LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

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\82X061822W.M
Title : SW846 8260

Signal : TIC: VX029580.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 | 22 | 29 | 40 | rBV2 | 294243 | 489892 | 1.30% | 0.240% |
| 2 | 1.368 | 41 | 46 | 53 | rVV | 920493 | 951115 | 2.53% | 0.466% |
| 3 | 1.752 | 103 | 109 | 122 | rVB | 937537 | 1267921 | 3.38% | 0.621% |
| 4 | 1.953 | 137 | 142 | 155 | rVB2 | 349683 | 551812 | 1.47% | 0.270% |
| 5 | 2.215 | 180 | 185 | 196 | rVB | 501239 | 771846 | 2.05% | 0.378% |
| 6 | 2.751 | 260 | 273 | 281 | rBV2 | 362515 | 946388 | 2.52% | 0.463% |
| 7 | 2.867 | 287 | 292 | 305 | rVB2 | 624725 | 1476680 | 3.93% | 0.723% |
| 8 | 3.111 | 322 | 332 | 348 | rVB3 | 668060 | 1622811 | 4.32% | 0.794% |
| 9 | 3.757 | 426 | 438 | 446 | rBV3 | 559225 | 1862272 | 4.96% | 0.912% |
| 10 | 4.306 | 517 | 528 | 540 | rBV | 972519 | 2807672 | 7.47% | 1.374% |
| 11 | 5.391 | 691 | 706 | 712 | rBV | 158771 | 486980 | 1.30% | 0.238% |
| 12 | 5.477 | 712 | 720 | 727 | rVV | 450514 | 1416337 | 3.77% | 0.693% |
| 13 | 5.556 | 727 | 733 | 766 | rVB | 298299 | 1145753 | 3.05% | 0.561% |
| 14 | 6.050 | 803 | 814 | 827 | rVV | 13098842 | 37564049 | 100.00% | 18.388% |
| 15 | 6.208 | 827 | 840 | 854 | rVV2 | 427876 | 2028019 | 5.40% | 0.993% |
| 16 | 6.336 | 854 | 861 | 879 | rVB6 | 153681 | 638828 | 1.70% | 0.313% |
| 17 | 6.763 | 922 | 931 | 939 | rVV | 438969 | 1078280 | 2.87% | 0.528% |
| 18 | 7.385 | 1021 | 1033 | 1044 | rBV4 | 363404 | 977714 | 2.60% | 0.479% |
| 19 | 8.147 | 1144 | 1158 | 1164 | rBV | 377654 | 835238 | 2.22% | 0.409% |
| 20 | 8.507 | 1210 | 1217 | 1225 | rVB | 447055 | 743753 | 1.98% | 0.364% |
| 21 | 8.653 | 1235 | 1241 | 1246 | rVV | 842062 | 1306592 | 3.48% | 0.640% |
| 22 | 8.720 | 1246 | 1252 | 1259 | rVB | 1949988 | 2974015 | 7.92% | 1.456% |
| 23 | 9.458 | 1365 | 1373 | 1378 | rBV | 553059 | 875850 | 2.33% | 0.429% |
| 24 | 10.055 | 1460 | 1471 | 1475 | rBV | 871776 | 1326322 | 3.53% | 0.649% |
| 25 | 10.201 | 1489 | 1495 | 1500 | rBV | 15743467 | 22256696 | 59.25% | 10.895% |
| 26 | 10.305 | 1506 | 1512 | 1518 | rVB | 12251525 | 17208513 | 45.81% | 8.424% |
| 27 | 10.646 | 1562 | 1568 | 1577 | rVB | 6638429 | 8583757 | 22.85% | 4.202% |
| 28 | 10.963 | 1614 | 1620 | 1625 | rBV | 3305959 | 4169601 | 11.10% | 2.041% |
| 29 | 11.085 | 1635 | 1640 | 1645 | rBV | 671232 | 858121 | 2.28% | 0.420% |
| 30 | 11.305 | 1671 | 1676 | 1681 | rBV | 4907130 | 5996969 | 15.96% | 2.936% |
| 31 | 11.384 | 1684 | 1689 | 1690 | rVV | 1030168 | 1391150 | 3.70% | 0.681% |
| 32 | 11.402 | 1690 | 1692 | 1696 | rVV | 1471075 | 1520349 | 4.05% | 0.744% |
| 33 | 11.451 | 1696 | 1700 | 1706 | rVB | 1089495 | 1334564 | 3.55% | 0.653% |
| 34 | 11.616 | 1721 | 1727 | 1737 | rBV | 3201892 | 3865979 | 10.29% | 1.892% |
| 35 | 11.756 | 1745 | 1750 | 1755 | rVB | 10285294 | 12473491 | 33.21% | 6.106% |
| 36 | 12.024 | 1789 | 1794 | 1799 | rVB | 938084 | 1127356 | 3.00% | 0.552% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

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\82X061822W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.091 | 1799 | 1805 | 1810 | rBV | 3490535 | 4244249 | 11.30% | 2.078% |
| 38 | 12.244 | 1825 | 1830 | 1838 | rBV | 8885313 | 11561755 | 30.78% | 5.659% |
| 39 | 12.317 | 1838 | 1842 | 1849 | rVV2 | 883183 | 1419086 | 3.78% | 0.695% |
| 40 | 12.408 | 1852 | 1857 | 1862 | rVB2 | 556619 | 755703 | 2.01% | 0.370% |
| 41 | 12.463 | 1862 | 1866 | 1872 | rVB | 311081 | 386205 | 1.03% | 0.189% |
| 42 | 12.530 | 1872 | 1877 | 1880 | rBV | 595608 | 809517 | 2.16% | 0.396% |
| 43 | 12.616 | 1886 | 1891 | 1894 | rBV | 4083163 | 4748161 | 12.64% | 2.324% |
| 44 | 12.646 | 1894 | 1896 | 1900 | rVV | 774797 | 822935 | 2.19% | 0.403% |
| 45 | 12.701 | 1900 | 1905 | 1913 | rVB2 | 2565966 | 3467261 | 9.23% | 1.697% |
| 46 | 12.920 | 1934 | 1941 | 1945 | rBV | 2159620 | 2693509 | 7.17% | 1.318% |
| 47 | 12.963 | 1945 | 1948 | 1953 | rVV | 899502 | 1066702 | 2.84% | 0.522% |
| 48 | 13.170 | 1978 | 1982 | 1992 | rVB | 2568123 | 3095636 | 8.24% | 1.515% |
| 49 | 13.292 | 1997 | 2002 | 2008 | rVB2 | 5136307 | 6778649 | 18.05% | 3.318% |
| 50 | 13.426 | 2019 | 2024 | 2030 | rVB | 555321 | 703336 | 1.87% | 0.344% |
| 51 | 13.548 | 2040 | 2044 | 2047 | rVV | 466565 | 711326 | 1.89% | 0.348% |
| 52 | 13.585 | 2047 | 2050 | 2055 | rVV3 | 490334 | 763250 | 2.03% | 0.374% |
| 53 | 13.664 | 2061 | 2063 | 2070 | rVB2 | 474648 | 659157 | 1.75% | 0.323% |
| 54 | 13.780 | 2074 | 2082 | 2091 | rBV | 4941957 | 6423029 | 17.10% | 3.144% |
| 55 | 14.079 | 2126 | 2131 | 2137 | rBV | 427972 | 558421 | 1.49% | 0.273% |
| 56 | 14.219 | 2149 | 2154 | 2159 | rBV | 385858 | 653460 | 1.74% | 0.320% |
| 57 | 14.371 | 2176 | 2179 | 2184 | rVB | 310988 | 382856 | 1.02% | 0.187% |
| 58 | 14.640 | 2219 | 2223 | 2233 | rVB | 710309 | 996402 | 2.65% | 0.488% |
| 59 | 14.780 | 2241 | 2246 | 2255 | rBV | 2121083 | 2663599 | 7.09% | 1.304% |
| 60 | 15.481 | 2355 | 2361 | 2366 | rBV | 254226 | 403241 | 1.07% | 0.197% |
| 61 | 15.615 | 2377 | 2383 | 2387 | rBV | 406376 | 589236 | 1.57% | 0.288% |

