LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

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_D\Method\82D031921S.M
Title : SW846 8260

Signal : TIC: VD068710.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.167 | 35 | 42 | 52 | rBV | 432012 | 581000 | 1.34% | 0.138% |
| 2 | 2.344 | 61 | 72 | 82 | rBV | 2966802 | 4678397 | 10.79% | 1.113% |
| 3 | 3.032 | 177 | 189 | 219 | rBV | 10781477 | 22867976 | 52.72% | 5.440% |
| 4 | 3.408 | 243 | 253 | 275 | rVB | 3798464 | 9511709 | 21.93% | 2.263% |
| 5 | 3.879 | 323 | 333 | 350 | rVB | 2757406 | 7161414 | 16.51% | 1.703% |
| 6 | 4.138 | 364 | 377 | 399 | rVB2 | 454565 | 1536170 | 3.54% | 0.365% |
| 7 | 4.949 | 502 | 515 | 519 | rVV2 | 1662694 | 5693660 | 13.13% | 1.354% |
| 8 | 5.014 | 520 | 526 | 555 | rVV4 | 3103672 | 13585775 | 31.32% | 3.232% |
| 9 | 5.491 | 590 | 607 | 635 | rBV2 | 2598708 | 9146881 | 21.09% | 2.176% |
| 10 | 5.808 | 649 | 661 | 677 | rVB2 | 209815 | 692750 | 1.60% | 0.165% |
| 11 | 5.996 | 679 | 693 | 711 | rBV | 1963942 | 5936756 | 13.69% | 1.412% |
| 12 | 6.343 | 731 | 752 | 764 | rBV | 1266600 | 3931602 | 9.06% | 0.935% |
| 13 | 6.485 | 764 | 776 | 786 | rBV2 | 558514 | 1703993 | 3.93% | 0.405% |
| 14 | 6.779 | 814 | 826 | 839 | rBV2 | 1168018 | 3438597 | 7.93% | 0.818% |
| 15 | 6.926 | 839 | 851 | 859 | rBV | 1551881 | 4635121 | 10.69% | 1.103% |
| 16 | 7.026 | 859 | 868 | 877 | rBV | 3037097 | 8471884 | 19.53% | 2.015% |
| 17 | 7.732 | 981 | 988 | 997 | rVB | 1054302 | 2575586 | 5.94% | 0.613% |
| 18 | 7.967 | 1008 | 1028 | 1038 | rBV6 | 3204513 | 11834018 | 27.28% | 2.815% |
| 19 | 8.067 | 1038 | 1045 | 1056 | rVB | 3402678 | 8463346 | 19.51% | 2.013% |
| 20 | 8.190 | 1056 | 1066 | 1074 | rBV | 3079407 | 7160353 | 16.51% | 1.703% |
| 21 | 8.355 | 1083 | 1094 | 1104 | rBV | 13954448 | 32219245 | 74.28% | 7.664% |
| 22 | 8.508 | 1104 | 1120 | 1131 | rBV | 16249243 | 43375424 | 100.00% | 10.318% |
| 23 | 8.602 | 1131 | 1136 | 1146 | rVB3 | 820541 | 1946857 | 4.49% | 0.463% |
| 24 | 8.720 | 1146 | 1156 | 1170 | rVB2 | 2091036 | 4624065 | 10.66% | 1.100% |
| 25 | 8.861 | 1170 | 1180 | 1186 | rBV2 | 2821057 | 6743090 | 15.55% | 1.604% |
| 26 | 9.020 | 1202 | 1207 | 1214 | rVB | 427831 | 800636 | 1.85% | 0.190% |
| 27 | 9.096 | 1214 | 1220 | 1223 | rBV2 | 336684 | 667298 | 1.54% | 0.159% |
| 28 | 9.137 | 1223 | 1227 | 1249 | rVB2 | 609237 | 1508851 | 3.48% | 0.359% |
| 29 | 9.355 | 1249 | 1264 | 1269 | rBV | 5170133 | 12359414 | 28.49% | 2.940% |
| 30 | 9.408 | 1269 | 1273 | 1280 | rVB | 2434679 | 4567074 | 10.53% | 1.086% |
| 31 | 9.490 | 1280 | 1287 | 1291 | rBV | 992249 | 1991686 | 4.59% | 0.474% |
| 32 | 9.537 | 1291 | 1295 | 1301 | rVB | 777029 | 1382546 | 3.19% | 0.329% |
| 33 | 9.631 | 1301 | 1311 | 1317 | rVB3 | 375374 | 985031 | 2.27% | 0.234% |
| 34 | 9.784 | 1328 | 1337 | 1346 | rVB | 10898256 | 21867592 | 50.41% | 5.202% |
| 35 | 9.914 | 1346 | 1359 | 1366 | rBV2 | 14797678 | 32068484 | 73.93% | 7.628% |
| 36 | 9.979 | 1366 | 1370 | 1374 | rBV | 1095421 | 1640166 | 3.78% | 0.390% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

