LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_Y\methods\82Y040822S.M
Title : SW846 8260

Signal : TIC: VY008312.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.900 | 169 | 177 | 186 | rBV4 | 2896 | 7473 | 1.33% | 0.198% |
| 2 | 3.948 | 340 | 349 | 363 | rBV | 11144 | 29848 | 5.32% | 0.792% |
| 3 | 4.716 | 465 | 475 | 490 | rBV3 | 10943 | 40597 | 7.24% | 1.077% |
| 4 | 5.753 | 632 | 645 | 655 | rVB4 | 5653 | 17729 | 3.16% | 0.470% |
| 5 | 6.984 | 839 | 847 | 856 | rBV | 7549 | 19212 | 3.42% | 0.510% |
| 6 | 7.716 | 956 | 967 | 973 | rBV | 66175 | 158201 | 28.20% | 4.198% |
| 7 | 7.789 | 973 | 979 | 989 | rVB | 134939 | 299580 | 53.40% | 7.950% |
| 8 | 8.142 | 1028 | 1037 | 1053 | rVB | 71832 | 164108 | 29.25% | 4.355% |
| 9 | 8.545 | 1096 | 1103 | 1114 | rVB2 | 8288 | 18130 | 3.23% | 0.481% |
| 10 | 8.691 | 1118 | 1127 | 1137 | rBV | 204391 | 398466 | 71.03% | 10.574% |
| 11 | 9.136 | 1193 | 1200 | 1215 | rVV | 23743 | 52003 | 9.27% | 1.380% |
| 12 | 9.276 | 1215 | 1223 | 1233 | rVB3 | 3298 | 8313 | 1.48% | 0.221% |
| 13 | 9.819 | 1305 | 1312 | 1321 | rVB5 | 2287 | 6534 | 1.16% | 0.173% |
| 14 | 10.069 | 1347 | 1353 | 1363 | rBV | 11902 | 21617 | 3.85% | 0.574% |
| 15 | 10.179 | 1363 | 1371 | 1378 | rBV | 331683 | 560973 | 100.00% | 14.886% |
| 16 | 10.276 | 1384 | 1387 | 1394 | rVB3 | 6404 | 12092 | 2.16% | 0.321% |
| 17 | 10.368 | 1394 | 1402 | 1409 | rVB3 | 5482 | 10023 | 1.79% | 0.266% |
| 18 | 10.721 | 1454 | 1460 | 1467 | rVB2 | 6851 | 12149 | 2.17% | 0.322% |
| 19 | 10.831 | 1467 | 1478 | 1487 | rBV | 25395 | 46002 | 8.20% | 1.221% |
| 20 | 10.929 | 1489 | 1494 | 1499 | rVV5 | 3664 | 5790 | 1.03% | 0.154% |
| 21 | 11.203 | 1533 | 1539 | 1545 | rBV3 | 3582 | 6929 | 1.24% | 0.184% |
| 22 | 11.386 | 1564 | 1569 | 1577 | rVB6 | 3645 | 7806 | 1.39% | 0.207% |
| 23 | 11.489 | 1578 | 1586 | 1595 | rBV | 288705 | 463719 | 82.66% | 12.306% |
| 24 | 11.599 | 1595 | 1604 | 1610 | rVV3 | 9500 | 20087 | 3.58% | 0.533% |