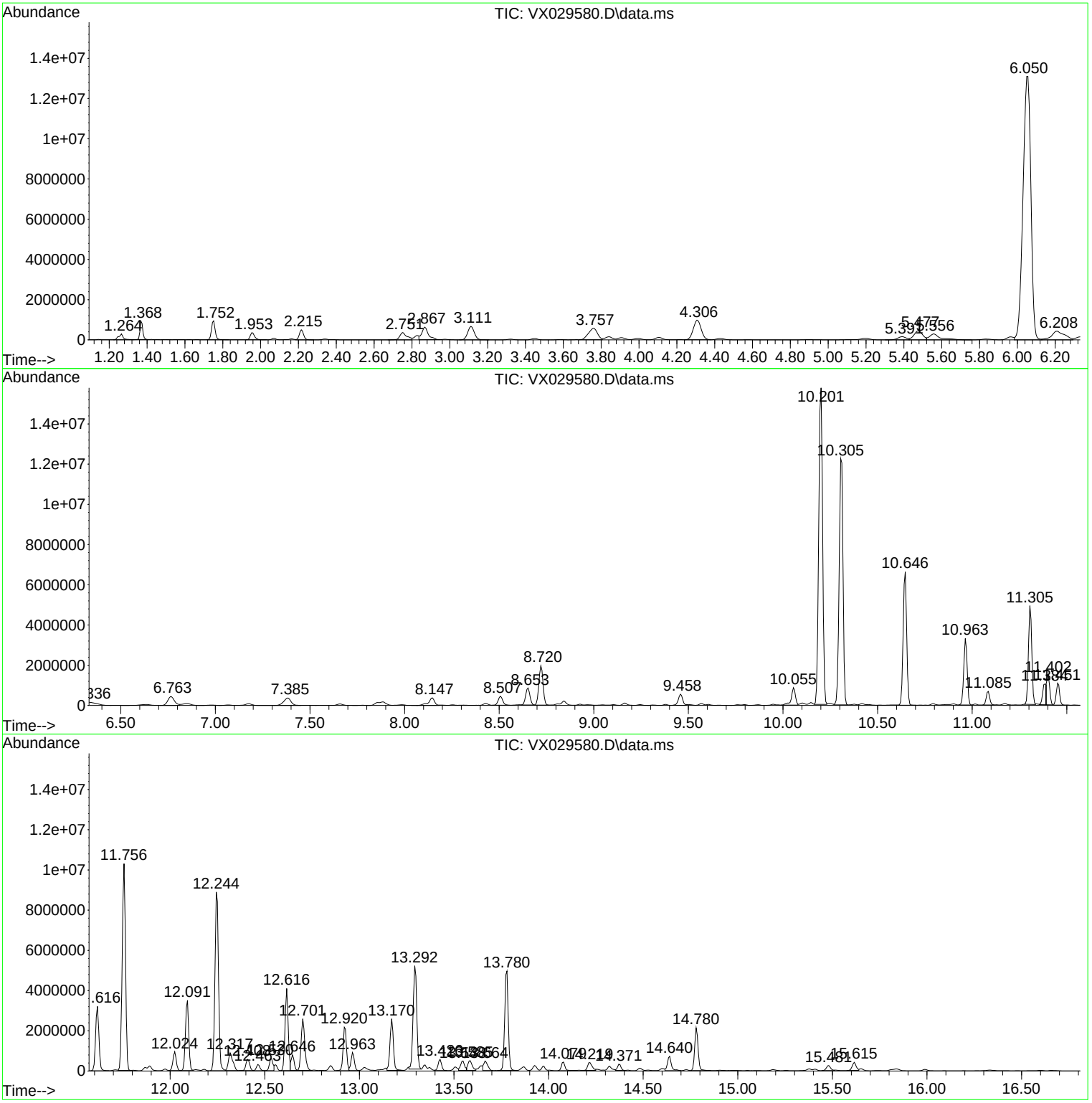
Sum of corrected areas: 204289366

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

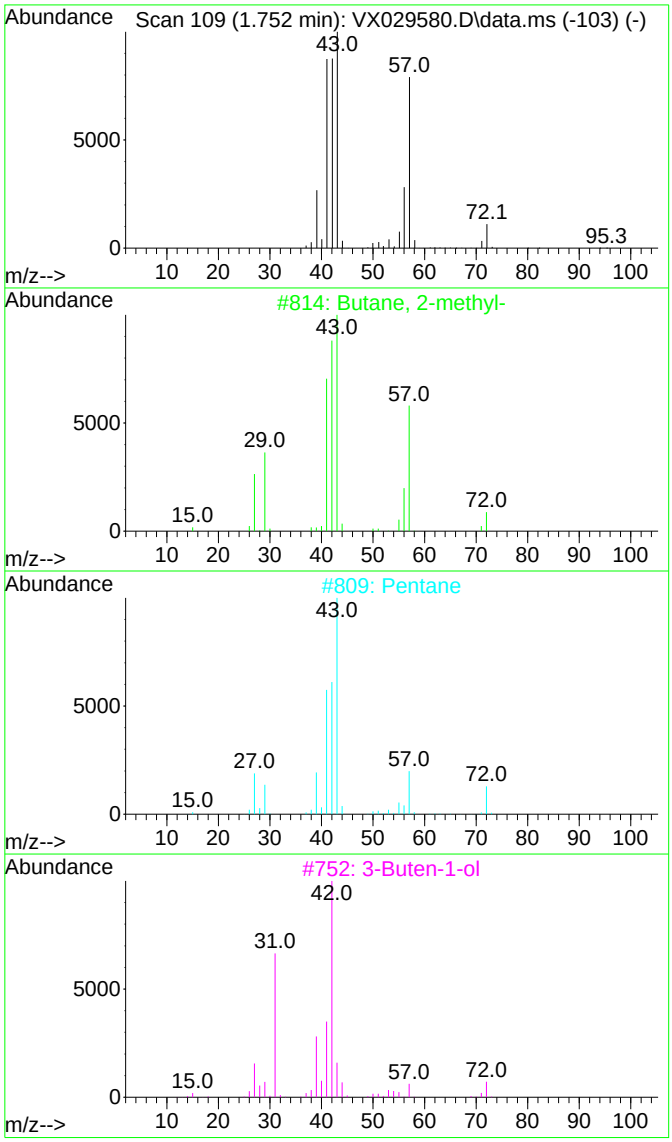
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

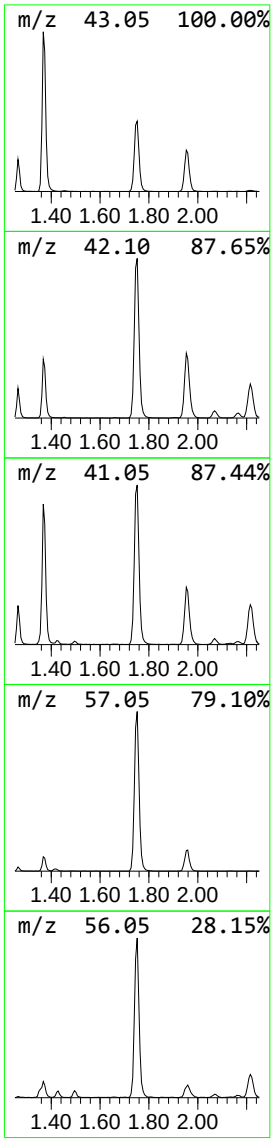
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.752 | 55.33 ug/l | 1267920 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methyl- | 72 | C5H12 | 000078-78-4 | 87 |
| 2 | Pentane | 72 | C5H12 | 000109-66-0 | 38 |
| 3 | 3-Buten-1-ol | 72 | C4H8O | 000627-27-0 | 25 |
| 4 | Butane, 2-nitro- | 103 | C4H9NO2 | 000600-24-8 | 10 |
| 5 | Butane, 1-chloro-2-methyl- | 106 | C5H11Cl | 000616-13-7 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

