LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-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_X\Method\82X031023W.M
Title : SW846 8260

Signal : TIC: VX034812.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.264 | 25 | 29 | 39 | rBV | 48079 | 47957 | 2.53% | 0.287% |
| 2 | 1.374 | 43 | 47 | 52 | rVV | 244916 | 258697 | 13.65% | 1.547% |
| 3 | 1.416 | 52 | 54 | 59 | rVB | 20454 | 22469 | 1.19% | 0.134% |
| 4 | 1.752 | 103 | 109 | 123 | rVB | 1451118 | 1894742 | 100.00% | 11.331% |
| 5 | 1.959 | 137 | 143 | 155 | rVB | 227848 | 332716 | 17.56% | 1.990% |
| 6 | 2.215 | 181 | 185 | 190 | rVB | 14936 | 22927 | 1.21% | 0.137% |
| 7 | 2.343 | 197 | 206 | 218 | rBV | 76532 | 153860 | 8.12% | 0.920% |
| 8 | 2.782 | 270 | 278 | 282 | rBV | 153906 | 333560 | 17.60% | 1.995% |
| 9 | 2.825 | 282 | 285 | 297 | rVB2 | 149643 | 296926 | 15.67% | 1.776% |
| 10 | 3.105 | 320 | 331 | 344 | rBV | 205578 | 464353 | 24.51% | 2.777% |
| 11 | 3.446 | 379 | 387 | 397 | rBV | 26125 | 55948 | 2.95% | 0.335% |
| 12 | 3.837 | 443 | 451 | 461 | rBV3 | 11987 | 31825 | 1.68% | 0.190% |
| 13 | 4.214 | 502 | 513 | 518 | rBV2 | 11047 | 30598 | 1.61% | 0.183% |
| 14 | 4.306 | 518 | 528 | 539 | rVB2 | 140466 | 401946 | 21.21% | 2.404% |
| 15 | 4.434 | 539 | 549 | 550 | rBV4 | 11238 | 23417 | 1.24% | 0.140% |
| 16 | 5.123 | 649 | 662 | 671 | rBV6 | 9073 | 42531 | 2.24% | 0.254% |
| 17 | 5.385 | 692 | 705 | 713 | rBV | 195378 | 568710 | 30.02% | 3.401% |
| 18 | 5.470 | 713 | 719 | 724 | rVV2 | 41063 | 104157 | 5.50% | 0.623% |
| 19 | 5.550 | 724 | 732 | 741 | rVV | 311900 | 825519 | 43.57% | 4.937% |
| 20 | 5.842 | 766 | 780 | 790 | rBV5 | 39752 | 134773 | 7.11% | 0.806% |
| 21 | 5.952 | 790 | 798 | 810 | rBV | 230738 | 600140 | 31.67% | 3.589% |
| 22 | 6.159 | 824 | 832 | 841 | rBV4 | 36275 | 113722 | 6.00% | 0.680% |
| 23 | 6.257 | 841 | 848 | 856 | rVV2 | 38628 | 108879 | 5.75% | 0.651% |
| 24 | 6.354 | 856 | 864 | 876 | rVB2 | 53486 | 152326 | 8.04% | 0.911% |
| 25 | 6.763 | 921 | 931 | 941 | rBV | 533186 | 1305525 | 68.90% | 7.807% |
| 26 | 7.171 | 991 | 998 | 1007 | rVB3 | 16204 | 35526 | 1.87% | 0.212% |
| 27 | 7.372 | 1019 | 1031 | 1044 | rVB3 | 106945 | 289449 | 15.28% | 1.731% |
| 28 | 7.659 | 1072 | 1078 | 1089 | rVV5 | 12261 | 26783 | 1.41% | 0.160% |
| 29 | 7.775 | 1089 | 1097 | 1104 | rVB | 35287 | 71478 | 3.77% | 0.427% |
| 30 | 7.952 | 1121 | 1126 | 1141 | rVB8 | 14825 | 54704 | 2.89% | 0.327% |
| 31 | 8.104 | 1143 | 1151 | 1155 | rBV2 | 13011 | 28843 | 1.52% | 0.172% |
| 32 | 8.226 | 1161 | 1171 | 1176 | rVB9 | 7397 | 19625 | 1.04% | 0.117% |
| 33 | 8.317 | 1176 | 1186 | 1193 | rBV4 | 30154 | 64036 | 3.38% | 0.383% |
| 34 | 8.506 | 1211 | 1217 | 1225 | rVB4 | 16508 | 35952 | 1.90% | 0.215% |
| 35 | 8.604 | 1225 | 1233 | 1235 | rBV2 | 28904 | 53910 | 2.85% | 0.322% |
| 36 | 8.647 | 1235 | 1240 | 1247 | rVV | 1128357 | 1756933 | 92.73% | 10.507% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-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_X\Method\82X031023W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.720 | 1247 | 1252 | 1257 | rVV | 100644 | 165380 | 8.73% | 0.989% |
| 38 | 8.775 | 1257 | 1261 | 1265 | rVB | 30773 | 49206 | 2.60% | 0.294% |
| 39 | 8.921 | 1281 | 1285 | 1289 | rBV2 | 13947 | 23008 | 1.21% | 0.138% |
