LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

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: VX029700.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.361 | 41 | 45 | 56 | rBV2 | 60696 | 83242 | 1.90% | 0.311% |
| 2 | 1.453 | 56 | 60 | 73 | rBV | 238722 | 274146 | 6.26% | 1.025% |
| 3 | 2.379 | 206 | 212 | 229 | rBV | 326877 | 532334 | 12.15% | 1.991% |
| 4 | 2.946 | 297 | 305 | 319 | rBV | 20070 | 52625 | 1.20% | 0.197% |
| 5 | 4.233 | 506 | 516 | 533 | rBV | 88155 | 256523 | 5.85% | 0.960% |
| 6 | 5.391 | 694 | 706 | 721 | rBV2 | 140430 | 409201 | 9.34% | 1.531% |
| 7 | 5.555 | 721 | 733 | 750 | rVB | 264073 | 737589 | 16.83% | 2.759% |
| 8 | 5.958 | 787 | 799 | 819 | rBV | 150760 | 406502 | 9.28% | 1.521% |
| 9 | 6.763 | 920 | 931 | 943 | rBV | 393343 | 943424 | 21.53% | 3.529% |
| 10 | 6.878 | 943 | 950 | 959 | rVB2 | 31593 | 72440 | 1.65% | 0.271% |
| 11 | 7.220 | 998 | 1006 | 1016 | rBV | 189065 | 426776 | 9.74% | 1.596% |
| 12 | 8.134 | 1149 | 1156 | 1165 | rBV | 38280 | 75195 | 1.72% | 0.281% |
| 13 | 8.652 | 1232 | 1241 | 1248 | rBV | 785094 | 1240672 | 28.31% | 4.641% |
| 14 | 8.726 | 1248 | 1253 | 1269 | rVB2 | 296607 | 512221 | 11.69% | 1.916% |
| 15 | 8.963 | 1286 | 1292 | 1299 | rBV | 135470 | 228064 | 5.20% | 0.853% |
| 16 | 9.030 | 1299 | 1303 | 1312 | rVB | 104240 | 168827 | 3.85% | 0.631% |
| 17 | 9.238 | 1333 | 1337 | 1351 | rVB | 36208 | 61476 | 1.40% | 0.230% |
| 18 | 9.536 | 1380 | 1386 | 1389 | rBV | 350612 | 574448 | 13.11% | 2.149% |
| 19 | 10.055 | 1465 | 1471 | 1481 | rBV | 822068 | 1075625 | 24.54% | 4.023% |
| 20 | 10.317 | 1504 | 1514 | 1525 | rBV | 915026 | 1399767 | 31.94% | 5.236% |
| 21 | 11.085 | 1634 | 1640 | 1645 | rBV | 597519 | 777048 | 17.73% | 2.907% |
| 22 | 11.646 | 1723 | 1732 | 1737 | rBV | 3141149 | 4382332 | 100.00% | 16.392% |
| 23 | 11.749 | 1747 | 1749 | 1754 | rVB2 | 42752 | 57011 | 1.30% | 0.213% |
| 24 | 11.871 | 1765 | 1769 | 1776 | rVB | 101612 | 140894 | 3.22% | 0.527% |
| 25 | 11.981 | 1782 | 1787 | 1790 | rBV2 | 264139 | 394461 | 9.00% | 1.475% |
| 26 | 12.024 | 1790 | 1794 | 1801 | rVB | 831580 | 1011624 | 23.08% | 3.784% |
| 27 | 12.152 | 1812 | 1815 | 1821 | rVB | 38528 | 49120 | 1.12% | 0.184% |
| 28 | 12.219 | 1821 | 1826 | 1837 | rBV | 460447 | 851070 | 19.42% | 3.183% |
| 29 | 12.384 | 1849 | 1853 | 1857 | rBV | 78258 | 108805 | 2.48% | 0.407% |
| 30 | 12.451 | 1861 | 1864 | 1873 | rVB4 | 58486 | 105866 | 2.42% | 0.396% |
| 31 | 12.573 | 1879 | 1884 | 1900 | rVB | 179528 | 388561 | 8.87% | 1.453% |
| 32 | 12.792 | 1913 | 1920 | 1926 | rBV8 | 37848 | 86976 | 1.98% | 0.325% |
| 33 | 12.853 | 1926 | 1930 | 1935 | rVV5 | 42911 | 84561 | 1.93% | 0.316% |
| 34 | 12.908 | 1935 | 1939 | 1944 | rVV4 | 53888 | 102123 | 2.33% | 0.382% |
| 35 | 12.969 | 1945 | 1949 | 1956 | rVB4 | 23910 | 50223 | 1.15% | 0.188% |
| 36 | 13.139 | 1969 | 1977 | 1986 | rBV4 | 64178 | 202885 | 4.63% | 0.759% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
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Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

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 | 13.219 | 1987 | 1990 | 1996 | rVV6 | 19319 | 50974 | 1.16% | 0.191% |
| 38 | 13.292 | 1999 | 2002 | 2007 | rVB2 | 38446 | 54847 | 1.25% | 0.205% |
| 39 | 13.414 | 2019 | 2022 | 2033 | rVB7 | 58065 | 134453 | 3.07% | 0.503% |
| 40 | 13.609 | 2047 | 2054 | 2058 | rBV2 | 178577 | 261914 | 5.98% | 0.980% |
| 41 | 13.700 | 2064 | 2069 | 2073 | rBV4 | 46762 | 80251 | 1.83% | 0.300% |
| 42 | 13.774 | 2076 | 2081 | 2088 | rVV | 488343 | 655505 | 14.96% | 2.452% |
| 43 | 13.847 | 2088 | 2093 | 2100 | rVV | 185193 | 265791 | 6.07% | 0.994% |
| 44 | 13.914 | 2100 | 2104 | 2115 | rVB | 198242 | 318766 | 7.27% | 1.192% |
| 45 | 14.097 | 2128 | 2134 | 2150 | rBV | 1872152 | 2954230 | 67.41% | 11.050% |
| 46 | 14.225 | 2151 | 2155 | 2160 | rVB4 | 73350 | 124974 | 2.85% | 0.467% |
| 47 | 14.377 | 2177 | 2180 | 2184 | rVB2 | 36101 | 47122 | 1.08% | 0.176% |
| 48 | 14.432 | 2184 | 2189 | 2193 | rBV3 | 85622 | 160322 | 3.66% | 0.600% |
| 49 | 14.639 | 2216 | 2223 | 2227 | rBV | 590660 | 810018 | 18.48% | 3.030% |
| 50 | 14.779 | 2240 | 2246 | 2251 | rBV | 457933 | 571344 | 13.04% | 2.137% |
| 51 | 15.206 | 2308 | 2316 | 2321 | rBV2 | 153590 | 240303 | 5.48% | 0.899% |
| 52 | 15.377 | 2340 | 2344 | 2347 | rBV | 67985 | 94454 | 2.16% | 0.353% |
| 53 | 15.407 | 2347 | 2349 | 2354 | rVB2 | 34650 | 47438 | 1.08% | 0.177% |
| 54 | 15.481 | 2355 | 2361 | 2366 | rBV | 195799 | 297514 | 6.79% | 1.113% |
| 55 | 15.615 | 2377 | 2383 | 2386 | rBV | 238786 | 358039 | 8.17% | 1.339% |
| 56 | 15.651 | 2386 | 2389 | 2394 | rVV | 166249 | 226463 | 5.17% | 0.847% |
| 57 | 15.840 | 2412 | 2420 | 2429 | rVB | 77741 | 198246 | 4.52% | 0.742% |
| 58 | 15.987 | 2439 | 2444 | 2455 | rVB2 | 52165 | 123323 | 2.81% | 0.461% |
| 59 | 16.090 | 2455 | 2461 | 2468 | rBV2 | 89406 | 168488 | 3.84% | 0.630% |
| 60 | 16.194 | 2474 | 2478 | 2485 | rVB3 | 36084 | 67216 | 1.53% | 0.251% |
| 61 | 16.602 | 2541 | 2545 | 2549 | rVB3 | 33199 | 50669 | 1.16% | 0.190% |
| 62 | 16.657 | 2550 | 2554 | 2559 | rBV2 | 26161 | 47093 | 1.07% | 0.176% |

