LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

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_U\Method\82U062722W.M
Title : SW846 8260

Signal : TIC: VU049566.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.488 | 39 | 46 | 55 | rBV | 187652 | 180550 | 3.11% | 0.327% |
| 2 | 1.601 | 70 | 81 | 90 | rBV | 811661 | 856304 | 14.77% | 1.553% |
| 3 | 1.990 | 190 | 202 | 221 | rBV | 3312796 | 4495169 | 77.52% | 8.154% |
| 4 | 2.199 | 256 | 267 | 285 | rVB | 596790 | 886502 | 15.29% | 1.608% |
| 5 | 2.314 | 292 | 303 | 314 | rBV | 53298 | 76221 | 1.31% | 0.138% |
| 6 | 2.462 | 339 | 349 | 367 | rVB | 473374 | 739284 | 12.75% | 1.341% |
| 7 | 2.594 | 374 | 390 | 420 | rVB | 213180 | 434549 | 7.49% | 0.788% |
| 8 | 3.038 | 491 | 528 | 534 | rBV3 | 576347 | 1383605 | 23.86% | 2.510% |
| 9 | 3.080 | 535 | 541 | 549 | rVV | 741275 | 1409361 | 24.30% | 2.556% |
| 10 | 3.134 | 549 | 558 | 597 | rVB | 934177 | 2126576 | 36.67% | 3.857% |
| 11 | 3.359 | 609 | 628 | 654 | rVB2 | 808041 | 1794646 | 30.95% | 3.255% |
| 12 | 3.572 | 680 | 694 | 714 | rVV2 | 35116 | 78135 | 1.35% | 0.142% |
| 13 | 3.977 | 801 | 820 | 838 | rBV | 230201 | 567459 | 9.79% | 1.029% |
| 14 | 4.086 | 838 | 854 | 869 | rBV | 175150 | 436115 | 7.52% | 0.791% |
| 15 | 4.170 | 870 | 880 | 892 | rVB | 32352 | 71722 | 1.24% | 0.130% |
| 16 | 4.253 | 892 | 906 | 914 | rBV | 41838 | 105896 | 1.83% | 0.192% |
| 17 | 4.334 | 919 | 931 | 947 | rVV3 | 149346 | 384036 | 6.62% | 0.697% |
| 18 | 4.433 | 948 | 962 | 975 | rVV3 | 104571 | 266612 | 4.60% | 0.484% |
| 19 | 4.530 | 975 | 992 | 1008 | rVV | 1507018 | 3623714 | 62.49% | 6.573% |
| 20 | 4.610 | 1008 | 1017 | 1042 | rVB2 | 120872 | 333340 | 5.75% | 0.605% |
| 21 | 4.980 | 1117 | 1132 | 1148 | rBV4 | 23375 | 66112 | 1.14% | 0.120% |
| 22 | 5.128 | 1155 | 1178 | 1183 | rBV5 | 67158 | 157467 | 2.72% | 0.286% |
| 23 | 5.176 | 1184 | 1193 | 1209 | rVB | 186832 | 404477 | 6.98% | 0.734% |
| 24 | 5.289 | 1209 | 1228 | 1241 | rBV | 214242 | 472551 | 8.15% | 0.857% |
| 25 | 5.385 | 1241 | 1258 | 1271 | rBV3 | 1265070 | 3194926 | 55.10% | 5.795% |
| 26 | 5.459 | 1272 | 1281 | 1306 | rVB2 | 338093 | 855223 | 14.75% | 1.551% |
| 27 | 5.591 | 1306 | 1322 | 1331 | rBV | 170211 | 378411 | 6.53% | 0.686% |
| 28 | 5.700 | 1346 | 1356 | 1366 | rBV2 | 209867 | 406342 | 7.01% | 0.737% |
| 29 | 5.774 | 1366 | 1379 | 1392 | rVV | 2878204 | 5798678 | 100.00% | 10.518% |
| 30 | 5.845 | 1393 | 1401 | 1408 | rVV4 | 267840 | 614123 | 10.59% | 1.114% |
| 31 | 5.896 | 1409 | 1417 | 1434 | rVV6 | 497979 | 1345261 | 23.20% | 2.440% |
| 32 | 5.986 | 1434 | 1445 | 1471 | rVB2 | 200479 | 479989 | 8.28% | 0.871% |
| 33 | 6.131 | 1476 | 1490 | 1511 | rVB3 | 34347 | 92363 | 1.59% | 0.168% |
| 34 | 6.250 | 1512 | 1527 | 1536 | rBV | 517349 | 1023313 | 17.65% | 1.856% |
| 35 | 6.565 | 1611 | 1625 | 1658 | rVB5 | 86418 | 247760 | 4.27% | 0.449% |
| 36 | 6.761 | 1662 | 1686 | 1710 | rBV3 | 610966 | 1551738 | 26.76% | 2.815% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