| 40 | 8.976 | 1289 | 1294 | 1300 | rVB | 91966 | 145853 | 7.70% | 0.872% |
| 41 | 9.098 | 1306 | 1314 | 1319 | rBV | 23798 | 42795 | 2.26% | 0.256% |
| 42 | 9.159 | 1319 | 1324 | 1335 | rVB | 50341 | 86721 | 4.58% | 0.519% |
| 43 | 9.427 | 1364 | 1368 | 1371 | rBV3 | 14754 | 23597 | 1.25% | 0.141% |
| 44 | 9.506 | 1377 | 1381 | 1386 | rVB2 | 26159 | 43564 | 2.30% | 0.261% |
| 45 | 9.659 | 1402 | 1406 | 1416 | rVB3 | 18019 | 35690 | 1.88% | 0.213% |
| 46 | 9.762 | 1416 | 1423 | 1430 | rBV6 | 15657 | 31722 | 1.67% | 0.190% |
| 47 | 9.835 | 1430 | 1435 | 1444 | rBV2 | 17874 | 34839 | 1.84% | 0.208% |
| 48 | 10.055 | 1465 | 1471 | 1477 | rVV | 1090734 | 1512910 | 79.85% | 9.048% |
| 49 | 10.122 | 1479 | 1482 | 1486 | rVV | 20690 | 35772 | 1.89% | 0.214% |
| 50 | 10.195 | 1489 | 1494 | 1503 | rVV | 29365 | 52845 | 2.79% | 0.316% |
| 51 | 10.299 | 1503 | 1511 | 1518 | rVB | 94009 | 168994 | 8.92% | 1.011% |
| 52 | 10.457 | 1531 | 1537 | 1546 | rVB2 | 19291 | 37804 | 2.00% | 0.226% |
| 53 | 10.585 | 1551 | 1558 | 1564 | rBV5 | 20893 | 58533 | 3.09% | 0.350% |
| 54 | 10.646 | 1564 | 1568 | 1573 | rVV2 | 21639 | 30926 | 1.63% | 0.185% |
| 55 | 10.780 | 1579 | 1590 | 1593 | rBV4 | 19937 | 41052 | 2.17% | 0.245% |
| 56 | 10.860 | 1598 | 1603 | 1610 | rVV9 | 9188 | 20740 | 1.09% | 0.124% |
| 57 | 11.079 | 1634 | 1639 | 1645 | rBV | 900765 | 1173539 | 61.94% | 7.018% |
| 58 | 11.122 | 1645 | 1646 | 1650 | rVB3 | 20277 | 21337 | 1.13% | 0.128% |
| 59 | 11.384 | 1684 | 1689 | 1697 | rBV | 25774 | 58688 | 3.10% | 0.351% |
| 60 | 11.616 | 1723 | 1727 | 1734 | rVB | 22029 | 32173 | 1.70% | 0.192% |
| 61 | 11.750 | 1745 | 1749 | 1755 | rVB | 55790 | 70907 | 3.74% | 0.424% |
| 62 | 11.890 | 1769 | 1772 | 1777 | rVB | 14800 | 19964 | 1.05% | 0.119% |
| 63 | 12.018 | 1788 | 1793 | 1801 | rBV | 1034113 | 1385510 | 73.12% | 8.286% |
| 64 | 12.250 | 1825 | 1831 | 1832 | rBV2 | 24198 | 33402 | 1.76% | 0.200% |
| 65 | 12.268 | 1832 | 1834 | 1837 | rVV | 23894 | 26856 | 1.42% | 0.161% |
| 66 | 12.317 | 1837 | 1842 | 1852 | rVB4 | 42201 | 72919 | 3.85% | 0.436% |
| 67 | 12.463 | 1862 | 1866 | 1872 | rVB2 | 14472 | 21085 | 1.11% | 0.126% |
| 68 | 12.530 | 1872 | 1877 | 1879 | rBV | 16971 | 22030 | 1.16% | 0.132% |
| 69 | 12.615 | 1886 | 1891 | 1894 | rVB | 34223 | 44054 | 2.33% | 0.263% |
| 70 | 12.920 | 1933 | 1941 | 1945 | rBV | 31176 | 49927 | 2.64% | 0.299% |
| 71 | 12.963 | 1945 | 1948 | 1955 | rVB2 | 24312 | 32642 | 1.72% | 0.195% |
| 72 | 13.030 | 1955 | 1959 | 1964 | rBV4 | 15932 | 34200 | 1.80% | 0.205% |
| 73 | 13.292 | 1998 | 2002 | 2007 | rVB4 | 26162 | 40590 | 2.14% | 0.243% |
| 74 | 13.579 | 2046 | 2049 | 2054 | rBV3 | 18362 | 30030 | 1.58% | 0.180% |
| 75 | 13.664 | 2060 | 2063 | 2070 | rVB2 | 17781 | 26820 | 1.42% | 0.160% |
| 76 | 13.780 | 2074 | 2082 | 2090 | rVB2 | 22608 | 48159 | 2.54% | 0.288% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-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_X\Method\82X031023W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.213 | 2149 | 2153 | 2163 | rBV2 | 10922 | 21092 | 1.11% | 0.126% |
| 78 | 14.639 | 2215 | 2223 | 2227 | rBV | 18775 | 27976 | 1.48% | 0.167% |
| 79 | 14.780 | 2242 | 2246 | 2253 | rVB | 13426 | 20506 | 1.08% | 0.123% |