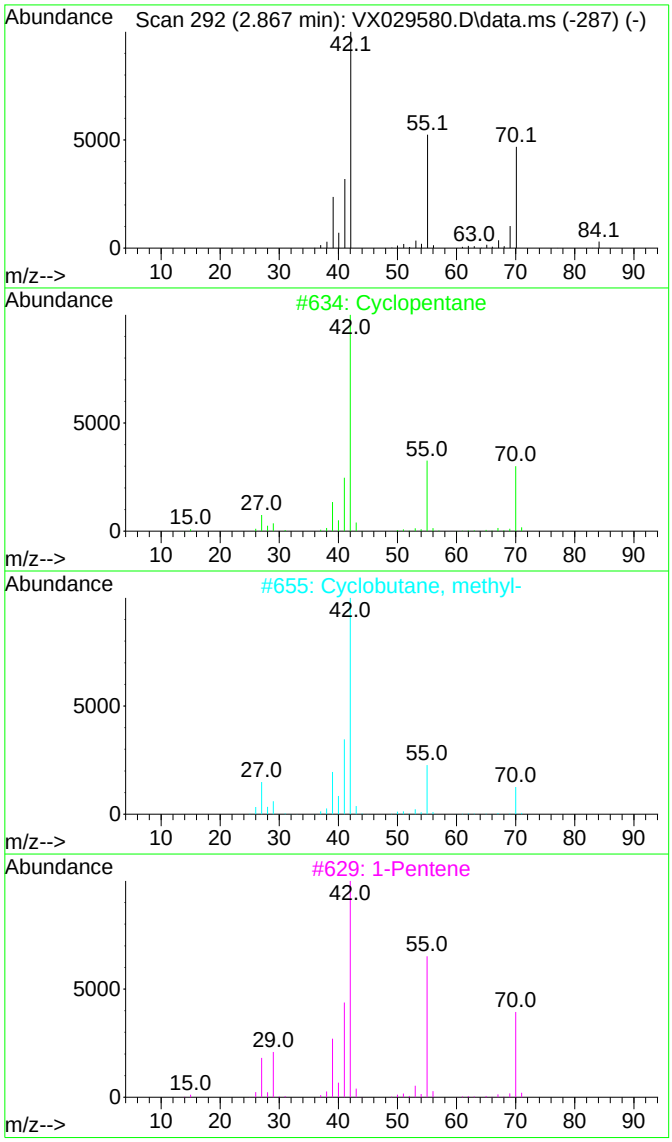
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

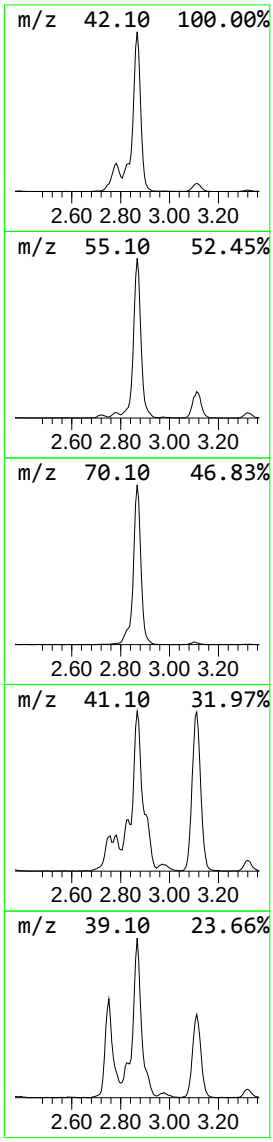
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Cyclopentane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.867 | 64.44 ug/l | 1476680 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 86 |
| 2 | Cyclobutane, methyl- | 70 | C5H10 | 000598-61-8 | 72 |
| 3 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 56 |
| 4 | 2-Pentene, (Z)- | 70 | C5H10 | 000627-20-3 | 43 |
| 5 | Cyclopropane, 1,1-dimethyl- | 70 | C5H10 | 001630-94-0 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

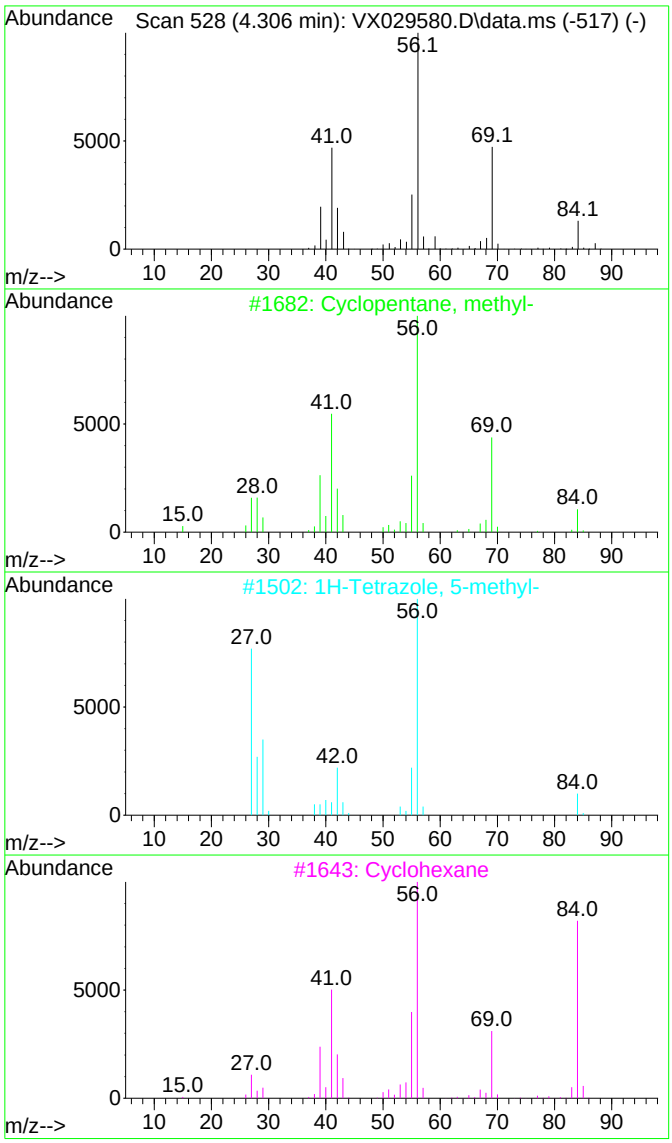
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

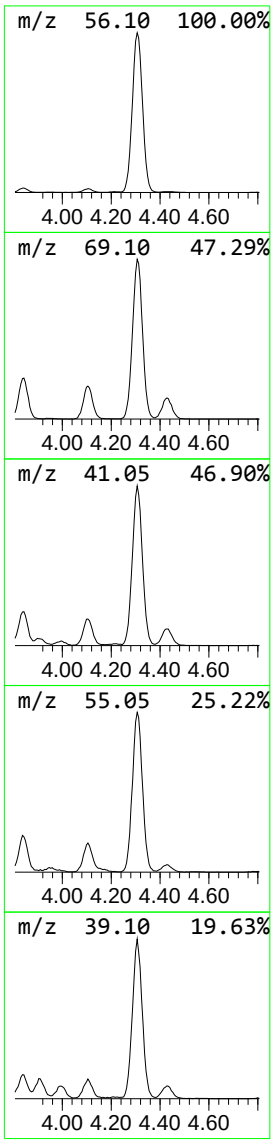
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Cyclopentane, methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.306 | 122.53 ug/l | 2807670 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 72 |
| 3 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 72 |
| 4 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 64 |
| 5 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

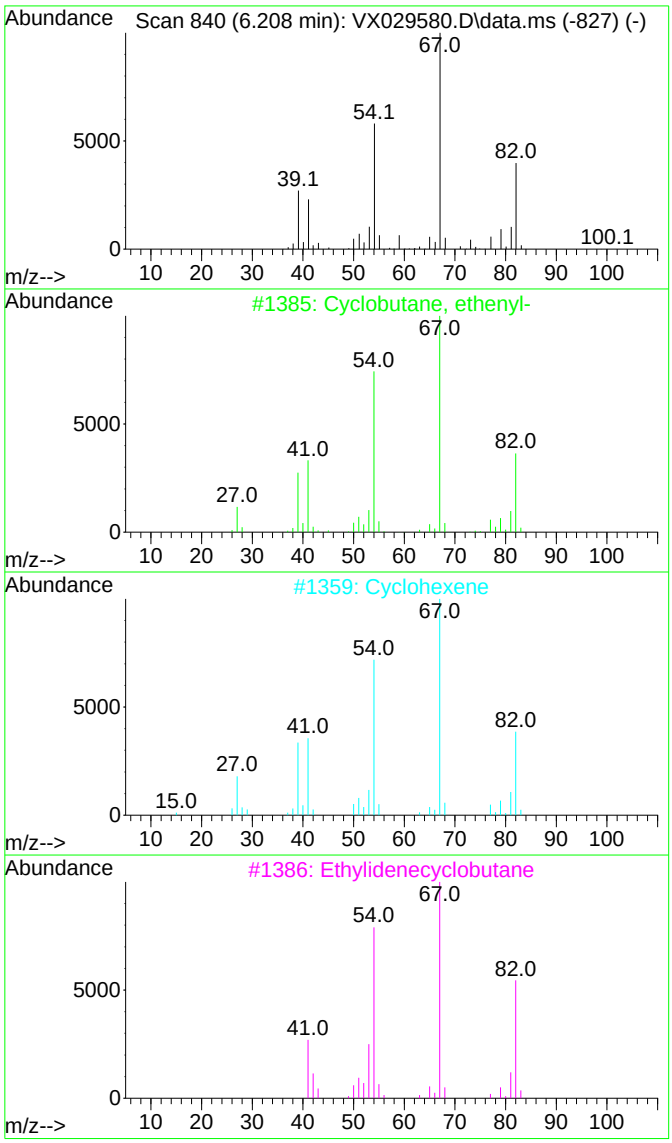
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