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_D\Method\82D031921S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.114 | 1383 | 1393 | 1405 | rBV | 2028130 | 5139814 | 11.85% | 1.223% |
| 38 | 10.220 | 1405 | 1411 | 1414 | rBV | 577722 | 1003677 | 2.31% | 0.239% |
| 39 | 10.267 | 1414 | 1419 | 1425 | rVB2 | 1848730 | 3336484 | 7.69% | 0.794% |
| 40 | 10.337 | 1425 | 1431 | 1440 | rBV | 2511511 | 5018525 | 11.57% | 1.194% |
| 41 | 10.526 | 1455 | 1463 | 1469 | rVB5 | 1335319 | 2962474 | 6.83% | 0.705% |
| 42 | 10.678 | 1485 | 1489 | 1497 | rBV3 | 314692 | 749591 | 1.73% | 0.178% |
| 43 | 10.761 | 1497 | 1503 | 1515 | rVB5 | 862067 | 2532501 | 5.84% | 0.602% |
| 44 | 10.861 | 1515 | 1520 | 1526 | rVB2 | 328813 | 642529 | 1.48% | 0.153% |
| 45 | 10.949 | 1526 | 1535 | 1541 | rBV3 | 263092 | 650969 | 1.50% | 0.155% |
| 46 | 11.031 | 1541 | 1549 | 1560 | rBV3 | 717894 | 2404740 | 5.54% | 0.572% |
| 47 | 11.155 | 1566 | 1570 | 1573 | rVV2 | 324060 | 547453 | 1.26% | 0.130% |
| 48 | 11.190 | 1573 | 1576 | 1581 | rVV | 326516 | 566242 | 1.31% | 0.135% |
| 49 | 11.355 | 1599 | 1604 | 1607 | rVV2 | 278311 | 433783 | 1.00% | 0.103% |
| 50 | 11.426 | 1607 | 1616 | 1628 | rVB3 | 816425 | 2222414 | 5.12% | 0.529% |
| 51 | 11.525 | 1628 | 1633 | 1644 | rBV | 768214 | 1453971 | 3.35% | 0.346% |
| 52 | 11.643 | 1645 | 1653 | 1659 | rVV | 1847118 | 3291739 | 7.59% | 0.783% |
| 53 | 11.743 | 1661 | 1670 | 1679 | rVV | 8886223 | 14829335 | 34.19% | 3.527% |
| 54 | 11.855 | 1679 | 1689 | 1699 | rVV | 5239794 | 11097984 | 25.59% | 2.640% |
| 55 | 12.178 | 1733 | 1744 | 1752 | rBV3 | 390727 | 1091800 | 2.52% | 0.260% |
| 56 | 12.349 | 1763 | 1773 | 1777 | rBV4 | 172584 | 444755 | 1.03% | 0.106% |
| 57 | 12.478 | 1789 | 1795 | 1801 | rBV | 1821072 | 2980984 | 6.87% | 0.709% |
| 58 | 12.625 | 1813 | 1820 | 1831 | rVB2 | 1877264 | 3681600 | 8.49% | 0.876% |
| 59 | 12.820 | 1846 | 1853 | 1858 | rVB | 3536358 | 5663591 | 13.06% | 1.347% |
| 60 | 12.878 | 1858 | 1863 | 1866 | rVV | 720640 | 1188263 | 2.74% | 0.283% |
| 61 | 12.914 | 1866 | 1869 | 1872 | rVV | 1184157 | 1717861 | 3.96% | 0.409% |
| 62 | 12.955 | 1872 | 1876 | 1883 | rVB | 1681251 | 2706578 | 6.24% | 0.644% |
| 63 | 13.120 | 1895 | 1904 | 1911 | rBV | 806351 | 1413845 | 3.26% | 0.336% |
| 64 | 13.267 | 1922 | 1929 | 1935 | rVB | 6744486 | 10666054 | 24.59% | 2.537% |
| 65 | 13.396 | 1942 | 1951 | 1955 | rBV3 | 388708 | 1097307 | 2.53% | 0.261% |
| 66 | 13.602 | 1974 | 1986 | 1995 | rVB2 | 4134429 | 9416229 | 21.71% | 2.240% |
| 67 | 13.731 | 2002 | 2008 | 2011 | rBV | 730571 | 1217949 | 2.81% | 0.290% |
| 68 | 13.772 | 2011 | 2015 | 2019 | rVV | 2555780 | 4468915 | 10.30% | 1.063% |
| 69 | 13.808 | 2019 | 2021 | 2031 | rVV4 | 886833 | 1715038 | 3.95% | 0.408% |
| 70 | 13.967 | 2042 | 2048 | 2053 | rVV | 538881 | 838172 | 1.93% | 0.199% |
| 71 | 14.025 | 2053 | 2058 | 2061 | rVV | 509002 | 858670 | 1.98% | 0.204% |
| 72 | 14.055 | 2061 | 2063 | 2067 | rVV | 425598 | 540996 | 1.25% | 0.129% |
| 73 | 14.114 | 2067 | 2073 | 2079 | rVV | 1456374 | 2214759 | 5.11% | 0.527% |
| 74 | 14.225 | 2086 | 2092 | 2097 | rVB2 | 900419 | 1511175 | 3.48% | 0.359% |
| 75 | 14.355 | 2109 | 2114 | 2119 | rBV2 | 286741 | 442788 | 1.02% | 0.105% |
| 76 | 14.437 | 2119 | 2128 | 2131 | rBV | 515183 | 919093 | 2.12% | 0.219% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

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_D\Method\82D031921S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.472 | 2131 | 2134 | 2139 | rVB | 510933 | 724917 | 1.67% | 0.172% |
| 78 | 14.708 | 2169 | 2174 | 2178 | rBV | 300548 | 501353 | 1.16% | 0.119% |
| 79 | 14.825 | 2186 | 2194 | 2199 | rBV2 | 538863 | 1132893 | 2.61% | 0.269% |

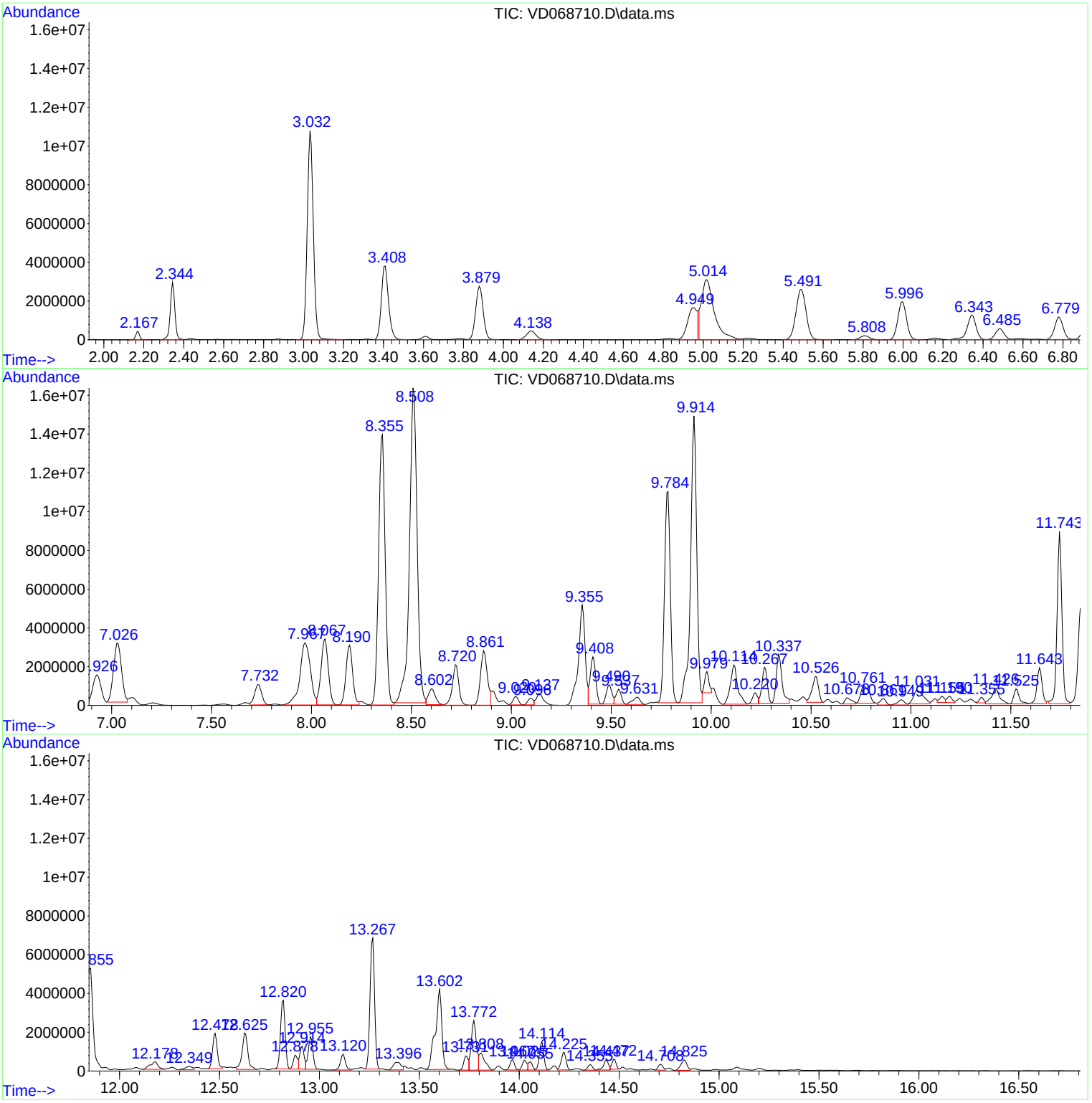
Sum of corrected areas: 420394257

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
B1-0-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
B1-0-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