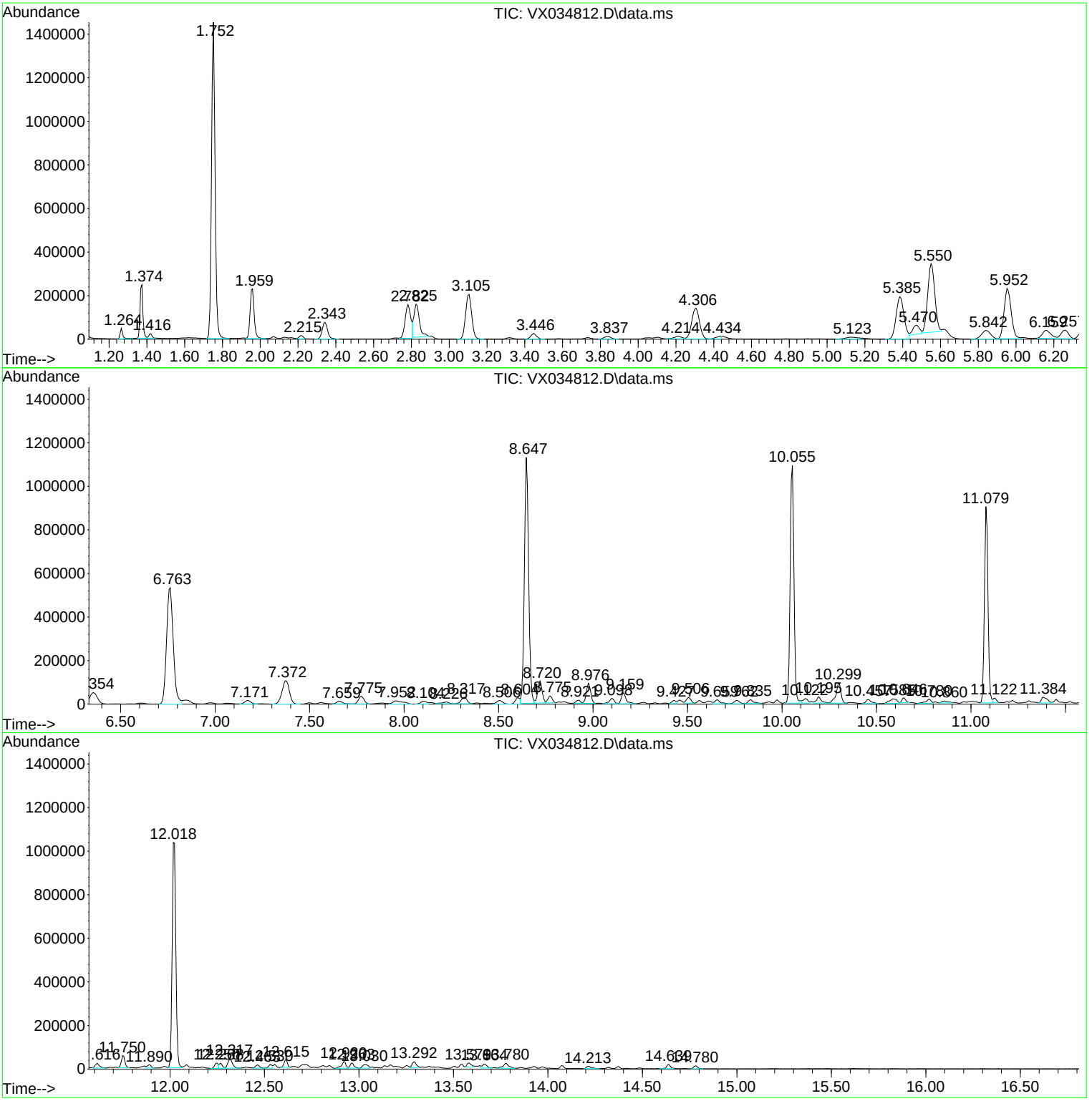
Sum of corrected areas: 16721819

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

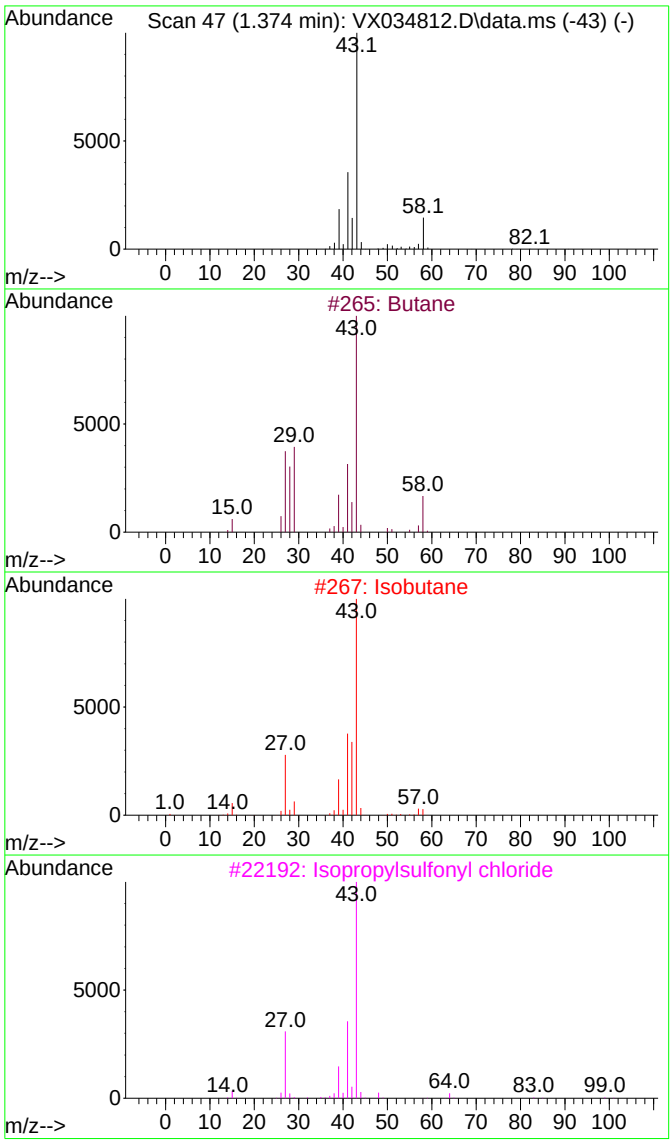
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

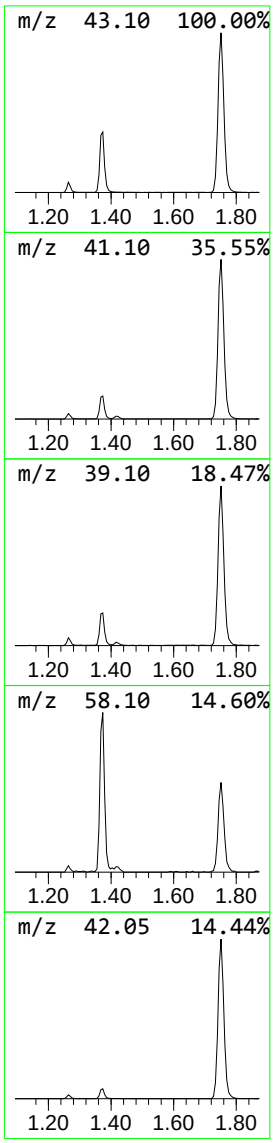
**********

Peak Number 1 Butane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.374 | 15.67 ug/l | 258697 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane | 58 | C4H10 | 000106-97-8 | 72 |
| 2 | Isobutane | 58 | C4H10 | 000075-28-5 | 9 |
| 3 | Isopropylsulfonyl chloride | 142 | C3H7ClO2S | 010147-37-2 | 9 |
| 4 | Propane, 1-nitro- | 89 | C3H7NO2 | 000108-03-2 | 9 |
| 5 | Diazene, dimethyl- | 58 | C2H6N2 | 000503-28-6 | 4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