| 25 | 11.739 | 1616 | 1627 | 1632 | rVB3 | 10002 | 23897 | 4.26% | 0.634% |
| 26 | 12.026 | 1668 | 1674 | 1679 | rVB2 | 9180 | 14419 | 2.57% | 0.383% |
| 27 | 12.105 | 1679 | 1687 | 1696 | rVB | 44642 | 71435 | 12.73% | 1.896% |
| 28 | 12.209 | 1696 | 1704 | 1706 | rBV5 | 3305 | 7254 | 1.29% | 0.192% |
| 29 | 12.239 | 1706 | 1709 | 1718 | rVB6 | 4100 | 8558 | 1.53% | 0.227% |
| 30 | 12.416 | 1732 | 1738 | 1743 | rBV5 | 4312 | 8819 | 1.57% | 0.234% |
| 31 | 12.483 | 1743 | 1749 | 1763 | rVV | 214905 | 337540 | 60.17% | 8.957% |
| 32 | 12.629 | 1765 | 1773 | 1778 | rVV5 | 6735 | 15027 | 2.68% | 0.399% |
| 33 | 12.684 | 1778 | 1782 | 1788 | rVB5 | 3344 | 6242 | 1.11% | 0.166% |
| 34 | 12.764 | 1788 | 1795 | 1797 | rBV4 | 5967 | 10073 | 1.80% | 0.267% |
| 35 | 12.806 | 1797 | 1802 | 1809 | rVV | 94957 | 142033 | 25.32% | 3.769% |
| 36 | 12.934 | 1817 | 1823 | 1831 | rBV2 | 7112 | 19376 | 3.45% | 0.514% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_Y\methods\82Y040822S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.038 | 1837 | 1840 | 1845 | rBV4 | 5105 | 9710 | 1.73% | 0.258% |
| 38 | 13.166 | 1855 | 1861 | 1866 | rVB | 29159 | 45117 | 8.04% | 1.197% |
| 39 | 13.276 | 1873 | 1879 | 1886 | rBV | 3911 | 10621 | 1.89% | 0.282% |
| 40 | 13.428 | 1897 | 1904 | 1910 | rBV | 250094 | 379794 | 67.70% | 10.079% |
| 41 | 13.526 | 1915 | 1920 | 1926 | rBV | 48008 | 82278 | 14.67% | 2.183% |
| 42 | 13.660 | 1938 | 1942 | 1948 | rBV7 | 3928 | 7174 | 1.28% | 0.190% |
| 43 | 13.757 | 1951 | 1958 | 1969 | rBV4 | 20109 | 52251 | 9.31% | 1.387% |
| 44 | 13.849 | 1969 | 1973 | 1979 | rBV | 20934 | 34031 | 6.07% | 0.903% |
| 45 | 14.105 | 2010 | 2015 | 2023 | rBV | 19614 | 31292 | 5.58% | 0.830% |
| 46 | 14.507 | 2076 | 2081 | 2090 | rVB2 | 15469 | 25864 | 4.61% | 0.686% |
| 47 | 14.623 | 2095 | 2100 | 2105 | rVV3 | 9461 | 16668 | 2.97% | 0.442% |
| 48 | 14.958 | 2148 | 2155 | 2164 | rBV2 | 9887 | 21491 | 3.83% | 0.570% |