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_U\Method\82U062722W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 6.980 | 1744 | 1754 | 1767 | rVB | 72263 | 128193 | 2.21% | 0.233% |
| 38 | 7.070 | 1768 | 1782 | 1795 | rVB3 | 35334 | 75574 | 1.30% | 0.137% |
| 39 | 7.182 | 1795 | 1817 | 1827 | rBV5 | 107554 | 353945 | 6.10% | 0.642% |
| 40 | 7.253 | 1828 | 1839 | 1855 | rVB | 163866 | 346076 | 5.97% | 0.628% |
| 41 | 7.391 | 1855 | 1882 | 1911 | rBV4 | 418986 | 1075380 | 18.55% | 1.951% |
| 42 | 7.626 | 1946 | 1955 | 1965 | rBV2 | 70193 | 115721 | 2.00% | 0.210% |
| 43 | 7.687 | 1966 | 1974 | 1985 | rVB | 108264 | 183085 | 3.16% | 0.332% |
| 44 | 7.758 | 1986 | 1996 | 2012 | rVB3 | 157945 | 288200 | 4.97% | 0.523% |
| 45 | 7.858 | 2012 | 2027 | 2029 | rBV6 | 69306 | 126404 | 2.18% | 0.229% |
| 46 | 7.896 | 2030 | 2039 | 2053 | rVV | 776793 | 1332739 | 22.98% | 2.417% |
| 47 | 7.970 | 2053 | 2062 | 2071 | rVB | 93767 | 161605 | 2.79% | 0.293% |
| 48 | 8.038 | 2071 | 2083 | 2101 | rBV5 | 175708 | 368027 | 6.35% | 0.668% |
| 49 | 8.160 | 2113 | 2121 | 2137 | rVB2 | 54445 | 120187 | 2.07% | 0.218% |
| 50 | 8.250 | 2137 | 2149 | 2165 | rVB6 | 50442 | 131496 | 2.27% | 0.239% |
| 51 | 8.369 | 2165 | 2186 | 2191 | rBV3 | 48362 | 101206 | 1.75% | 0.184% |
| 52 | 8.411 | 2191 | 2199 | 2216 | rVB | 136042 | 233873 | 4.03% | 0.424% |
| 53 | 8.716 | 2278 | 2294 | 2309 | rVB | 230333 | 425820 | 7.34% | 0.772% |
| 54 | 8.822 | 2320 | 2327 | 2336 | rVB3 | 48081 | 78840 | 1.36% | 0.143% |
| 55 | 9.076 | 2394 | 2406 | 2425 | rBV8 | 27763 | 67192 | 1.16% | 0.122% |
| 56 | 9.333 | 2475 | 2486 | 2500 | rBV4 | 56639 | 111153 | 1.92% | 0.202% |
| 57 | 9.417 | 2500 | 2512 | 2525 | rBV | 703969 | 1203679 | 20.76% | 2.183% |
| 58 | 9.571 | 2550 | 2560 | 2581 | rVB2 | 422372 | 772188 | 13.32% | 1.401% |
| 59 | 9.697 | 2587 | 2599 | 2615 | rBV | 356749 | 575219 | 9.92% | 1.043% |
| 60 | 10.099 | 2710 | 2724 | 2740 | rVB2 | 44061 | 92075 | 1.59% | 0.167% |
| 61 | 10.375 | 2800 | 2810 | 2828 | rBV7 | 54180 | 127639 | 2.20% | 0.232% |
| 62 | 10.484 | 2833 | 2844 | 2854 | rVB | 189405 | 306236 | 5.28% | 0.555% |
| 63 | 10.632 | 2878 | 2890 | 2904 | rBV | 554506 | 889988 | 15.35% | 1.614% |
| 64 | 10.735 | 2912 | 2922 | 2935 | rVB | 136277 | 228979 | 3.95% | 0.415% |
| 65 | 10.906 | 2965 | 2975 | 2990 | rVB | 224308 | 363684 | 6.27% | 0.660% |
| 66 | 11.021 | 2998 | 3011 | 3020 | rBV | 54691 | 91584 | 1.58% | 0.166% |
| 67 | 11.292 | 3082 | 3095 | 3112 | rBV | 298600 | 478203 | 8.25% | 0.867% |
| 68 | 11.468 | 3141 | 3150 | 3160 | rVB | 56242 | 86700 | 1.50% | 0.157% |
| 69 | 11.812 | 3243 | 3257 | 3271 | rBV | 695610 | 1109573 | 19.13% | 2.013% |
| 70 | 11.893 | 3273 | 3282 | 3295 | rVV2 | 80698 | 130669 | 2.25% | 0.237% |
| 71 | 12.092 | 3326 | 3344 | 3356 | rBV | 1730666 | 2778464 | 47.92% | 5.040% |
| 72 | 12.144 | 3356 | 3360 | 3367 | rVV2 | 45516 | 70101 | 1.21% | 0.127% |
| 73 | 12.185 | 3367 | 3373 | 3393 | rVB3 | 31291 | 65377 | 1.13% | 0.119% |
| 74 | 12.301 | 3398 | 3409 | 3420 | rBV2 | 39357 | 64101 | 1.11% | 0.116% |
| 75 | 12.378 | 3422 | 3433 | 3446 | rVB | 65559 | 113705 | 1.96% | 0.206% |
| 76 | 12.571 | 3482 | 3493 | 3500 | rBV | 99194 | 152202 | 2.62% | 0.276% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

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_U\Method\82U062722W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 12.613 | 3500 | 3506 | 3516 | rVV | 60744 | 92377 | 1.59% | 0.168% |
| 78 | 12.681 | 3516 | 3527 | 3544 | rVB | 306599 | 509794 | 8.79% | 0.925% |
| 79 | 12.973 | 3599 | 3618 | 3626 | rBV2 | 78893 | 151818 | 2.62% | 0.275% |
| 80 | 13.115 | 3648 | 3662 | 3677 | rVB4 | 29090 | 59893 | 1.03% | 0.109% |
| 81 | 13.295 | 3709 | 3718 | 3724 | rBV | 81924 | 118785 | 2.05% | 0.215% |
| 82 | 13.452 | 3757 | 3767 | 3779 | rVB2 | 232161 | 372892 | 6.43% | 0.676% |
| 83 | 13.520 | 3779 | 3788 | 3804 | rVB8 | 34620 | 63370 | 1.09% | 0.115% |
| 84 | 13.626 | 3811 | 3821 | 3835 | rVB2 | 62408 | 107580 | 1.86% | 0.195% |
| 85 | 14.086 | 3949 | 3964 | 3988 | rVB | 439757 | 730471 | 12.60% | 1.325% |
| 86 | 15.410 | 4365 | 4376 | 4393 | rBV2 | 31608 | 60687 | 1.05% | 0.110% |

