LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MW-1C-081925

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\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047473.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 | 24 | 29 | 48 | rBV | 378607 | 1030617 | 31.12% | 4.553% |
| 2 | 3.111 | 326 | 332 | 351 | rVB | 45783 | 105132 | 3.17% | 0.464% |
| 3 | 4.507 | 549 | 561 | 578 | rBV | 70067 | 214027 | 6.46% | 0.946% |
| 4 | 5.397 | 694 | 707 | 723 | rBV3 | 171723 | 532087 | 16.07% | 2.351% |
| 5 | 5.562 | 723 | 734 | 756 | rVB | 221837 | 697260 | 21.06% | 3.081% |
| 6 | 5.964 | 790 | 800 | 821 | rBV | 199688 | 570393 | 17.22% | 2.520% |
| 7 | 6.769 | 922 | 932 | 957 | rBV | 440503 | 1130985 | 34.15% | 4.997% |
| 8 | 7.135 | 984 | 992 | 1011 | rBV | 85477 | 207887 | 6.28% | 0.918% |
| 9 | 8.653 | 1234 | 1241 | 1249 | rBV | 903931 | 1495443 | 45.16% | 6.607% |
| 10 | 8.720 | 1249 | 1252 | 1260 | rVB | 19911 | 35006 | 1.06% | 0.155% |
| 11 | 9.275 | 1336 | 1343 | 1355 | rBV3 | 700832 | 1030028 | 31.10% | 4.551% |
| 12 | 10.055 | 1465 | 1471 | 1488 | rBV | 1089389 | 1507467 | 45.52% | 6.660% |
| 13 | 10.195 | 1488 | 1494 | 1502 | rVV | 318220 | 433751 | 13.10% | 1.916% |
| 14 | 10.305 | 1505 | 1512 | 1519 | rVB | 53812 | 81970 | 2.48% | 0.362% |
| 15 | 10.640 | 1562 | 1567 | 1582 | rVB | 111195 | 166813 | 5.04% | 0.737% |
| 16 | 10.963 | 1615 | 1620 | 1630 | rVB | 74119 | 100971 | 3.05% | 0.446% |
| 17 | 11.079 | 1634 | 1639 | 1653 | rBV | 923228 | 1151220 | 34.76% | 5.086% |
| 18 | 11.305 | 1671 | 1676 | 1684 | rVB | 53670 | 70163 | 2.12% | 0.310% |
| 19 | 11.396 | 1684 | 1691 | 1696 | rVV | 77071 | 152765 | 4.61% | 0.675% |
| 20 | 11.451 | 1696 | 1700 | 1707 | rVB | 24957 | 34181 | 1.03% | 0.151% |
| 21 | 11.610 | 1720 | 1726 | 1737 | rBV | 126600 | 170920 | 5.16% | 0.755% |
| 22 | 11.750 | 1741 | 1749 | 1755 | rBV | 275662 | 348157 | 10.51% | 1.538% |
| 23 | 11.811 | 1755 | 1759 | 1763 | rVB | 36880 | 46191 | 1.39% | 0.204% |
| 24 | 11.969 | 1780 | 1785 | 1788 | rBV | 46412 | 57040 | 1.72% | 0.252% |
| 25 | 12.018 | 1788 | 1793 | 1800 | rVV | 1319661 | 1615734 | 48.79% | 7.139% |
| 26 | 12.085 | 1800 | 1804 | 1809 | rVB | 215010 | 260206 | 7.86% | 1.150% |
| 27 | 12.244 | 1823 | 1830 | 1837 | rBV2 | 216621 | 293537 | 8.86% | 1.297% |
| 28 | 12.311 | 1837 | 1841 | 1848 | rBV3 | 62673 | 96616 | 2.92% | 0.427% |
| 29 | 12.408 | 1853 | 1857 | 1863 | rBV | 226312 | 288468 | 8.71% | 1.275% |
| 30 | 12.530 | 1872 | 1877 | 1879 | rBV | 51243 | 72473 | 2.19% | 0.320% |
| 31 | 12.609 | 1885 | 1890 | 1894 | rBV | 234786 | 282920 | 8.54% | 1.250% |
| 32 | 12.695 | 1900 | 1904 | 1910 | rBV3 | 46930 | 78145 | 2.36% | 0.345% |
| 33 | 12.847 | 1924 | 1929 | 1933 | rVB | 41491 | 53611 | 1.62% | 0.237% |
| 34 | 12.920 | 1937 | 1941 | 1944 | rBV | 59469 | 70437 | 2.13% | 0.311% |
| 35 | 12.963 | 1944 | 1948 | 1953 | rVB | 101279 | 125540 | 3.79% | 0.555% |
| 36 | 13.164 | 1977 | 1981 | 1986 | rVB | 102810 | 127802 | 3.86% | 0.565% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

