LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EXET4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SFAMULM042522WMA.M
Title : VOC Analysis

Signal : TIC: VU048320.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.356 | 3 | 5 | 24 | rVB | 36720953 | 32745767 | 21.00% | 4.889% |
| 2 | 1.436 | 24 | 30 | 34 | rVV | 103635 | 106405 | 0.07% | 0.016% |
| 3 | 1.472 | 34 | 41 | 65 | rVB | 1366460 | 1655265 | 1.06% | 0.247% |
| 4 | 1.597 | 70 | 80 | 97 | rBV | 189032 | 282157 | 0.18% | 0.042% |
| 5 | 1.899 | 166 | 174 | 209 | rVB | 135339 | 237122 | 0.15% | 0.035% |
| 6 | 2.163 | 247 | 256 | 265 | rVB | 35401 | 49388 | 0.03% | 0.007% |
| 7 | 2.510 | 347 | 364 | 372 | rBV2 | 194515 | 343101 | 0.22% | 0.051% |
| 8 | 2.565 | 372 | 381 | 391 | rVV | 325848 | 507046 | 0.33% | 0.076% |
| 9 | 2.623 | 391 | 399 | 407 | rVV | 143287 | 230195 | 0.15% | 0.034% |
| 10 | 2.671 | 407 | 414 | 429 | rVB | 98754 | 162876 | 0.10% | 0.024% |
| 11 | 2.777 | 429 | 447 | 464 | rBV2 | 16941 | 47359 | 0.03% | 0.007% |
| 12 | 3.015 | 511 | 521 | 525 | rBV | 33129 | 57575 | 0.04% | 0.009% |
| 13 | 3.083 | 537 | 542 | 551 | rVB2 | 36903 | 55346 | 0.04% | 0.008% |
| 14 | 3.134 | 551 | 558 | 577 | rVB4 | 29259 | 64648 | 0.04% | 0.010% |
| 15 | 3.234 | 578 | 589 | 605 | rVB | 53829 | 109681 | 0.07% | 0.016% |
| 16 | 3.446 | 641 | 655 | 670 | rBV | 85590 | 178036 | 0.11% | 0.027% |
| 17 | 3.697 | 716 | 733 | 755 | rVB3 | 44196 | 97090 | 0.06% | 0.014% |
| 18 | 3.870 | 755 | 787 | 816 | rBV7 | 27860 | 150071 | 0.10% | 0.022% |
| 19 | 4.169 | 866 | 880 | 881 | rBV | 28891 | 41386 | 0.03% | 0.006% |
| 20 | 4.250 | 895 | 905 | 924 | rVB3 | 42854 | 104740 | 0.07% | 0.016% |
| 21 | 4.530 | 977 | 992 | 1008 | rBV2 | 44533 | 115504 | 0.07% | 0.017% |
| 22 | 4.623 | 1008 | 1021 | 1042 | rBV | 183686 | 508863 | 0.33% | 0.076% |
| 23 | 5.063 | 1139 | 1158 | 1171 | rBV | 308386 | 693554 | 0.44% | 0.104% |
| 24 | 5.385 | 1246 | 1258 | 1273 | rVB5 | 62210 | 150703 | 0.10% | 0.022% |
| 25 | 5.777 | 1344 | 1380 | 1407 | rBV2 | 25547530 | 53278688 | 34.17% | 7.954% |
| 26 | 6.250 | 1515 | 1527 | 1545 | rVB | 439105 | 824007 | 0.53% | 0.123% |
| 27 | 6.513 | 1585 | 1609 | 1630 | rBV | 1565260 | 3109763 | 1.99% | 0.464% |
| 28 | 6.690 | 1651 | 1664 | 1675 | rBV | 381401 | 732753 | 0.47% | 0.109% |
| 29 | 6.774 | 1675 | 1690 | 1713 | rVB | 1621585 | 3324076 | 2.13% | 0.496% |
| 30 | 6.996 | 1743 | 1759 | 1795 | rVB | 2770702 | 5065670 | 3.25% | 0.756% |
| 31 | 7.214 | 1817 | 1827 | 1841 | rVB2 | 69350 | 131907 | 0.08% | 0.020% |
| 32 | 7.298 | 1842 | 1853 | 1880 | rVB2 | 83838 | 172305 | 0.11% | 0.026% |
| 33 | 7.494 | 1897 | 1914 | 1928 | rVV | 16502841 | 29936431 | 19.20% | 4.469% |
| 34 | 7.568 | 1929 | 1937 | 1957 | rVB | 254939 | 474776 | 0.30% | 0.071% |
| 35 | 7.899 | 2026 | 2040 | 2051 | rBV | 842856 | 1470902 | 0.94% | 0.220% |
| 36 | 7.986 | 2051 | 2067 | 2117 | rVV | 22691160 | 41478371 | 26.60% | 6.192% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SFAMULM042522WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.182 | 2118 | 2128 | 2141 | rVB | 163418 | 271230 | 0.17% | 0.040% |
| 38 | 8.362 | 2171 | 2184 | 2189 | rBV | 103227 | 188148 | 0.12% | 0.028% |
| 39 | 8.600 | 2228 | 2258 | 2279 | rBV3 | 67700958 | 155924422 | 100.00% | 23.278% |
| 40 | 8.687 | 2280 | 2285 | 2297 | rVV | 297539 | 510554 | 0.33% | 0.076% |
| 41 | 8.751 | 2297 | 2305 | 2318 | rVB | 192884 | 323965 | 0.21% | 0.048% |
| 42 | 8.915 | 2345 | 2356 | 2373 | rVB6 | 32176 | 80197 | 0.05% | 0.012% |
| 43 | 9.018 | 2376 | 2388 | 2403 | rVB | 112802 | 195826 | 0.13% | 0.029% |
| 44 | 9.169 | 2421 | 2435 | 2456 | rBV2 | 589617 | 1168012 | 0.75% | 0.174% |
| 45 | 9.320 | 2472 | 2482 | 2486 | rBV | 28763 | 45480 | 0.03% | 0.007% |
| 46 | 9.369 | 2486 | 2497 | 2506 | rVV | 3216965 | 4820676 | 3.09% | 0.720% |
| 47 | 9.459 | 2506 | 2525 | 2547 | rVV3 | 63151735 | 115972121 | 74.38% | 17.314% |
| 48 | 9.578 | 2549 | 2562 | 2572 | rVV | 1179646 | 2168544 | 1.39% | 0.324% |
| 49 | 9.632 | 2572 | 2579 | 2592 | rVV | 374396 | 655189 | 0.42% | 0.098% |