Sum of corrected areas: 26734414

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
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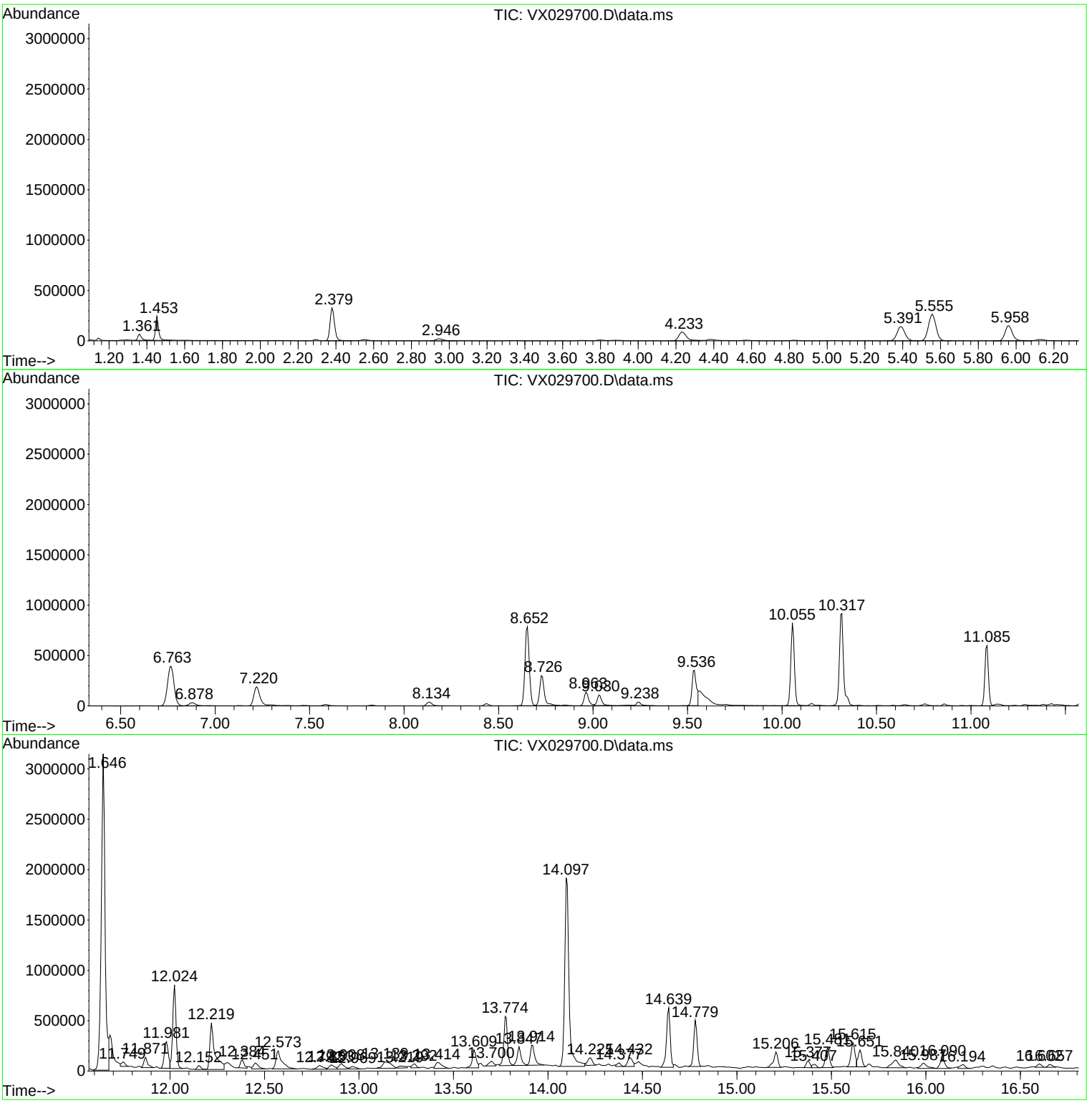
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

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\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

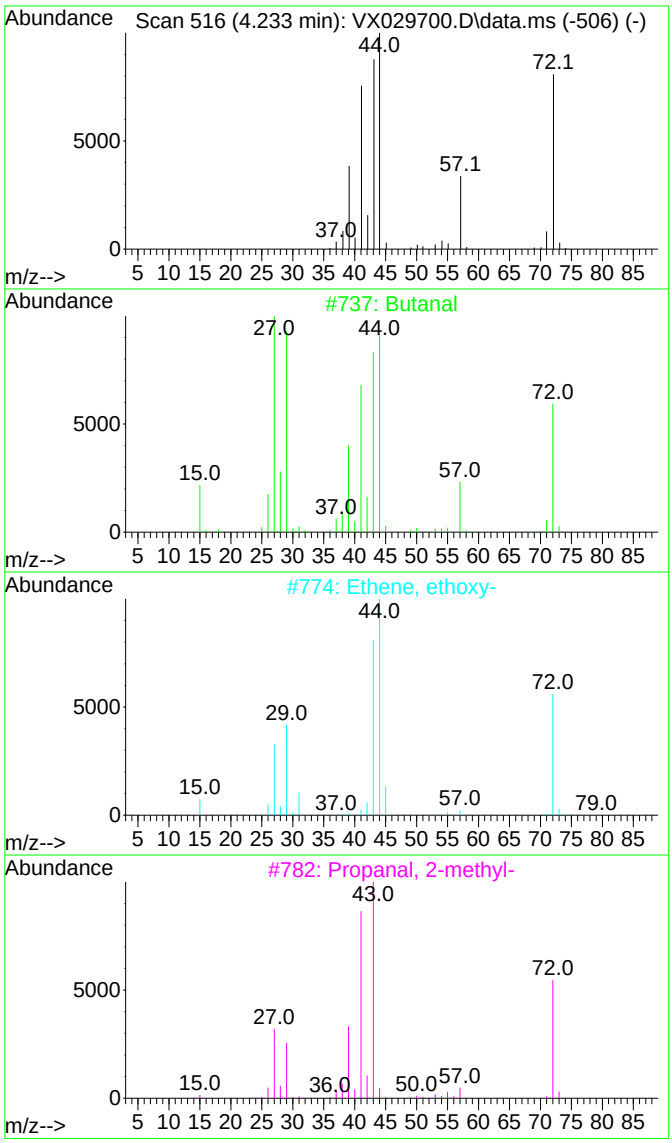
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

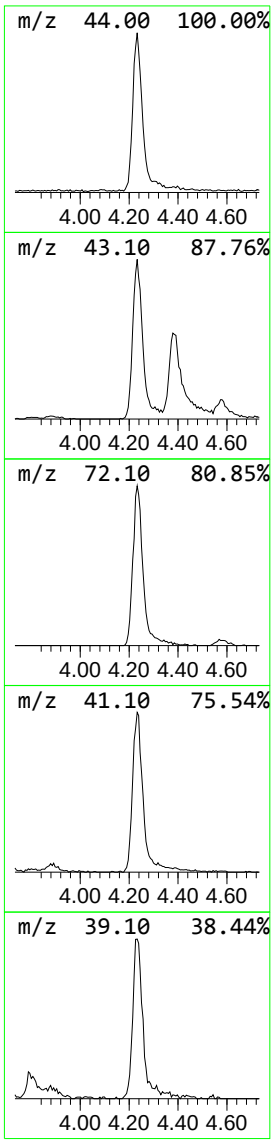
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Butanal Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.233 | 17.39 ug/l | 256523 | Pentafluorobenzene | 5.555 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanal | 72 | C4H8O | 000123-72-8 | 90 |
| 2 | Ethene, ethoxy- | 72 | C4H8O | 000109-92-2 | 53 |
| 3 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 43 |
| 4 | 1-Propene, 3-methoxy- | 72 | C4H8O | 000627-40-7 | 38 |
| 5 | Isobutylene epoxide | 72 | C4H8O | 000558-30-5 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