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\82X081525W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.286 | 1997 | 2001 | 2006 | rBV2 | 105449 | 139580 | 4.21% | 0.617% |
| 38 | 13.341 | 2006 | 2010 | 2016 | rVB | 174083 | 216938 | 6.55% | 0.958% |
| 39 | 13.420 | 2016 | 2023 | 2029 | rBV | 381276 | 484023 | 14.62% | 2.139% |
| 40 | 13.542 | 2039 | 2043 | 2046 | rBV | 26875 | 34876 | 1.05% | 0.154% |
| 41 | 13.579 | 2046 | 2049 | 2057 | rVB3 | 19889 | 41989 | 1.27% | 0.186% |
| 42 | 13.774 | 2071 | 2081 | 2090 | rBV | 1658150 | 1991415 | 60.13% | 8.798% |
| 43 | 13.865 | 2090 | 2096 | 2101 | rVV | 97870 | 138330 | 4.18% | 0.611% |
| 44 | 14.073 | 2126 | 2130 | 2132 | rBV2 | 23969 | 34602 | 1.04% | 0.153% |
| 45 | 14.219 | 2149 | 2154 | 2163 | rBV2 | 35558 | 57388 | 1.73% | 0.254% |
| 46 | 14.316 | 2164 | 2170 | 2175 | rBV2 | 33781 | 51584 | 1.56% | 0.228% |
| 47 | 14.597 | 2211 | 2216 | 2219 | rBV | 104529 | 135041 | 4.08% | 0.597% |
| 48 | 14.640 | 2219 | 2223 | 2224 | rBV | 34997 | 45935 | 1.39% | 0.203% |
| 49 | 14.725 | 2232 | 2237 | 2240 | rBV | 32768 | 43942 | 1.33% | 0.194% |
| 50 | 14.774 | 2240 | 2245 | 2260 | rVB | 2545952 | 3311591 | 100.00% | 14.631% |
| 51 | 15.200 | 2308 | 2315 | 2320 | rBV | 180513 | 244807 | 7.39% | 1.082% |
| 52 | 15.402 | 2344 | 2348 | 2354 | rVB | 33843 | 48002 | 1.45% | 0.212% |
| 53 | 15.475 | 2354 | 2360 | 2364 | rBV | 89025 | 153845 | 4.65% | 0.680% |
| 54 | 15.505 | 2364 | 2365 | 2371 | rVB2 | 35619 | 41584 | 1.26% | 0.184% |
| 55 | 15.609 | 2371 | 2382 | 2388 | rBV | 185866 | 319122 | 9.64% | 1.410% |
| 56 | 15.804 | 2409 | 2414 | 2417 | rBV4 | 37766 | 69332 | 2.09% | 0.306% |
| 57 | 15.834 | 2417 | 2419 | 2430 | rVB2 | 40901 | 64146 | 1.94% | 0.283% |
| 58 | 15.987 | 2438 | 2444 | 2452 | rBV | 32815 | 59020 | 1.78% | 0.261% |
| 59 | 16.084 | 2452 | 2460 | 2468 | rBV | 30200 | 53104 | 1.60% | 0.235% |
| 60 | 16.322 | 2492 | 2499 | 2510 | rBV | 60809 | 117431 | 3.55% | 0.519% |