| 50 | 9.693 | 2592 | 2598 | 2610 | rVB | 34381 | 56877 | 0.04% | 0.008% |
| 51 | 9.844 | 2630 | 2645 | 2661 | rBV4 | 155533 | 331054 | 0.21% | 0.049% |
| 52 | 9.938 | 2661 | 2674 | 2691 | rVV | 1721256 | 2836264 | 1.82% | 0.423% |
| 53 | 10.102 | 2713 | 2725 | 2745 | rBV2 | 40706 | 102839 | 0.07% | 0.015% |
| 54 | 10.253 | 2760 | 2772 | 2786 | rVB2 | 62069 | 107213 | 0.07% | 0.016% |
| 55 | 10.581 | 2858 | 2874 | 2884 | rBV5 | 24974 | 53707 | 0.03% | 0.008% |
| 56 | 10.651 | 2884 | 2896 | 2916 | rVV | 776293 | 1285227 | 0.82% | 0.192% |
| 57 | 10.783 | 2917 | 2937 | 2963 | rVV2 | 5536049 | 9905115 | 6.35% | 1.479% |
| 58 | 10.893 | 2964 | 2971 | 2977 | rVV | 52869 | 95093 | 0.06% | 0.014% |
| 59 | 10.931 | 2978 | 2983 | 2985 | rVV2 | 42502 | 51171 | 0.03% | 0.008% |
| 60 | 10.970 | 2986 | 2995 | 3019 | rVB | 714829 | 1179993 | 0.76% | 0.176% |
| 61 | 11.192 | 3051 | 3064 | 3072 | rBV2 | 185629 | 300518 | 0.19% | 0.045% |
| 62 | 11.250 | 3072 | 3082 | 3104 | rVB | 344536 | 586474 | 0.38% | 0.088% |
| 63 | 11.375 | 3110 | 3121 | 3138 | rVB | 154062 | 250799 | 0.16% | 0.037% |
| 64 | 11.462 | 3138 | 3148 | 3154 | rBV | 120923 | 189497 | 0.12% | 0.028% |
| 65 | 11.507 | 3154 | 3162 | 3178 | rVB | 429628 | 676432 | 0.43% | 0.101% |
| 66 | 11.590 | 3178 | 3188 | 3197 | rBV4 | 29228 | 61106 | 0.04% | 0.009% |
| 67 | 11.719 | 3219 | 3228 | 3230 | rVV | 59147 | 79072 | 0.05% | 0.012% |
| 68 | 11.748 | 3231 | 3237 | 3246 | rVV | 115742 | 187555 | 0.12% | 0.028% |
| 69 | 11.812 | 3246 | 3257 | 3267 | rVV | 906801 | 1547642 | 0.99% | 0.231% |
| 70 | 11.880 | 3268 | 3278 | 3291 | rVV | 2619634 | 4346350 | 2.79% | 0.649% |
| 71 | 11.954 | 3291 | 3301 | 3312 | rVV | 607933 | 1053303 | 0.68% | 0.157% |
| 72 | 12.018 | 3312 | 3321 | 3331 | rVV | 388582 | 596565 | 0.38% | 0.089% |
| 73 | 12.105 | 3340 | 3348 | 3358 | rVB2 | 77617 | 114907 | 0.07% | 0.017% |
| 74 | 12.208 | 3363 | 3380 | 3401 | rVB4 | 2723141 | 5502375 | 3.53% | 0.821% |
| 75 | 12.468 | 3449 | 3461 | 3481 | rVB | 1773502 | 2788197 | 1.79% | 0.416% |
| 76 | 12.622 | 3498 | 3509 | 3520 | rVV4 | 85268 | 148973 | 0.10% | 0.022% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SFAMULM042522WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 12.706 | 3521 | 3535 | 3548 | rVV | 2446456 | 3611910 | 2.32% | 0.539% |
| 78 | 12.873 | 3569 | 3587 | 3592 | rBV | 163282 | 271373 | 0.17% | 0.041% |
| 79 | 12.909 | 3592 | 3598 | 3605 | rVV | 240313 | 373709 | 0.24% | 0.056% |
| 80 | 12.970 | 3605 | 3617 | 3644 | rVB | 3241689 | 5185967 | 3.33% | 0.774% |
| 81 | 13.159 | 3665 | 3676 | 3685 | rBV2 | 55372 | 94606 | 0.06% | 0.014% |
| 82 | 13.214 | 3685 | 3693 | 3704 | rVB2 | 75754 | 113022 | 0.07% | 0.017% |
| 83 | 13.327 | 3718 | 3728 | 3733 | rBV | 215547 | 325739 | 0.21% | 0.049% |
| 84 | 13.388 | 3733 | 3747 | 3761 | rVB | 45917467 | 71902021 | 46.11% | 10.734% |
| 85 | 13.716 | 3844 | 3849 | 3857 | rVB | 37374 | 51729 | 0.03% | 0.008% |
| 86 | 13.777 | 3858 | 3868 | 3873 | rBV2 | 139236 | 229636 | 0.15% | 0.034% |
| 87 | 14.053 | 3944 | 3954 | 3972 | rVB8 | 46170 | 95295 | 0.06% | 0.014% |
| 88 | 14.211 | 3993 | 4003 | 4018 | rBV5 | 28302 | 62339 | 0.04% | 0.009% |
| 89 | 14.359 | 4039 | 4049 | 4059 | rVB | 399122 | 595226 | 0.38% | 0.089% |
| 90 | 14.433 | 4059 | 4072 | 4081 | rBV | 6413468 | 9794817 | 6.28% | 1.462% |
| 91 | 14.497 | 4081 | 4092 | 4115 | rVB | 14370786 | 22918862 | 14.70% | 3.422% |
| 92 | 14.950 | 4219 | 4233 | 4262 | rVB3 | 839820 | 1592251 | 1.02% | 0.238% |
| 93 | 15.285 | 4325 | 4337 | 4342 | rBV2 | 108867 | 186387 | 0.12% | 0.028% |
| 94 | 15.317 | 4342 | 4347 | 4360 | rVB2 | 117211 | 184447 | 0.12% | 0.028% |
| 95 | 15.468 | 4385 | 4394 | 4403 | rBV2 | 25714 | 41045 | 0.03% | 0.006% |
| 96 | 15.552 | 4403 | 4420 | 4454 | rBV | 35884366 | 56136124 | 36.00% | 8.381% |
| 97 | 15.693 | 4456 | 4464 | 4481 | rVB | 49965 | 93157 | 0.06% | 0.014% |
| 98 | 15.802 | 4491 | 4498 | 4509 | rVB2 | 27446 | 47471 | 0.03% | 0.007% |
| 99 | 16.388 | 4669 | 4680 | 4689 | rBV | 244598 | 387526 | 0.25% | 0.058% |
| 100 | 16.433 | 4689 | 4694 | 4705 | rVB2 | 54138 | 79231 | 0.05% | 0.012% |