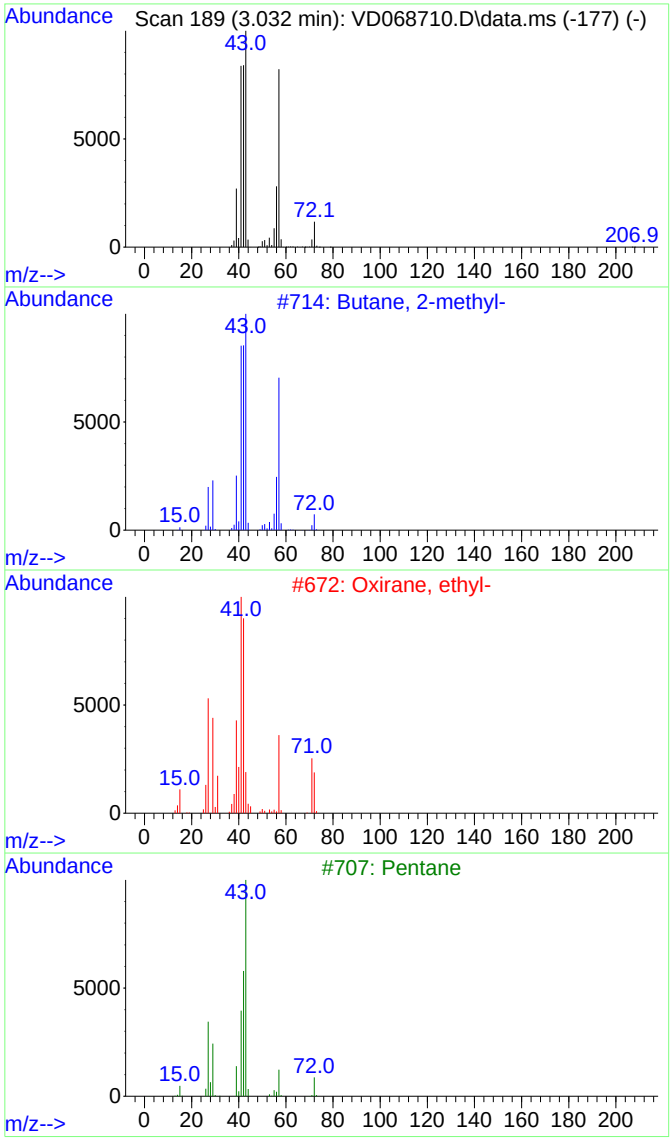
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

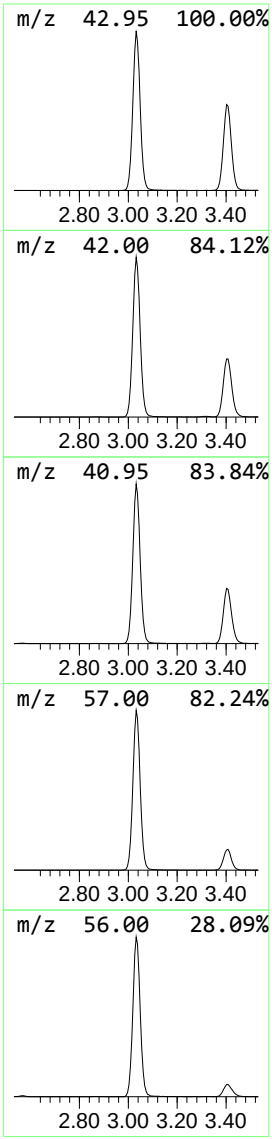
**********

Peak Number 1 Butane, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.032 | 96.62 ug/l | 22868000 | Pentafluorobenzene | 7.979 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 94 |
| 2 | Oxirane, ethyl- | 72 | C4H8O | 000106-88-7 | 47 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 42 |
| 4 | 1,3-Dimethyldiaziridine | 72 | C3H8N2 | 026177-36-6 | 33 |
| 5 | Oxirane, trimethyl- | 86 | C5H10O | 005076-19-7 | 33 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
B1-0-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

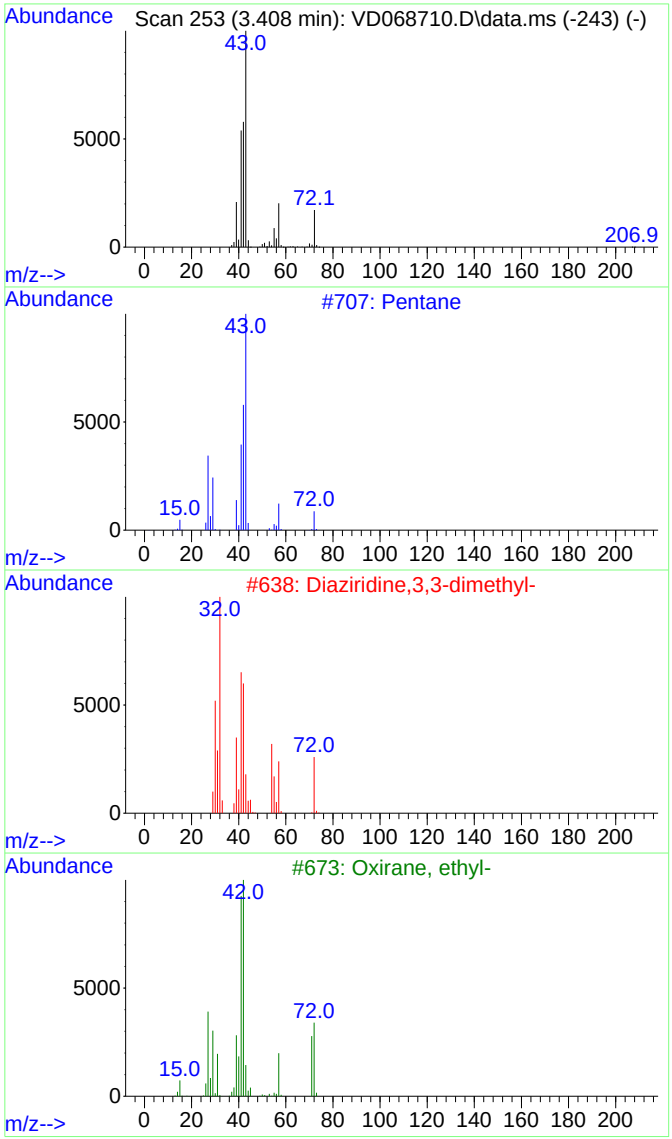
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