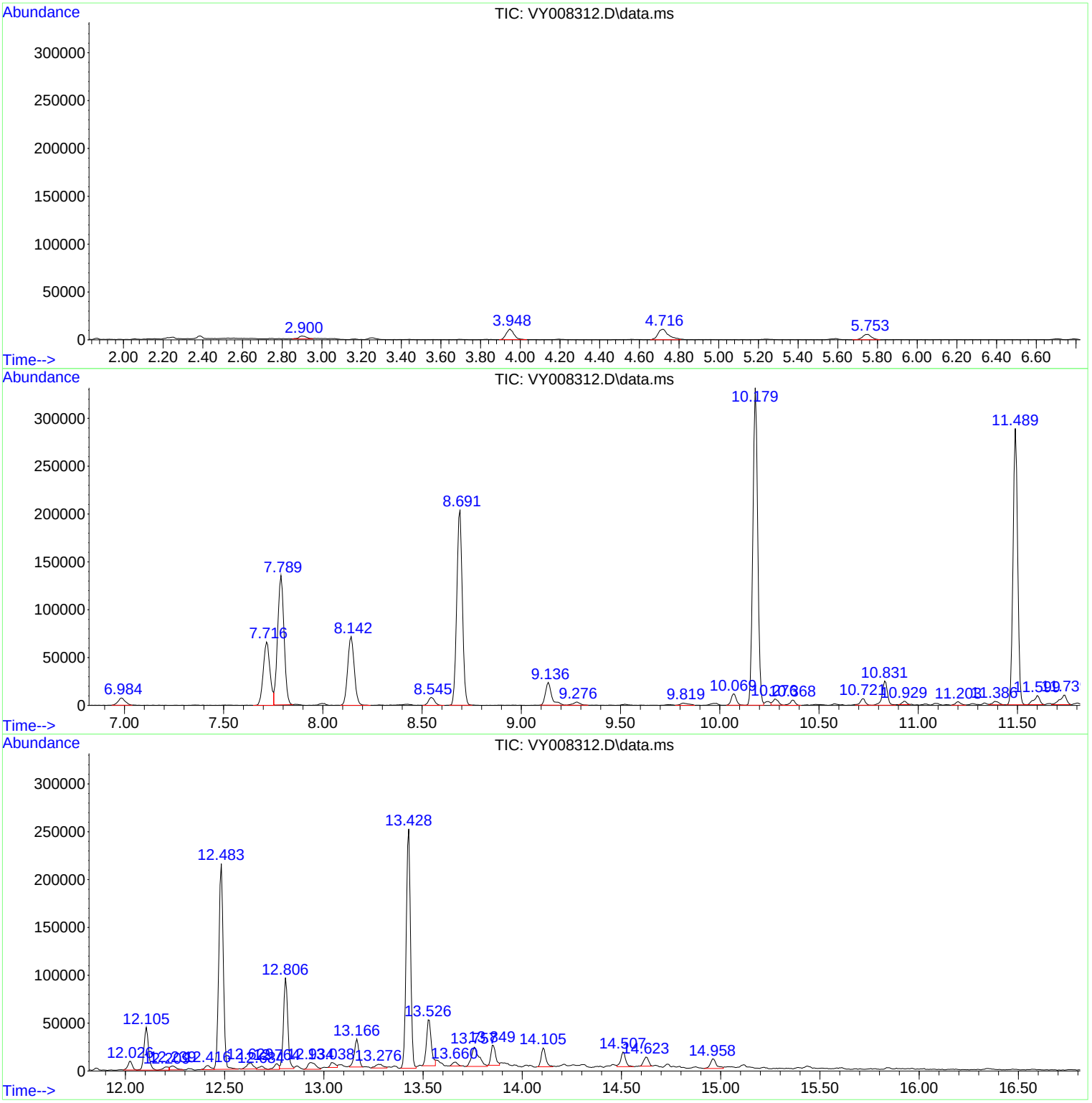
Sum of corrected areas: 3768345

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

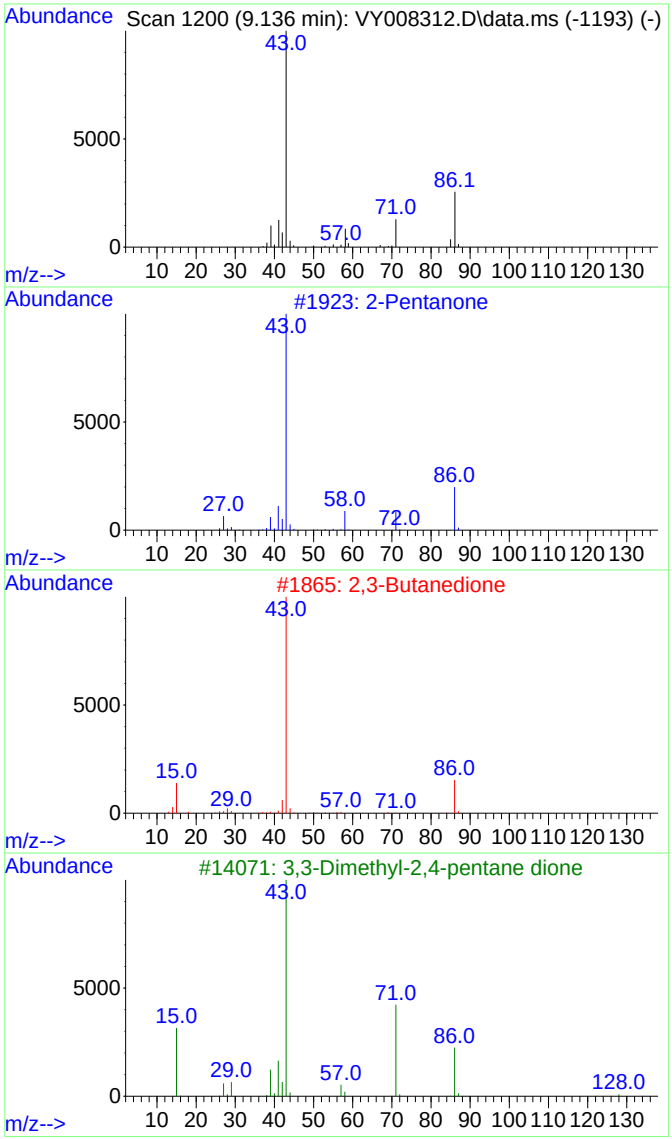
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260