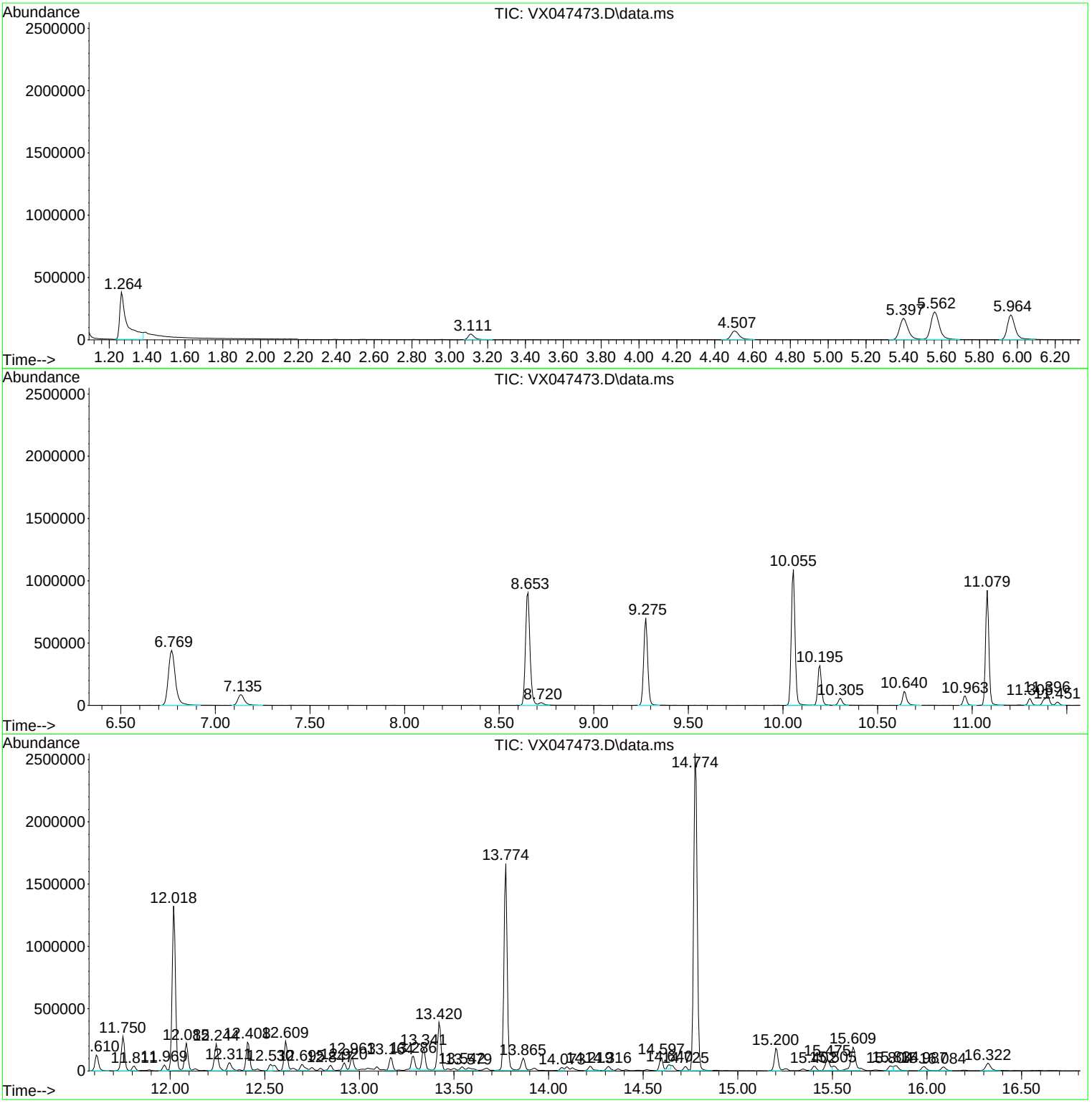
Sum of corrected areas: 22633590

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

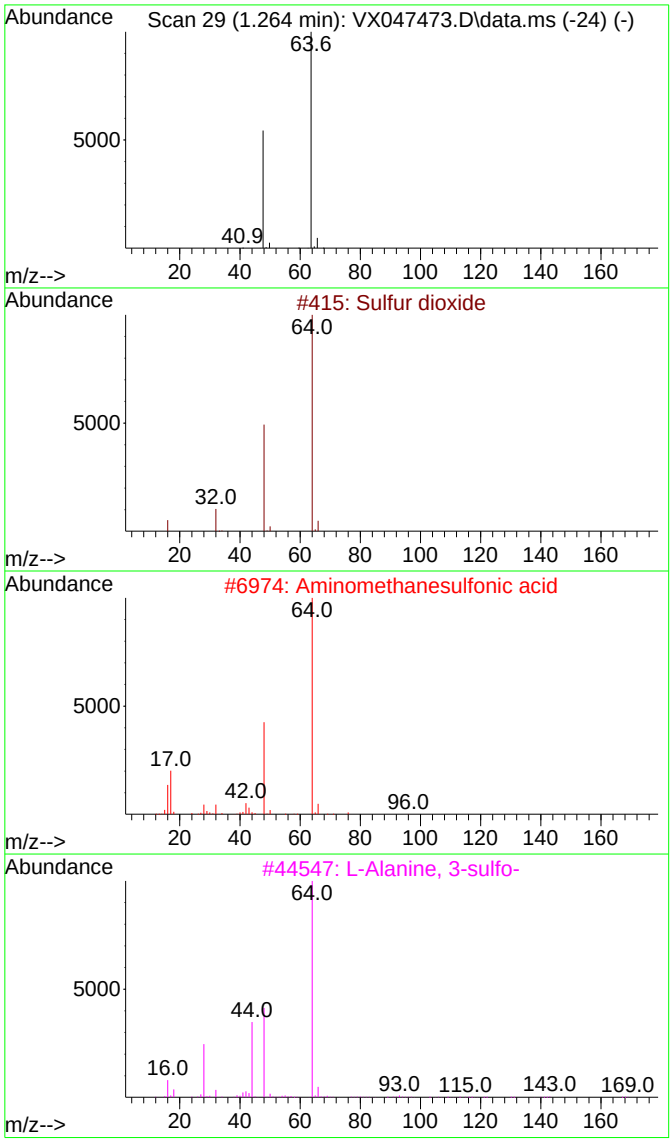
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