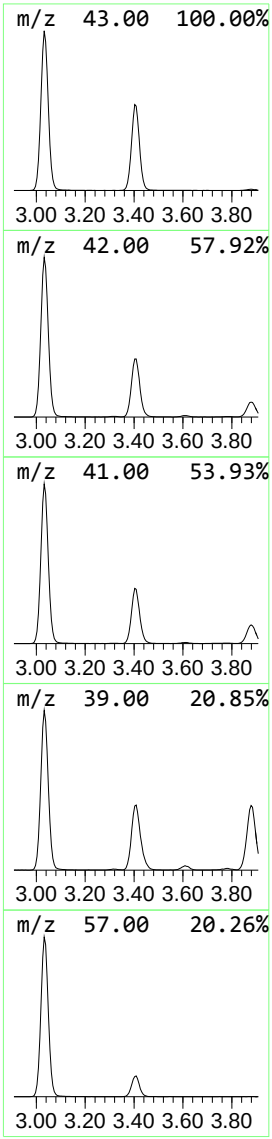
**********

Peak Number 2 Pentane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.408 | 40.19 ug/l | 9511710 | Pentafluorobenzene | 7.979 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane | 72 | C5H12 | 000109-66-0 | 86 |
| 2 | Diaziridine,3,3-dimethyl- | 72 | C3H8N2 | 004901-76-2 | 43 |
| 3 | Oxirane, ethyl- | 72 | C4H8O | 000106-88-7 | 40 |
| 4 | 2-Butanone | 72 | C4H8O | 000078-93-3 | 16 |
| 5 | Butanal, 2-ethyl- | 100 | C6H12O | 000097-96-1 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

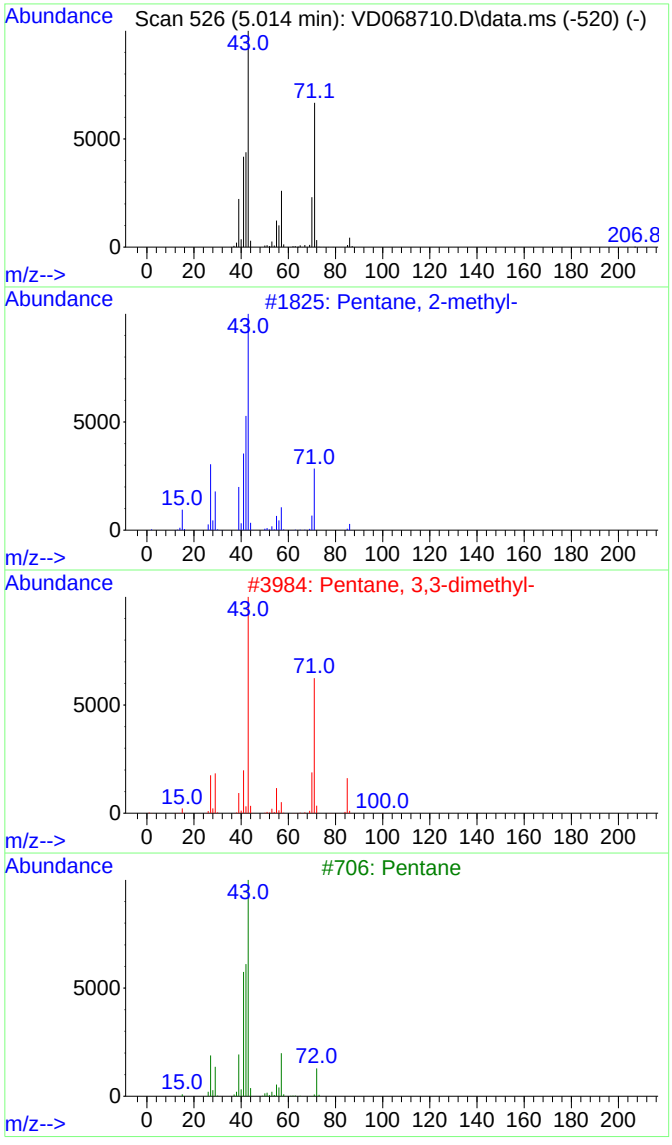
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

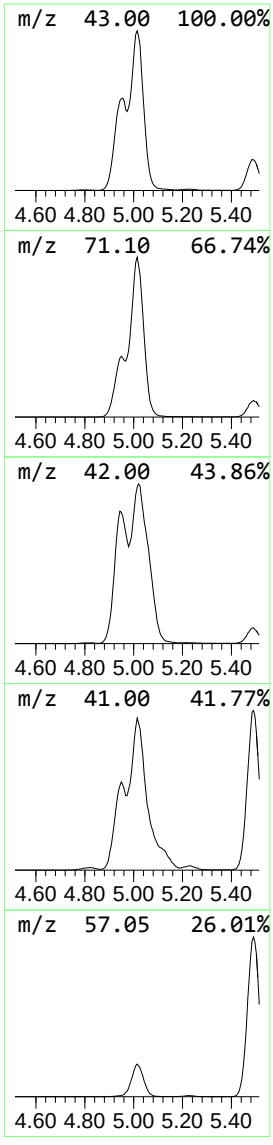
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Pentane, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.014 | 57.40 ug/l | 13585800 | Pentafluorobenzene | 7.979 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 53 |
| 2 | Pentane, 3,3-dimethyl- | 100 | C7H16 | 000562-49-2 | 47 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 38 |
| 4 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 38 |
| 5 | Furan, tetrahydro-2-methyl- | 86 | C5H10O | 000096-47-9 | 33 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
B1-0-2

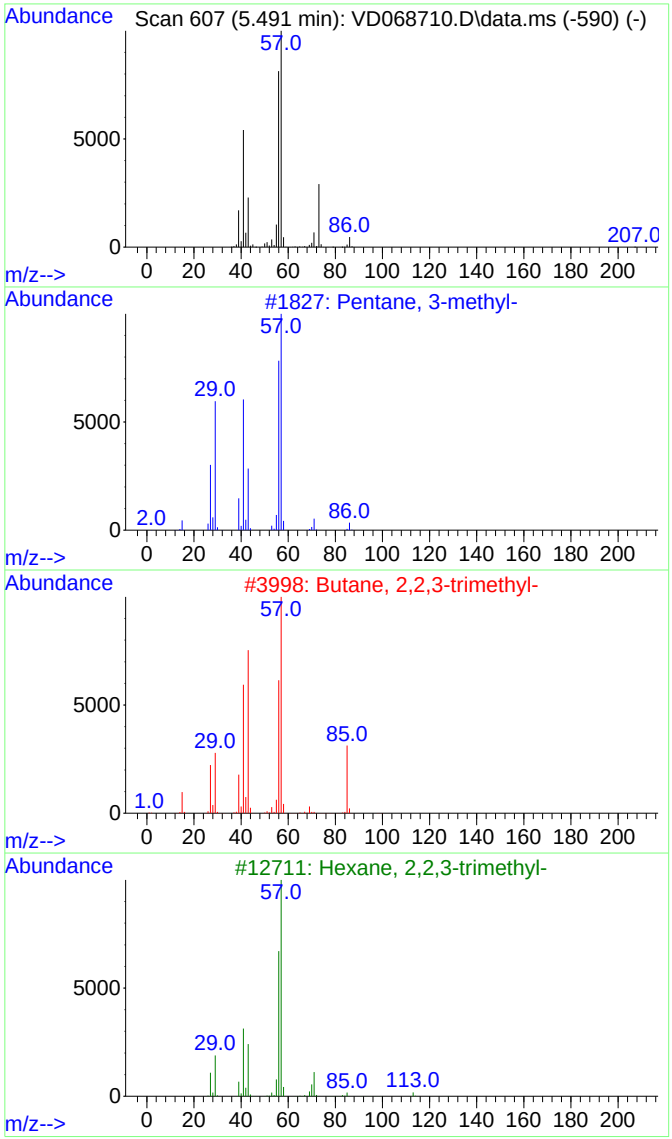
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