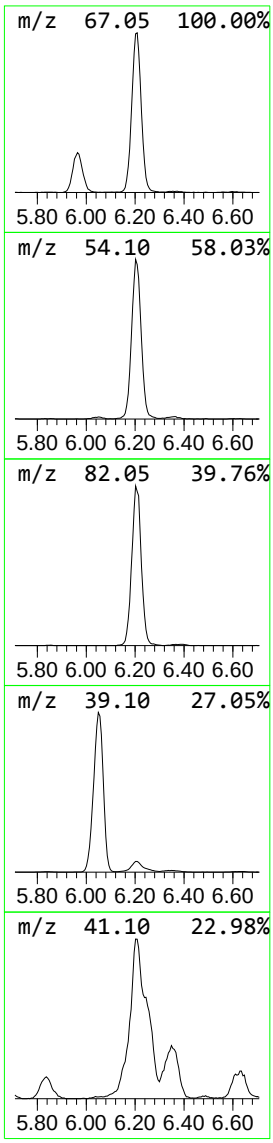
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclobutane, ethenyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.208 | 94.04 ug/l | 2028020 | 1,4-Difluorobenzene | 6.763 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclobutane, ethenyl- | 82 | C6H10 | 002597-49-1 | 93 |
| 2 | Cyclohexene | 82 | C6H10 | 000110-83-8 | 93 |
| 3 | Ethylidenecyclobutane | 82 | C6H10 | 001528-21-8 | 83 |
| 4 | 4-Methyl-1,3-pentadiene | 82 | C6H10 | 000926-56-7 | 62 |
| 5 | 1,3-Pentadiene, 2-methyl-, (E)- | 82 | C6H10 | 000926-54-5 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

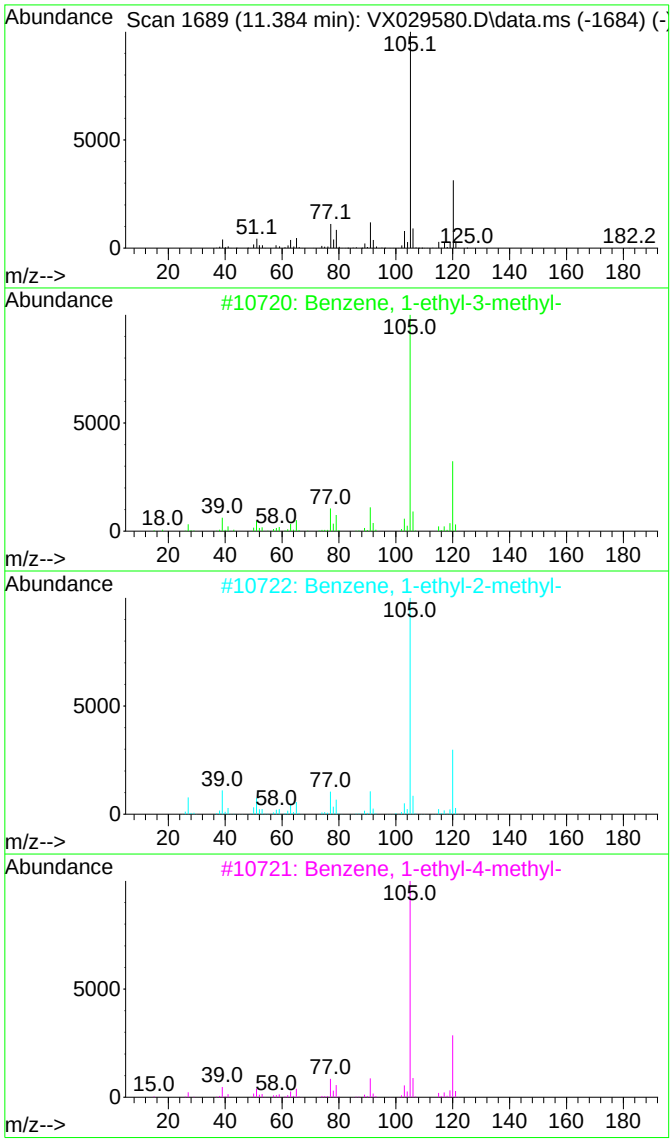
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

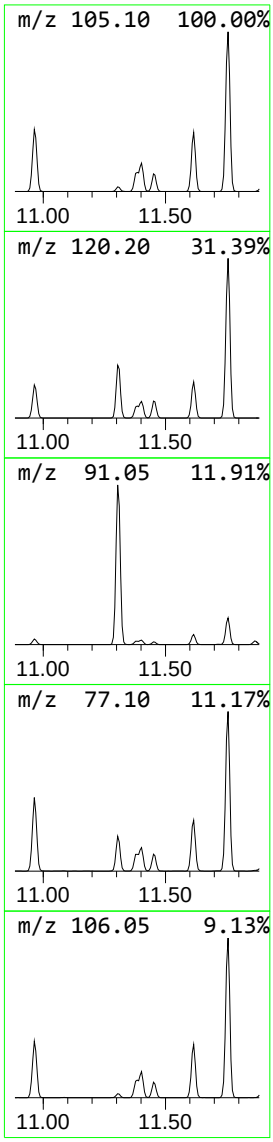
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.384 | 61.70 ug/l | 1391150 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

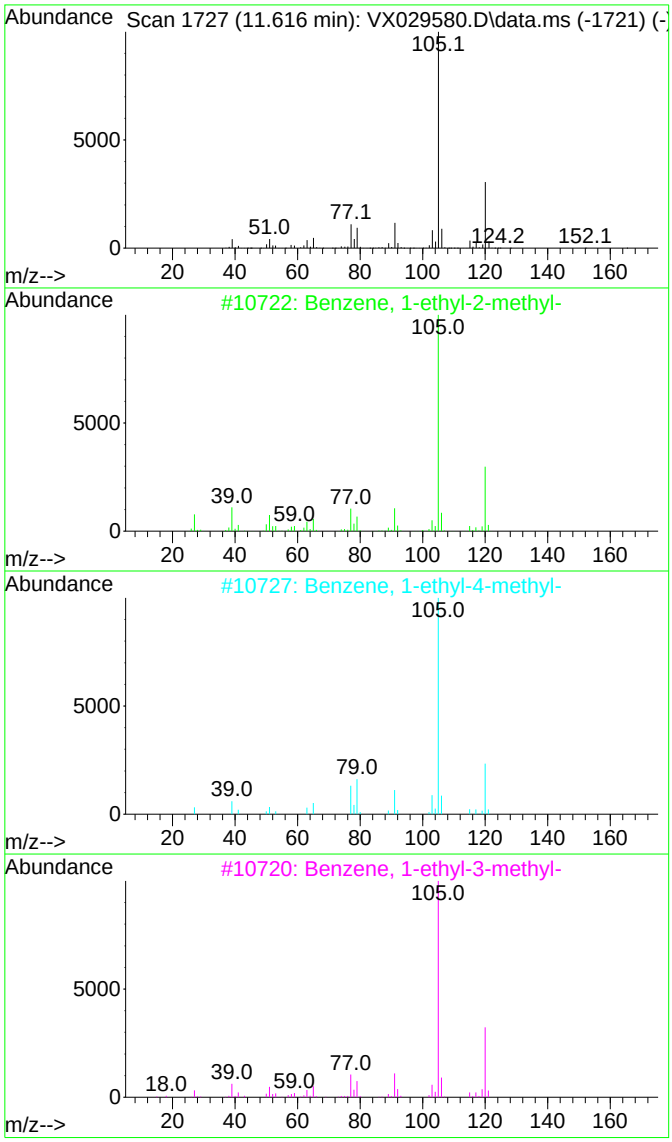
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

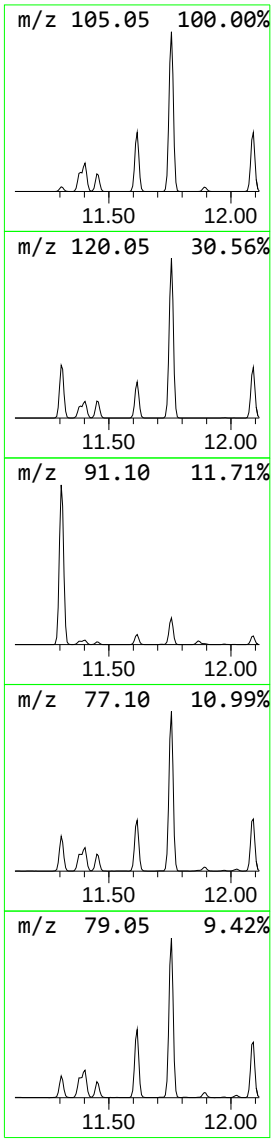
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.616 | 171.46 ug/l | 3865980 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 94 |
| 3 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