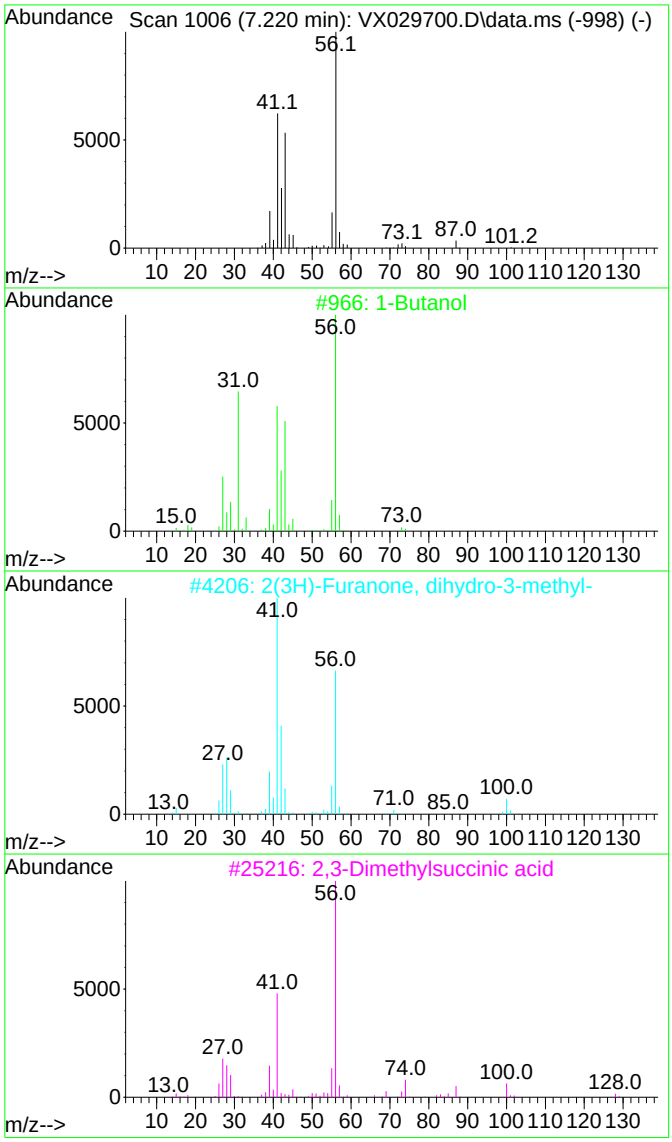
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

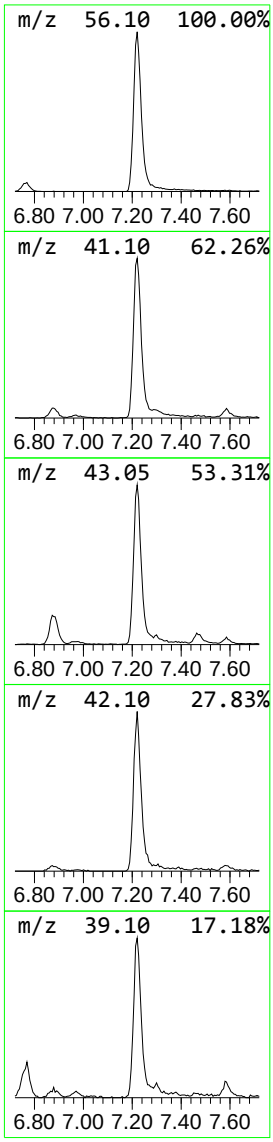
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 1-Butanol Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.220 | 22.62 ug/l | 426776 | 1,4-Difluorobenzene | 6.763 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Butanol | 74 | C4H10O | 000071-36-3 | 87 |
| 2 | 2(3H)-Furanone, dihydro-3-methyl- | 100 | C5H8O2 | 001679-47-6 | 50 |
| 3 | 2,3-Dimethylsuccinic acid | 146 | C6H10O4 | 013545-04-5 | 45 |
| 4 | Formic acid, hexyl ester | 130 | C7H14O2 | 000629-33-4 | 43 |
| 5 | Butane, 1-chloro- | 92 | C4H9Cl | 000109-69-3 | 42 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

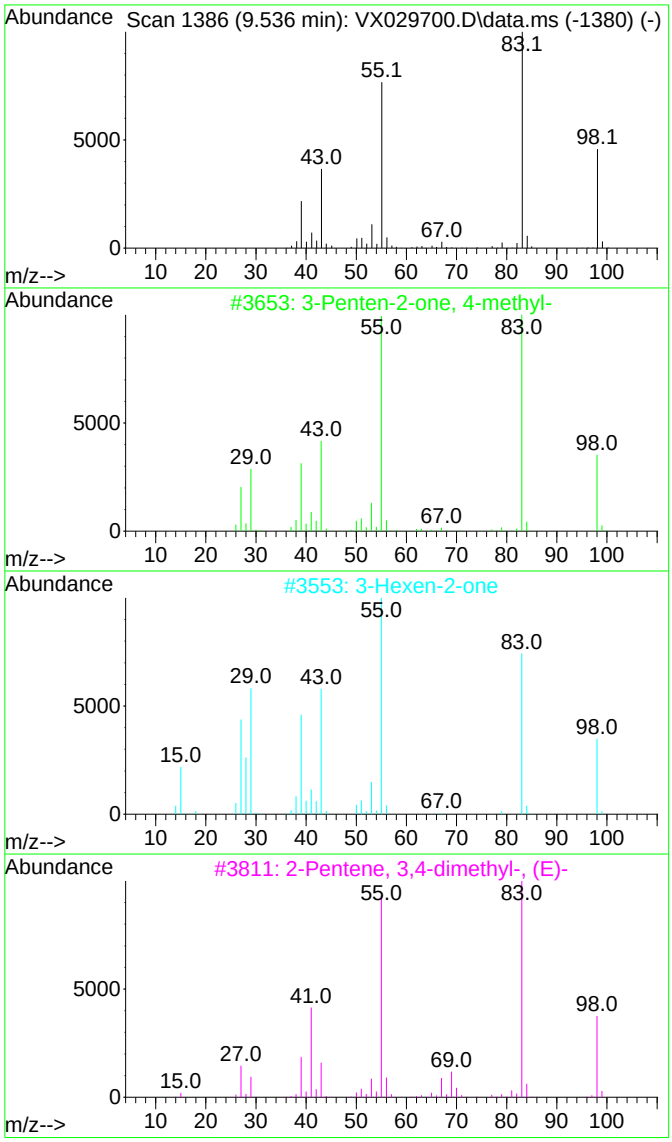
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

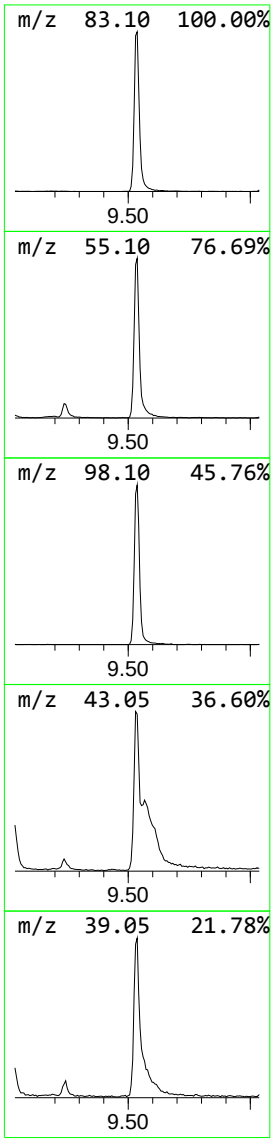
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 3-Penten-2-one, 4-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.536 | 26.70 ug/l | 574448 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 91 |
| 2 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 91 |
| 3 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 86 |
| 4 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 80 |
| 5 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

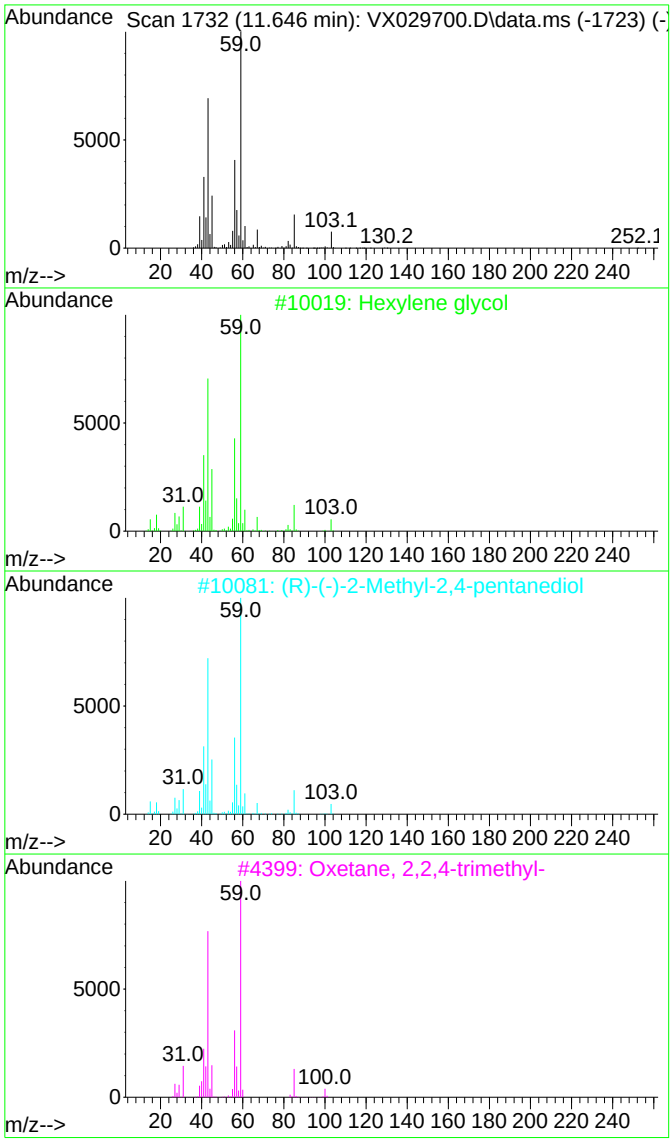
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