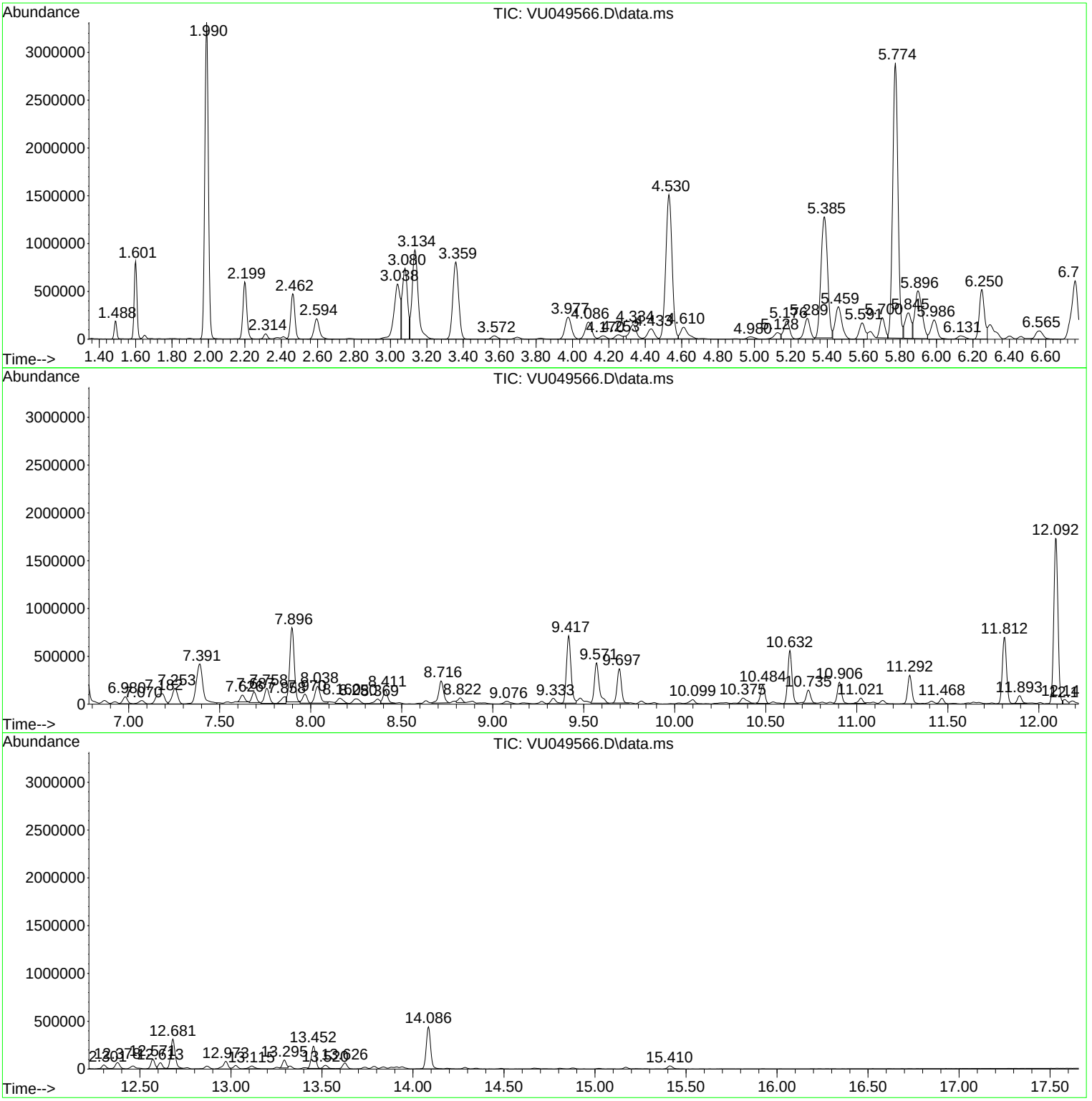
Sum of corrected areas: 55131279

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

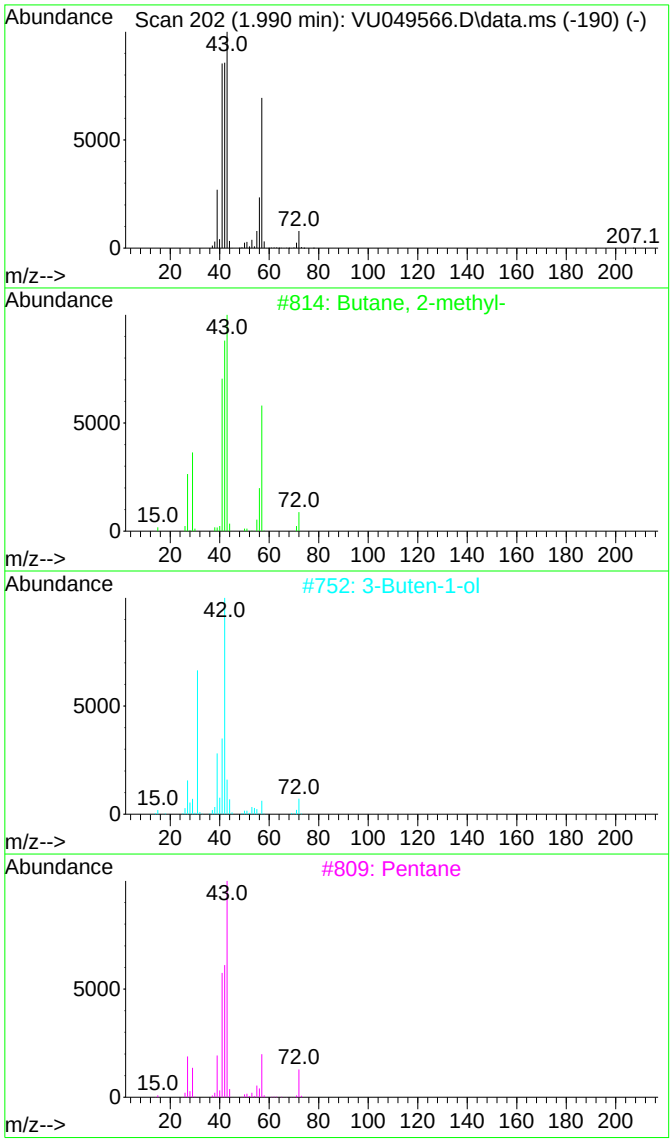
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

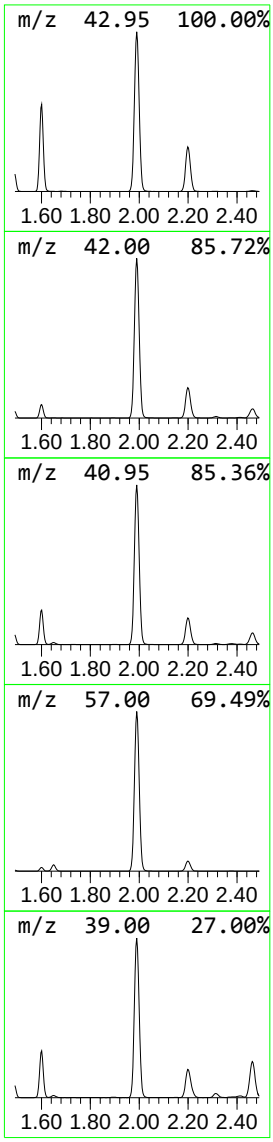
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.990 | 70.35 ug/l | 4495170 | Pentafluorobenzene | 5.372 |

| 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 | Methane, isocyanato- | 57 | C2H3NO | 000624-83-9 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

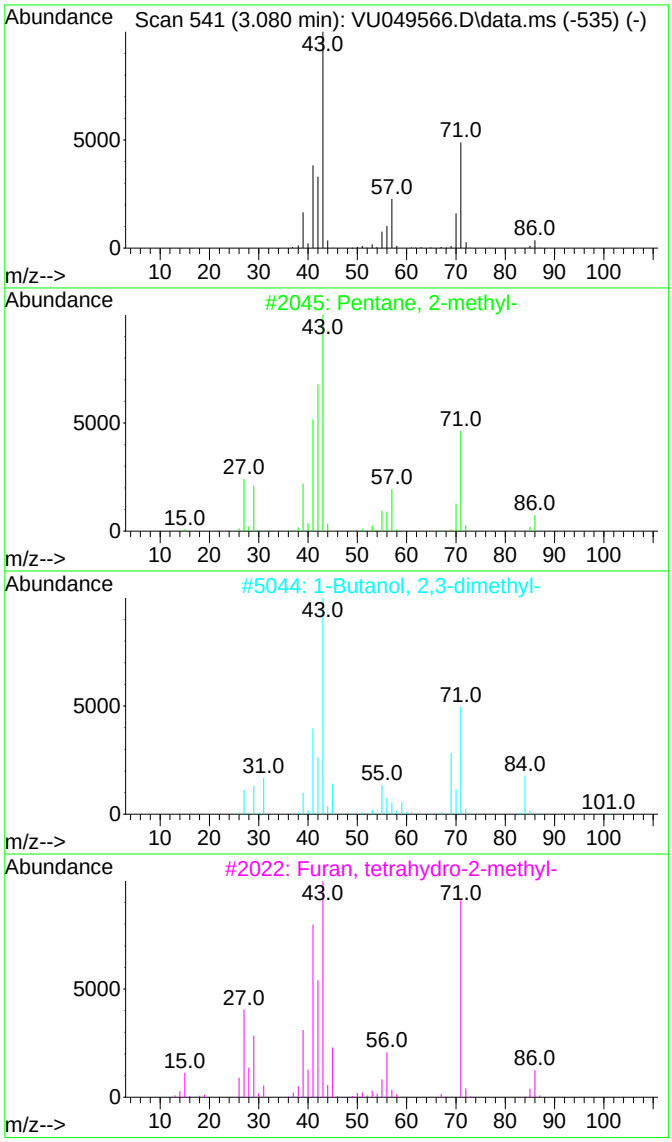
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