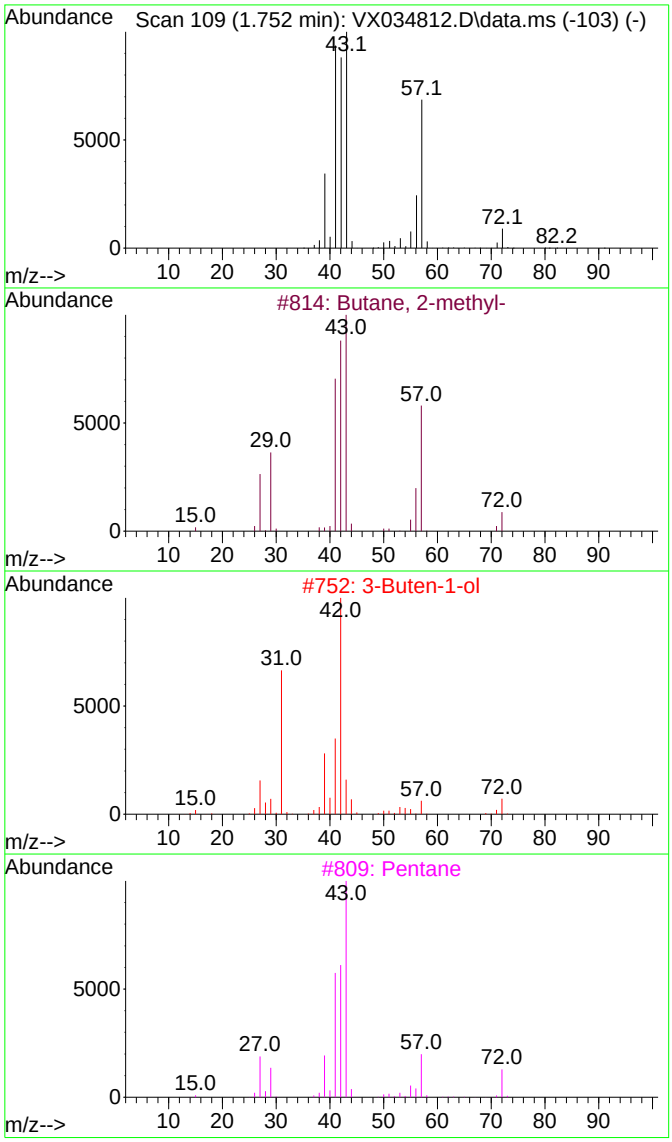
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

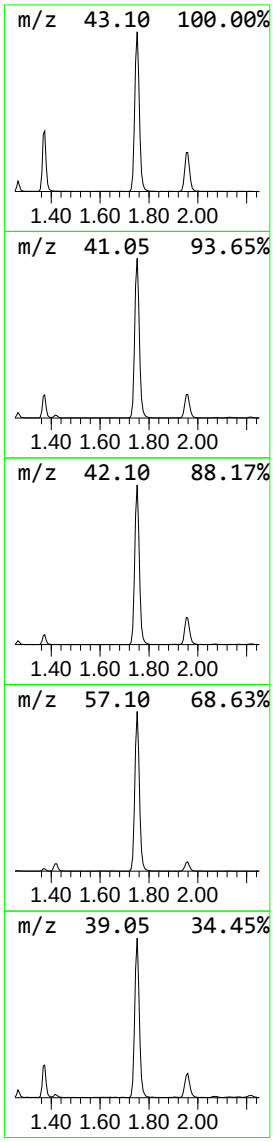
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.752 | 114.76 ug/l | 1894740 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 91 |
| 2 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 47 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 36 |
| 4 | 1-Butene | 56 | C4H8 | 000106-98-9 | 10 |
| 5 | 1-Propene, 2-methyl- | 56 | C4H8 | 000115-11-7 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

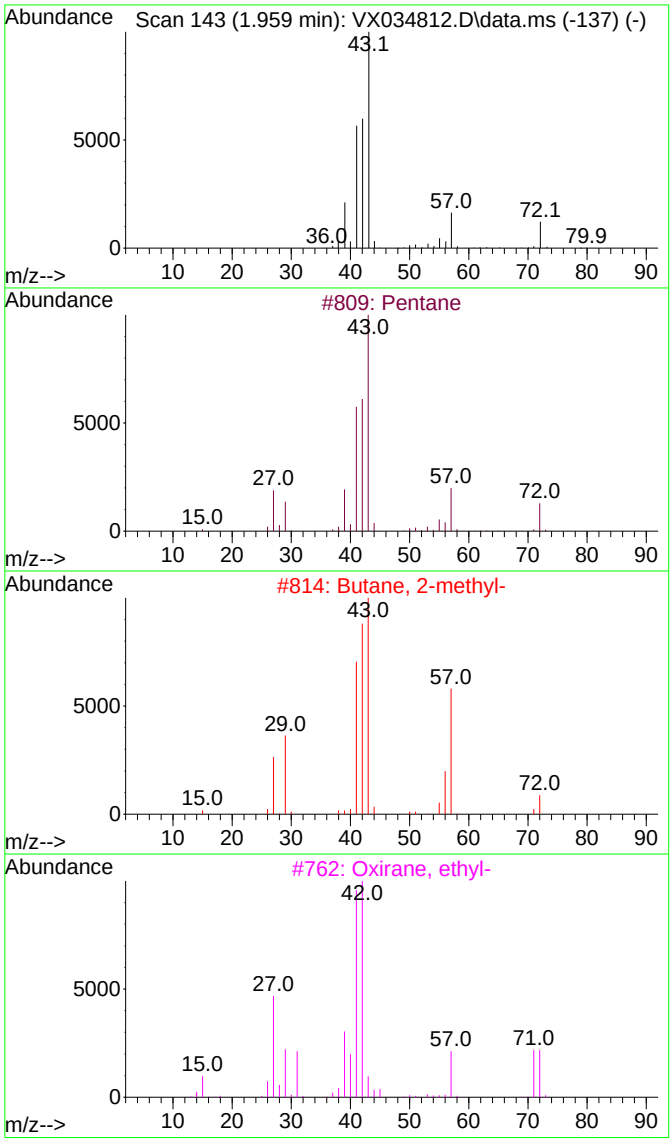
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