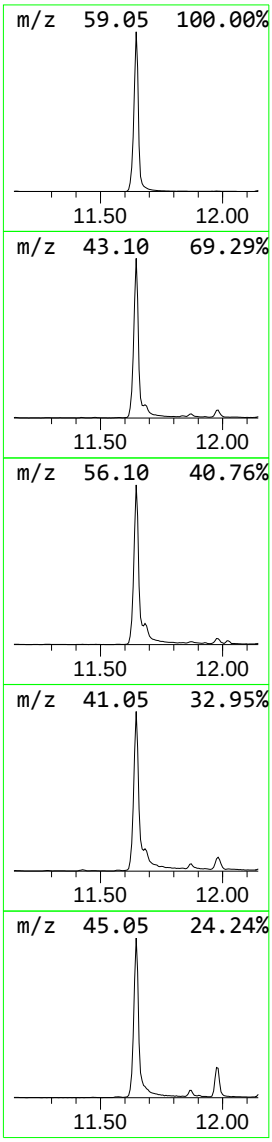
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Hexylene glycol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.646 | 216.60 ug/l | 4382330 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexylene glycol | 118 | C6H14O2 | 000107-41-5 | 90 |
| 2 | (R)-(-)-2-Methyl-2,4-pentanediol | 118 | C6H14O2 | 099210-90-9 | 90 |
| 3 | Oxetane, 2,2,4-trimethyl- | 100 | C6H12O | 023120-44-7 | 56 |
| 4 | dl-Erythro-O-methylthreonine | 133 | C5H11NO3 | 1000214-70-7 | 50 |
| 5 | N,N-Dimethylformamide-di-t-butyl... | 203 | C11H25NO2 | 036805-97-7 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

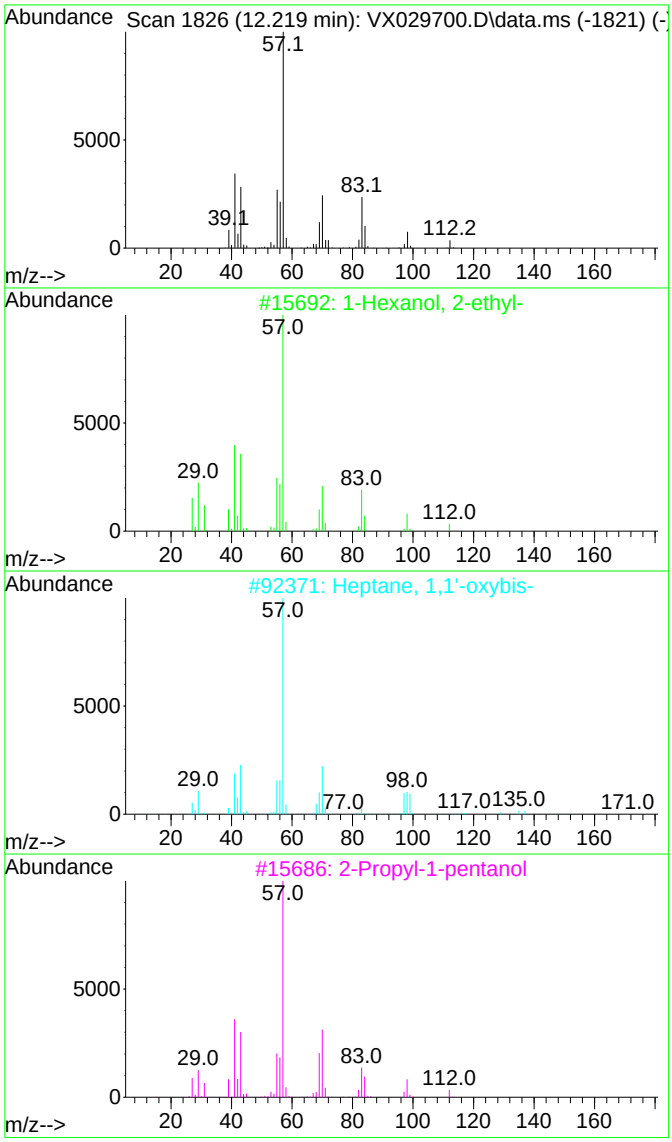
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

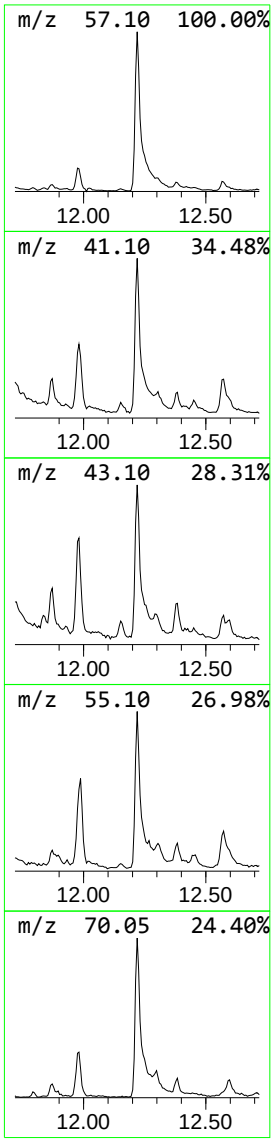
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.219 | 42.06 ug/l | 851070 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 90 |
| 2 | Heptane, 1,1'-oxybis- | 214 | C14H30O | 000629-64-1 | 50 |
| 3 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 50 |
| 4 | Chloroacetic acid, 2-ethylhexyl ... | 206 | C10H19ClO2 | 005345-58-4 | 45 |
| 5 | Carbonic acid, isobutyl 2-ethylh... | 230 | C13H26O3 | 1000383-13-3 | 42 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

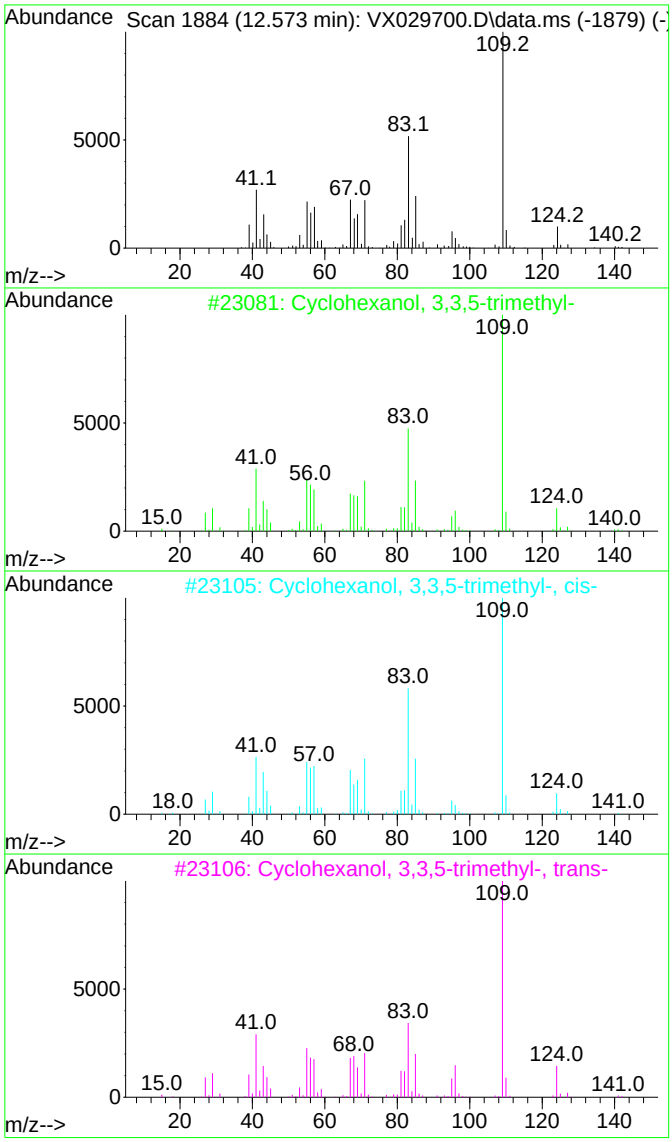
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