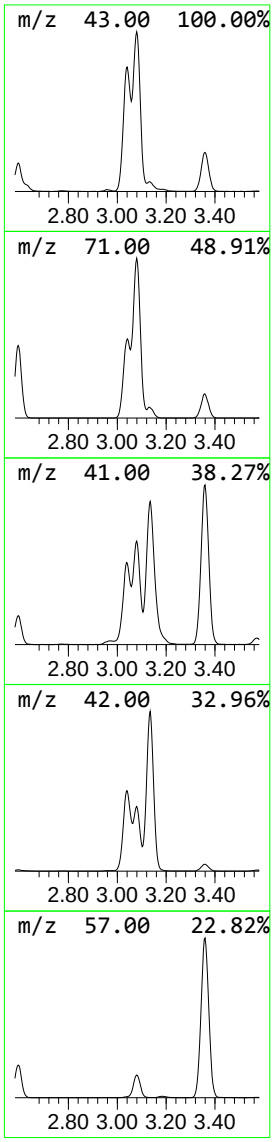
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Pentane, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.080 | 22.06 ug/l | 1409360 | Pentafluorobenzene | 5.372 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 74 |
| 2 | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O | 019550-30-2 | 43 |
| 3 | Furan, tetrahydro-2-methyl- | 86 | C5H10O | 000096-47-9 | 38 |
| 4 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 33 |
| 5 | Butane, 1-chloro-3-methyl- | 106 | C5H11Cl | 000107-84-6 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

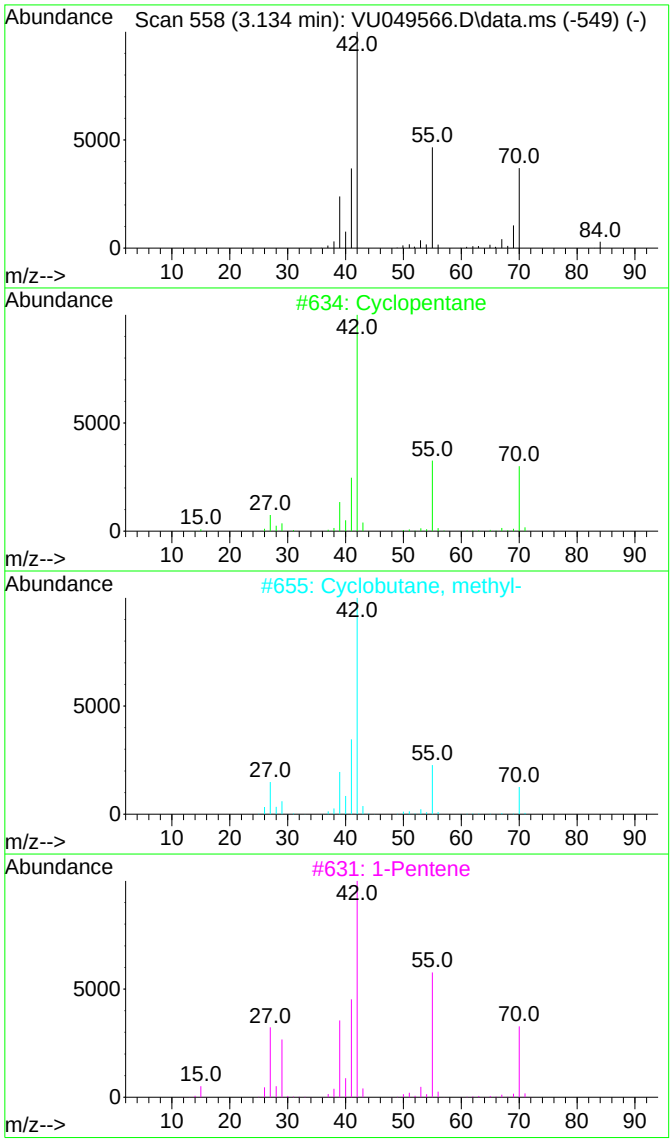
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

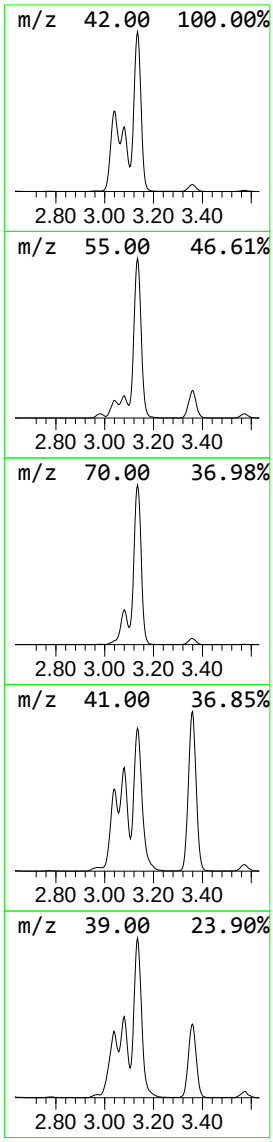
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Cyclopentane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.134 | 33.28 ug/l | 2126580 | Pentafluorobenzene | 5.372 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 72 |
| 2 | Cyclobutane, methyl- | 70 | C5H10 | 000598-61-8 | 72 |
| 3 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 45 |
| 4 | 1-Pentanol | 88 | C5H12O | 000071-41-0 | 39 |
| 5 | Methyl propargyl ether | 70 | C4H6O | 000627-41-8 | 7 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