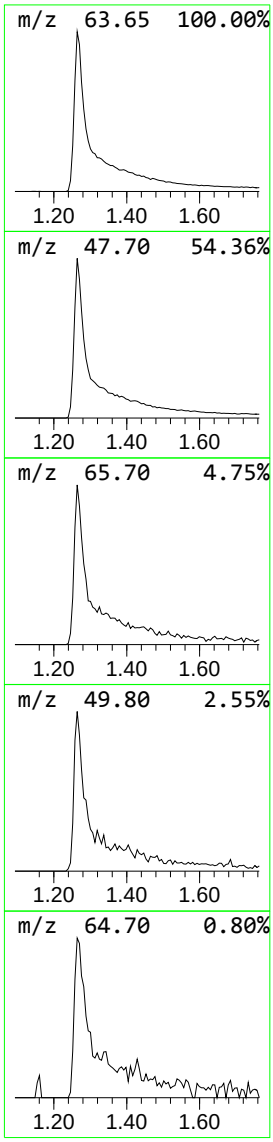
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.264 | 73.90 ug/l | 1030620 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 83 |
| 2 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 74 |
| 3 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 4 | Ethene, 1,1-difluoro- | 64 | C2H2F2 | 000075-38-7 | 4 |
| 5 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 3 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

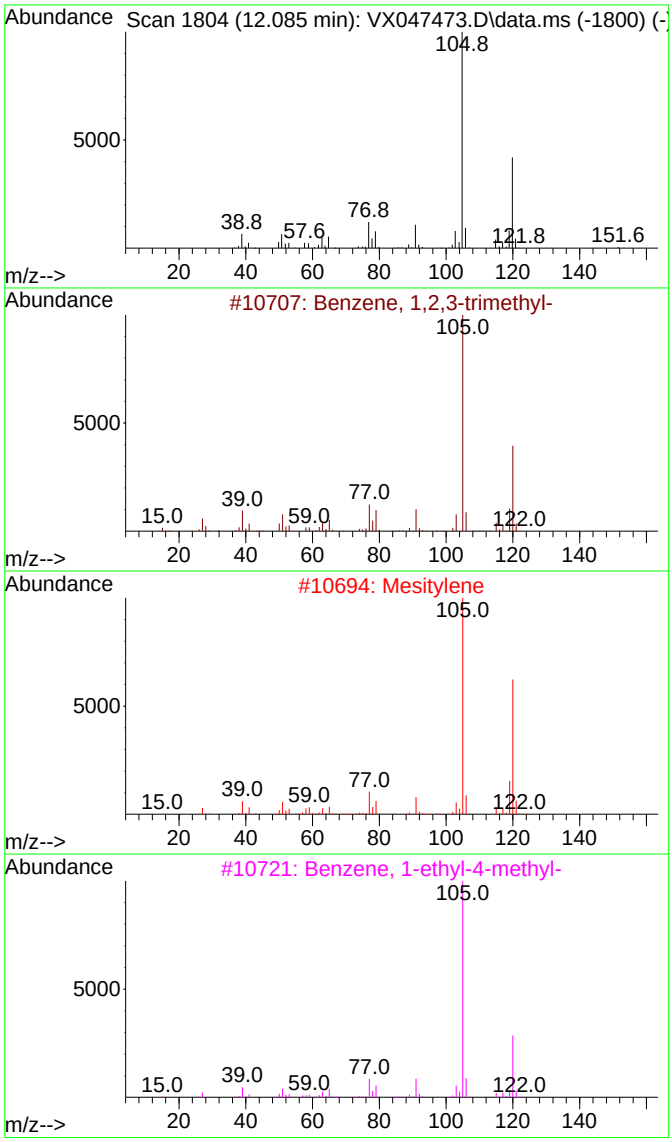
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

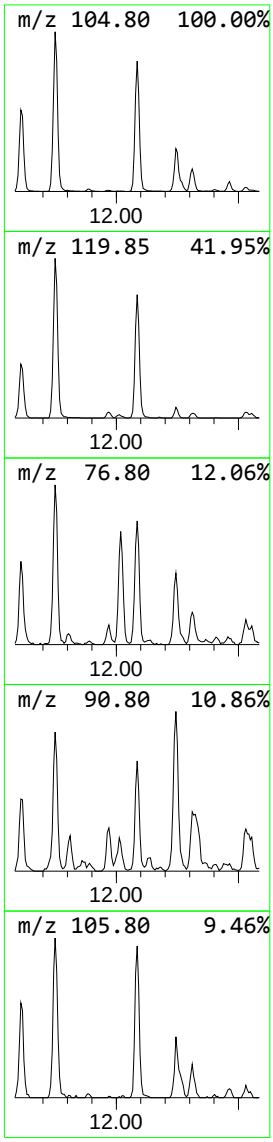
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.085 | 8.05 ug/l | 260206 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 93 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