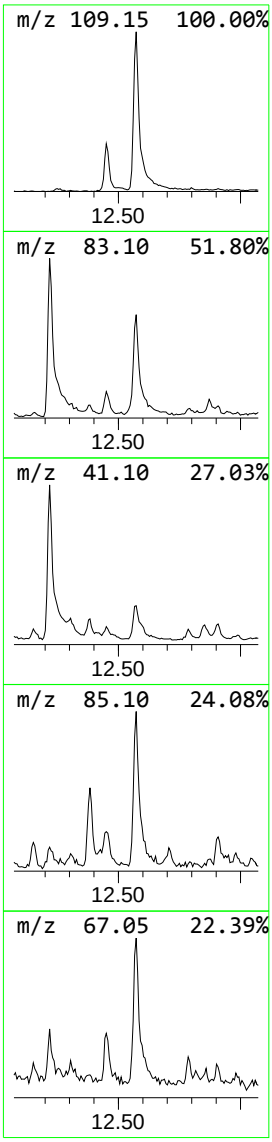
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclohexanol, 3,3,5-trimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.573 | 19.20 ug/l | 388561 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanol, 3,3,5-trimethyl- | 142 | C9H18O | 000116-02-9 | 93 |
| 2 | Cyclohexanol, 3,3,5-trimethyl-, ... | 142 | C9H18O | 000933-48-2 | 91 |
| 3 | Cyclohexanol, 3,3,5-trimethyl-, ... | 142 | C9H18O | 000767-54-4 | 81 |
| 4 | Cyclopropane, 1,1-dimethyl-2-(2-... | 124 | C9H16 | 033422-32-1 | 47 |
| 5 | 2,4-Heptadiene, 2,6-dimethyl- | 124 | C9H16 | 004634-87-1 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

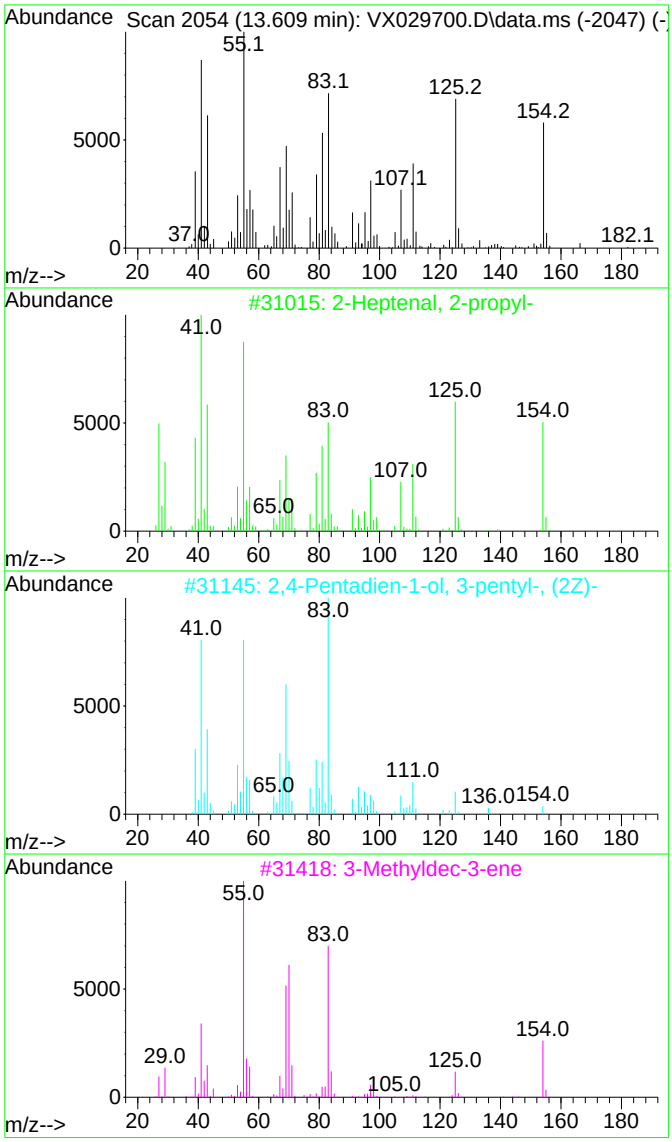
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

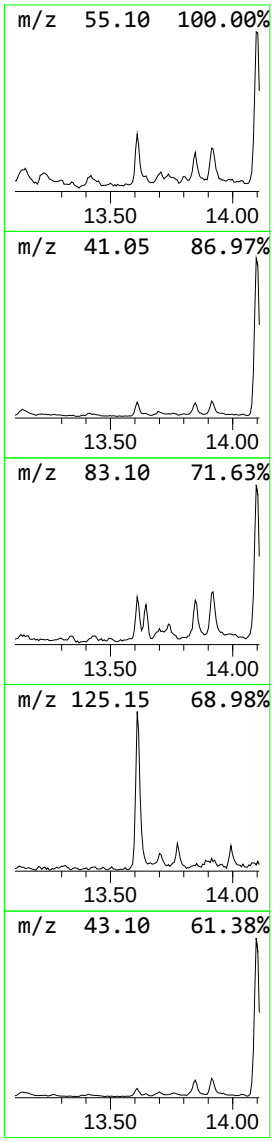
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 2-Heptenal, 2-propyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.609 | 12.95 ug/l | 261914 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Heptenal, 2-propyl- | 154 | C10H18O | 034880-43-8 | 94 |
| 2 | 2,4-Pentadien-1-ol, 3-pentyl-, (... | 154 | C10H18O | 1010142-19-7 | 50 |
| 3 | 3-Methyldec-3-ene | 154 | C11H22 | 036969-75-2 | 30 |
| 4 | 2,4-Pentadien-1-ol, 3-propyl-, (... | 126 | C8H14O | 1000142-17-9 | 25 |
| 5 | 2-Hydroxy-3,5-dimethylcyclopent-... | 126 | C7H10O2 | 021834-98-0 | 22 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

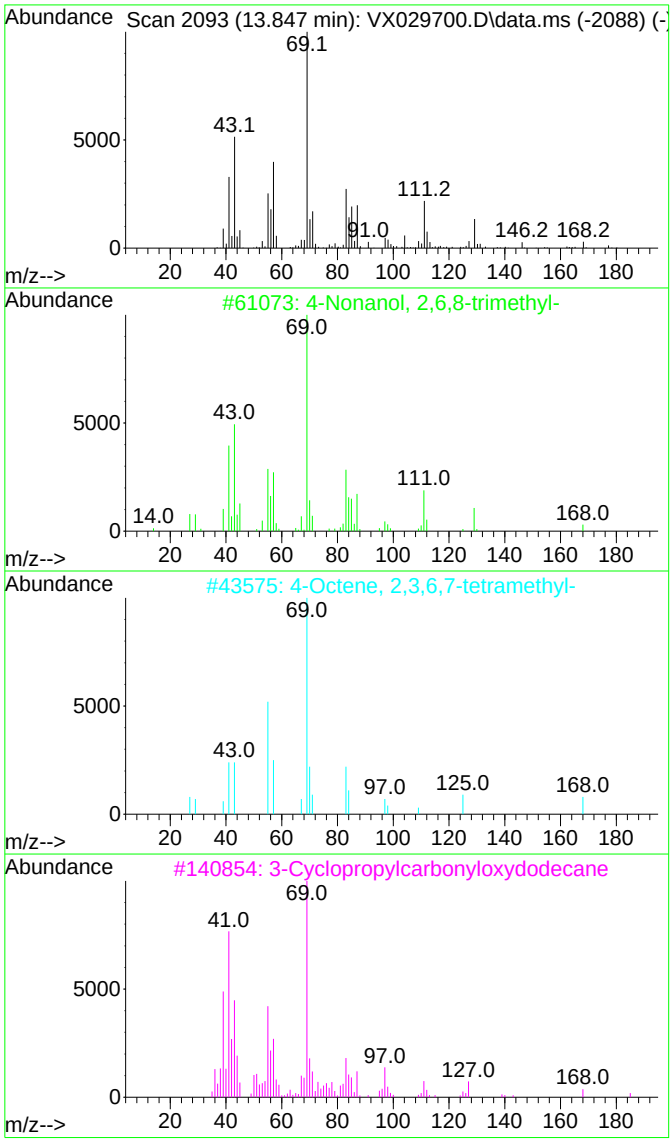
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