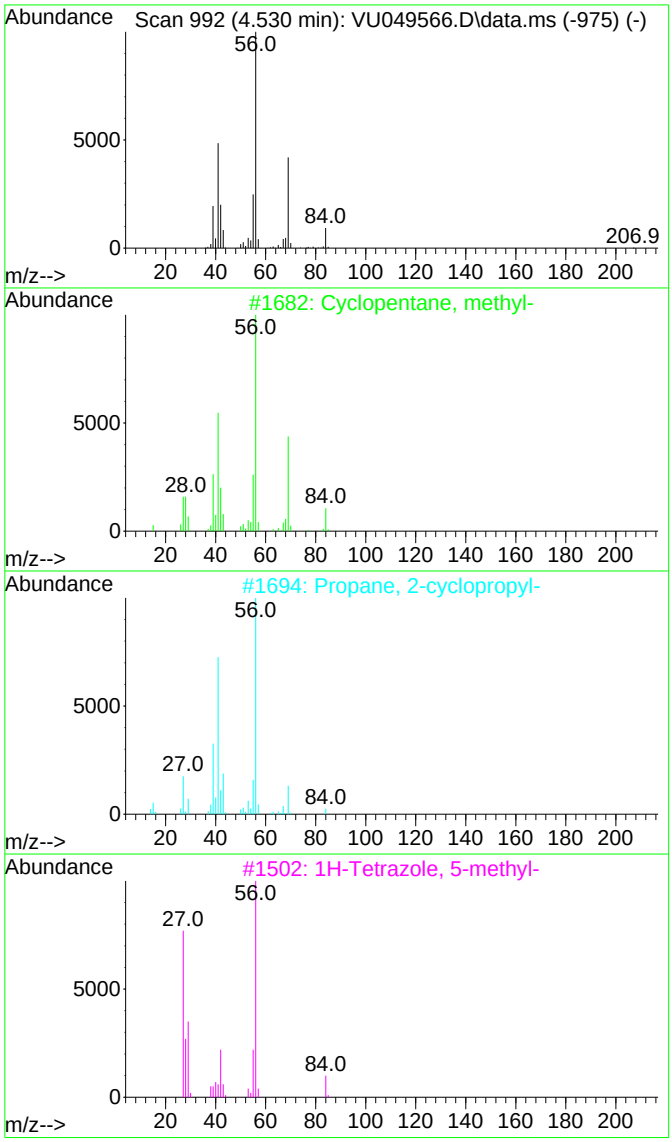
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

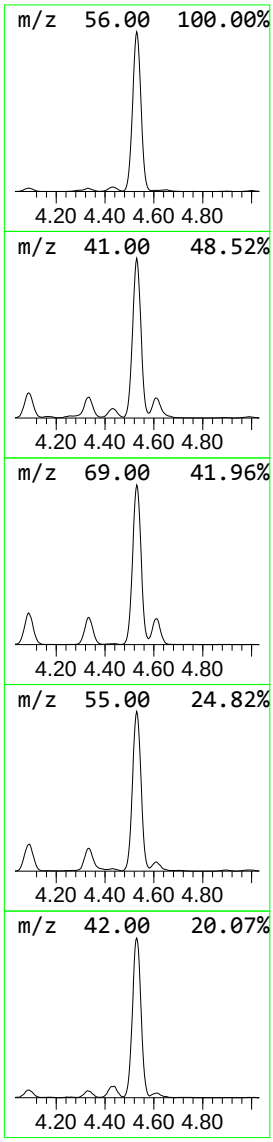
**********

Peak Number 4 Cyclopentane, methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.530 | 56.71 ug/l | 3623710 | Pentafluorobenzene | 5.372 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | Propane, 2-cyclopropyl- | 84 | C6H12 | 003638-35-5 | 80 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 80 |
| 4 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |
| 5 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

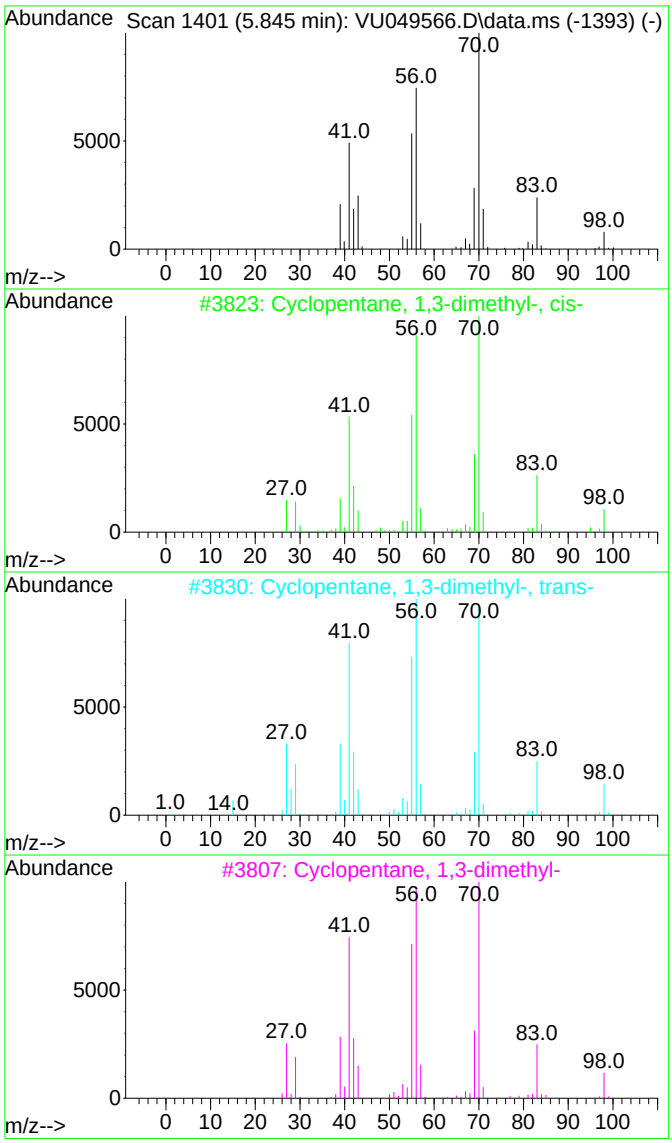
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

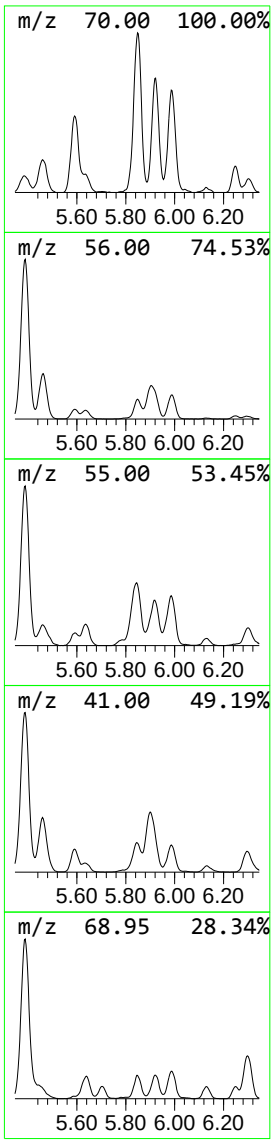
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Cyclopentane, 1,3-dimethyl-... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.845 | 30.01 ug/l | 614123 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 91 |
| 2 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 76 |
| 3 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 76 |
| 4 | Formic acid, heptyl ester | 144 | C8H16O2 | 000112-23-2 | 72 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