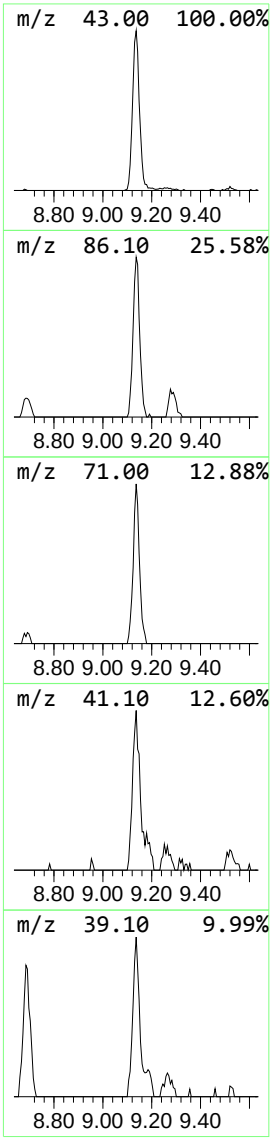
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Pentanone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.136 | 6.53 ug/l | 52003 | 1,4-Difluorobenzene | 8.691 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone | 86 | C5H10O | 000107-87-9 | 80 |
| 2 | 2,3-Butanedione | 86 | C4H6O2 | 000431-03-8 | 50 |
| 3 | 3,3-Dimethyl-2,4-pentane dione | 128 | C7H12O2 | 003142-58-3 | 33 |
| 4 | Butane | 58 | C4H10 | 000106-97-8 | 9 |
| 5 | 2-Butanone, 3-methyl- | 86 | C5H10O | 000563-80-4 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

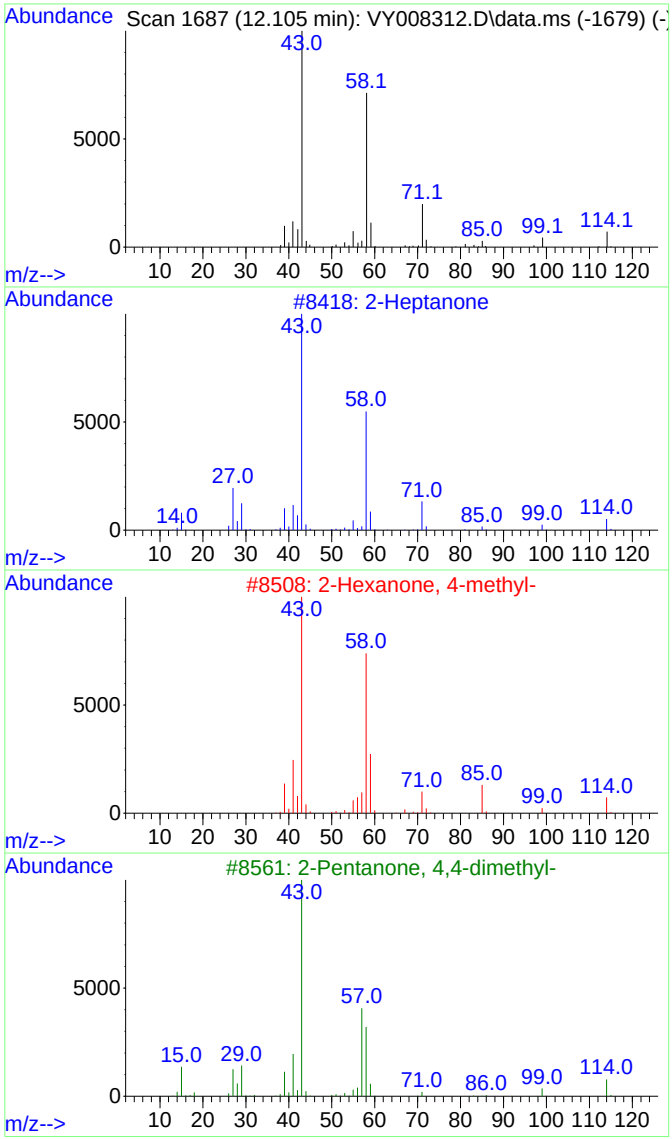
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260

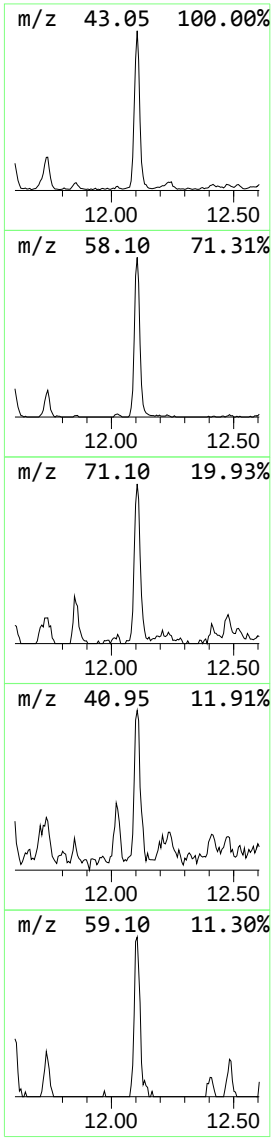
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 2-Heptanone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.105 | 7.70 ug/l | 71435 | Chlorobenzene-d5 | 11.489 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Heptanone | 114 | C7H14O | 000110-43-0 | 91 |
| 2 | 2-Hexanone, 4-methyl- | 114 | C7H14O | 000105-42-0 | 58 |
| 3 | 2-Pentanone, 4,4-dimethyl- | 114 | C7H14O | 000590-50-1 | 47 |
| 4 | 3-Oxetanol, 2,2,3-trimethyl- | 116 | C6H12O2 | 025910-96-7 | 40 |
| 5 | 3,4-Dimethyl-2-pentanone | 114 | C7H14O | 1000202-23-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