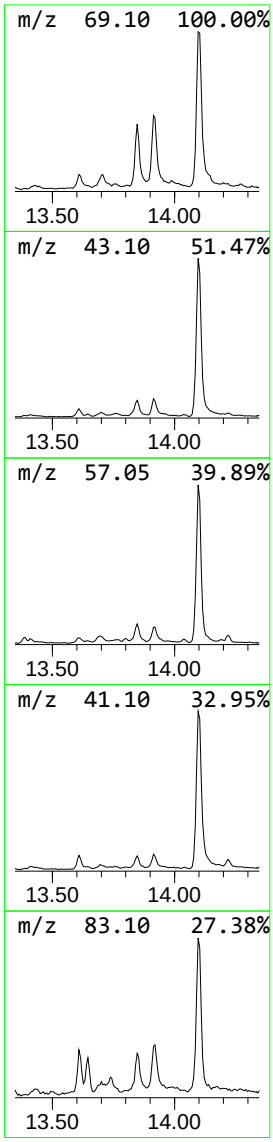
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 4-Nonanol, 2,6,8-trimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.847 | 13.14 ug/l | 265791 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Nonanol, 2,6,8-trimethyl- | 186 | C12H26O | 000123-17-1 | 72 |
| 2 | 4-Octene, 2,3,6,7-tetramethyl- | 168 | C12H24 | 063830-66-0 | 43 |
| 3 | 3-Cyclopropylcarbonyloxydodecane | 254 | C16H30O2 | 1000245-58-1 | 38 |
| 4 | Heptane, 2-methyl-3-methylene- | 126 | C9H18 | 062187-11-5 | 35 |
| 5 | 2-Hexene, 2,5-dimethyl- | 112 | C8H16 | 003404-78-2 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

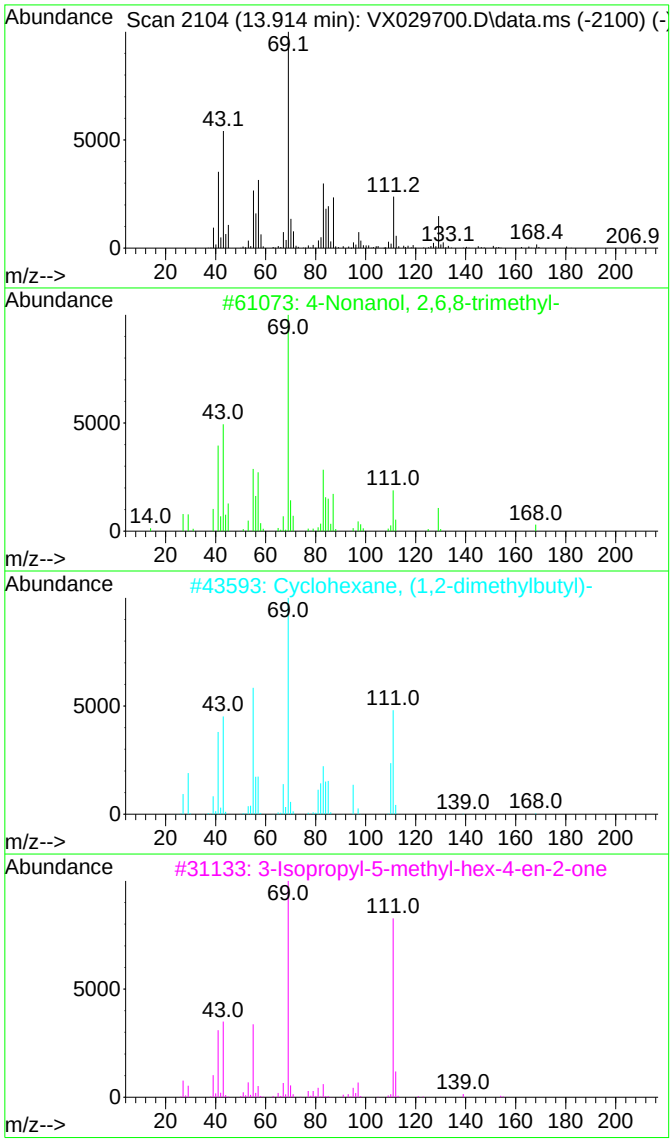
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

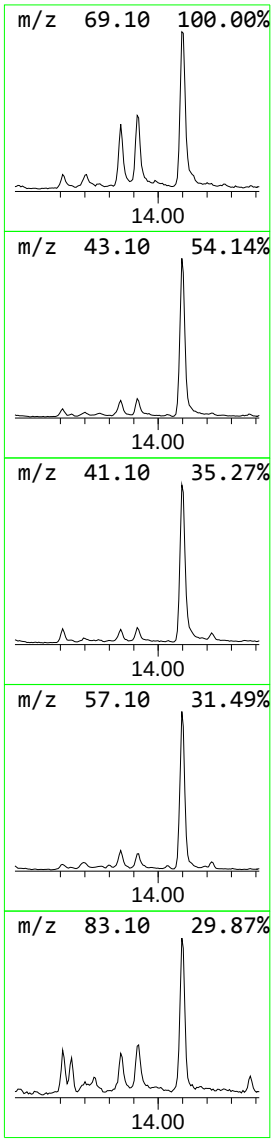
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclohexane, (1,2-dimethylb... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.914 | 15.76 ug/l | 318766 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Nonanol, 2,6,8-trimethyl- | 186 | C12H26O | 000123-17-1 | 90 |
| 2 | Cyclohexane, (1,2-dimethylbutyl)- | 168 | C12H24 | 061142-37-8 | 59 |
| 3 | 3-Isopropyl-5-methyl-hex-4-en-2-one | 154 | C10H18O | 077142-85-9 | 43 |
| 4 | 3-Heptanol, 2-methyl- | 130 | C8H18O | 018720-62-2 | 38 |
| 5 | 2-Hexene, 2,5-dimethyl- | 112 | C8H16 | 003404-78-2 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

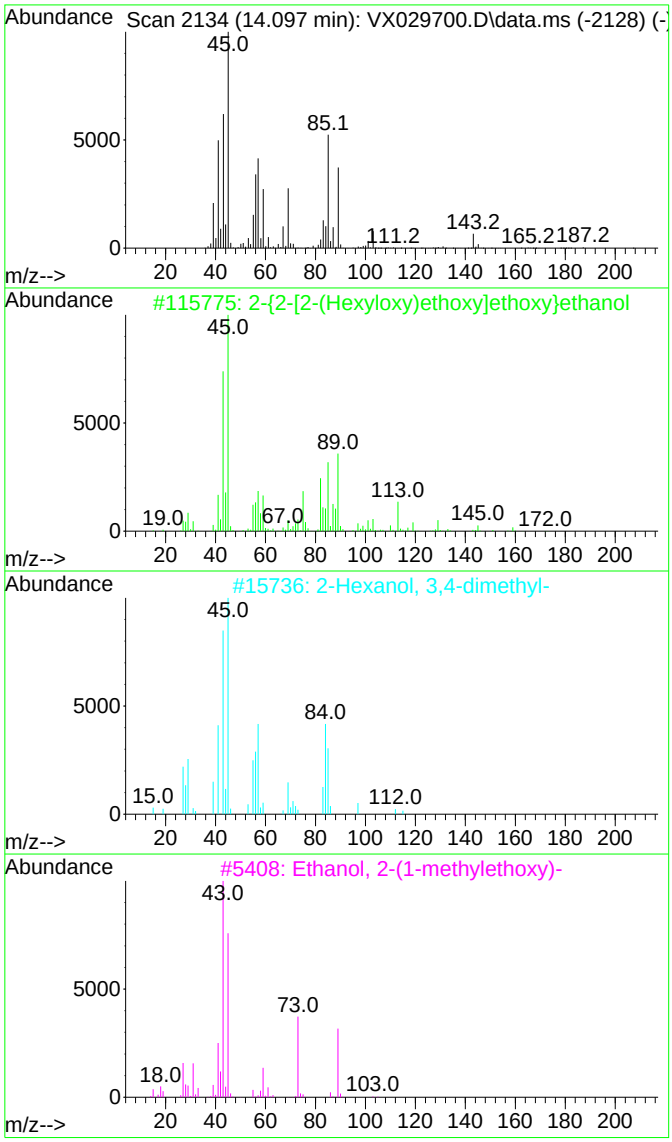
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