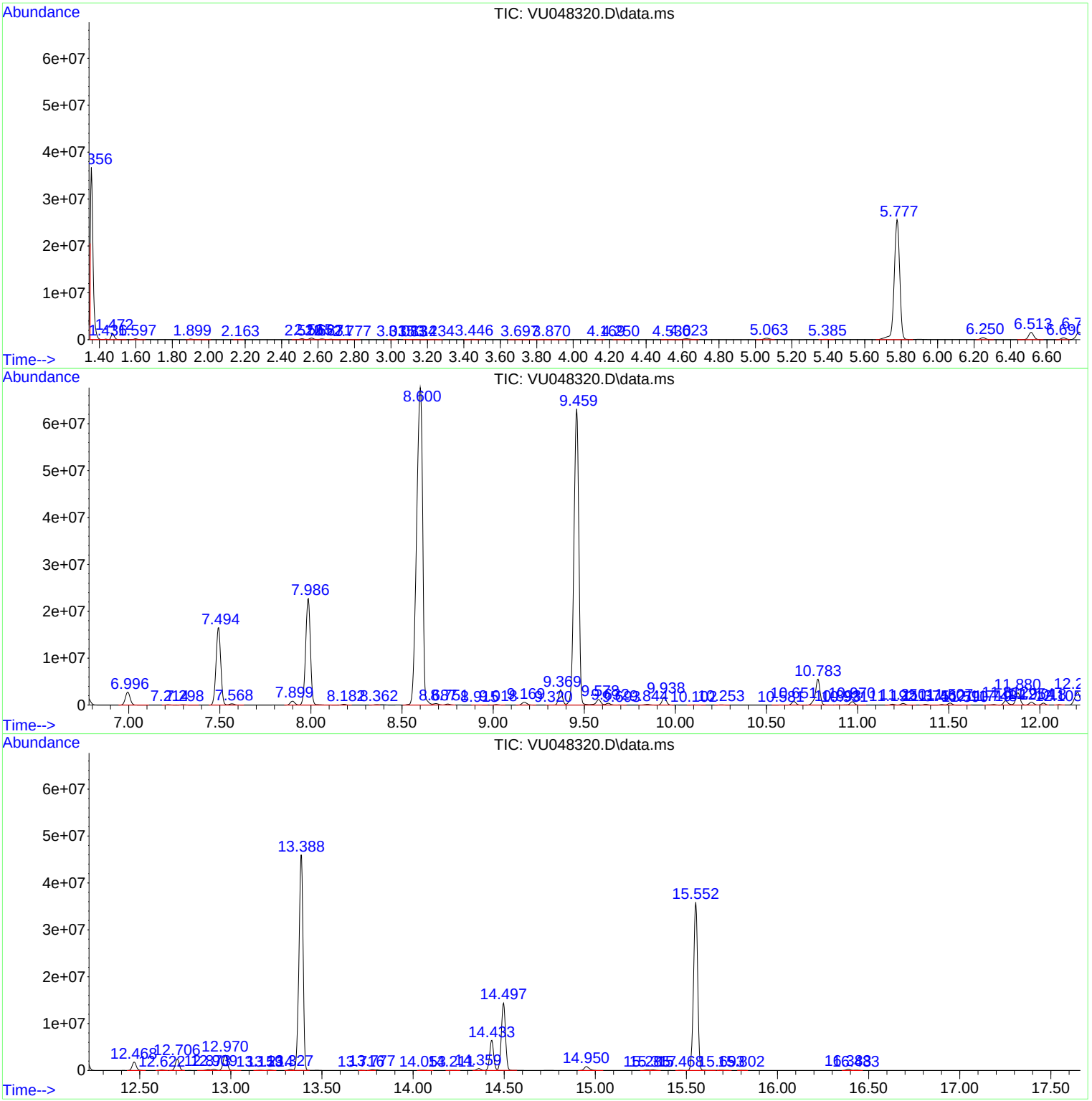
Sum of corrected areas: 669826099

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

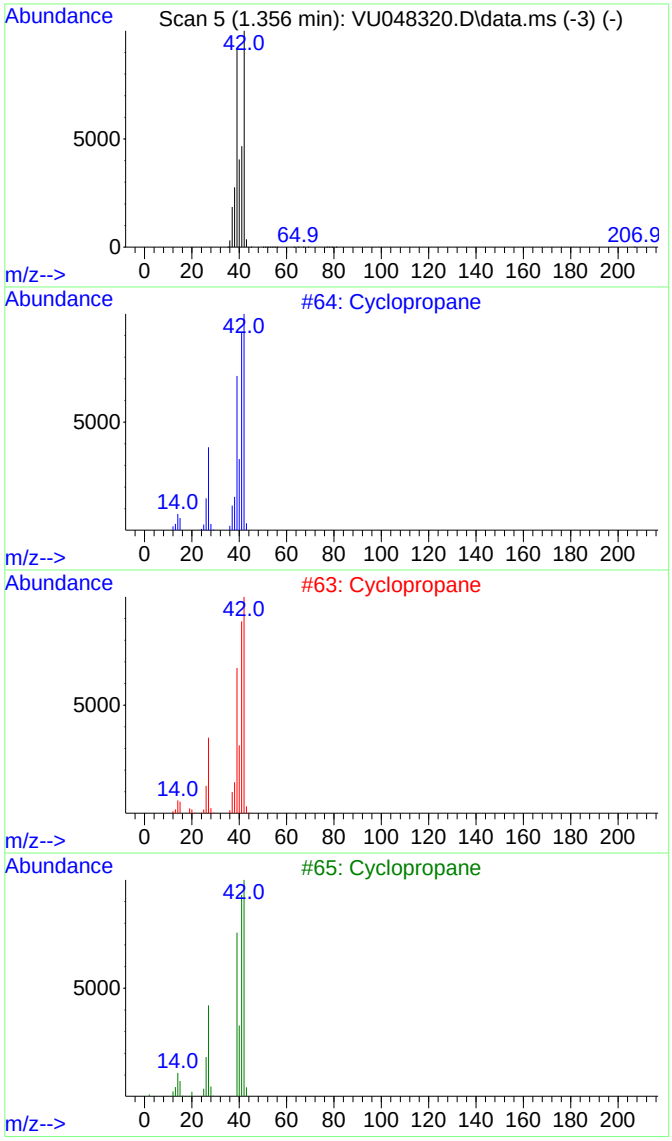
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

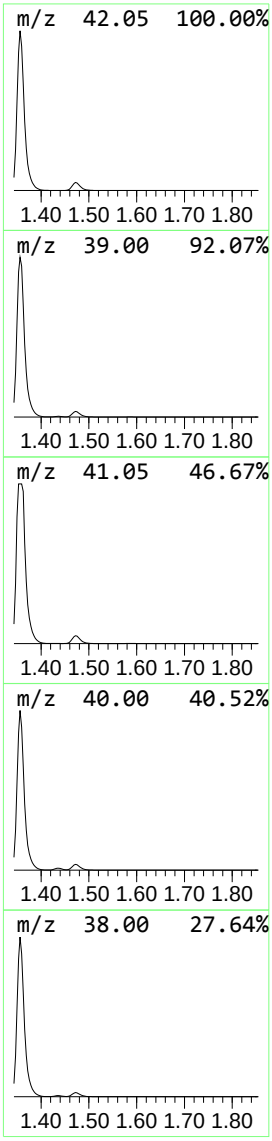
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Cyclic1.356 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.356 | 1986.98 ug/L | 32745800 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 64 |
| 2 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 64 |
| 3 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 38 |
| 4 | Cyclopropene | 40 | C3H4 | 002781-85-3 | 14 |
| 5 | 2-Oxetanone, 4-methyl- | 86 | C4H6O2 | 003068-88-0 | 2 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

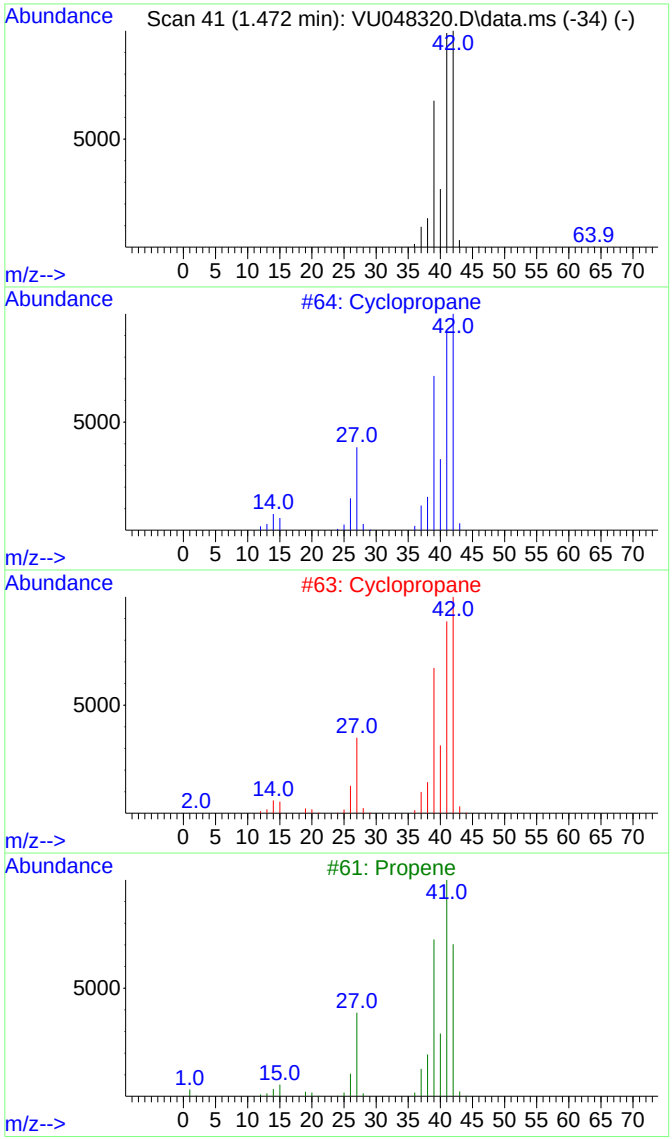
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