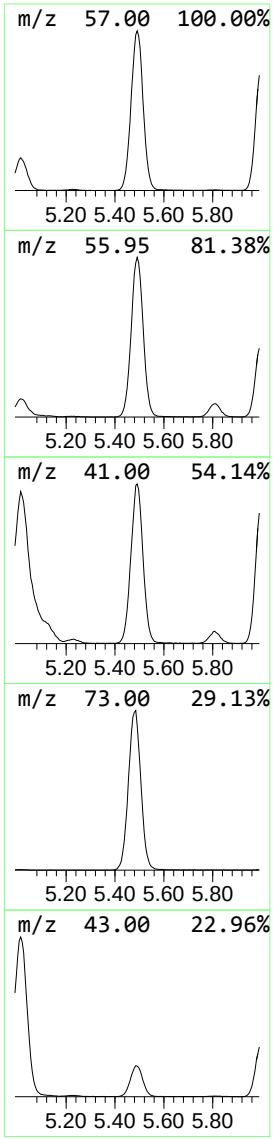
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Pentane, 3-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.491 | 38.65 ug/l | 9146880 | Pentafluorobenzene | 7.979 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 83 |
| 2 | Butane, 2,2,3-trimethyl- | 100 | C7H16 | 000464-06-2 | 64 |
| 3 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 50 |
| 4 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 50 |
| 5 | Butyl isocyanatoacetate | 157 | C7H11NO3 | 017046-22-9 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

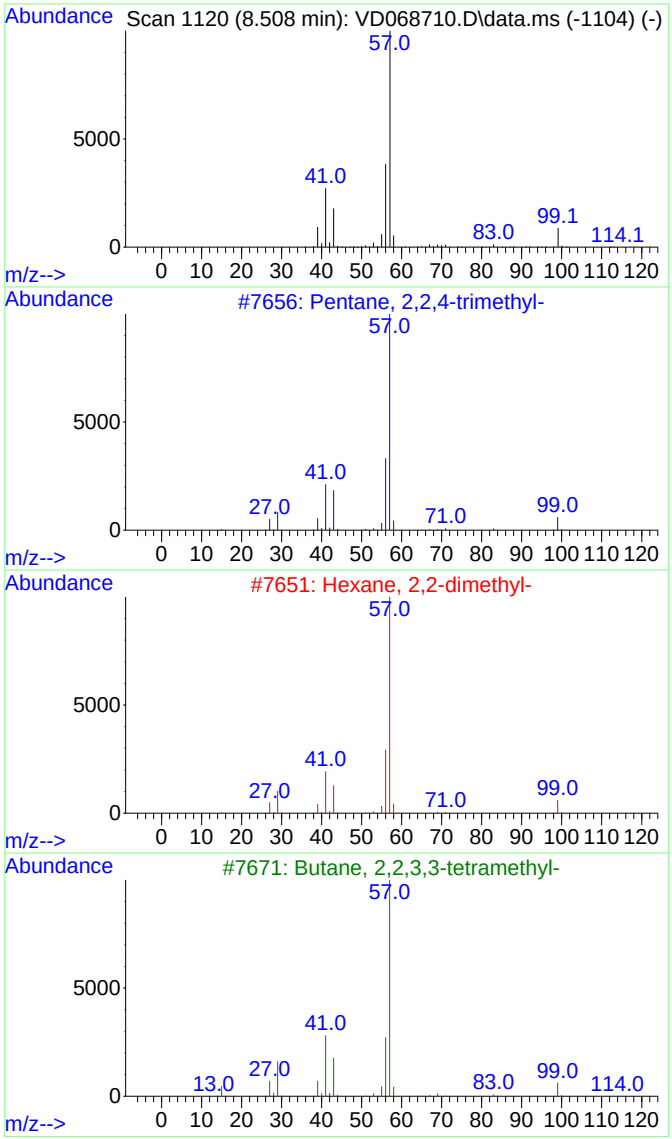
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

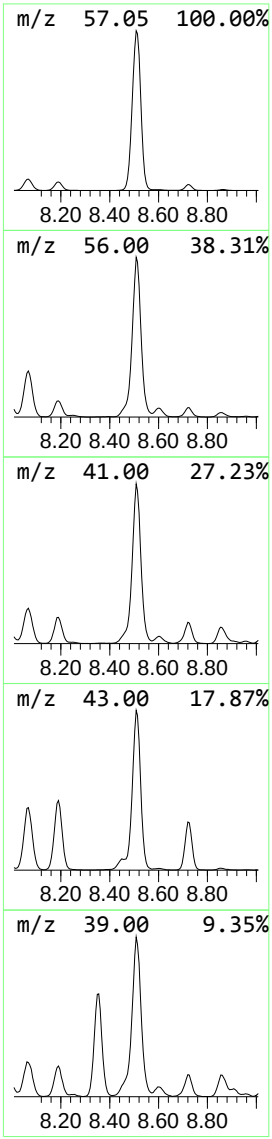
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Pentane, 2,2,4-trimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.508 | 321.63 ug/l | 43375400 | 1,4-Difluorobenzene | 8.867 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 83 |
| 2 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 83 |
| 3 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 72 |
| 4 | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20 | 001070-87-7 | 64 |
| 5 | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26 | 013475-82-6 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