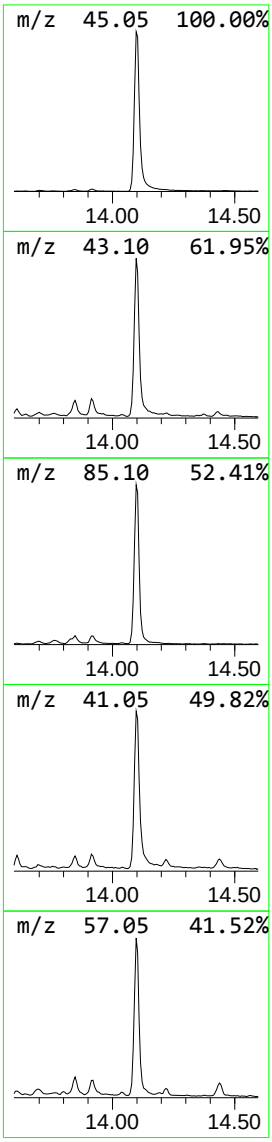
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 2-{2-[2-(Hexyloxy)ethoxy]et... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.097 | 146.01 ug/l | 2954230 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-{2-[2-(Hexyloxy)ethoxy]ethoxy}... | 234 | C12H26O4 | 025961-89-1 | 53 |
| 2 | 2-Hexanol, 3,4-dimethyl- | 130 | C8H18O | 019550-05-1 | 47 |
| 3 | Ethanol, 2-(1-methylethoxy)- | 104 | C5H12O2 | 000109-59-1 | 43 |
| 4 | Butyl-tert-butyl-isopropoxyborane | 184 | C11H25BO | 097782-82-6 | 43 |
| 5 | Pentaethylene glycol | 238 | C10H22O6 | 004792-15-8 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

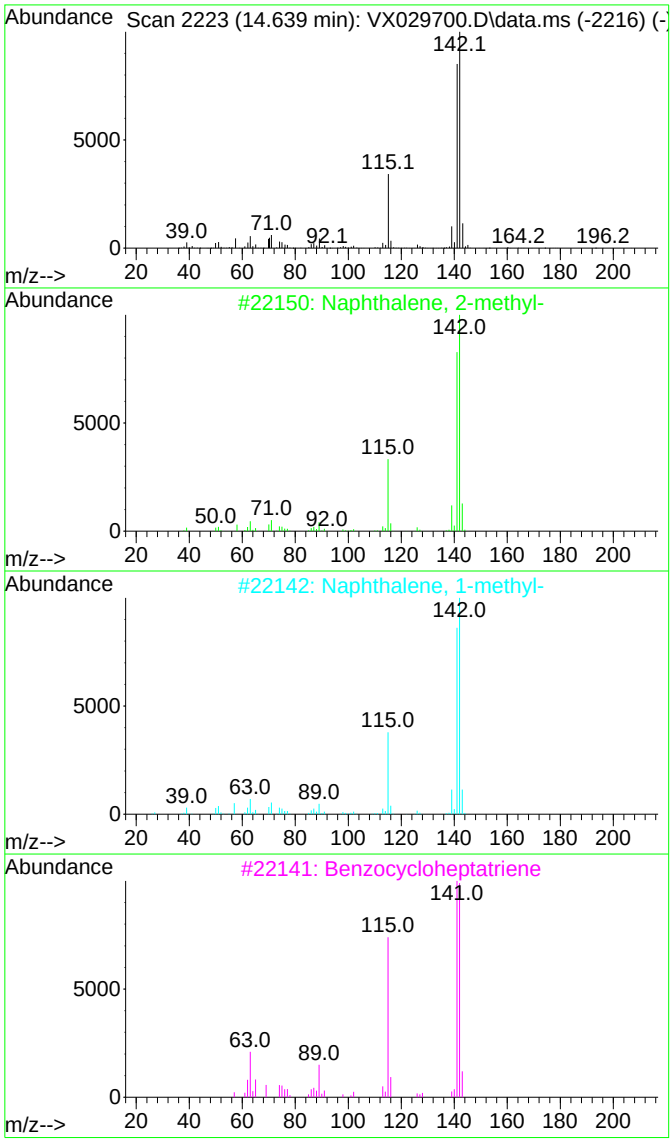
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

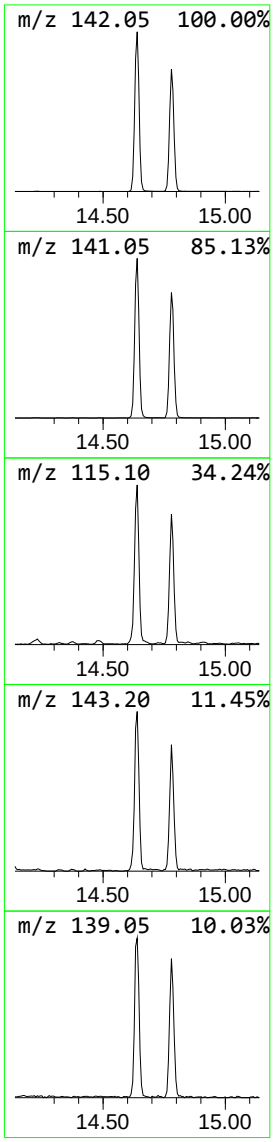
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.639 | 40.04 ug/l | 810018 | 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 | 90 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 90 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

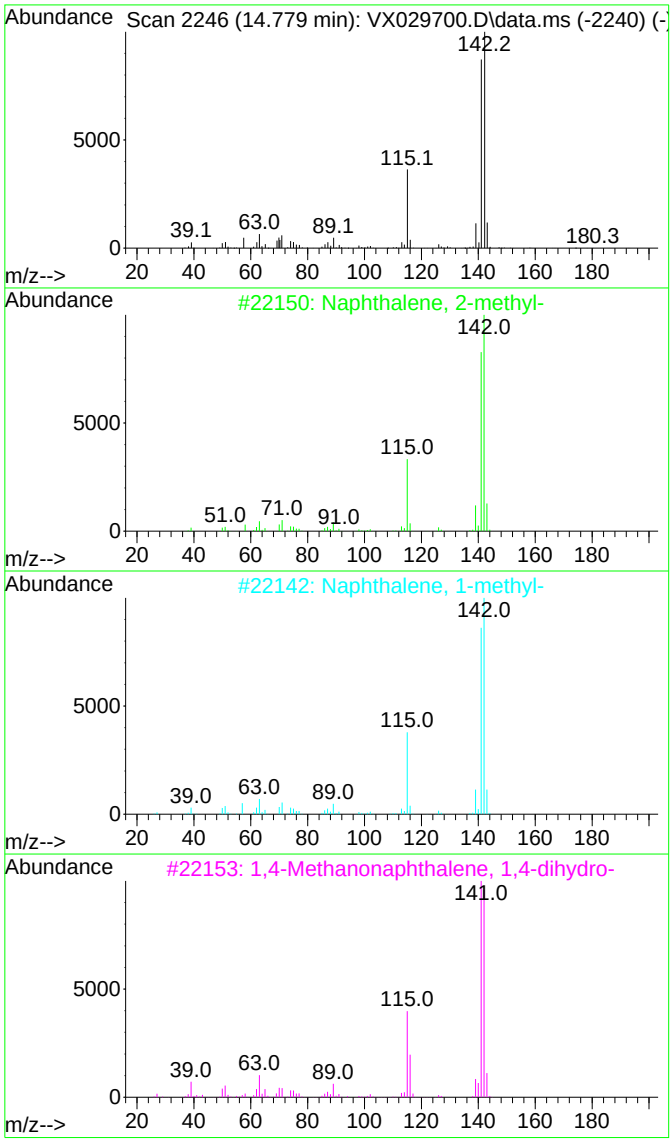
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

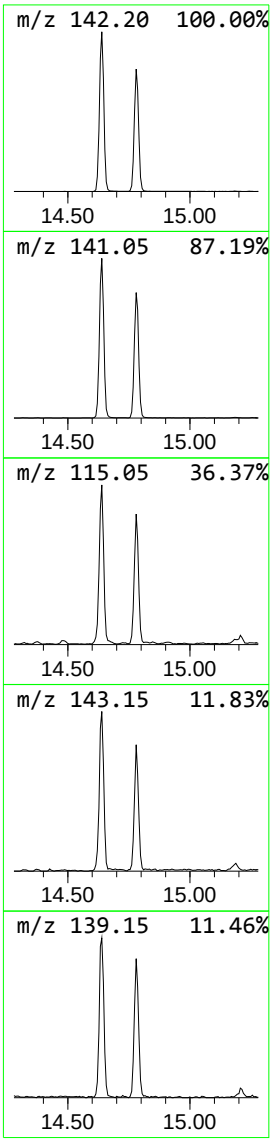
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 1,4-Methanonaphthalene, 1,4... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.779 | 28.24 ug/l | 571344 | 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 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