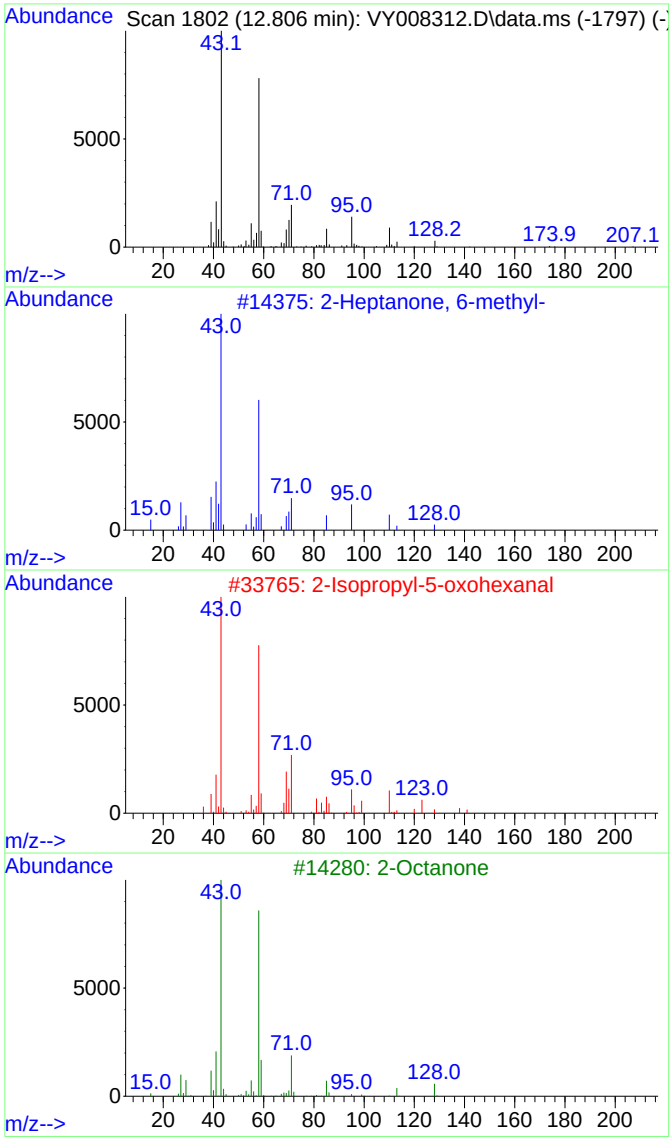
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260

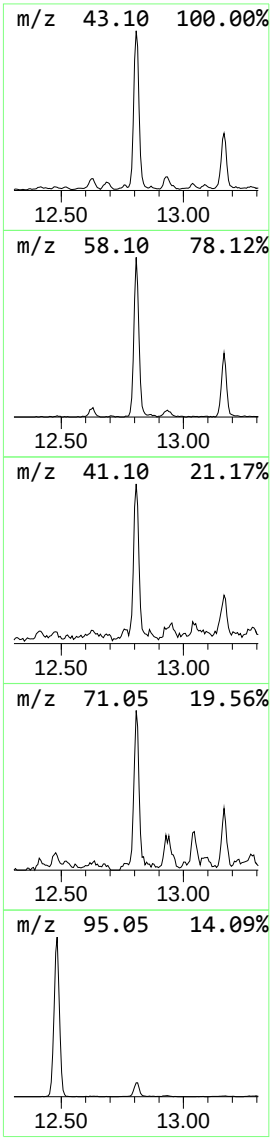
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2-Heptanone, 6-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.806 | 18.70 ug/l | 142033 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Heptanone, 6-methyl- | 128 | C8H16O | 000928-68-7 | 91 |
| 2 | 2-Isopropyl-5-oxohexanal | 156 | C9H16O2 | 015303-46-5 | 74 |
| 3 | 2-Octanone | 128 | C8H16O | 000111-13-7 | 64 |
| 4 | 2-Heptanone, 4-methyl- | 128 | C8H16O | 006137-06-0 | 42 |
| 5 | 1-Methyl-1-ethoxycyclobutane | 114 | C7H14O | 059416-06-7 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260