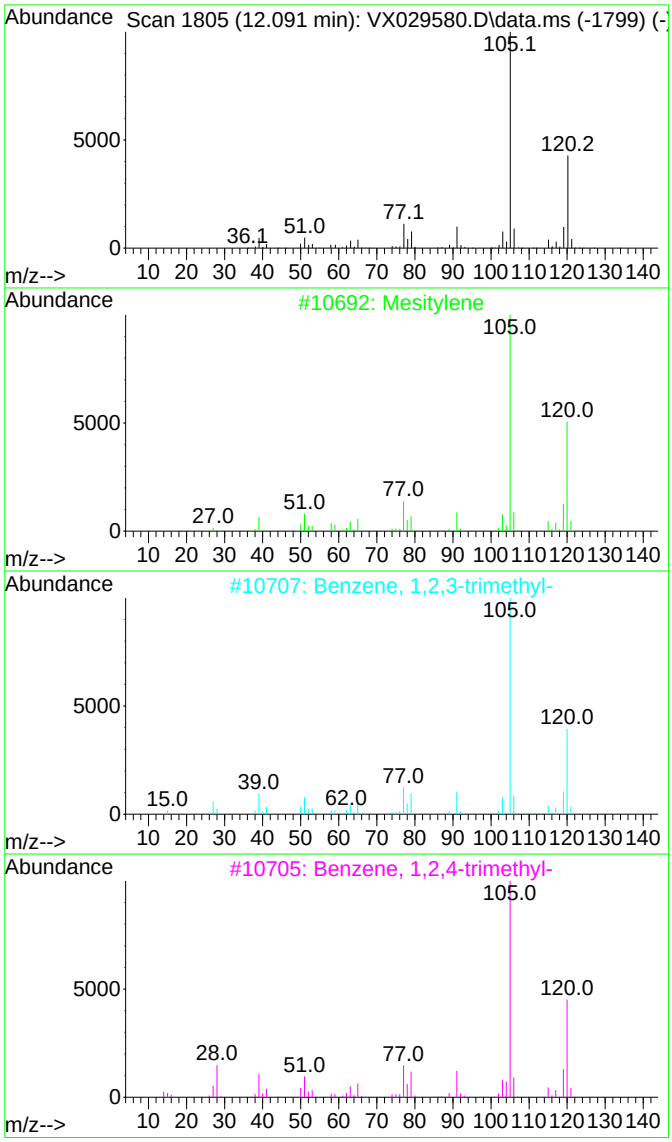
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

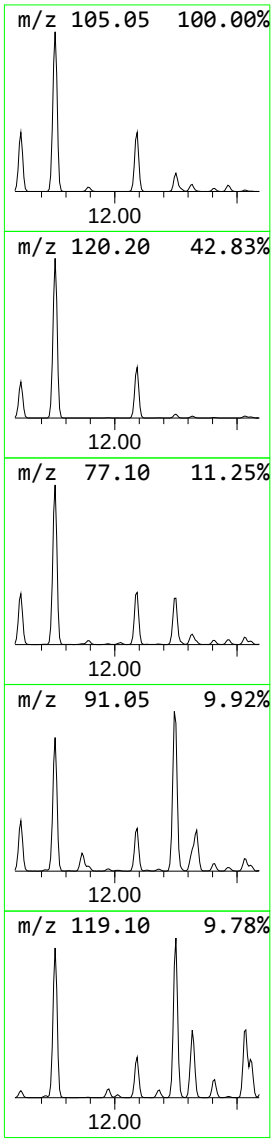
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.091 | 188.24 ug/l | 4244250 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

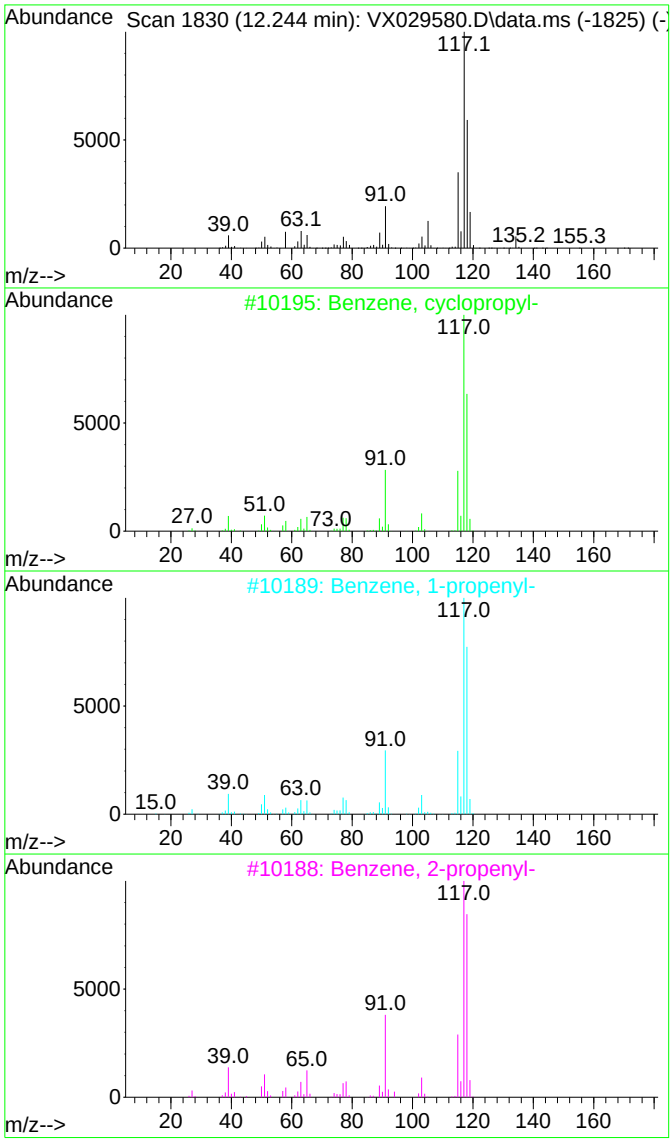
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

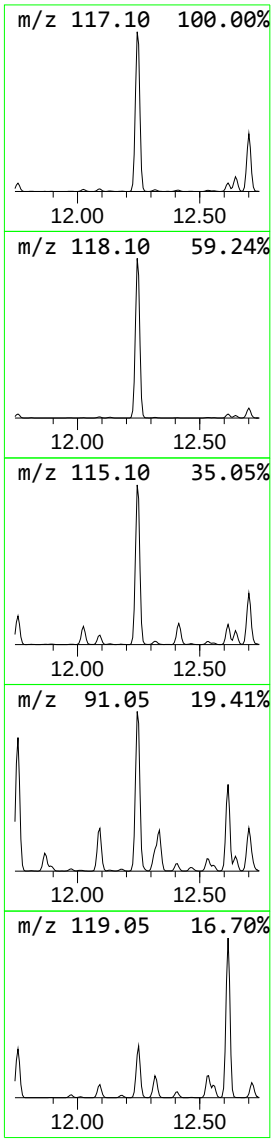
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, cyclopropyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.244 | 512.78 ug/l | 11561800 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 76 |
| 2 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 76 |
| 3 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 76 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

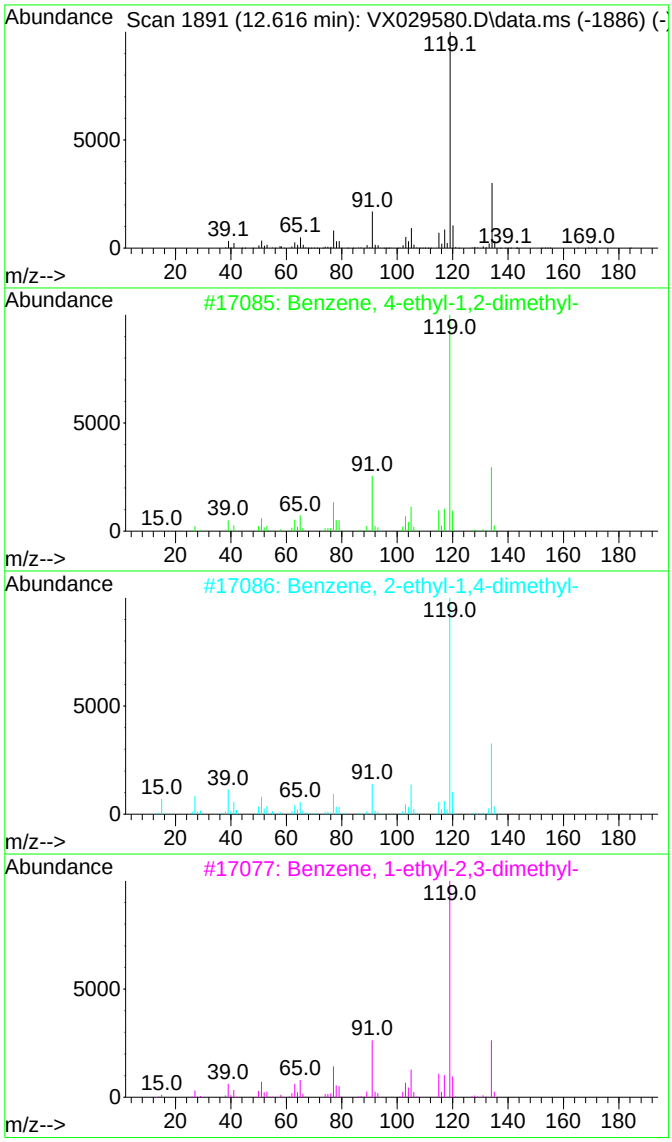
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