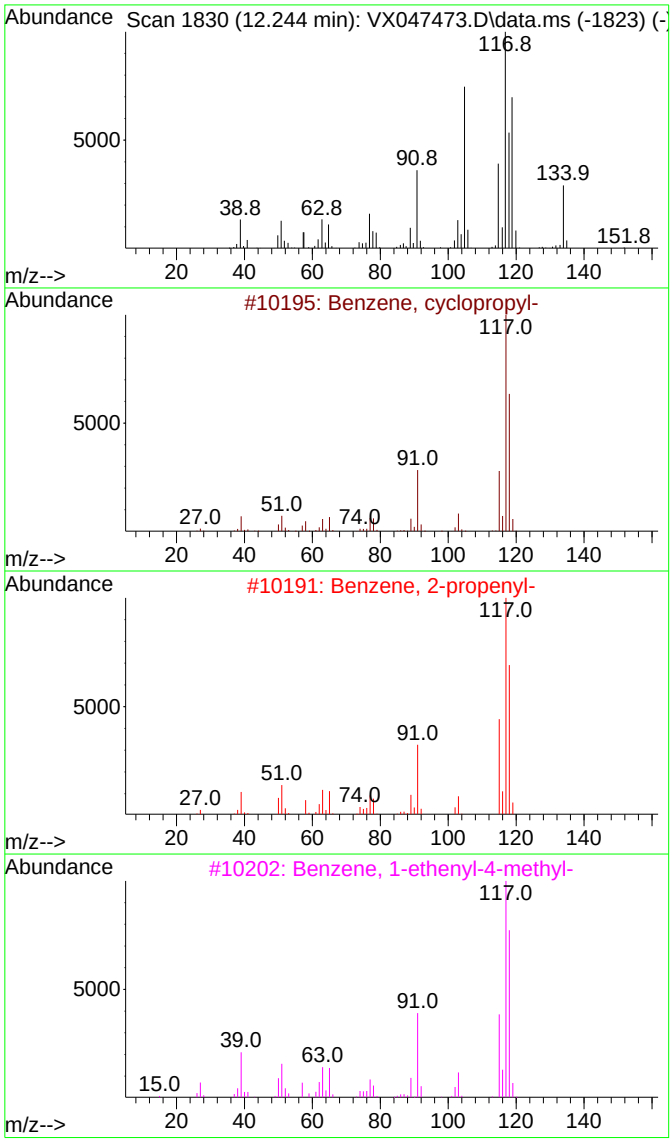
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

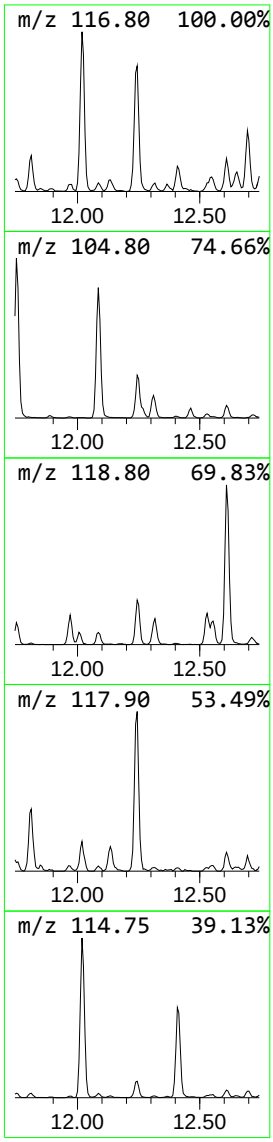
**********

Peak Number 3 Benzene, cyclopropyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.244 | 9.08 ug/l | 293537 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 90 |
| 2 | Benzene, 2-propenyl- | 118 | C9H10 | 000300-57-2 | 87 |
| 3 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 80 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 80 |
| 5 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 55 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

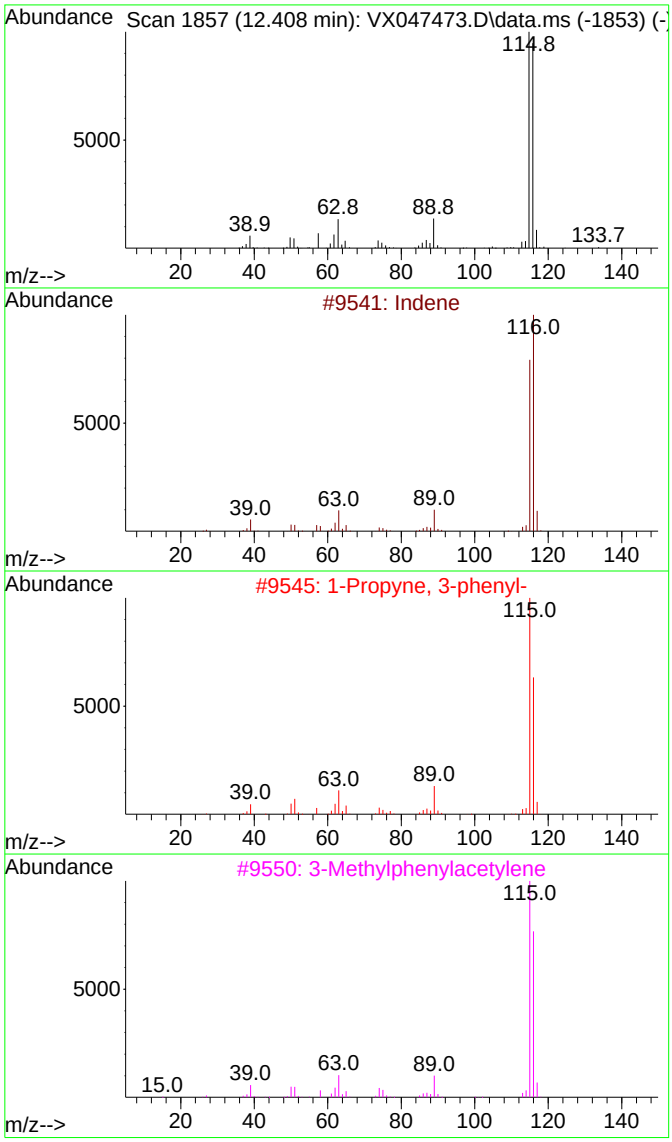
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