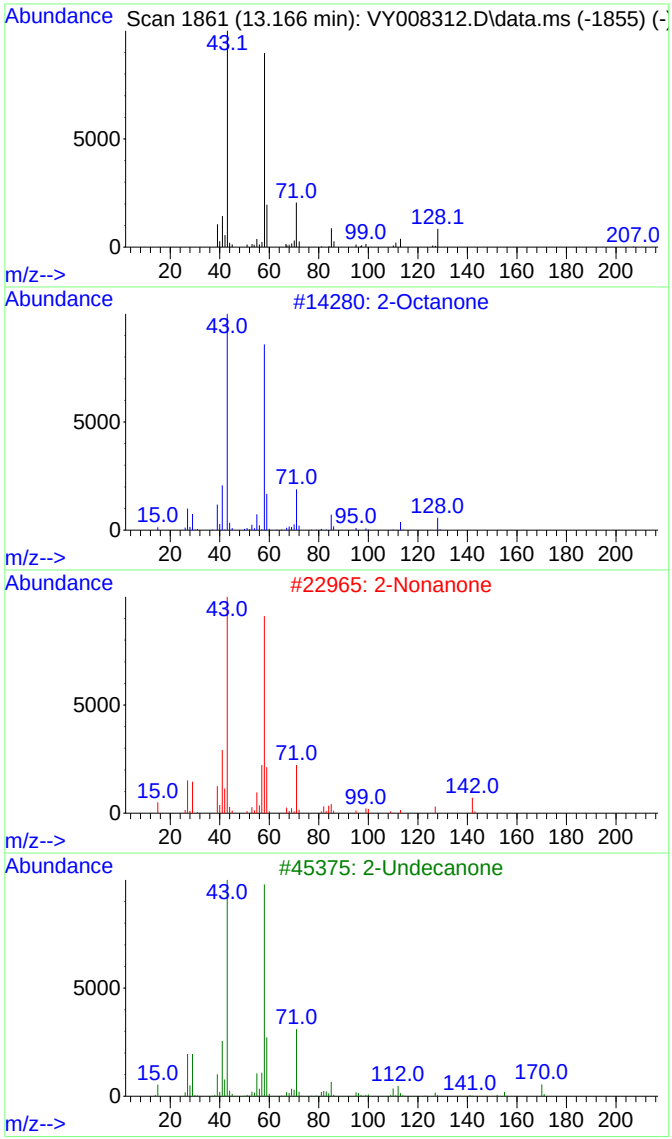
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

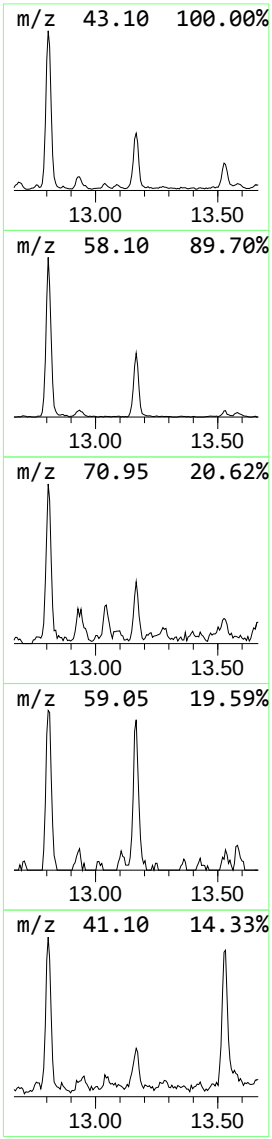
**********

Peak Number 5 2-Octanone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.166 | 5.94 ug/l | 45117 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Octanone | 128 | C8H16O | 000111-13-7 | 91 |
| 2 | 2-Nonanone | 142 | C9H18O | 000821-55-6 | 78 |
| 3 | 2-Undecanone | 170 | C11H22O | 000112-12-9 | 64 |
| 4 | Butanimidamide | 86 | C4H10N2 | 000107-90-4 | 59 |
| 5 | 5-Nonanone, 2,8-dimethyl- | 170 | C11H22O | 002050-99-9 | 56 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