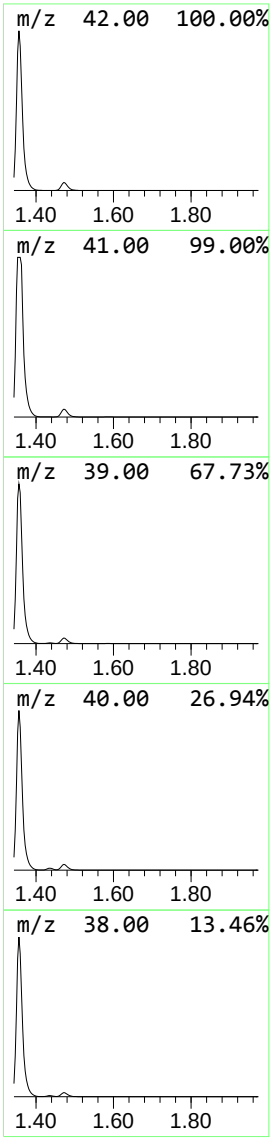
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Cyclic1.472 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.472 | 100.44 ug/L | 1655270 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 90 |
| 2 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 90 |
| 3 | Propene | 42 | C3H6 | 000115-07-1 | 83 |
| 4 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 53 |
| 5 | Cyclopropene | 40 | C3H4 | 002781-85-3 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

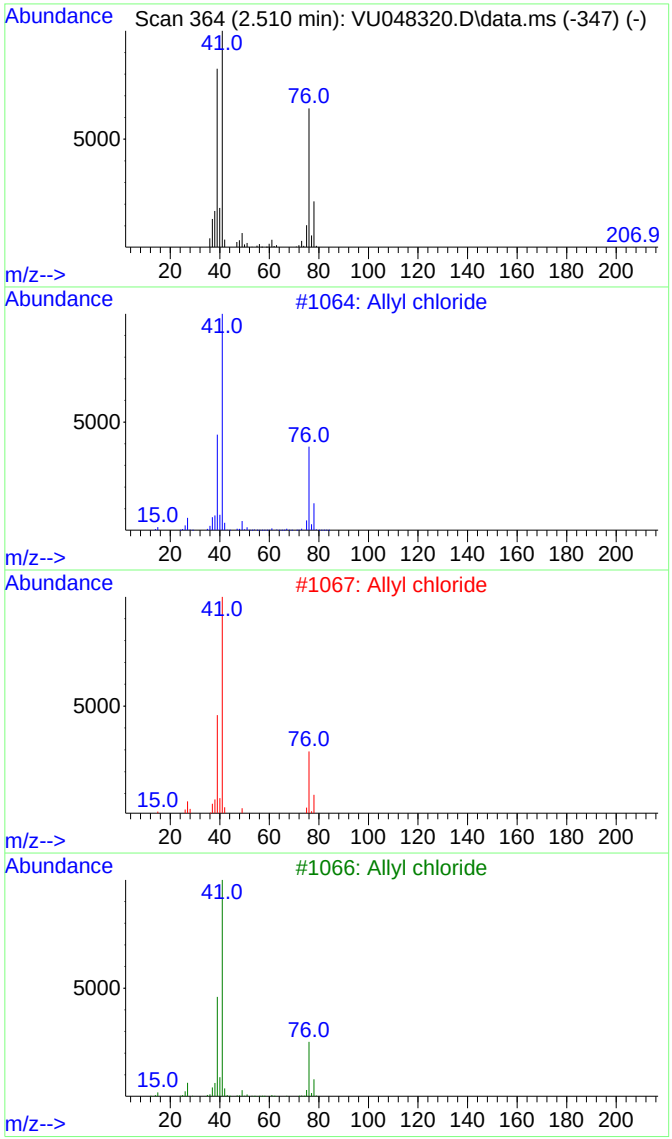
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

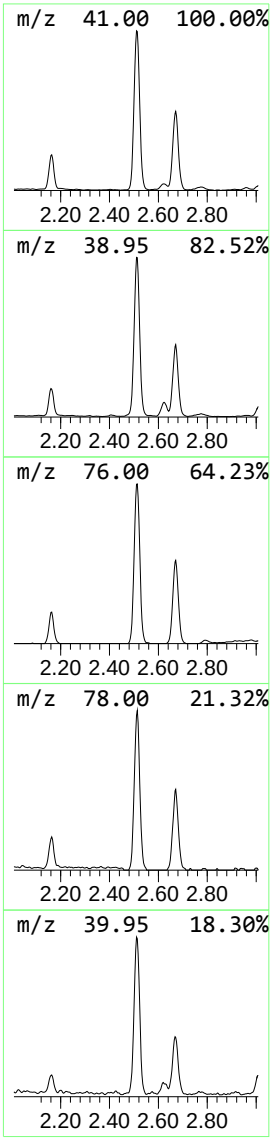
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Allyl chloride Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.510 | 20.82 ug/L | 343101 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Allyl chloride | 76 | C3H5Cl | 000107-05-1 | 90 |
| 2 | Allyl chloride | 76 | C3H5Cl | 000107-05-1 | 86 |
| 3 | Allyl chloride | 76 | C3H5Cl | 000107-05-1 | 78 |
| 4 | 1-Propyne, 3-chloro- | 74 | C3H3Cl | 000624-65-7 | 50 |
| 5 | 2-Butenal, (E)- | 70 | C4H6O | 000123-73-9 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

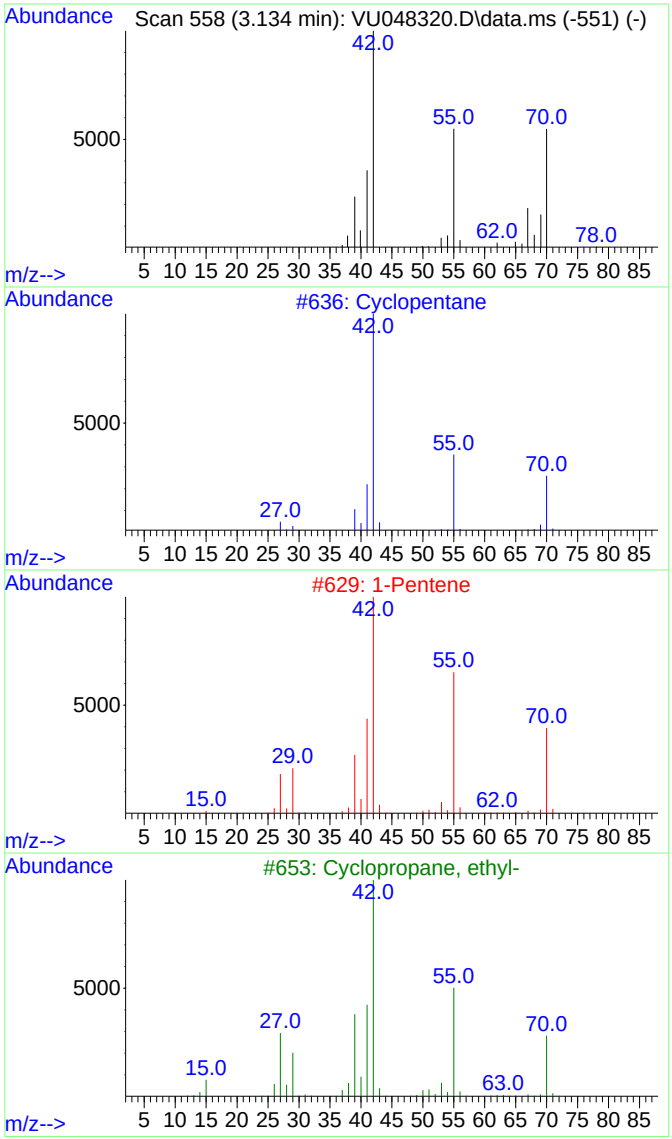
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

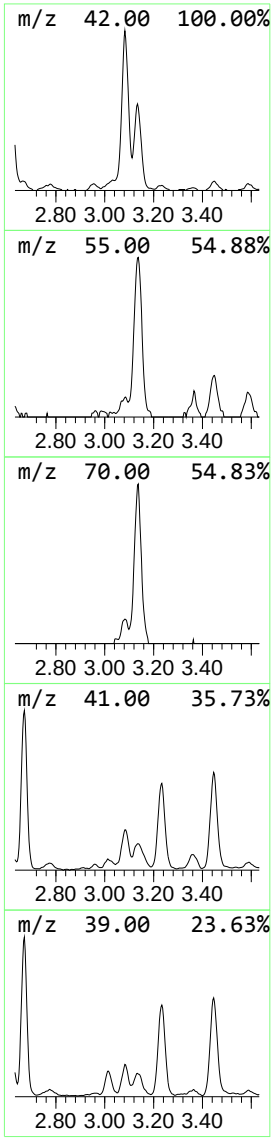
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 (DEL) Alkane: Cyclic3.134 Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.134 | 3.92 ug/L | 64648 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane | 70 | C5H10 | 000287-92-3 | 78 |
| 2 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 64 |
| 3 | Cyclopropane, ethyl- | 70 | C5H10 | 001191-96-4 | 45 |
| 4 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 42 |
| 5 | Cyclopropane, 1,1-dimethyl- | 70 | C5H10 | 001630-94-0 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

