 | ug/L | 34208 | 3 | 11.30 | 424957 | 25.0 |