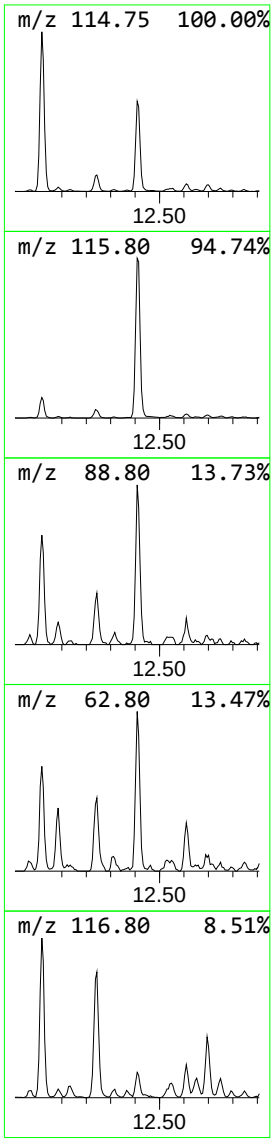
**********

Peak Number 4 Indene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.408 | 8.93 ug/l | 288468 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | 1-Propyne, 3-phenyl- | 116 | C9H8 | 010147-11-2 | 94 |
| 3 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |
| 4 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |
| 5 | 2-Methylphenylacetylene | 116 | C9H8 | 000766-47-2 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

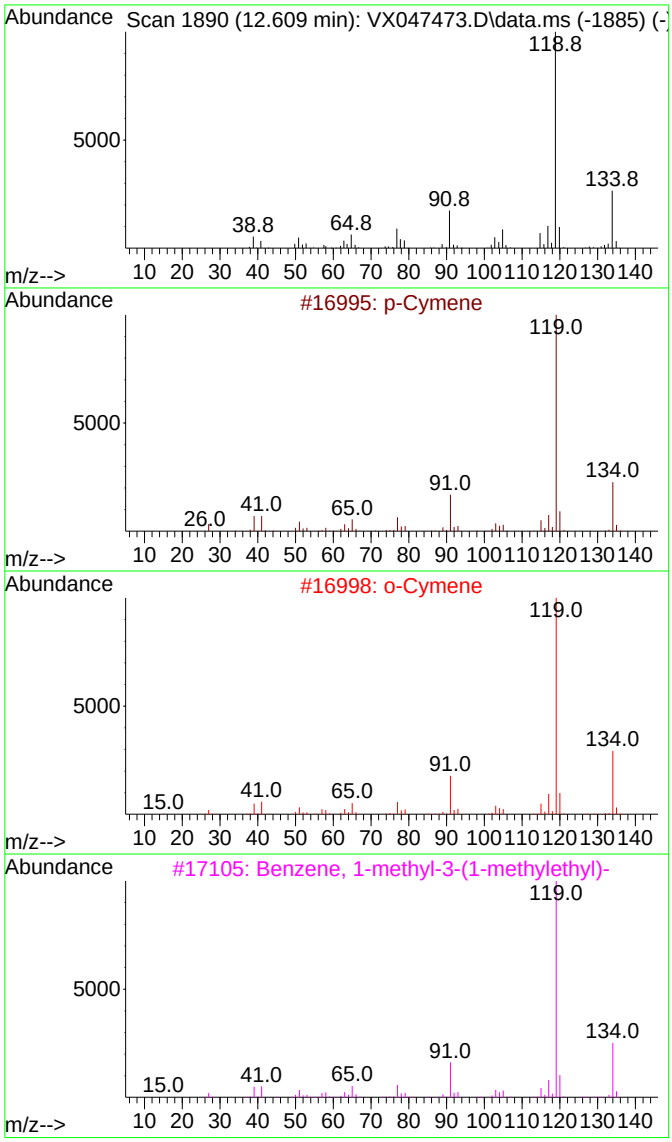
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