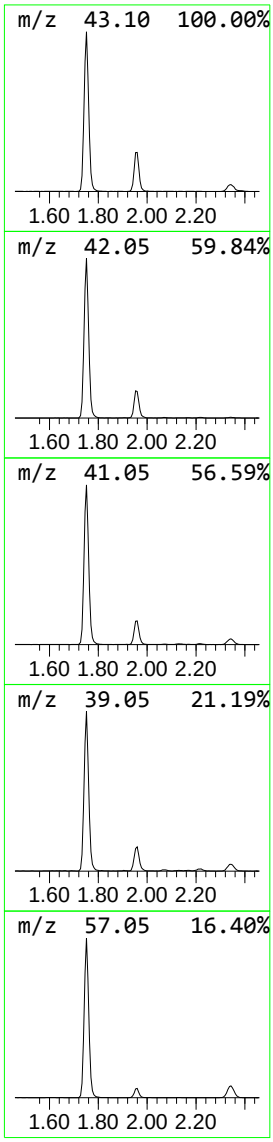
**********

Peak Number 3 Pentane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.959 | 20.15 ug/l | 332716 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane | 72 | C5H12 | 000109-66-0 | 91 |
| 2 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 64 |
| 3 | Oxirane, ethyl- | 72 | C4H8O | 000106-88-7 | 40 |
| 4 | Diaziridine,3,3-dimethyl- | 72 | C3H8N2 | 004901-76-2 | 35 |
| 5 | Butanal, 2,2-dimethyl- | 100 | C6H12O | 002094-75-9 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

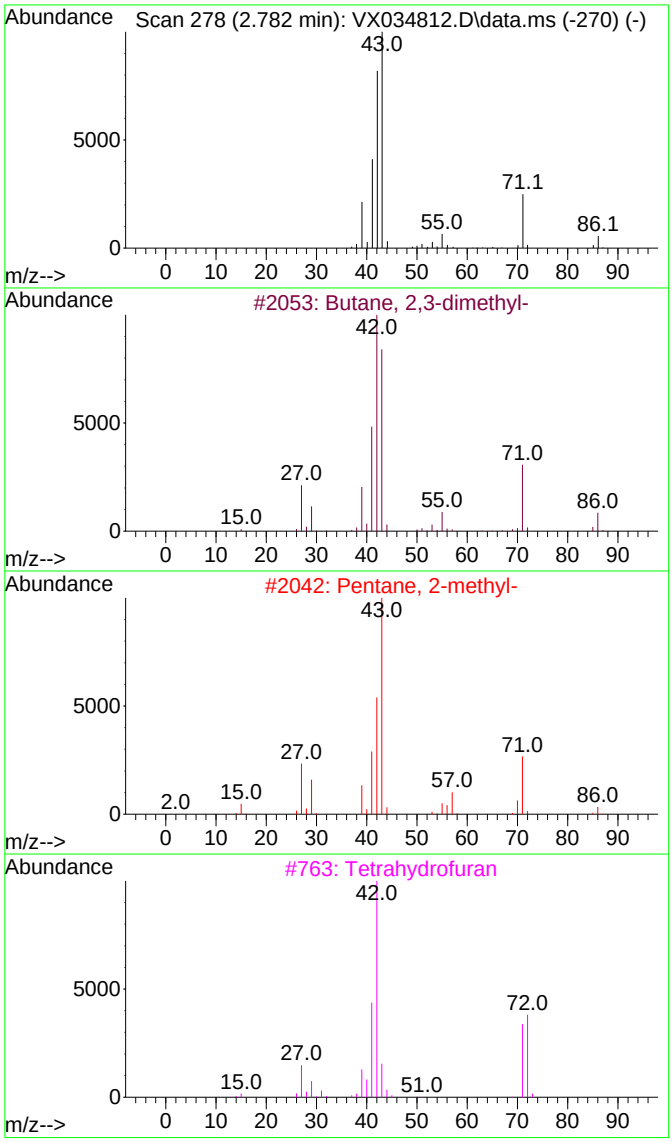
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

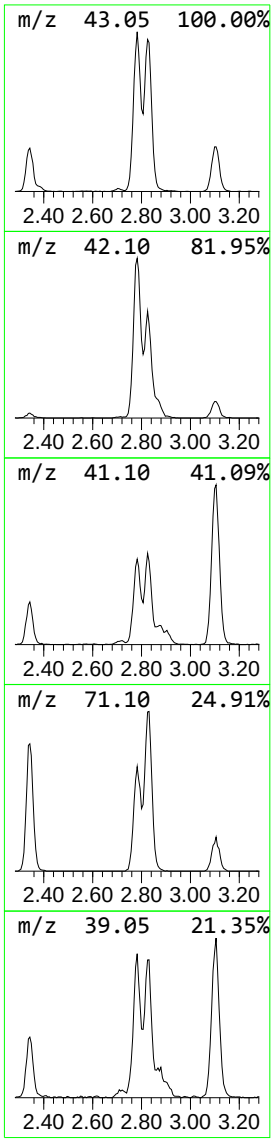
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Butane, 2,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.782 | 20.20 ug/l | 333560 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 87 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 40 |
| 3 | Tetrahydrofuran | 72 | C4H8O | 000109-99-9 | 38 |
| 4 | Furan, tetrahydro-2-methyl- | 86 | C5H10O | 000096-47-9 | 12 |
| 5 | Pyrrolidine | 71 | C4H9N | 000123-75-1 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

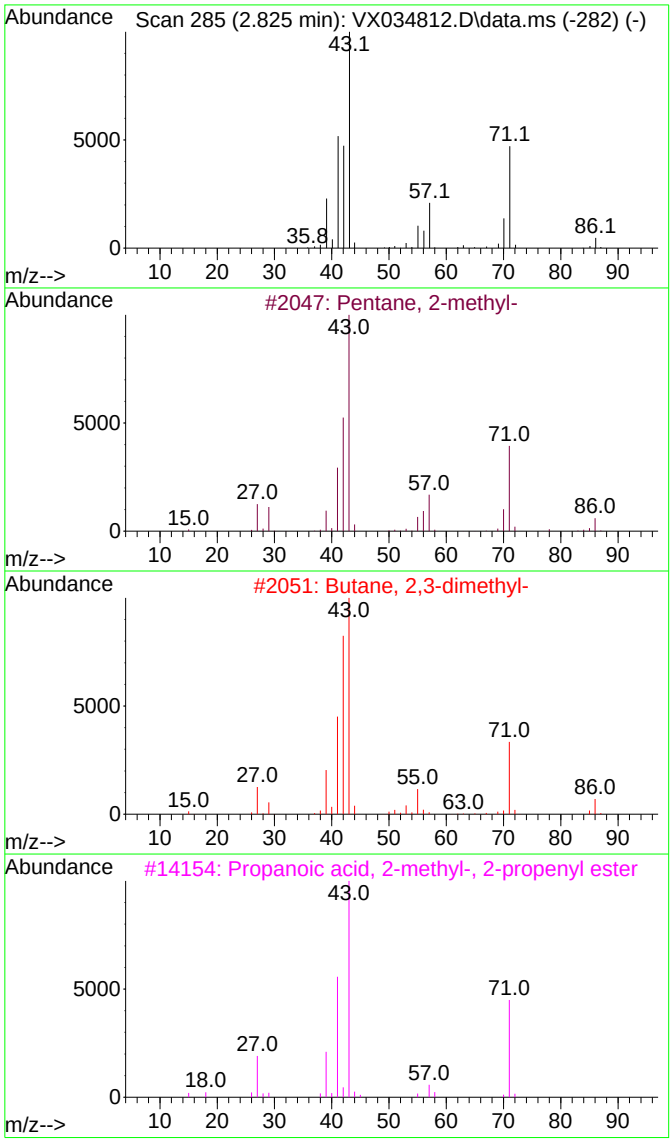
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