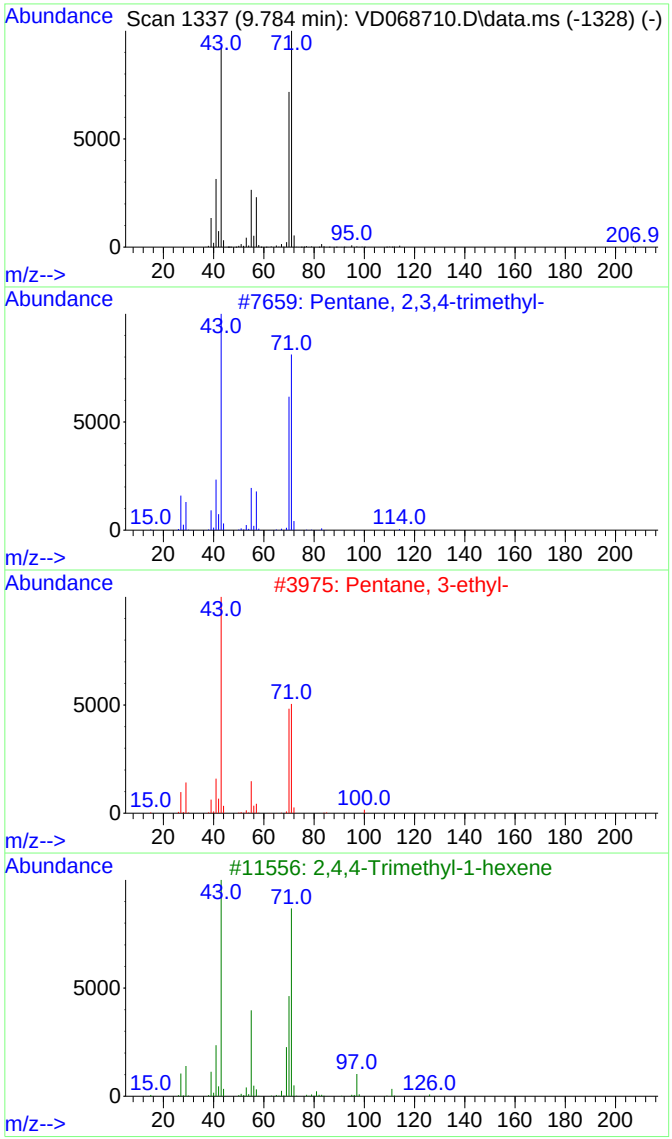
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

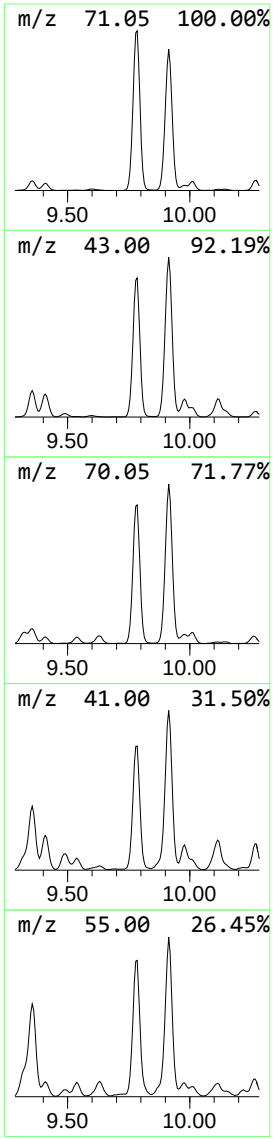
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.784 | 162.15 ug/l | 21867600 | 1,4-Difluorobenzene | 8.867 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 91 |
| 2 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 83 |
| 3 | 2,4,4-Trimethyl-1-hexene | 126 | C9H18 | 051174-12-0 | 78 |
| 4 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 78 |
| 5 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

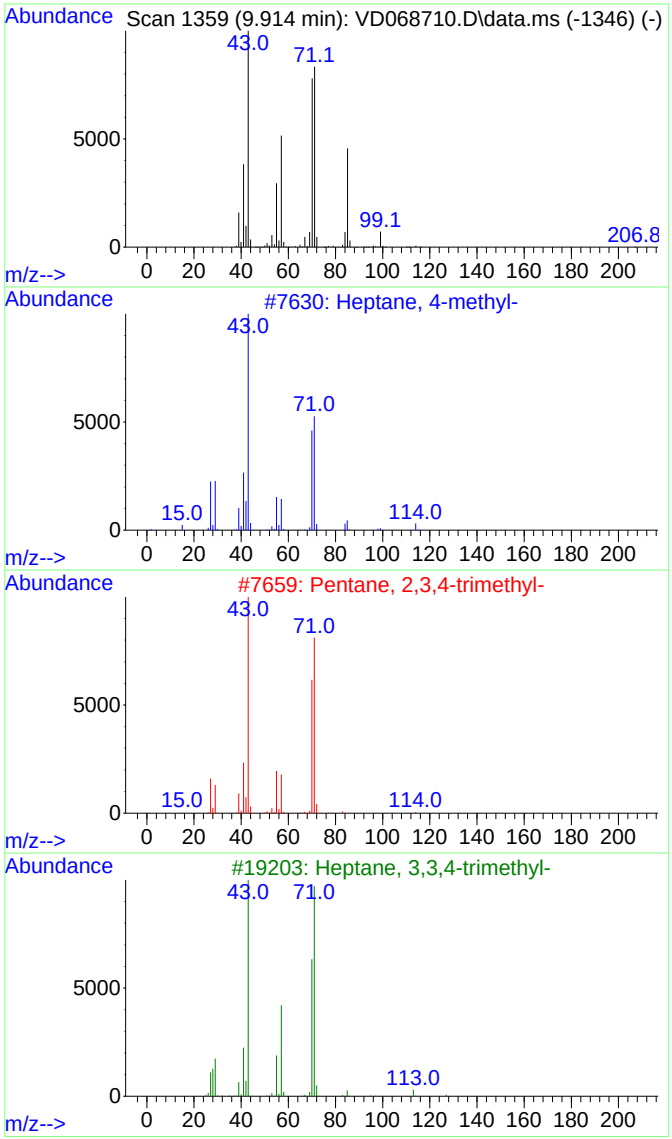
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

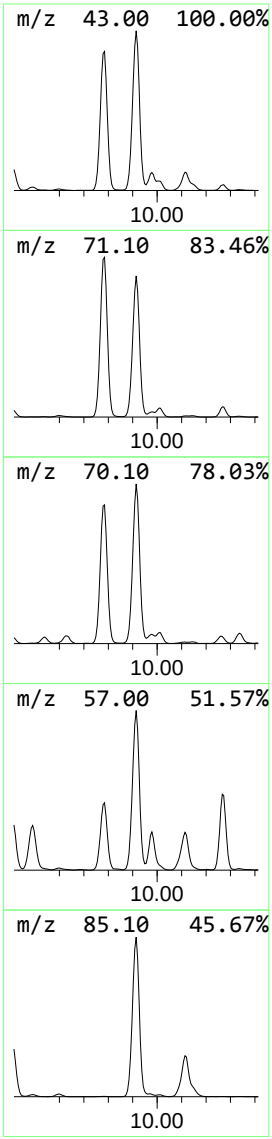
**********

Peak Number 7 Heptane, 4-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.914 | 237.79 ug/l | 32068500 | 1,4-Difluorobenzene | 8.867 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 83 |
| 2 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 72 |
| 3 | Heptane, 3,3,4-trimethyl- | 142 | C10H22 | 020278-87-9 | 64 |
| 4 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 59 |
| 5 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
B1-0-2