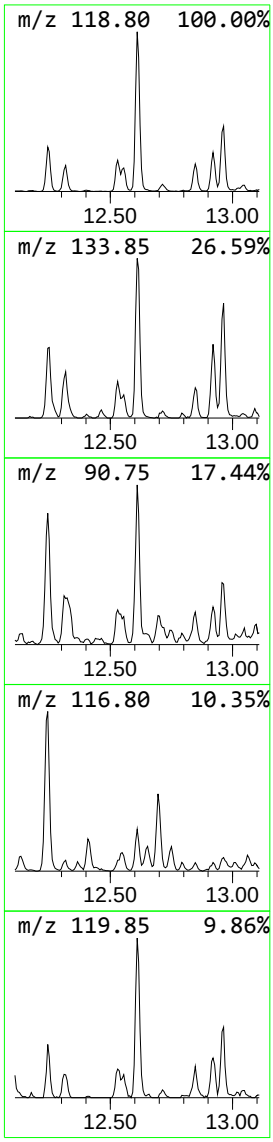
**********

Peak Number 5 o-Cymene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.609 | 8.76 ug/l | 282920 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Cymene | 134 | C10H14 | 000099-87-6 | 97 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

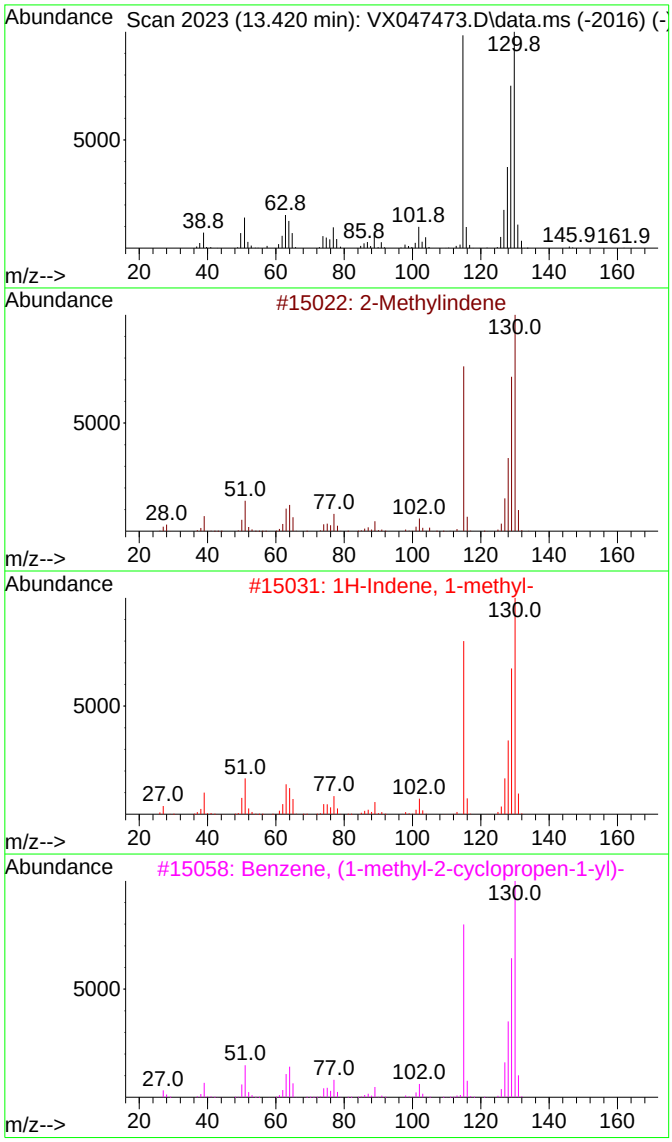
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

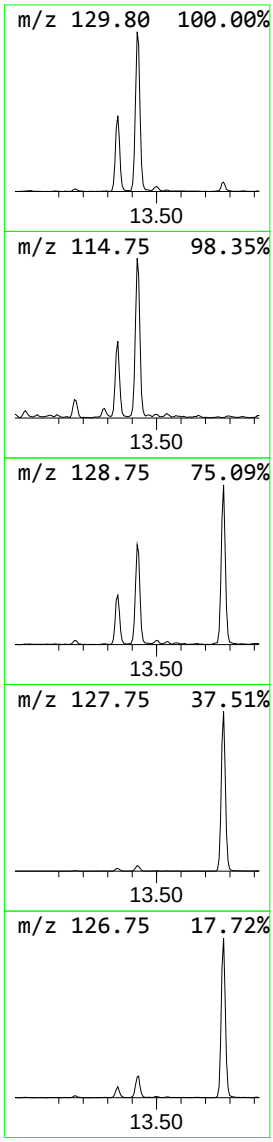
**********

Peak Number 6 2-Methylindene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.420 | 14.98 ug/l | 484023 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 97 |
| 2 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 96 |
| 3 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 96 |
| 4 | Benzene,1-methyl-1,2-propadienyl- | 130 | C10H10 | 022433-39-2 | 96 |
| 5 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