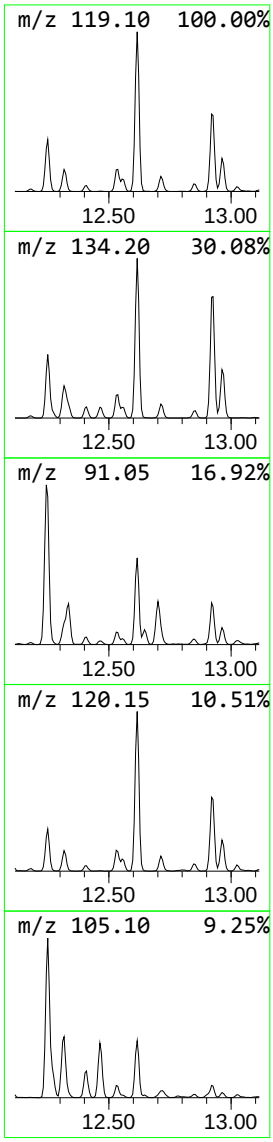
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.616 | 210.59 ug/l | 4748160 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

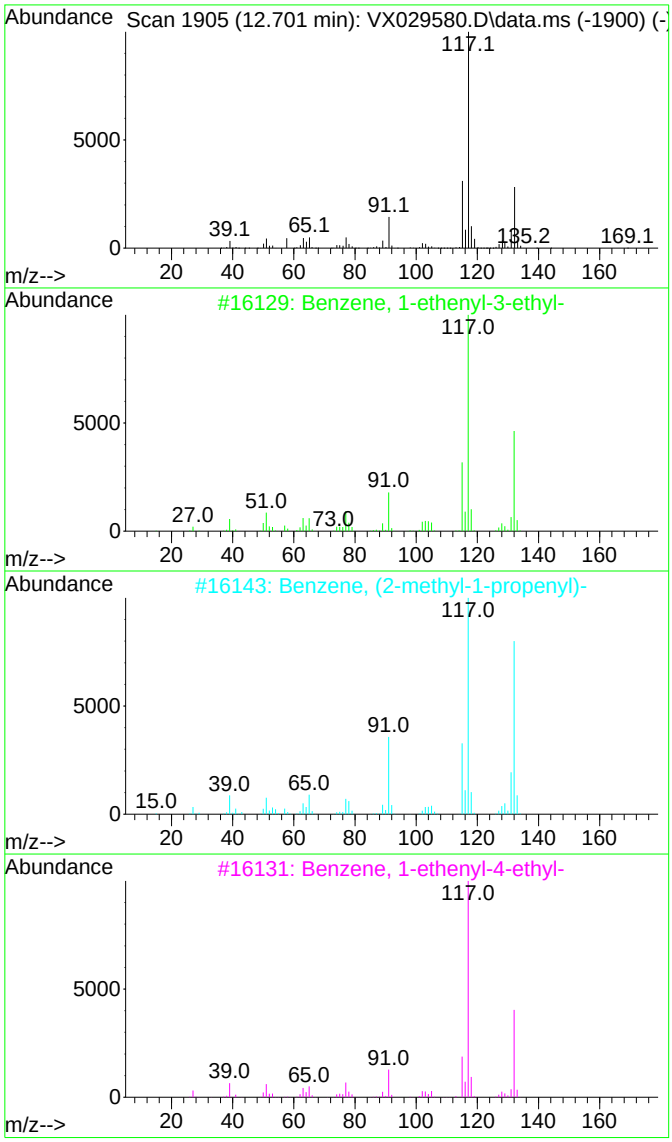
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

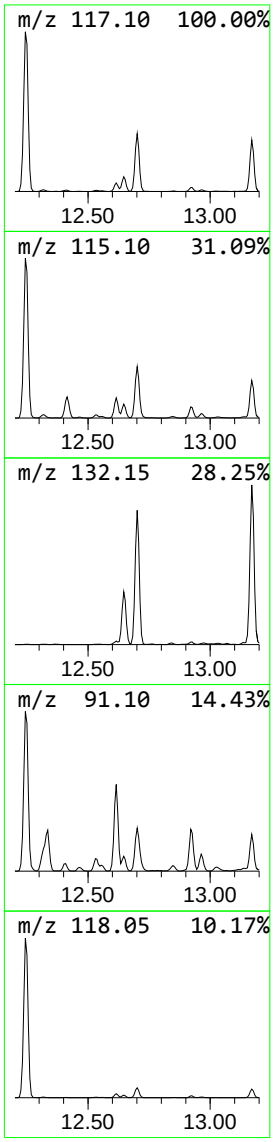
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.701 | 153.78 ug/l | 3467260 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 90 |
| 2 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 90 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 87 |
| 4 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 87 |
| 5 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

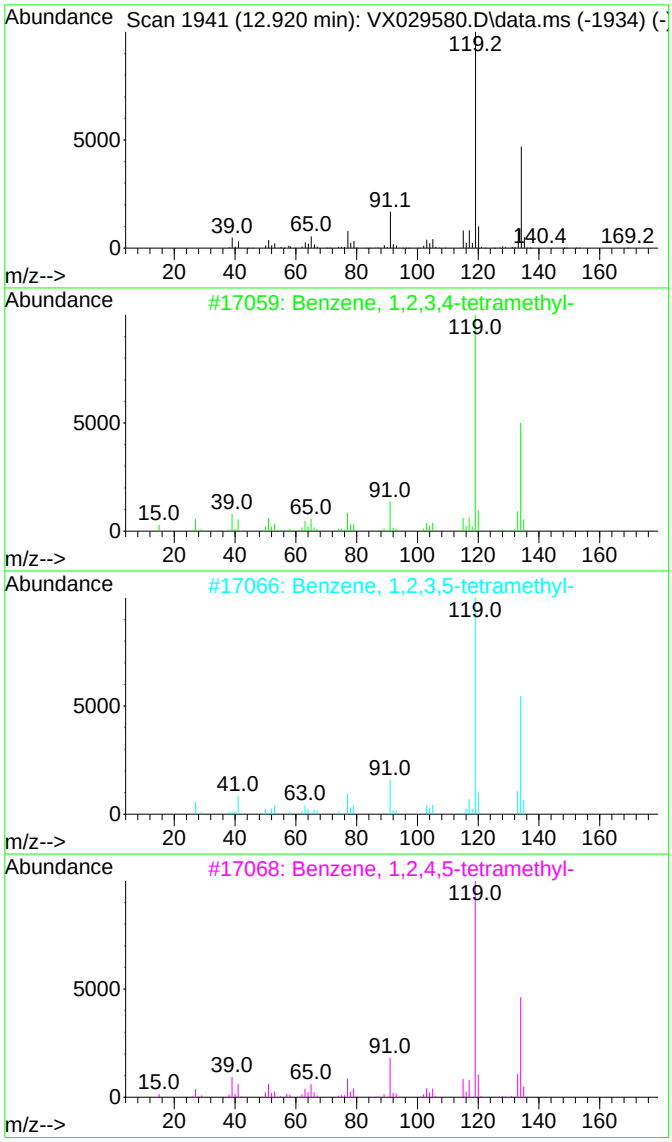
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