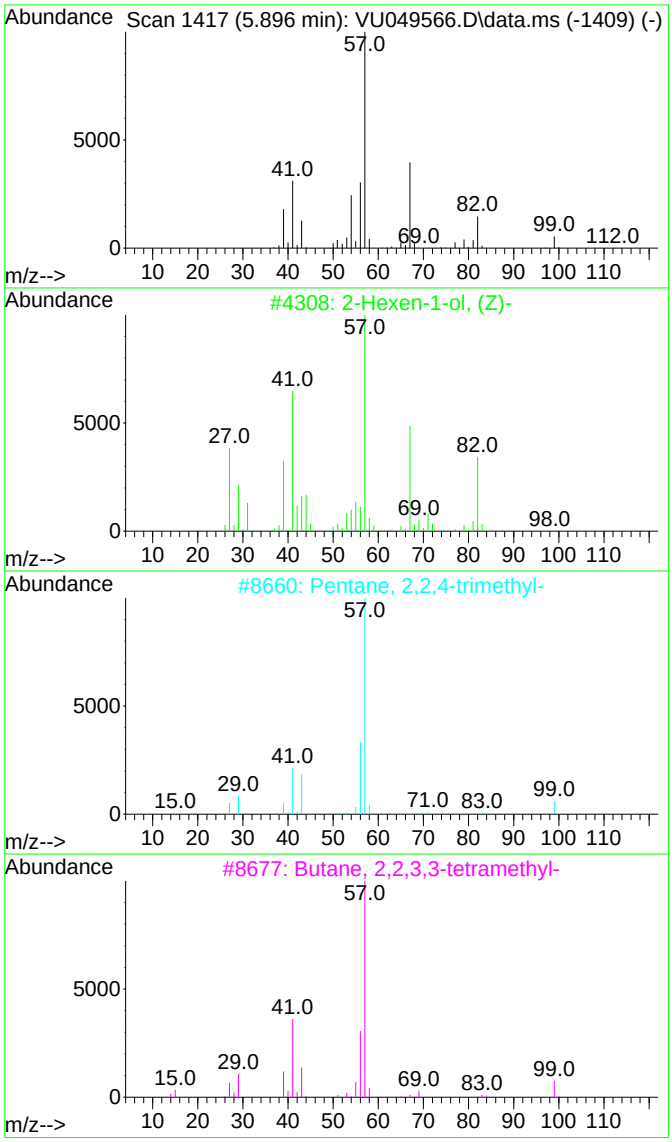
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

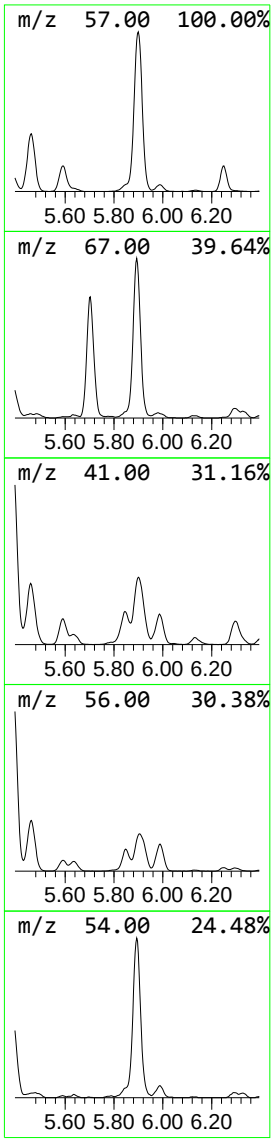
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 unknown5.896 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.896 | 65.73 ug/l | 1345260 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexen-1-ol, (Z)- | 100 | C6H12O | 000928-94-9 | 42 |
| 2 | Pentane, 2,2,4-trimethyl- | 114 | C8H18 | 000540-84-1 | 22 |
| 3 | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18 | 000594-82-1 | 16 |
| 4 | Hexane, 2,2-dimethyl- | 114 | C8H18 | 000590-73-8 | 12 |
| 5 | 1-Penten-3-ol, 4-methyl- | 100 | C6H12O | 004798-45-2 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

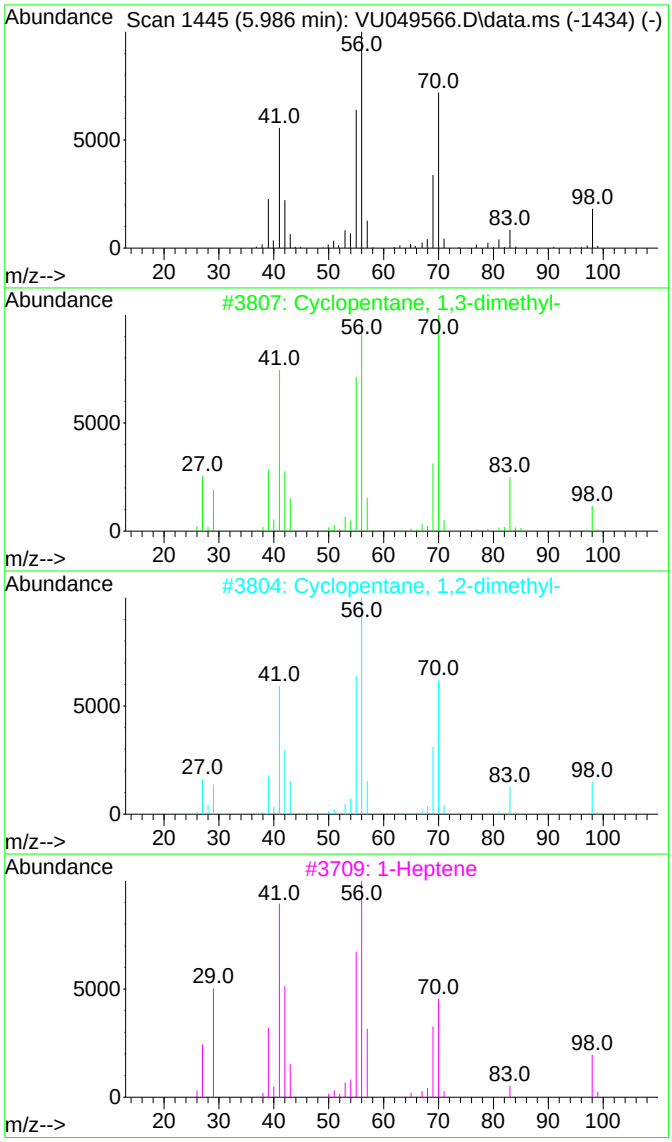
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