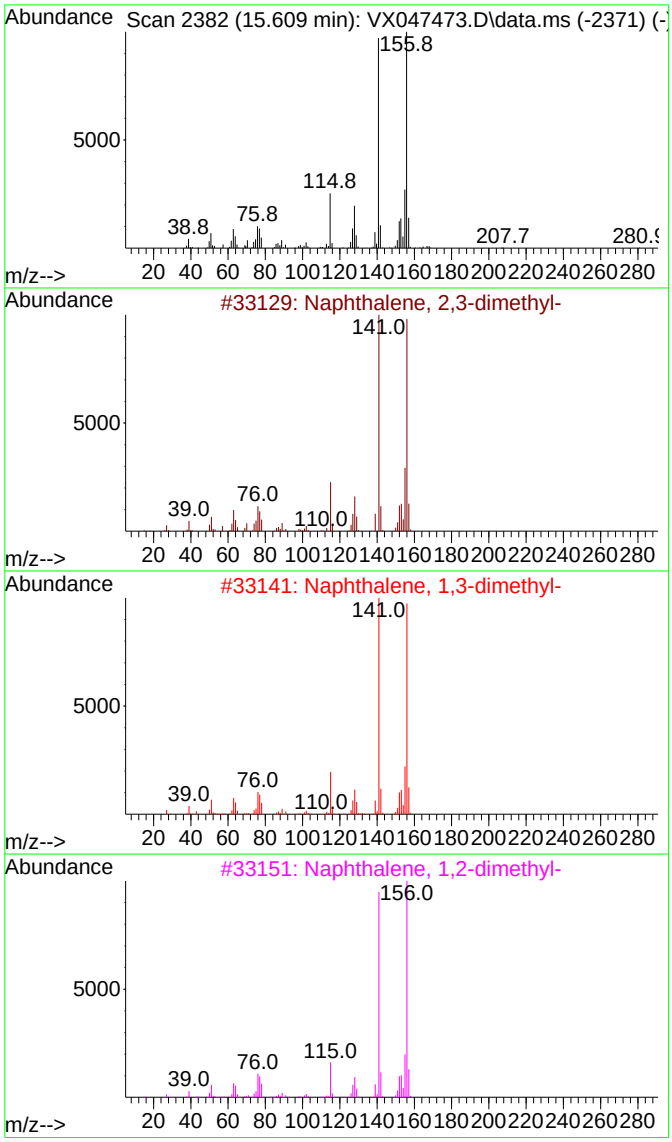
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

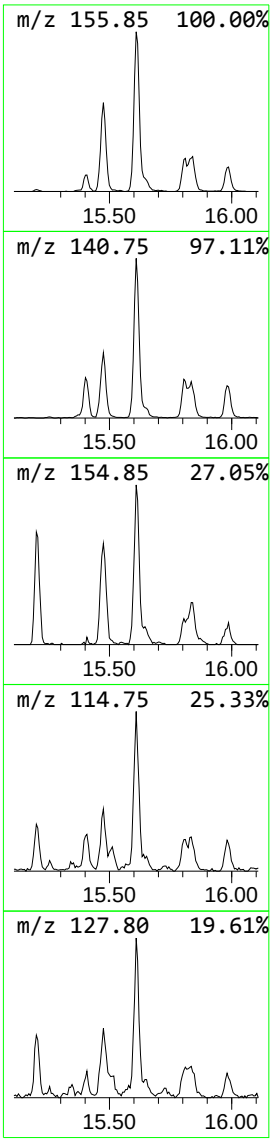
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.609 | 9.88 ug/l | 319122 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 3 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 96 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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 |
| Sulfur dioxide | 1.264 | 73.9 | ug/l | 1030620 | 1 | 5.562 | 697260 | 50.0 |
| Benzene, 1,2,3-... | 12.085 | 8.1 | ug/l | 260206 | 4 | 12.018 | 1615730 | 50.0 |
| Benzene, cyclop... | 12.244 | 9.1 | ug/l | 293537 | 4 | 12.018 | 1615730 | 50.0 |
| Indene | 12.408 | 8.9 | ug/l | 288468 | 4 | 12.018 | 1615730 | 50.0 |
| o-Cymene | 12.609 | 8.8 | ug/l | 282920 | 4 | 12.018 | 1615730 | 50.0 |
| 2-Methylindene | 13.420 | 15.0 | ug/l | 484023 | 4 | 12.018 | 1615730 | 50.0 |
| Naphthalene, 2,... | 15.609 | 9.9 | ug/l | 319122 | 4 | 12.018 | 1615730 | 50.0 |