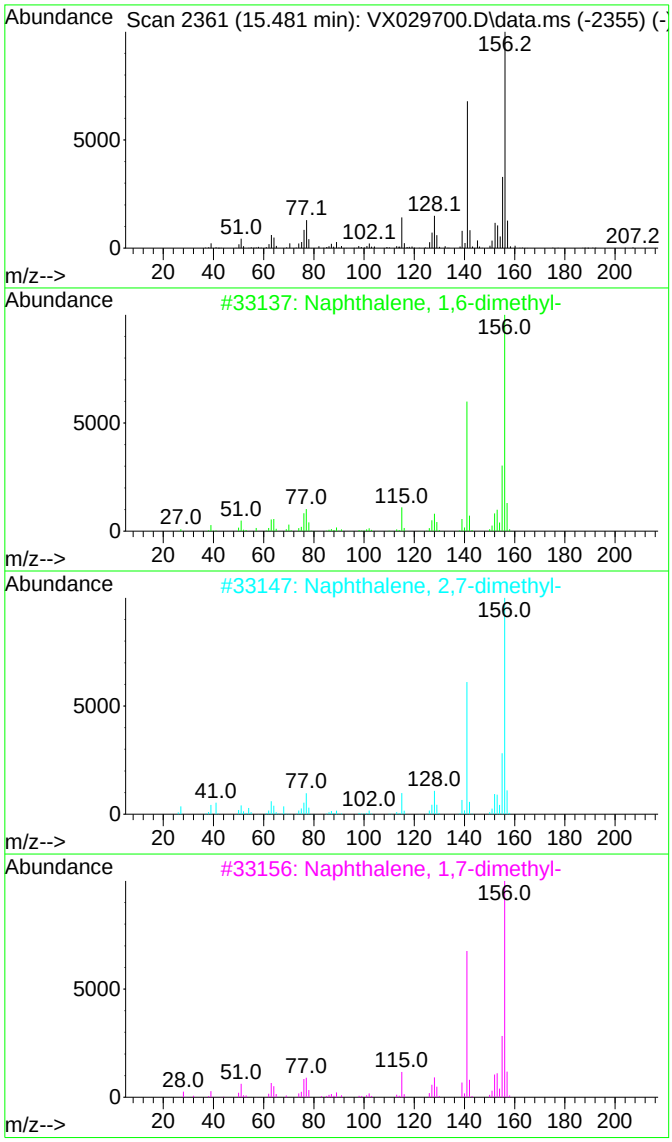
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

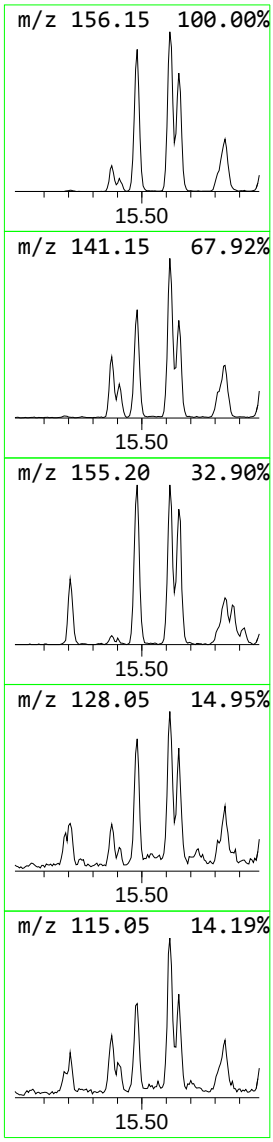
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Naphthalene, 1,6-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.480 | 14.70 ug/l | 297514 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

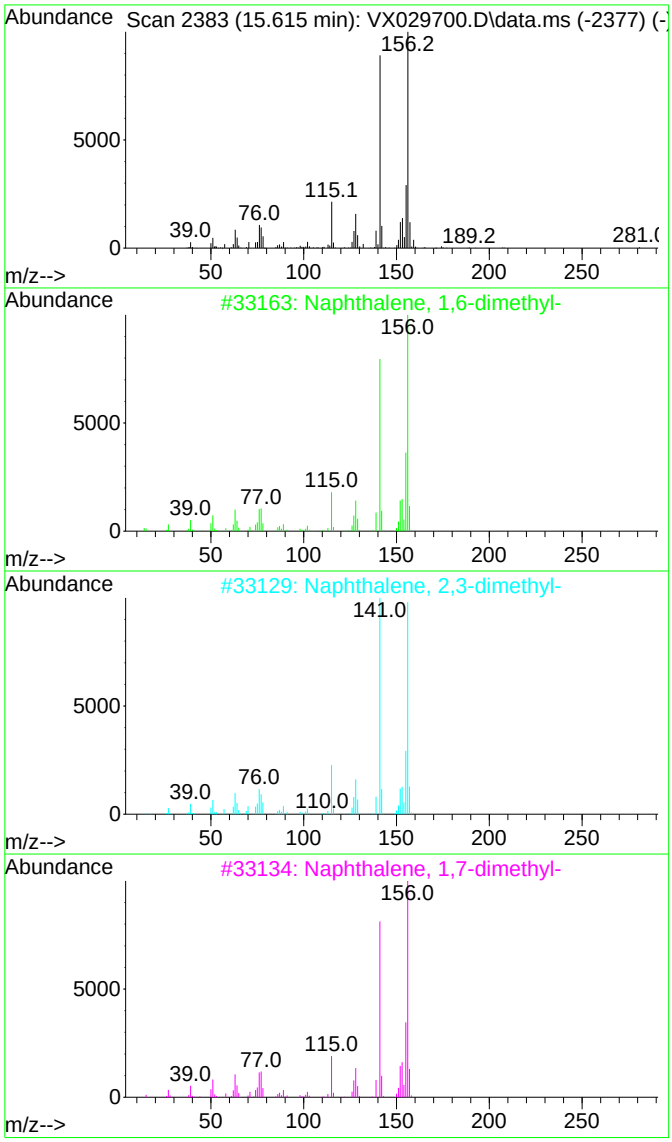
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260

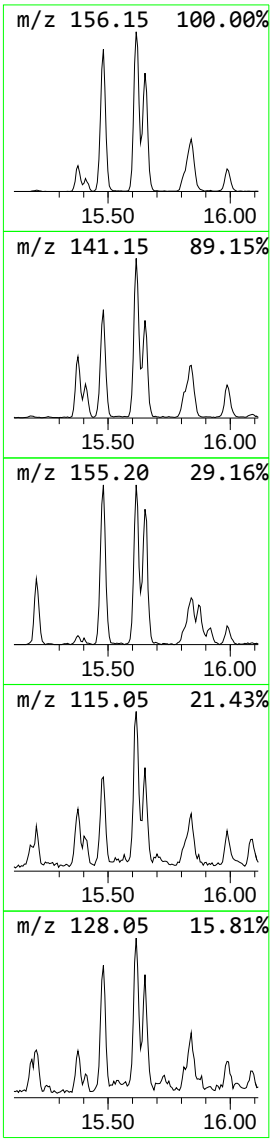
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.615 | 17.70 ug/l | 358039 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 98 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 98 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029700.D
Acq On : 22 Jun 2022 15:37
Operator : JC/MD
Sample : N3293-18 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
52322-D

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 |
| Butanal | 4.233 | 17.4 | ug/l | 256523 | 1 | 5.555 | 737589 | 50.0 |
| 1-Butanol | 7.220 | 22.6 | ug/l | 426776 | 2 | 6.763 | 943424 | 50.0 |
| 3-Penten-2-one,... | 9.536 | 26.7 | ug/l | 574448 | 3 | 10.055 | 1075630 | 50.0 |
| Hexylene glycol | 11.646 | 216.6 | ug/l | 4382330 | 4 | 12.024 | 1011620 | 50.0 |
| 1-Hexanol, 2-et... | 12.219 | 42.1 | ug/l | 851070 | 4 | 12.024 | 1011620 | 50.0 |
| Cyclohexanol, 3... | 12.573 | 19.2 | ug/l | 388561 | 4 | 12.024 | 1011620 | 50.0 |
| 2-Heptenal, 2-p... | 13.609 | 12.9 | ug/l | 261914 | 4 | 12.024 | 1011620 | 50.0 |
| 4-Nonanol, 2,6,... | 13.847 | 13.1 | ug/l | 265791 | 4 | 12.024 | 1011620 | 50.0 |
| Cyclohexane, (1... | 13.914 | 15.8 | ug/l | 318766 | 4 | 12.024 | 1011620 | 50.0 |
| 2-{2-[2-(Hexylo... | 14.097 | 146.0 | ug/l | 2954230 | 4 | 12.024 | 1011620 | 50.0 |
| Naphthalene, 1-... | 14.639 | 40.0 | ug/l | 810018 | 4 | 12.024 | 1011620 | 50.0 |
| 1,4-Methanonaph... | 14.779 | 28.2 | ug/l | 571344 | 4 | 12.024 | 1011620 | 50.0 |
| Naphthalene, 1,... | 15.480 | 14.7 | ug/l | 297514 | 4 | 12.024 | 1011620 | 50.0 |
| Naphthalene, 2,... | 15.615 | 17.7 | ug/l | 358039 | 4 | 12.024 | 1011620 | 50.0 |