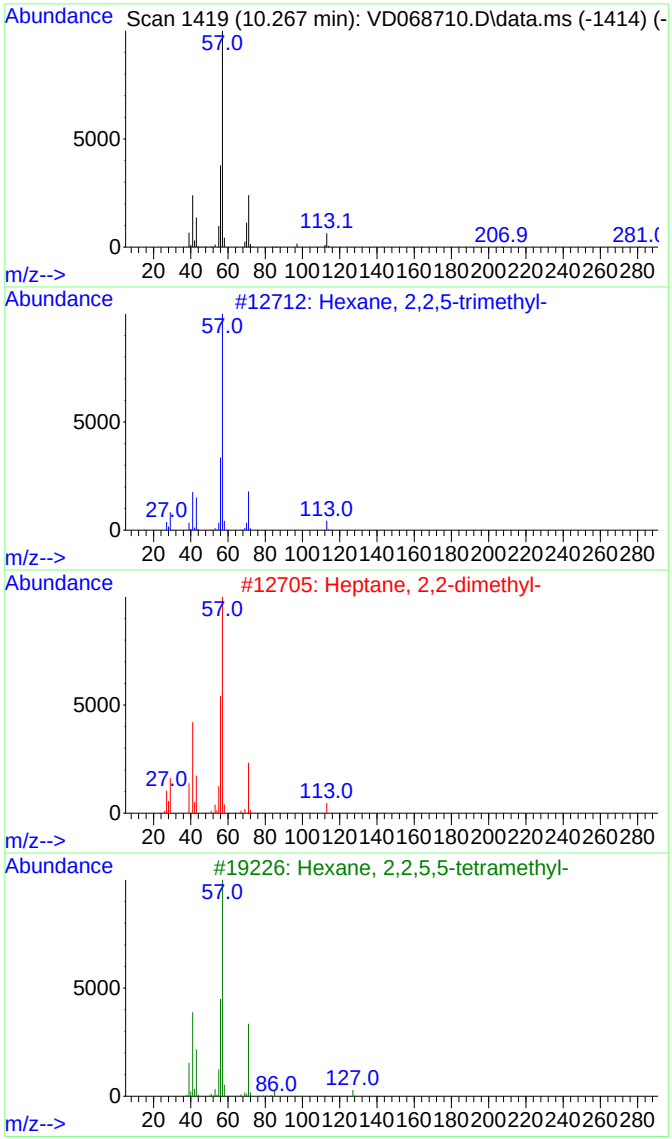
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

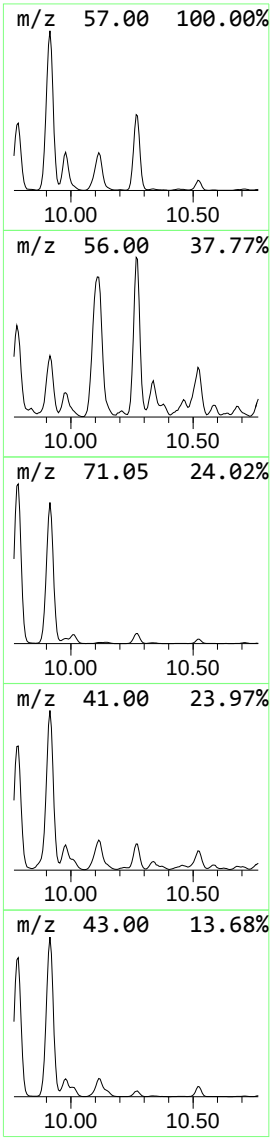
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Hexane, 2,2,5-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.267 | 50.68 ug/l | 3336480 | Chlorobenzene-d5 | 11.643 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,2,5-trimethyl- | 128 | C9H20 | 003522-94-9 | 72 |
| 2 | Heptane, 2,2-dimethyl- | 128 | C9H20 | 001071-26-7 | 64 |
| 3 | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22 | 001071-81-4 | 59 |
| 4 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 59 |
| 5 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

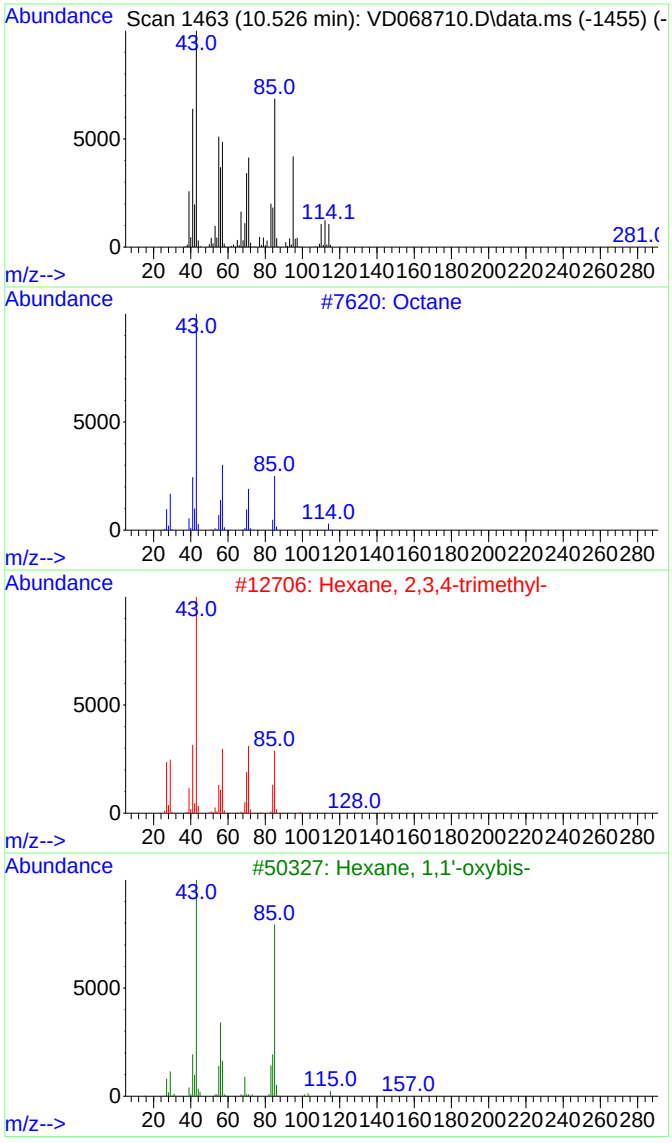
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