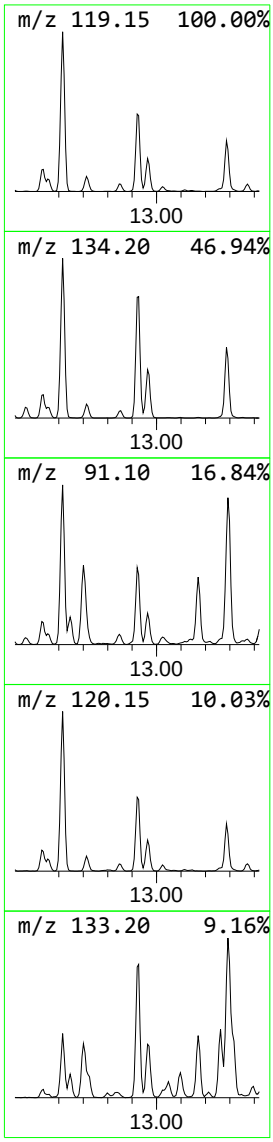
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.920 | 119.46 ug/l | 2693510 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 96 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

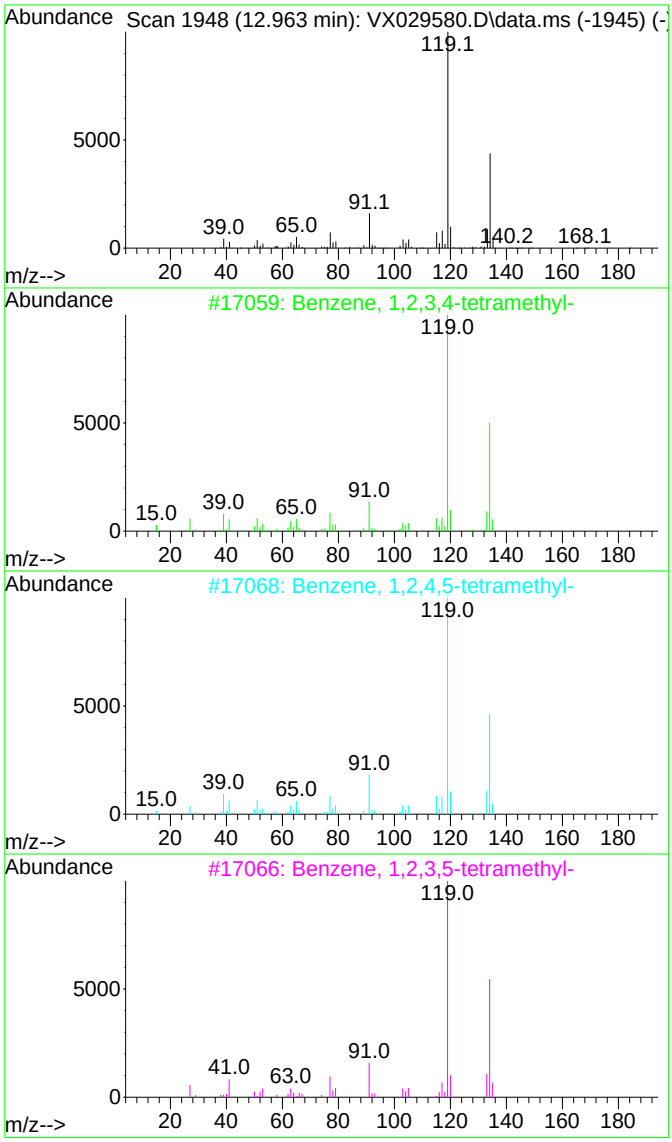
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

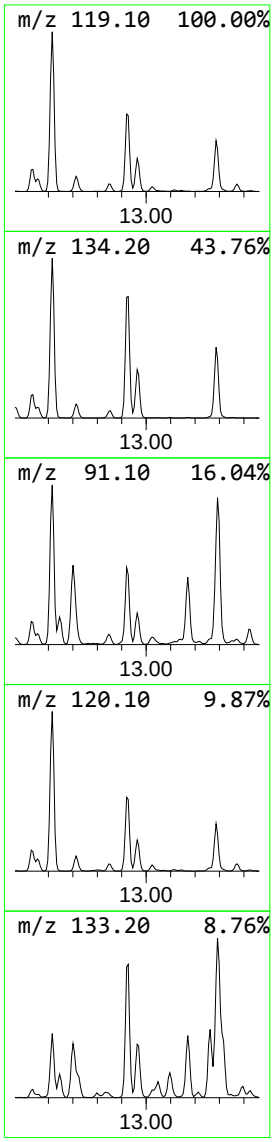
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.963 | 47.31 ug/l | 1066700 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

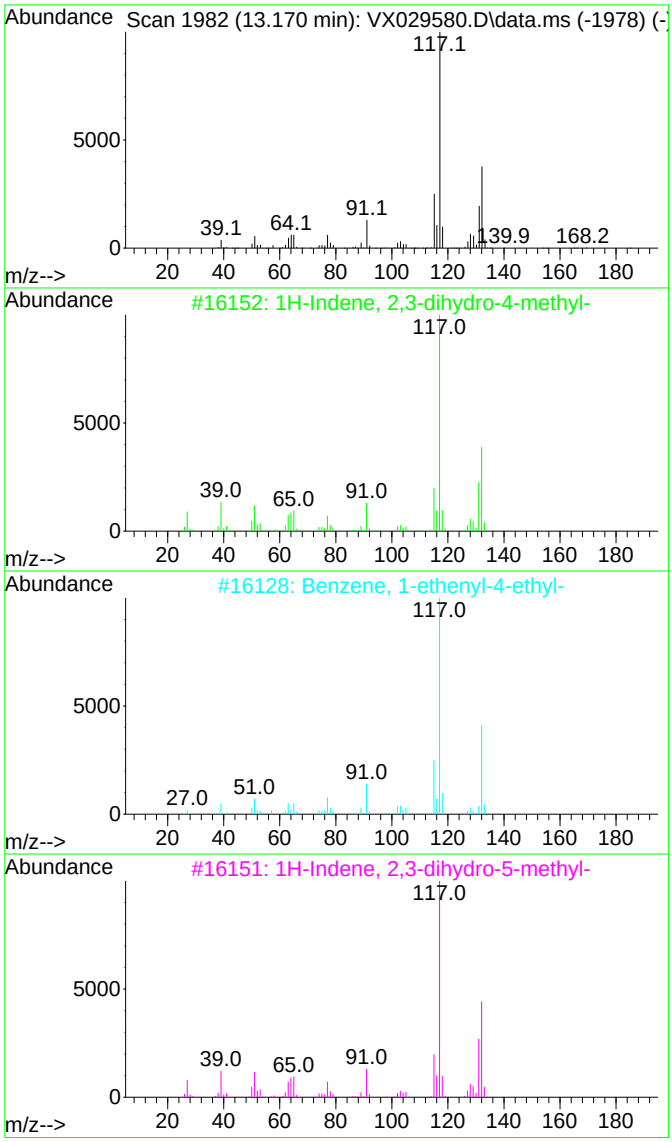
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

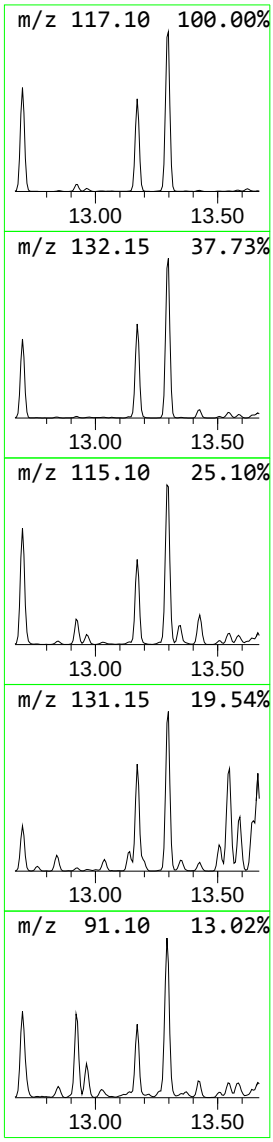
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.170 | 137.30 ug/l | 3095640 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 95 |
| 2 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 93 |
| 4 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