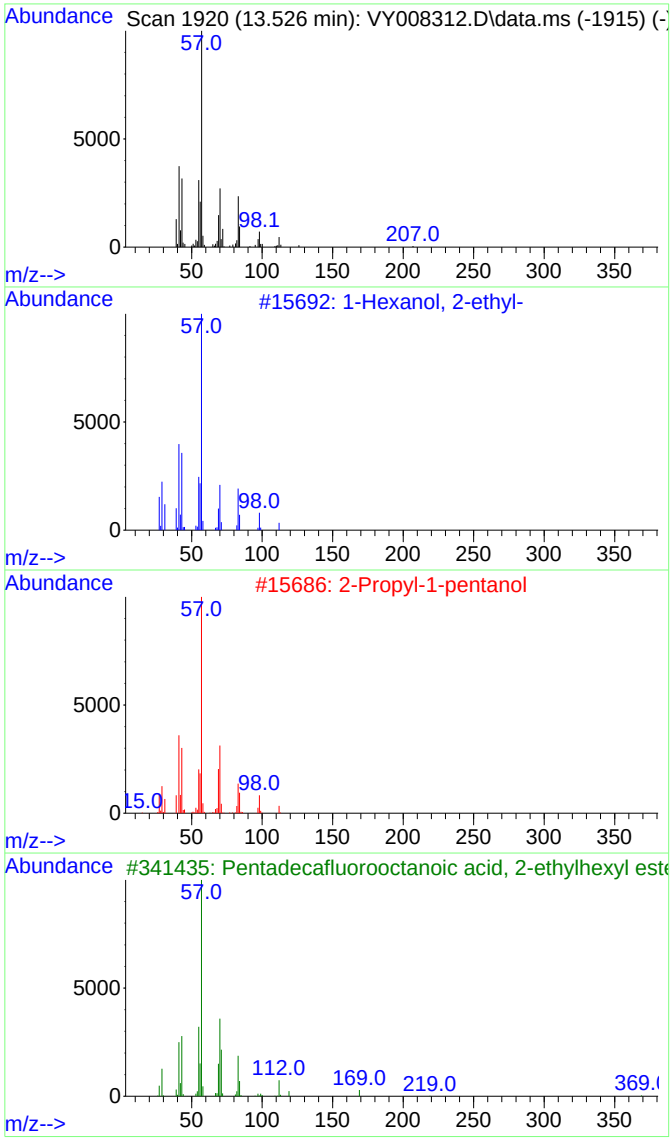
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260

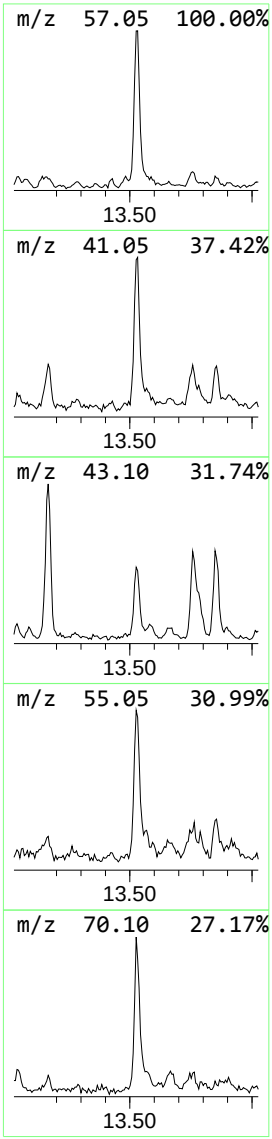
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.526 | 10.83 ug/l | 82278 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 86 |
| 2 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 64 |
| 3 | Pentadecafluorooctanoic acid, 2-... | 526 | C16H17F15O2 | 1000406-80-9 | 53 |
| 4 | Butyl tetradecyl ether | 270 | C18H38O | 1000406-40-4 | 50 |
| 5 | 1-Pentanol, 2-ethyl-4-methyl- | 130 | C8H18O | 000106-67-2 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