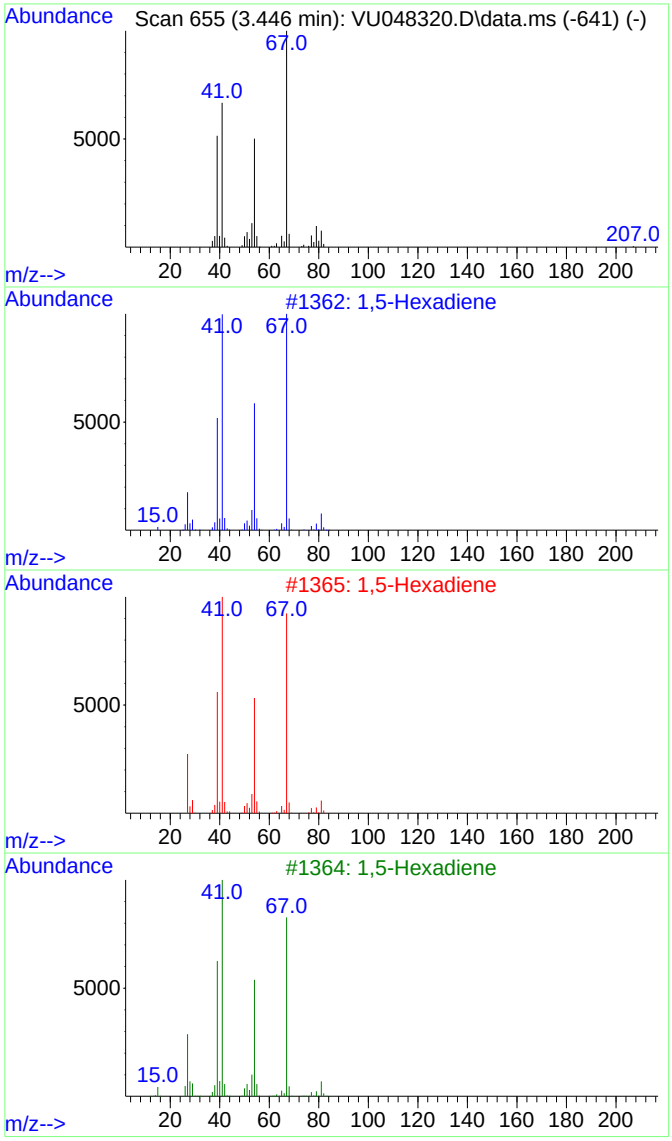
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

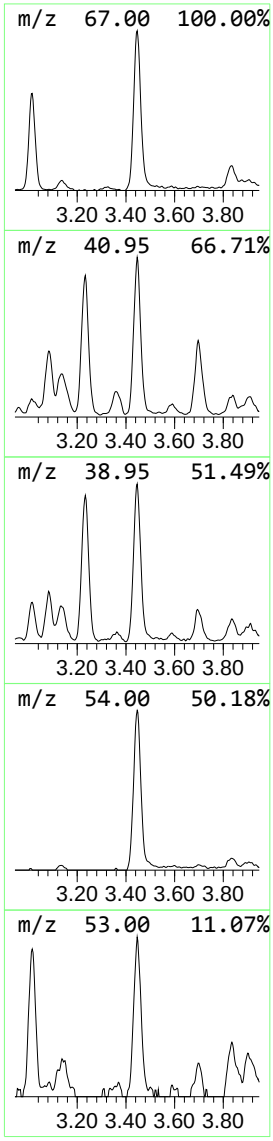
**********

Peak Number 9 1,5-Hexadiene Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.446 | 10.80 ug/L | 178036 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,5-Hexadiene | 82 | C6H10 | 000592-42-7 | 90 |
| 2 | 1,5-Hexadiene | 82 | C6H10 | 000592-42-7 | 90 |
| 3 | 1,5-Hexadiene | 82 | C6H10 | 000592-42-7 | 90 |
| 4 | Palladium, [1,2-ethanediylbis[bi... | 506 | C24H50P2Pd | 138234-16-9 | 78 |
| 5 | Cyclopropane, 1,2-dimethyl-3-met... | 82 | C6H10 | 062338-02-7 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

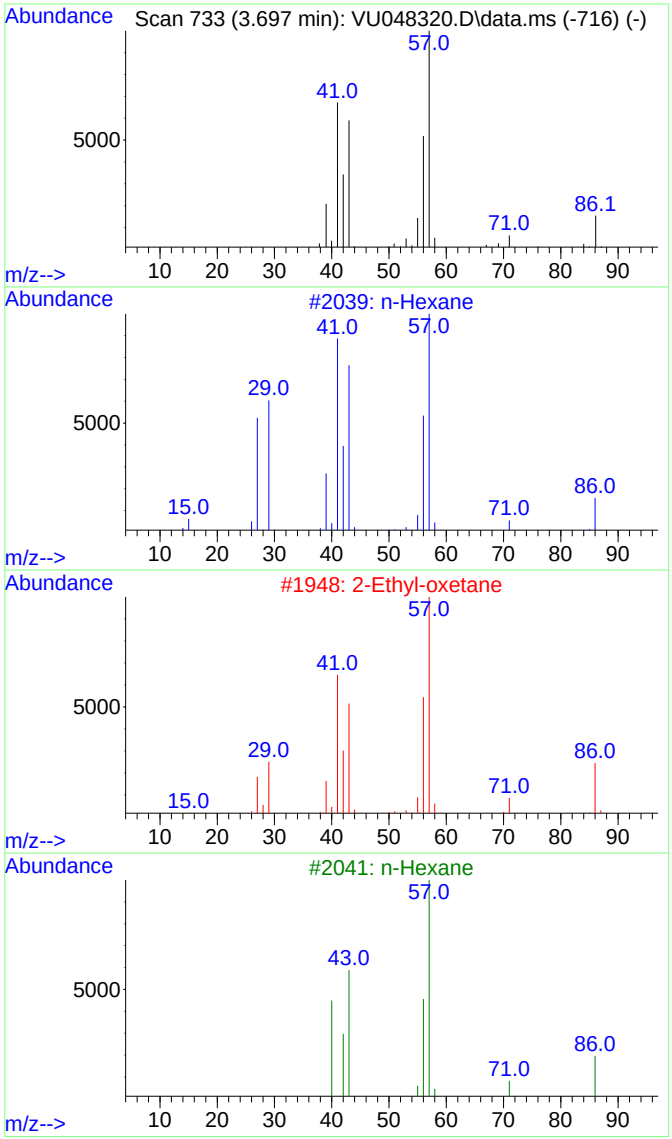
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

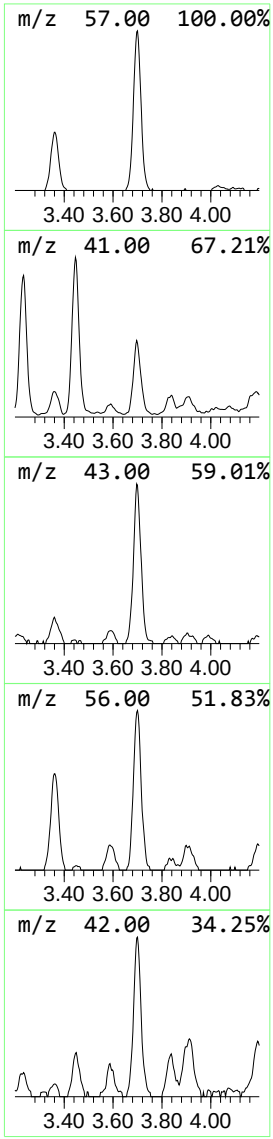
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.697 | 5.89 ug/L | 97090 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexane | 86 | C6H14 | 000110-54-3 | 91 |
| 2 | 2-Ethyl-oxetane | 86 | C5H10O | 1010386-40-2 | 91 |
| 3 | n-Hexane | 86 | C6H14 | 000110-54-3 | 86 |
| 4 | n-Hexane | 86 | C6H14 | 000110-54-3 | 58 |
| 5 | n-Hexane | 86 | C6H14 | 000110-54-3 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