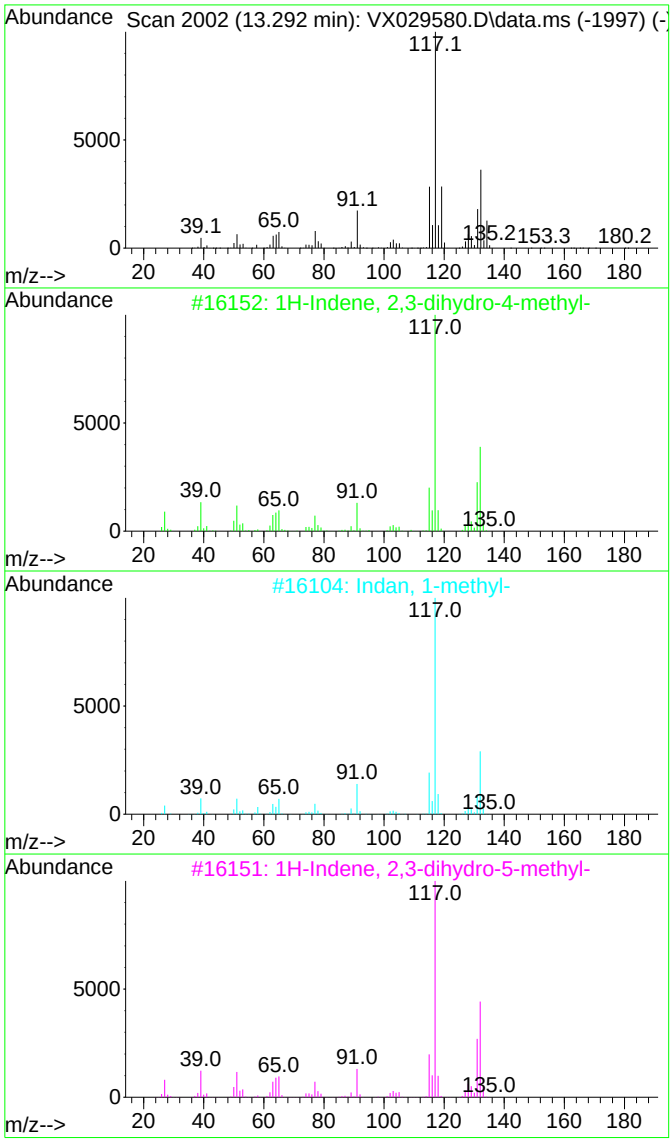
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

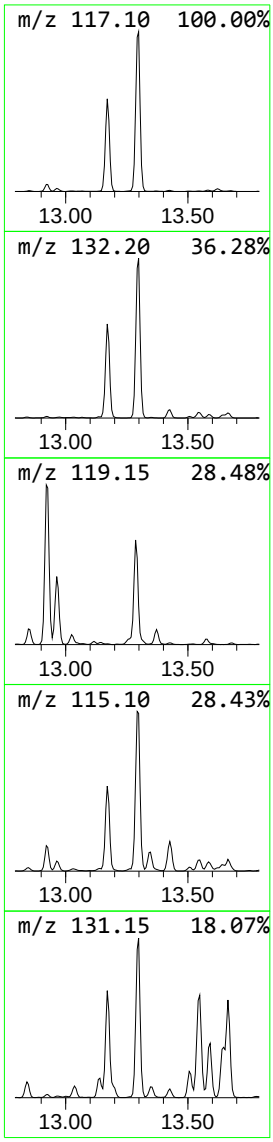
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Indan, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.292 | 300.64 ug/l | 6778650 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 93 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 93 |
| 3 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 89 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

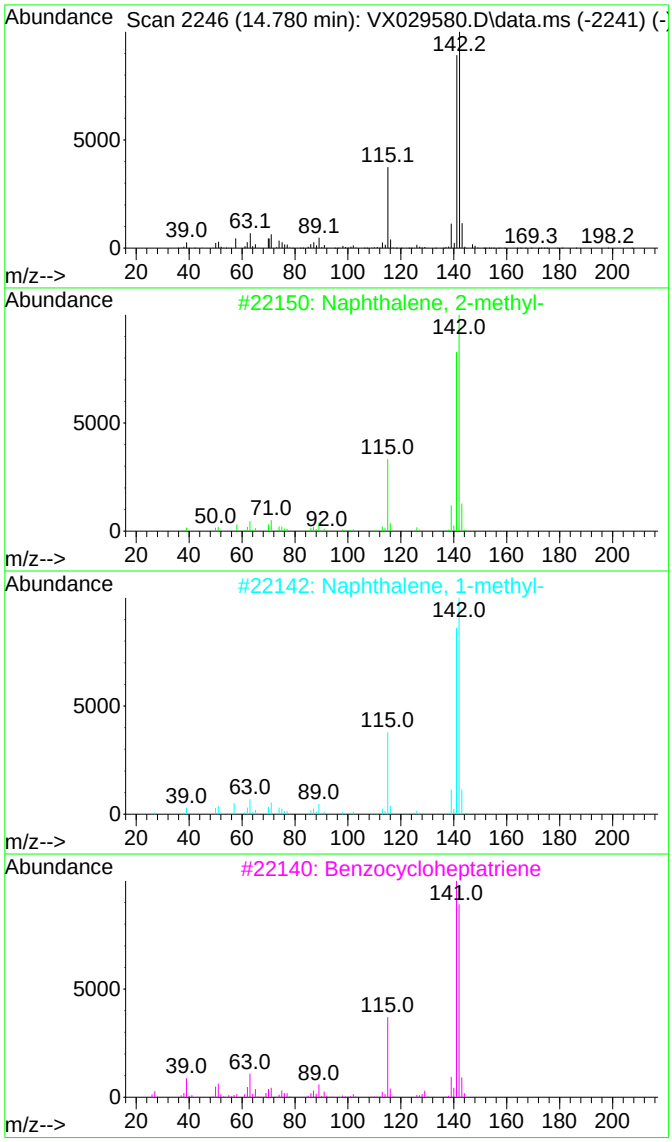
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

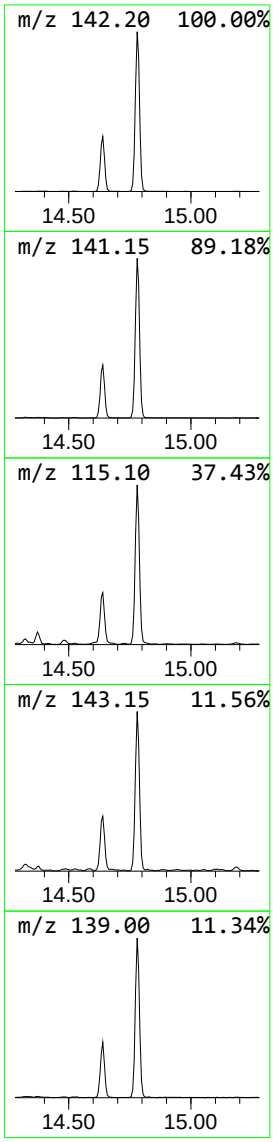
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Naphthalene, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.780 | 118.14 ug/l | 2663600 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
Data File : VX029580.D
Acq On : 18 Jun 2022 19:19
Operator : JC/MD
Sample : N3290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.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- | 1.752 | 55.3 | ug/l | 1267920 | 1 | 5.556 | 1145750 | 50.0 |
| Cyclopentane | 2.867 | 64.4 | ug/l | 1476680 | 1 | 5.556 | 1145750 | 50.0 |
| Cyclopentane, m... | 4.306 | 122.5 | ug/l | 2807670 | 1 | 5.556 | 1145750 | 50.0 |
| Cyclobutane, et... | 6.208 | 94.0 | ug/l | 2028020 | 2 | 6.763 | 1078280 | 50.0 |
| Benzene, 1-ethy... | 11.384 | 61.7 | ug/l | 1391150 | 4 | 12.024 | 1127360 | 50.0 |
| Benzene, 1-ethy... | 11.616 | 171.5 | ug/l | 3865980 | 4 | 12.024 | 1127360 | 50.0 |
| Benzene, 1,2,3-... | 12.091 | 188.2 | ug/l | 4244250 | 4 | 12.024 | 1127360 | 50.0 |
| Benzene, cyclop... | 12.244 | 512.8 | ug/l | 11561800 | 4 | 12.024 | 1127360 | 50.0 |
| Benzene, 4-ethy... | 12.616 | 210.6 | ug/l | 4748160 | 4 | 12.024 | 1127360 | 50.0 |
| Benzene, 1-ethe... | 12.701 | 153.8 | ug/l | 3467260 | 4 | 12.024 | 1127360 | 50.0 |
| Benzene, 1,2,3,... | 12.920 | 119.5 | ug/l | 2693510 | 4 | 12.024 | 1127360 | 50.0 |
| Benzene, 1,2,4,... | 12.963 | 47.3 | ug/l | 1066700 | 4 | 12.024 | 1127360 | 50.0 |
| 1H-Indene, 2,3-... | 13.170 | 137.3 | ug/l | 3095640 | 4 | 12.024 | 1127360 | 50.0 |
| Indan, 1-methyl- | 13.292 | 300.6 | ug/l | 6778650 | 4 | 12.024 | 1127360 | 50.0 |
| Naphthalene, 2-... | 14.780 | 118.1 | ug/l | 2663600 | 4 | 12.024 | 1127360 | 50.0 |