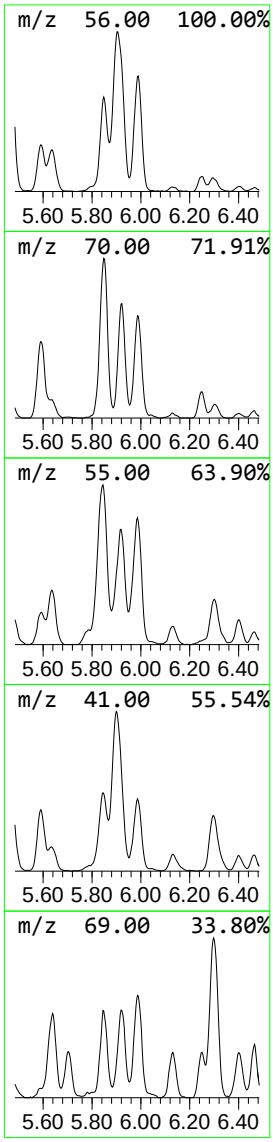
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclopentane, 1,3-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.986 | 23.45 ug/l | 479989 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 90 |
| 2 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 81 |
| 3 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 78 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 76 |
| 5 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

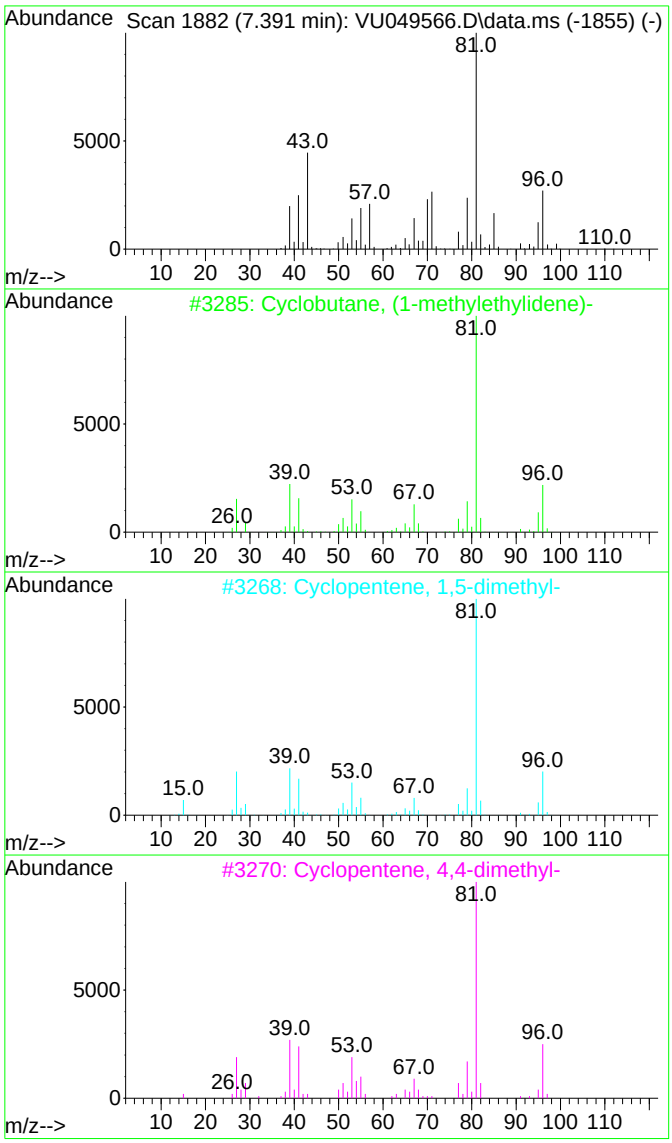
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

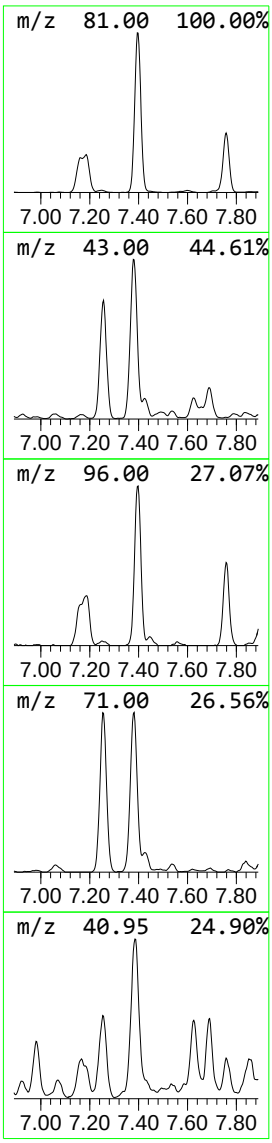
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Cyclobutane, (1-methylethyl... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.391 | 52.54 ug/l | 1075380 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclobutane, (1-methylethylidene)- | 96 | C7H12 | 001528-22-9 | 70 |
| 2 | Cyclopentene, 1,5-dimethyl- | 96 | C7H12 | 016491-15-9 | 64 |
| 3 | Cyclopentene, 4,4-dimethyl- | 96 | C7H12 | 019037-72-0 | 58 |
| 4 | Cyclopentane, 1-methyl-2-methylene- | 96 | C7H12 | 041158-41-2 | 52 |
| 5 | 3,5-Dimethylcyclopentene | 96 | C7H12 | 007459-71-4 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

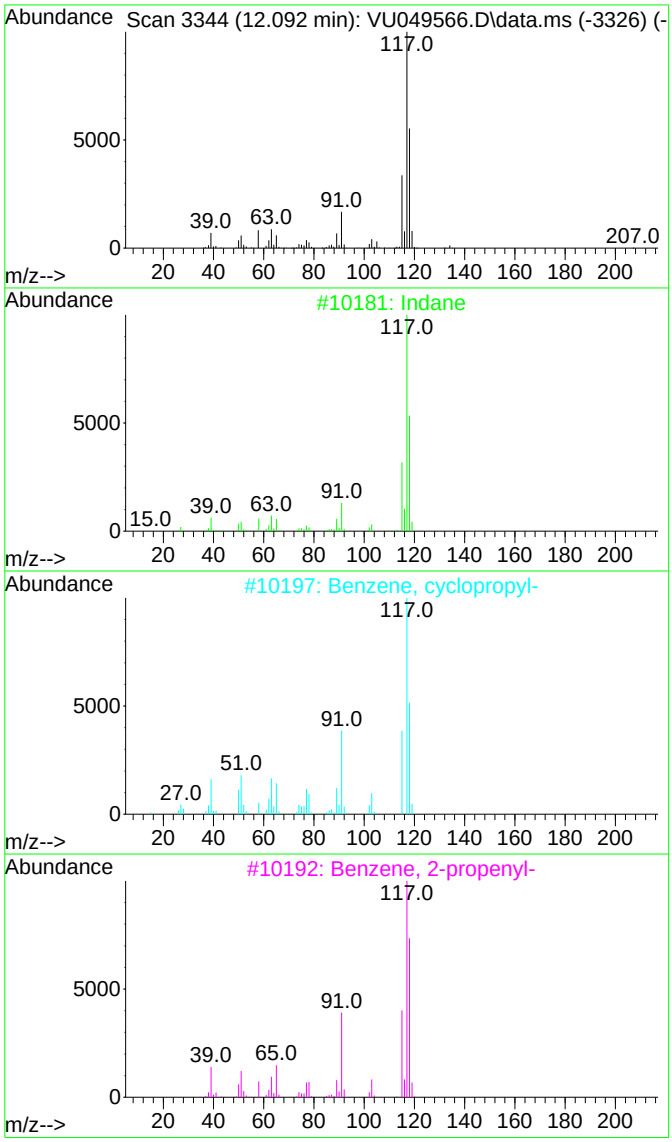
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