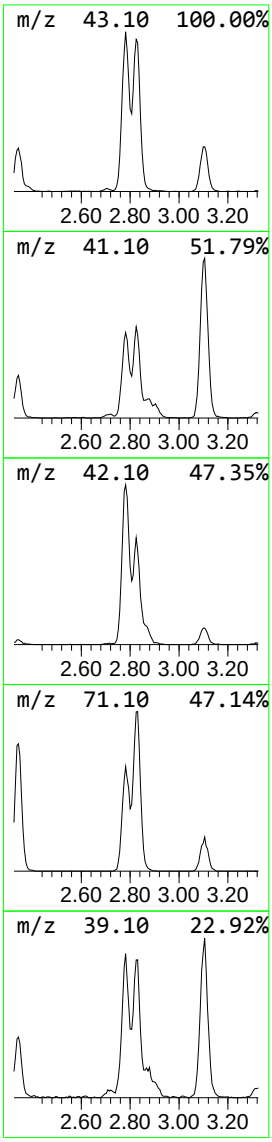
**********

Peak Number 5 Pentane, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.825 | 17.98 ug/l | 296926 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 64 |
| 2 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 38 |
| 3 | Propanoic acid, 2-methyl-, 2-pro... | 128 | C7H12O2 | 015727-77-2 | 28 |
| 4 | Propane, 1-chloro-2-methyl- | 92 | C4H9Cl | 000513-36-0 | 25 |
| 5 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

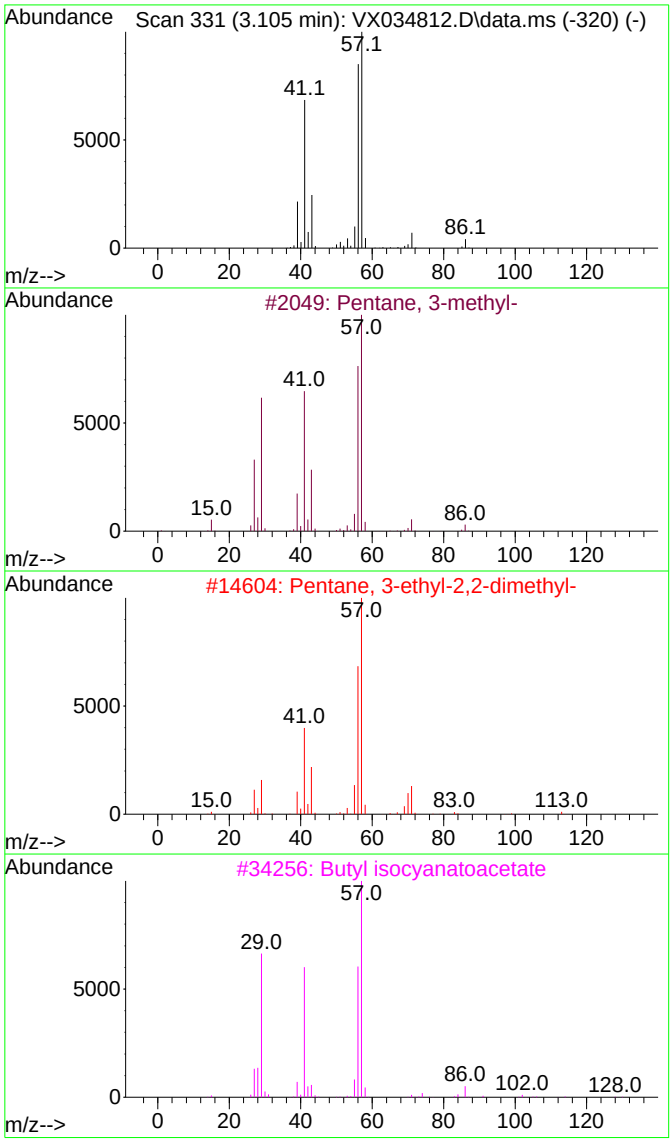
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

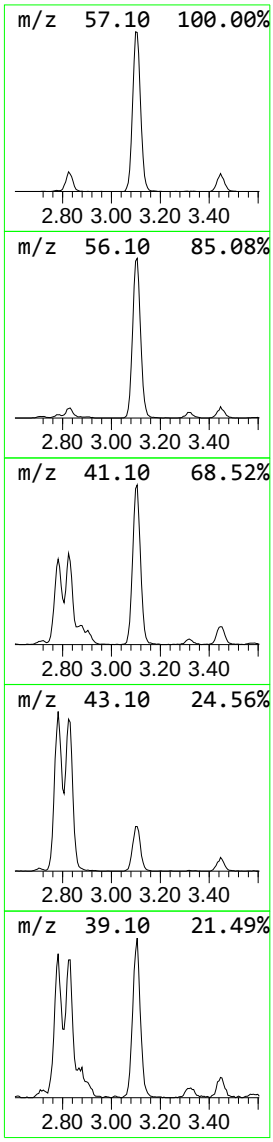
**********

Peak Number 6 Pentane, 3-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.105 | 28.12 ug/l | 464353 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 90 |
| 2 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 43 |
| 3 | Butyl isocyanatoacetate | 157 | C7H11NO3 | 017046-22-9 | 40 |
| 4 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 39 |
| 5 | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20 | 001070-87-7 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