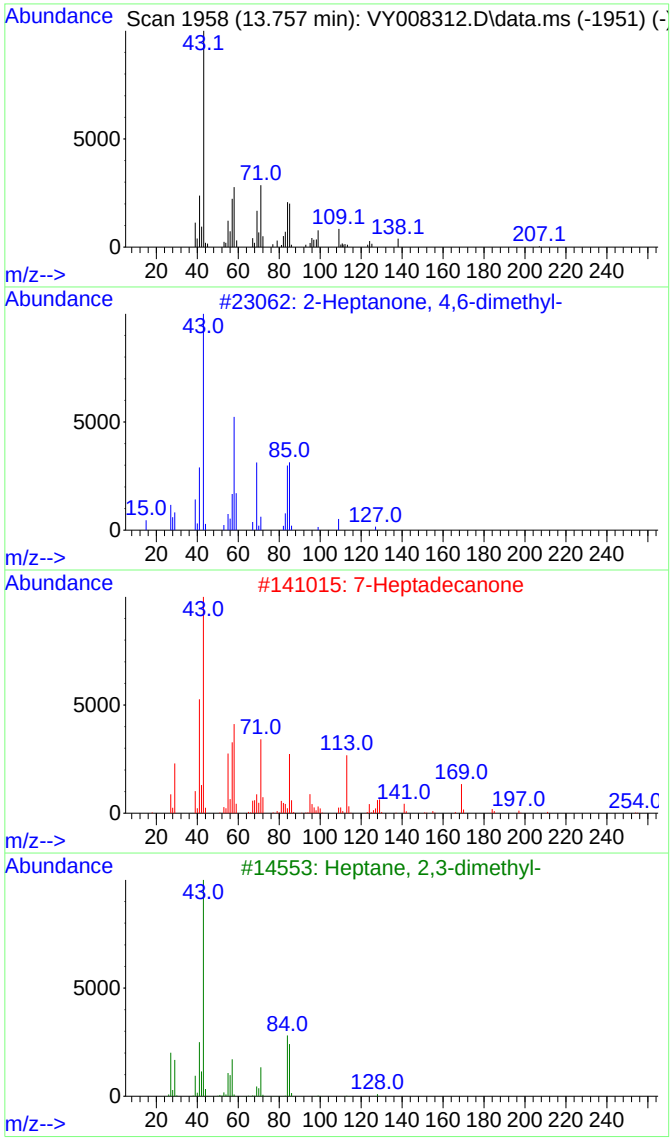
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260

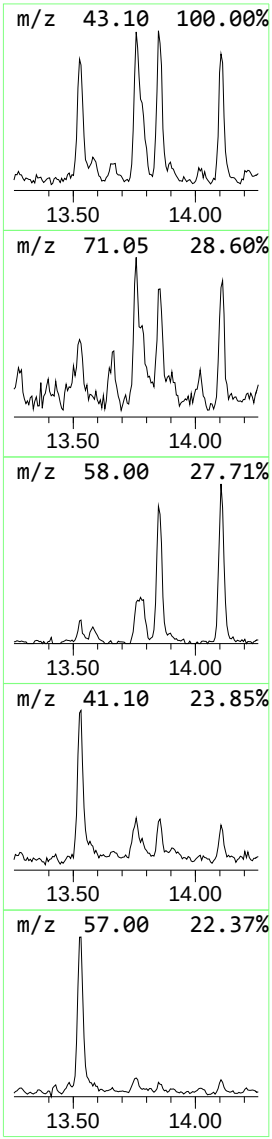
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 unknown13.757 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.757 | 6.88 ug/l | 52251 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Heptanone, 4,6-dimethyl- | 142 | C9H18O | 019549-80-5 | 47 |
| 2 | 7-Heptadecanone | 254 | C17H34O | 006064-42-2 | 38 |
| 3 | Heptane, 2,3-dimethyl- | 128 | C9H20 | 003074-71-3 | 35 |
| 4 | Octane, 4-methyl- | 128 | C9H20 | 002216-34-4 | 35 |
| 5 | Hexane, 2,3,5-trimethyl- | 128 | C9H20 | 001069-53-0 | 27 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
Data File : VY008312.D
Acq On : 13 Apr 2022 15:03
Operator : KP/MD
Sample : N2349-13
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
DEL-7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone | 9.136 | 6.5 | ug/l | 52003 | 2 | 8.691 | 398466 | 50.0 |
| 2-Heptanone | 12.105 | 7.7 | ug/l | 71435 | 3 | 11.489 | 463719 | 50.0 |
| 2-Heptanone, 6-... | 12.806 | 18.7 | ug/l | 142033 | 4 | 13.428 | 379794 | 50.0 |
| 2-Octanone | 13.166 | 5.9 | ug/l | 45117 | 4 | 13.428 | 379794 | 50.0 |
| 1-Hexanol, 2-et... | 13.526 | 10.8 | ug/l | 82278 | 4 | 13.428 | 379794 | 50.0 |
| unknown13.757 | 13.757 | 6.9 | ug/l | 52251 | 4 | 13.428 | 379794 | 50.0 |