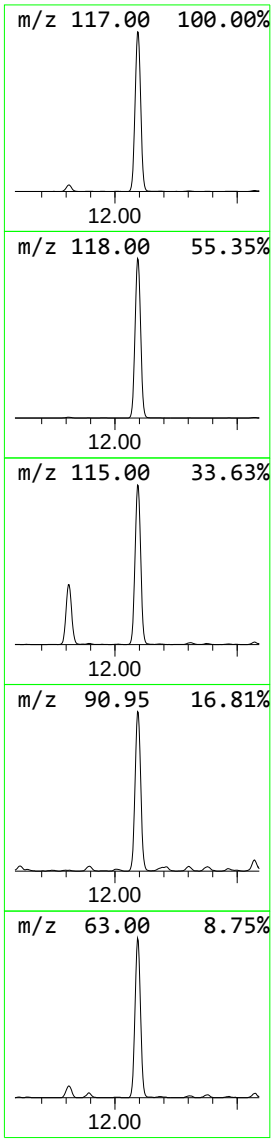
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Indane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.092 | 125.20 ug/l | 2778460 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 91 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 81 |
| 3 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 74 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 74 |
| 5 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

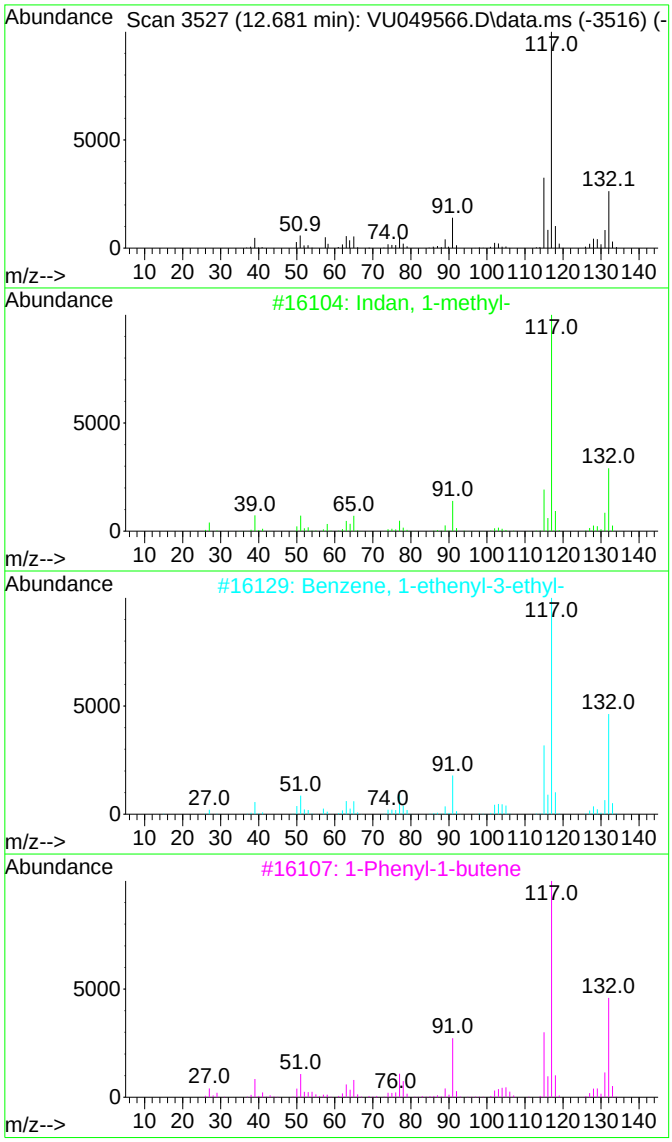
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
Quant Title : SW846 8260

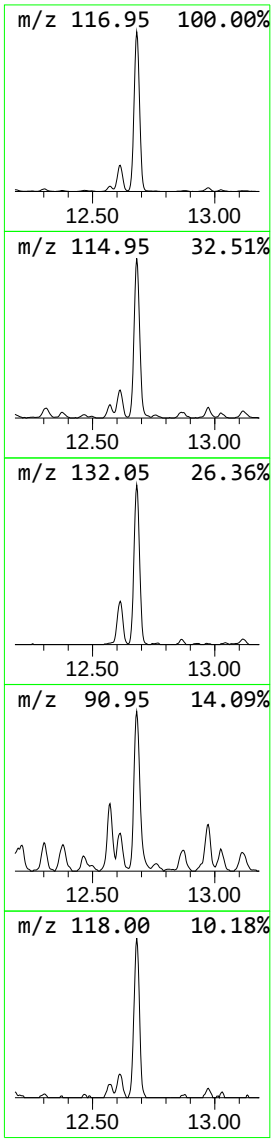
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Indan, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.681 | 22.97 ug/l | 509794 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 91 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 90 |
| 4 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 90 |
| 5 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
Data File : VU049566.D
Acq On : 30 Jun 2022 16:20
Operator : SY/MD
Sample : N3551-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MW-24R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.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, 2-methyl- | 1.990 | 70.3 | ug/l | 4495170 | 1 | 5.372 | 3194930 | 50.0 |
| Pentane, 2-methyl- | 3.080 | 22.1 | ug/l | 1409360 | 1 | 5.372 | 3194930 | 50.0 |
| Cyclopentane | 3.134 | 33.3 | ug/l | 2126580 | 1 | 5.372 | 3194930 | 50.0 |
| Cyclopentane, m... | 4.530 | 56.7 | ug/l | 3623710 | 1 | 5.372 | 3194930 | 50.0 |
| Cyclopentane, 1... | 5.845 | 30.0 | ug/l | 614123 | 2 | 6.250 | 1023310 | 50.0 |
| unknown5.896 | 5.896 | 65.7 | ug/l | 1345260 | 2 | 6.250 | 1023310 | 50.0 |
| Cyclopentane, 1... | 5.986 | 23.4 | ug/l | 479989 | 2 | 6.250 | 1023310 | 50.0 |
| Cyclobutane, (1... | 7.391 | 52.5 | ug/l | 1075380 | 2 | 6.250 | 1023310 | 50.0 |
| Indane | 12.092 | 125.2 | ug/l | 2778460 | 4 | 11.812 | 1109570 | 50.0 |
| Indan, 1-methyl- | 12.681 | 23.0 | ug/l | 509794 | 4 | 11.812 | 1109570 | 50.0 |