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

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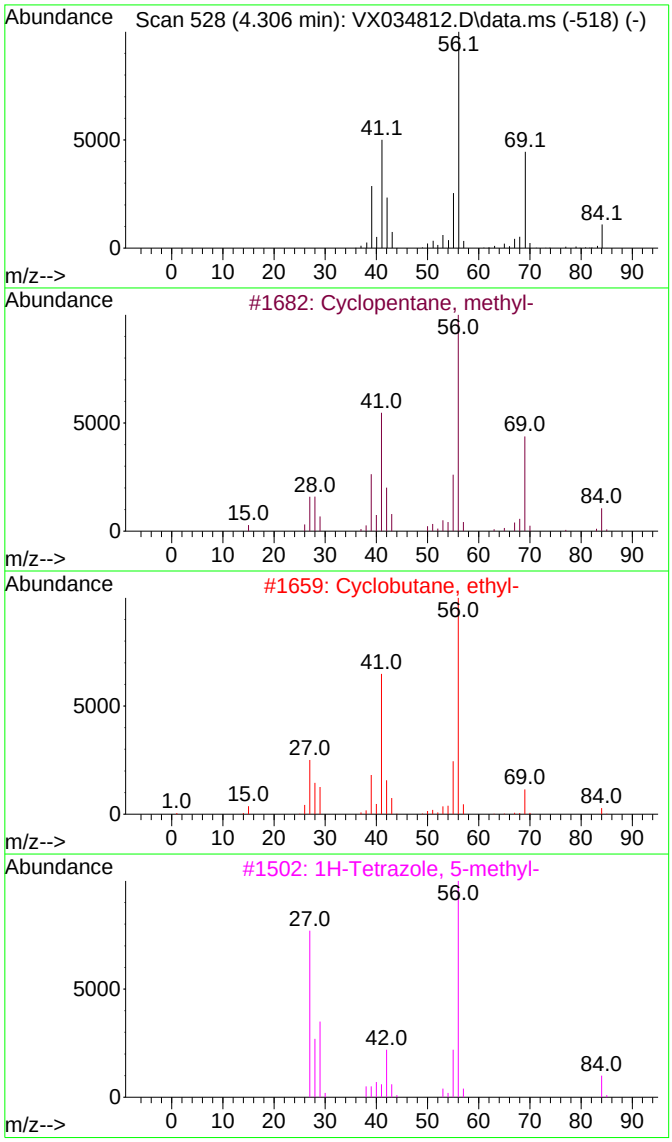
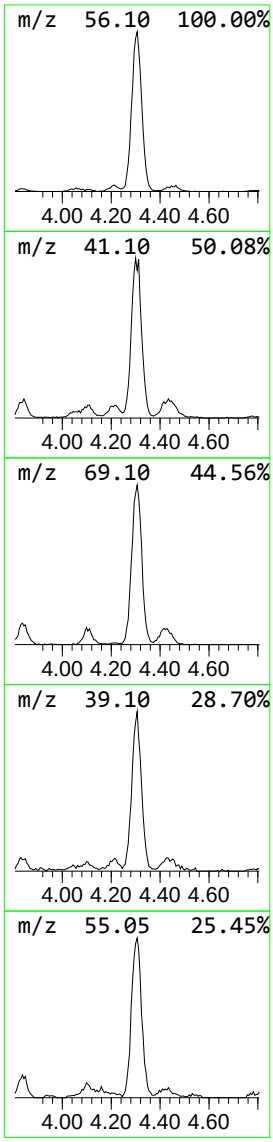
Peak Number 7 Cyclopentane, methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.306 | 24.34 ug/l | 401946 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 64 |
| 4 | Cyclobutane | 56 | C4H8 | 000287-23-0 | 50 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

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

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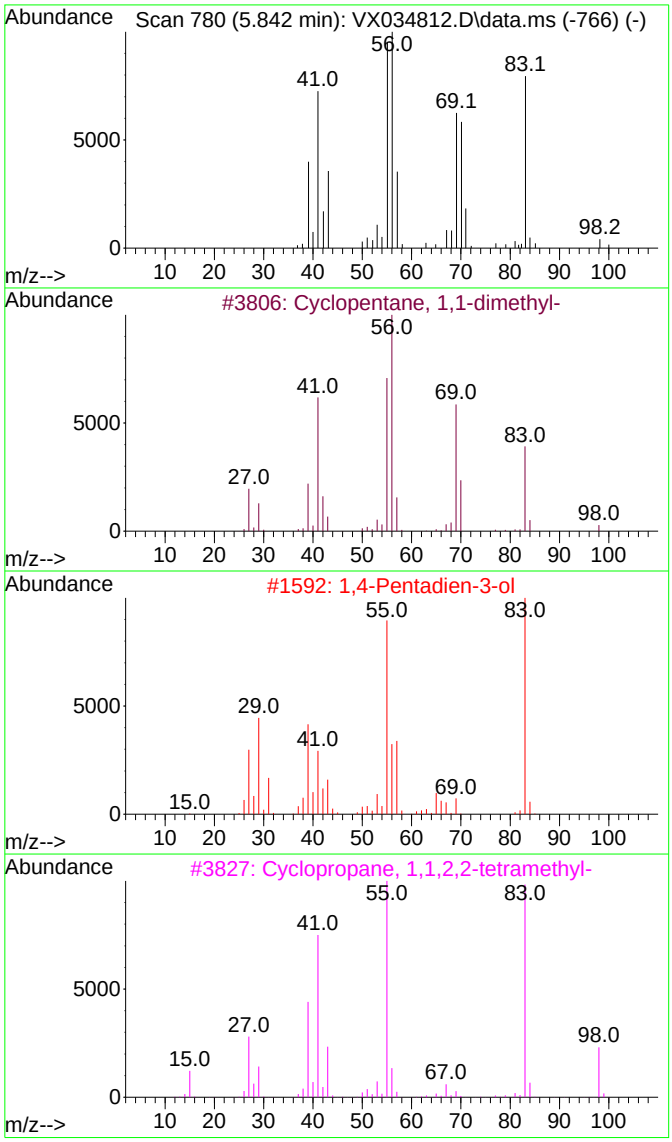
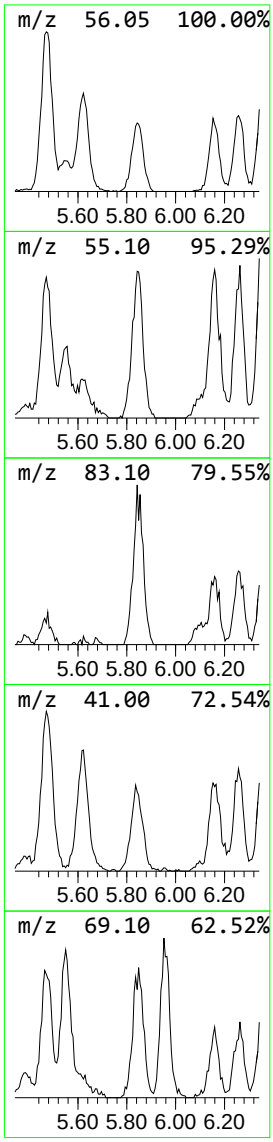
Peak Number 8 unknown5.842 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.842 | 8.16 ug/l | 134773 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,1-dimethyl- | 98 | C7H14 | 001638-26-2 | 49 |
| 2 | 1,4-Pentadien-3-ol | 84 | C5H8O | 000922-65-6 | 47 |
| 3 | Cyclopropane, 1,1,2,2-tetramethyl- | 98 | C7H14 | 004127-47-3 | 46 |
| 4 | Aziridine, 1-(1-propenyl)-, (E)- | 83 | C5H9N | 080839-91-4 | 43 |
| 5 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