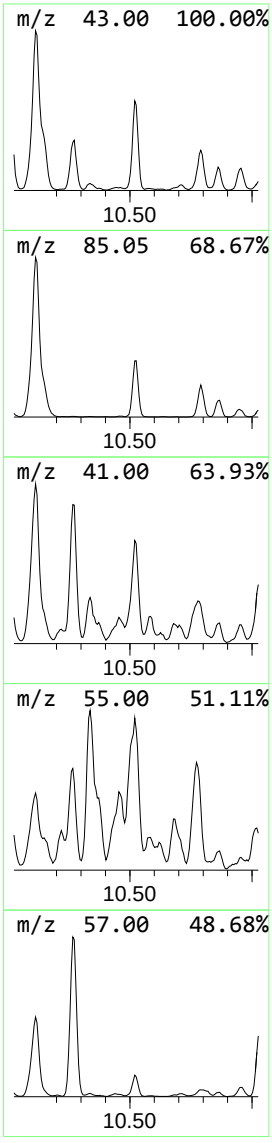
**********

Peak Number 9 unknown10.526 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.526 | 45.00 ug/l | 2962470 | Chlorobenzene-d5 | 11.643 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane | 114 | C8H18 | 000111-65-9 | 49 |
| 2 | Hexane, 2,3,4-trimethyl- | 128 | C9H20 | 000921-47-1 | 35 |
| 3 | Hexane, 1,1'-oxybis- | 186 | C12H26O | 000112-58-3 | 22 |
| 4 | 1-Decanol, 10-[(tetrahydro-2H-py... | 258 | C15H30O3 | 043047-93-4 | 22 |
| 5 | 1-Butanol, 2-ethyl- | 102 | C6H14O | 000097-95-0 | 22 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
B1-0-2

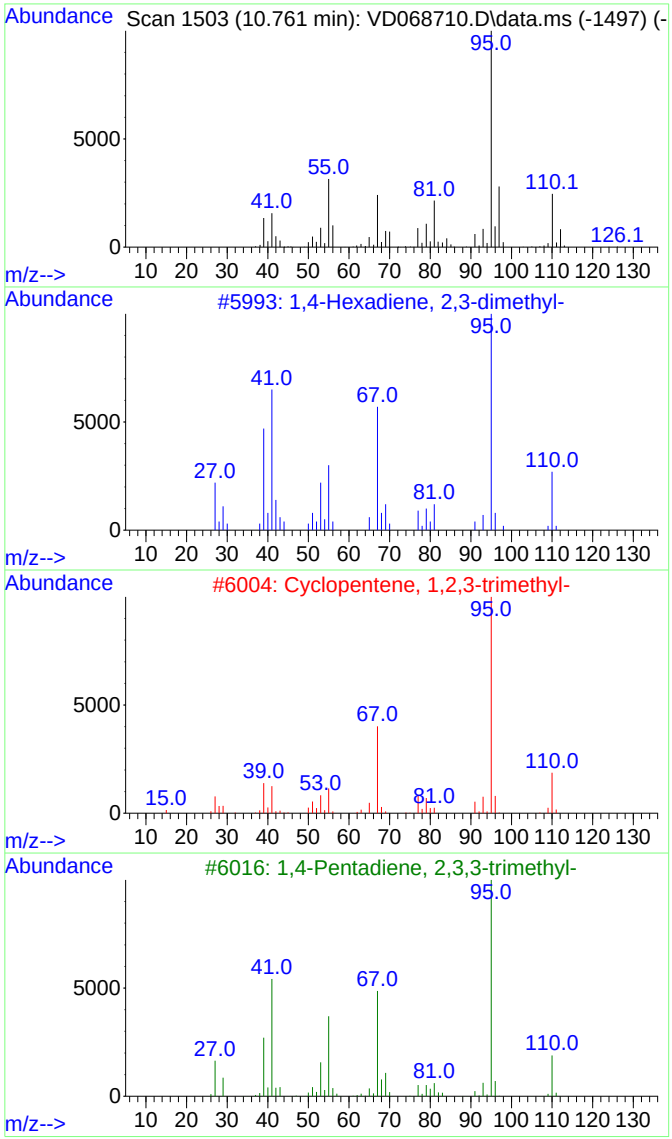
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

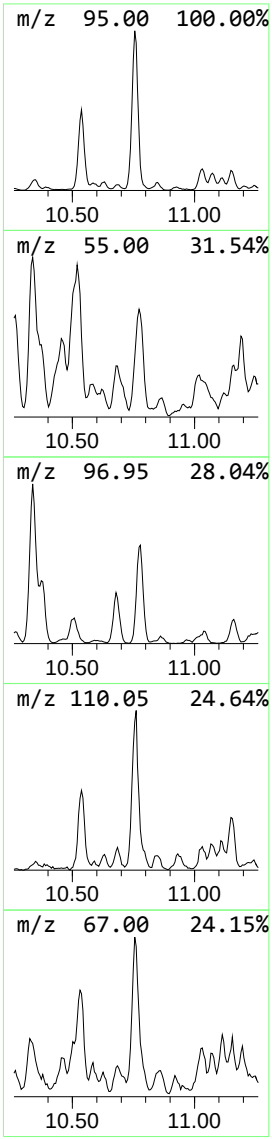
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 1,4-Hexadiene, 2,3-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.761 | 38.47 ug/l | 2532500 | Chlorobenzene-d5 | 11.643 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Hexadiene, 2,3-dimethyl- | 110 | C8H14 | 018669-52-8 | 76 |
| 2 | Cyclopentene, 1,2,3-trimethyl- | 110 | C8H14 | 000473-91-6 | 68 |
| 3 | 1,4-Pentadiene, 2,3,3-trimethyl- | 110 | C8H14 | 000756-02-5 | 59 |
| 4 | Bicyclo[3.1.0]hexane, 1,5-dimethyl- | 110 | C8H14 | 1000142-17-5 | 59 |
| 5 | 1,3-Dimethyl-1-cyclohexene | 110 | C8H14 | 002808-76-6 | 58 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068710.D
Acq On : 29 Mar 2021 20:50
Operator : VA/SY
Sample : M1836-01
Misc : 8.84G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B1-0-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methyl- | 3.032 | 96.6 | ug/l | 22868000 | 1 | 7.979 | 11834000 | 50.0 |
| Pentane | 3.408 | 40.2 | ug/l | 9511710 | 1 | 7.979 | 11834000 | 50.0 |
| Pentane, 2-methyl- | 5.014 | 57.4 | ug/l | 13585800 | 1 | 7.979 | 11834000 | 50.0 |
| Pentane, 3-methyl- | 5.491 | 38.6 | ug/l | 9146880 | 1 | 7.979 | 11834000 | 50.0 |
| Pentane, 2,2,4-... | 8.508 | 321.6 | ug/l | 43375400 | 2 | 8.867 | 6743090 | 50.0 |
| Pentane, 2,3,4-... | 9.784 | 162.2 | ug/l | 21867600 | 2 | 8.867 | 6743090 | 50.0 |
| Heptane, 4-methyl- | 9.914 | 237.8 | ug/l | 32068500 | 2 | 8.867 | 6743090 | 50.0 |
| Hexane, 2,2,5-t... | 10.267 | 50.7 | ug/l | 3336480 | 3 | 11.643 | 3291740 | 50.0 |
| unknown10.526 | 10.526 | 45.0 | ug/l | 2962470 | 3 | 11.643 | 3291740 | 50.0 |
| 1,4-Hexadiene, ... | 10.761 | 38.5 | ug/l | 2532500 | 3 | 11.643 | 3291740 | 50.0 |