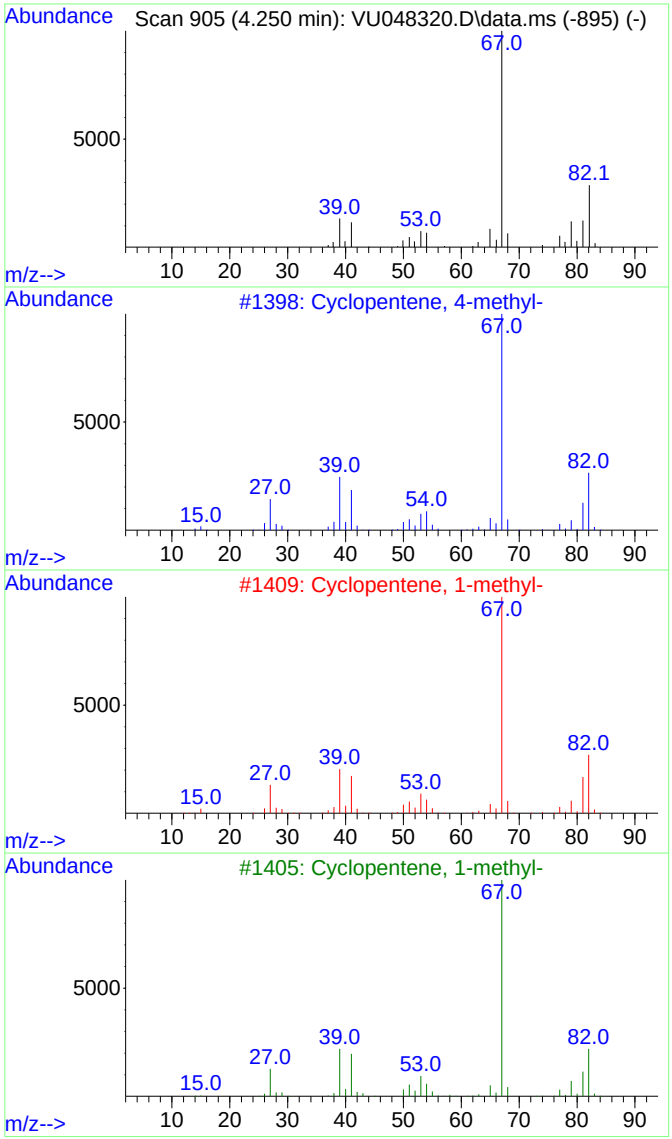
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

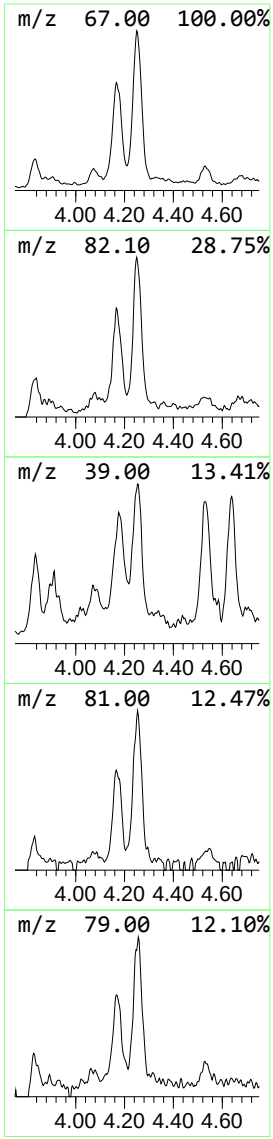
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Cyclopentene, 4-methyl- Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.250 | 6.36 ug/L | 104740 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 4-methyl- | 82 | C6H10 | 001759-81-5 | 90 |
| 2 | Cyclopentene, 1-methyl- | 82 | C6H10 | 000693-89-0 | 87 |
| 3 | Cyclopentene, 1-methyl- | 82 | C6H10 | 000693-89-0 | 86 |
| 4 | Cyclopentene, 3-methyl- | 82 | C6H10 | 001120-62-3 | 86 |
| 5 | Cyclopentene, 3-methyl- | 82 | C6H10 | 001120-62-3 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

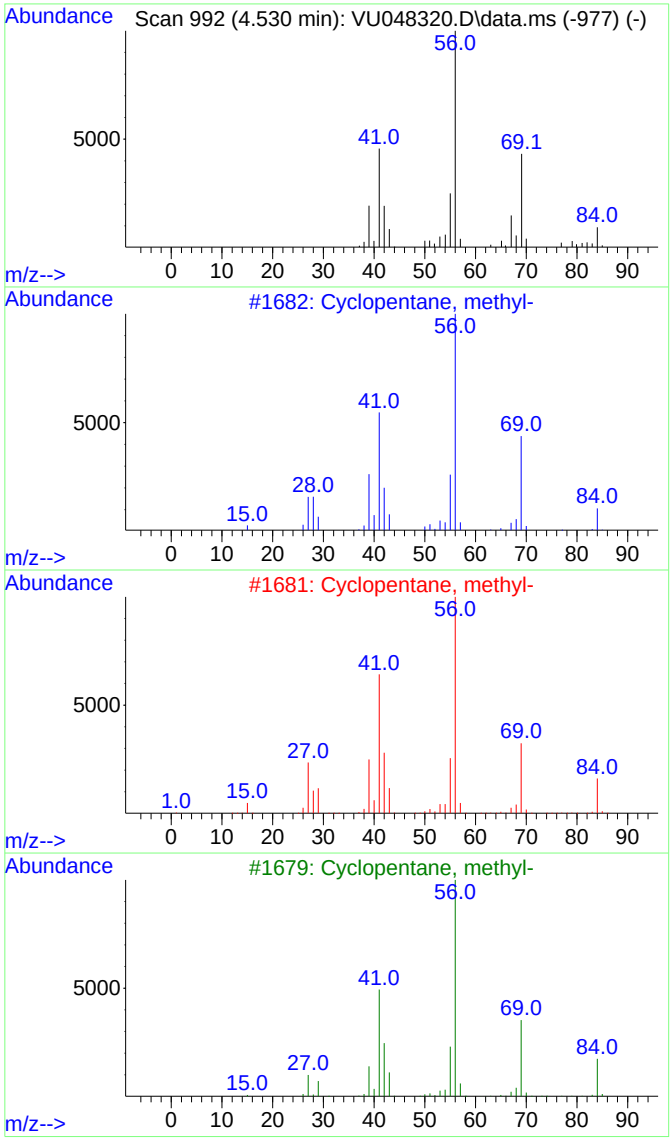
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

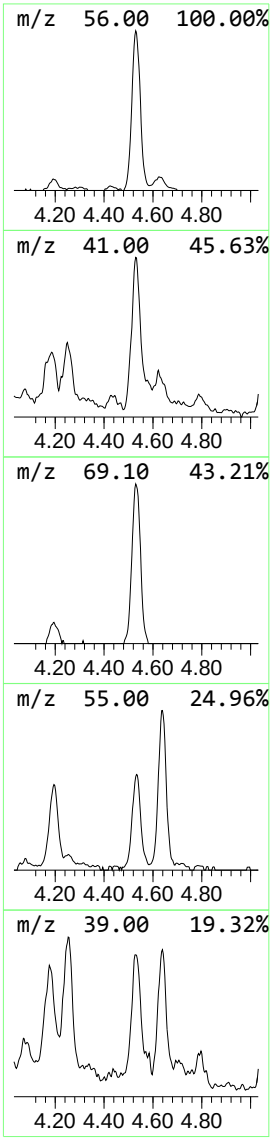
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 (DEL) Alkane: Cyclic4.530 Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.530 | 7.01 ug/L | 115504 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 90 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 83 |
| 3 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 80 |
| 4 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 72 |
| 5 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