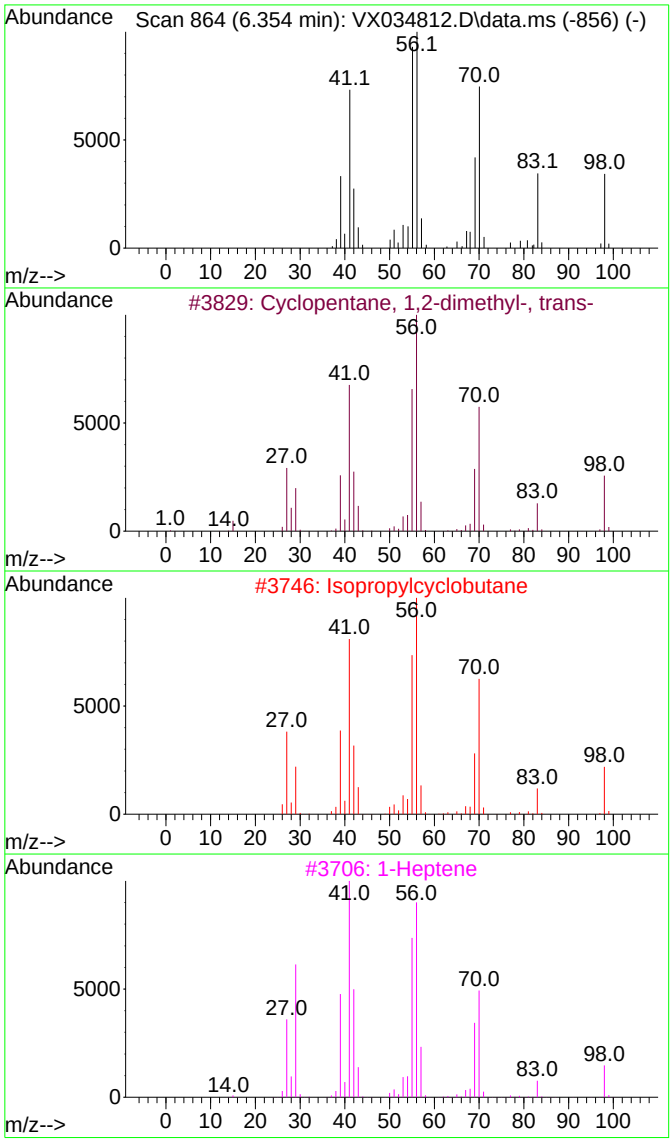
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260

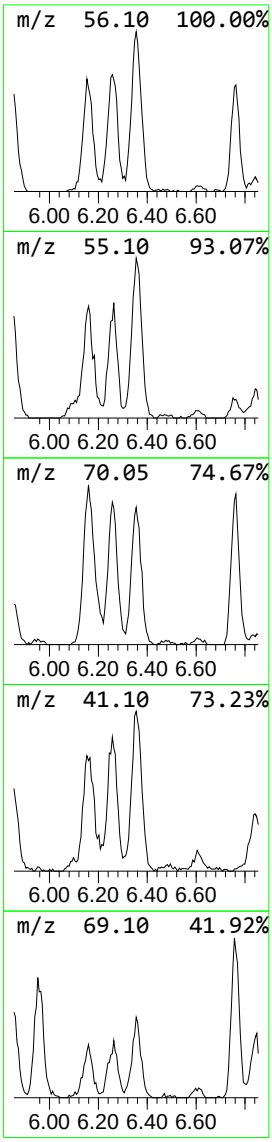
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Cyclopentane, 1,2-dimethyl-... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.354 | 5.83 ug/l | 152326 | 1,4-Difluorobenzene | 6.763 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 91 |
| 2 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 90 |
| 3 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 87 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 86 |
| 5 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
Data File : VX034812.D
Acq On : 28 Mar 2023 22:38
Operator : JC/MD
Sample : 02084-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PMW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.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 |
| Butane | 1.374 | 15.7 | ug/l | 258697 | 1 | 5.550 | 825519 | 50.0 |
| Butane, 2-methyl- | 1.752 | 114.8 | ug/l | 1894740 | 1 | 5.550 | 825519 | 50.0 |
| Pentane | 1.959 | 20.1 | ug/l | 332716 | 1 | 5.550 | 825519 | 50.0 |
| Butane, 2,3-dim... | 2.782 | 20.2 | ug/l | 333560 | 1 | 5.550 | 825519 | 50.0 |
| Pentane, 2-methyl- | 2.825 | 18.0 | ug/l | 296926 | 1 | 5.550 | 825519 | 50.0 |
| Pentane, 3-methyl- | 3.105 | 28.1 | ug/l | 464353 | 1 | 5.550 | 825519 | 50.0 |
| Cyclopentane, m... | 4.306 | 24.3 | ug/l | 401946 | 1 | 5.550 | 825519 | 50.0 |
| unknown5.842 | 5.842 | 8.2 | ug/l | 134773 | 1 | 5.550 | 825519 | 50.0 |
| Cyclopentane, 1... | 6.354 | 5.8 | ug/l | 152326 | 2 | 6.763 | 1305530 | 50.0 |