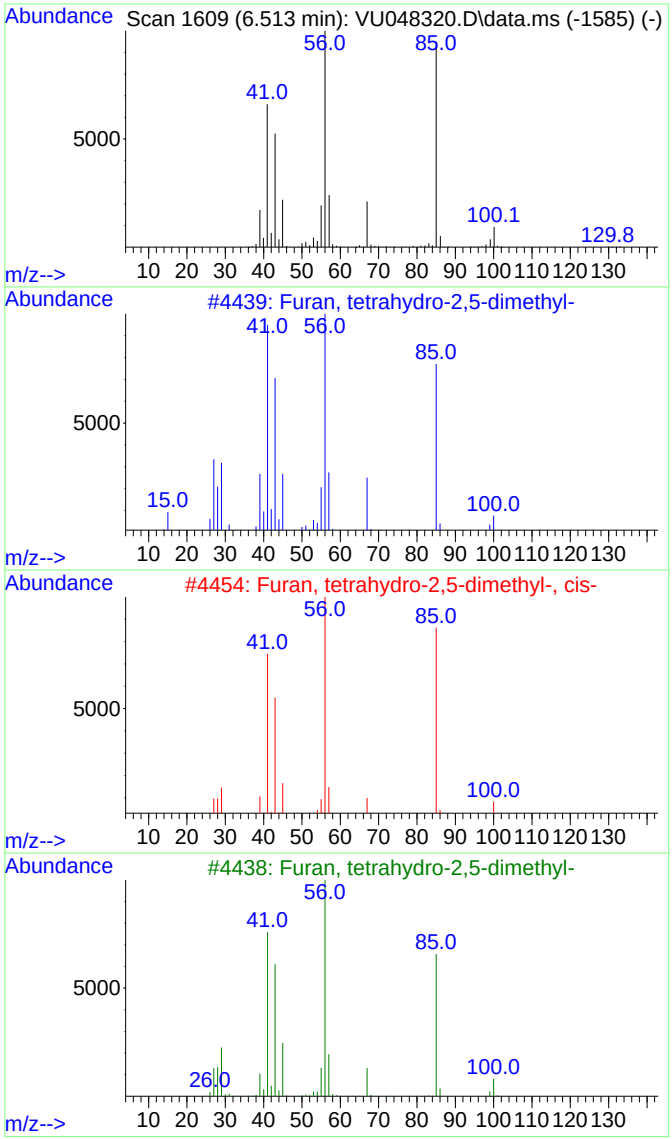
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

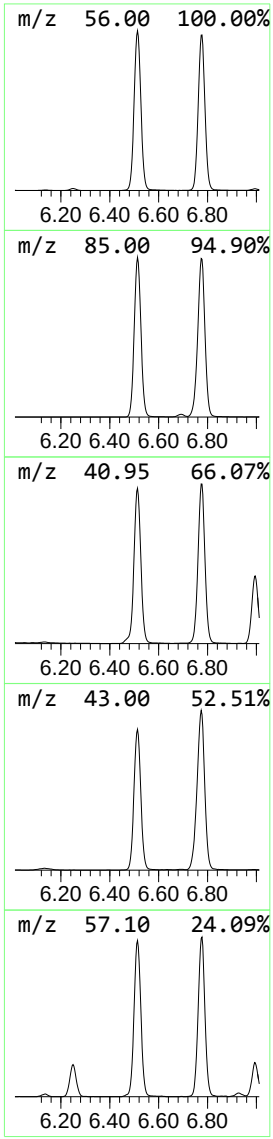
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Furan, tetrahydro-2,5-dimet... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.513 | 188.70 ug/L | 3109760 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 91 |
| 2 | Furan, tetrahydro-2,5-dimethyl-,... | 100 | C6H12O | 002144-41-4 | 87 |
| 3 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 76 |
| 4 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 76 |
| 5 | 2H-Pyran-2-ol, tetrahydro- | 102 | C5H10O2 | 000694-54-2 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

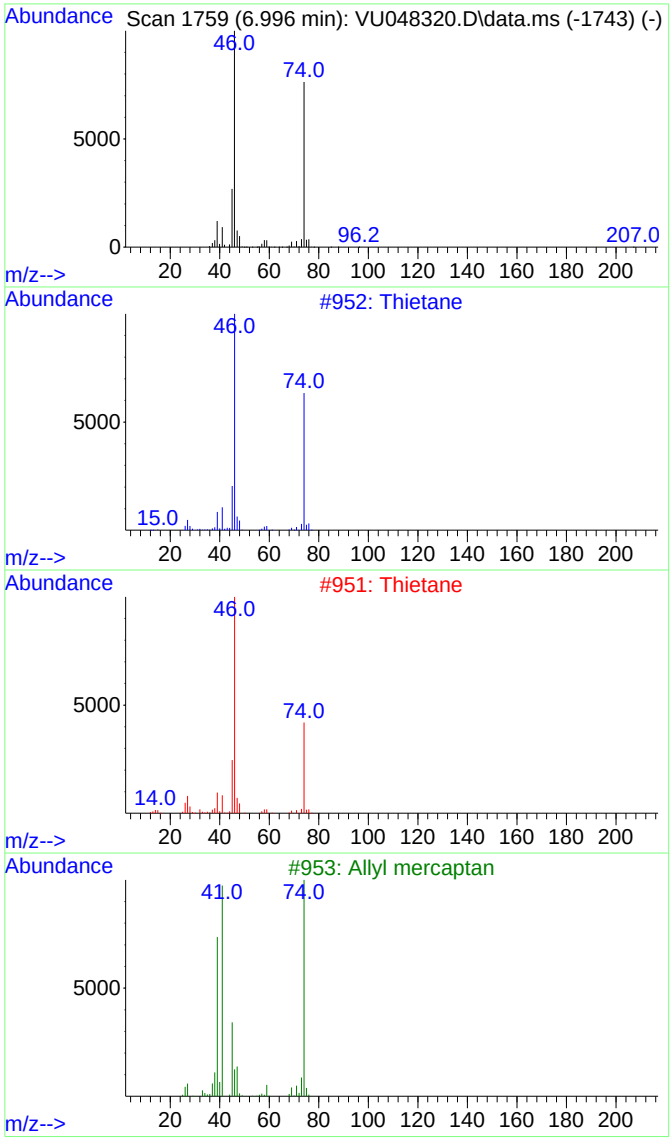
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

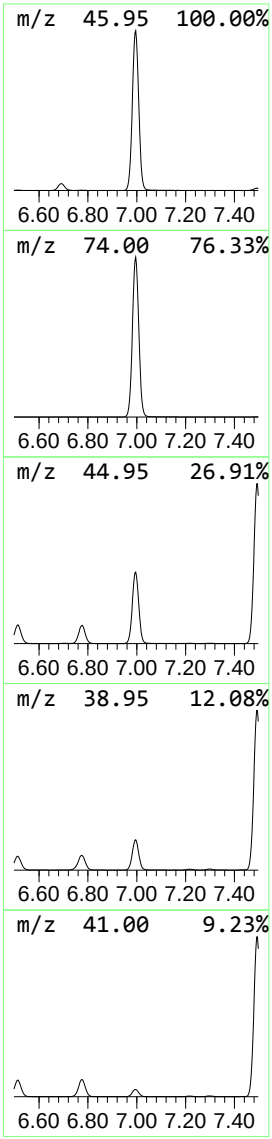
**********

Peak Number 15 Thietane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.996 | 307.38 ug/L | 5065670 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thietane | 74 | C3H6S | 000287-27-4 | 91 |
| 2 | Thietane | 74 | C3H6S | 000287-27-4 | 91 |
| 3 | Allyl mercaptan | 74 | C3H6S | 000870-23-5 | 37 |
| 4 | Thiirane, methyl- | 74 | C3H6S | 001072-43-1 | 25 |
| 5 | Thiirane, methyl- | 74 | C3H6S | 001072-43-1 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

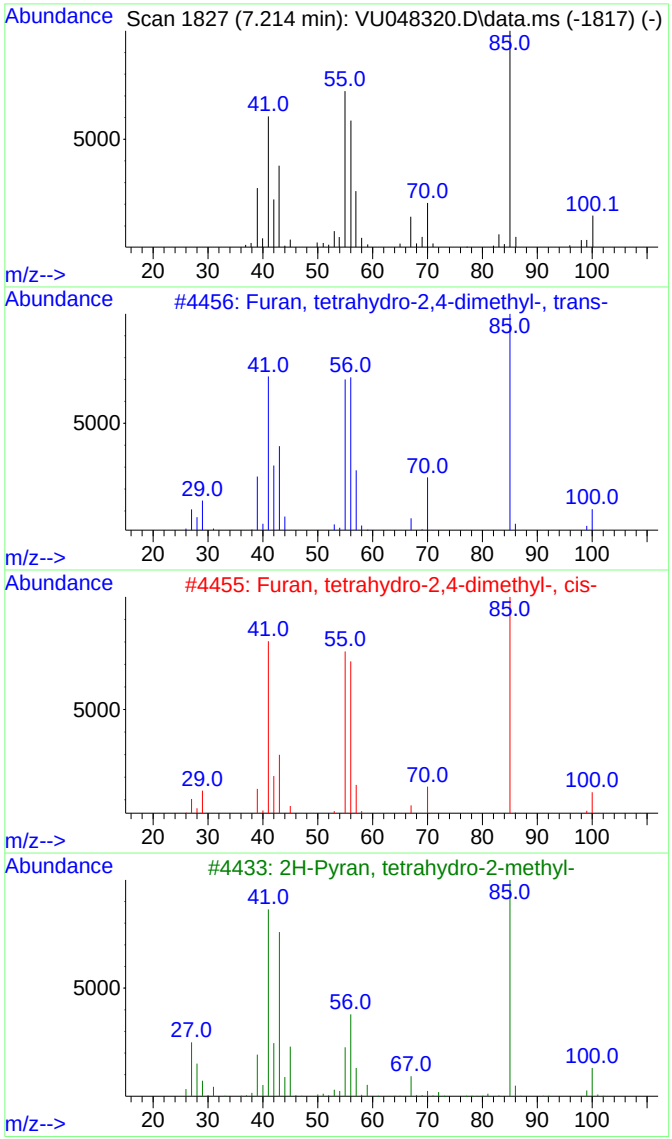
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

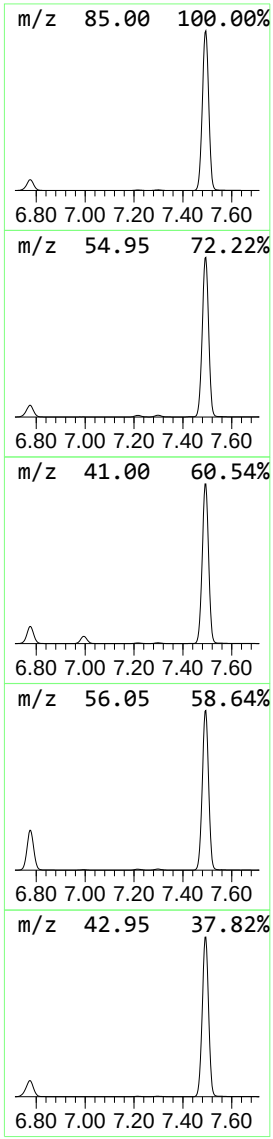
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Furan, tetrahydro-2,4-dimet... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.214 | 8.00 ug/L | 131907 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,4-dimethyl-,... | 100 | C6H12O | 039168-02-0 | 91 |
| 2 | Furan, tetrahydro-2,4-dimethyl-,... | 100 | C6H12O | 039168-01-9 | 80 |
| 3 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 64 |
| 4 | Furan, tetrahydro-2,5-dimethyl- | 100 | C6H12O | 001003-38-9 | 59 |
| 5 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

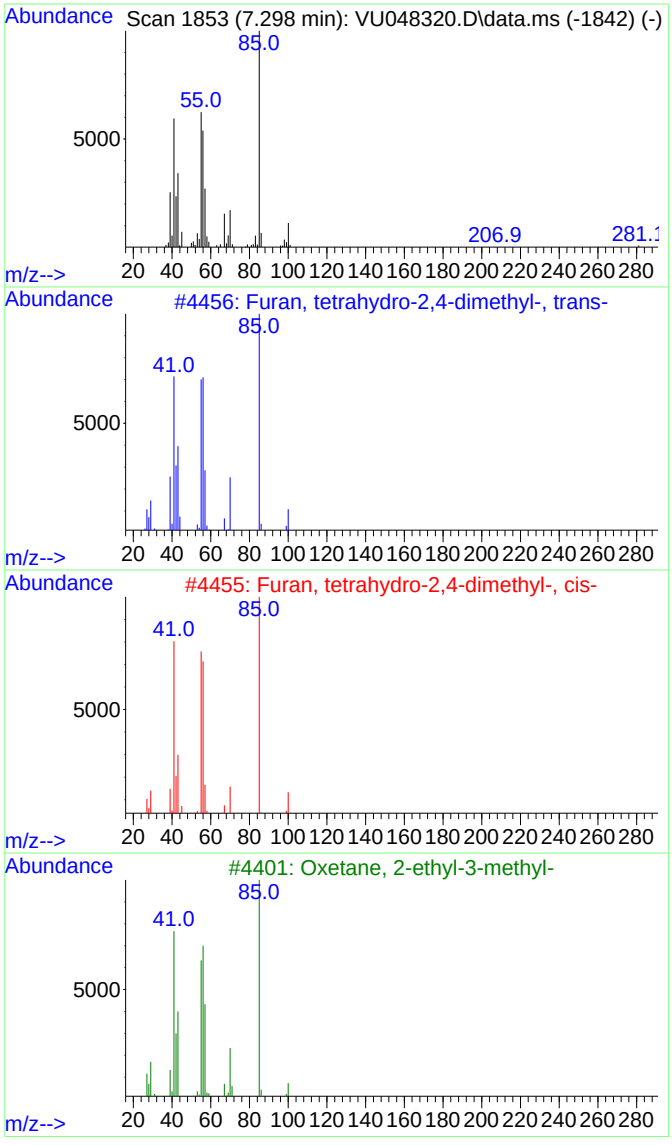
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

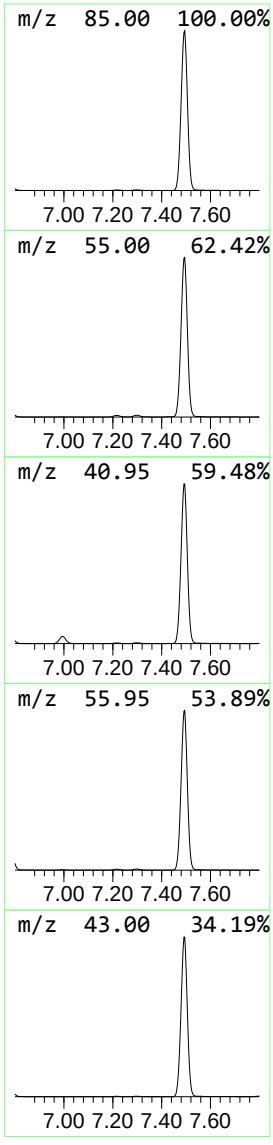
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Furan, tetrahydro-2,4-dimet... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.298 | 10.46 ug/L | 172305 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,4-dimethyl-,... | 100 | C6H12O | 039168-02-0 | 90 |
| 2 | Furan, tetrahydro-2,4-dimethyl-,... | 100 | C6H12O | 039168-01-9 | 87 |
| 3 | Oxetane, 2-ethyl-3-methyl- | 100 | C6H12O | 053778-62-4 | 86 |
| 4 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 72 |
| 5 | 1-Bromo-8-tetrahydropyranyloxyoc... | 292 | C13H25BrO2 | 050816-20-1 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

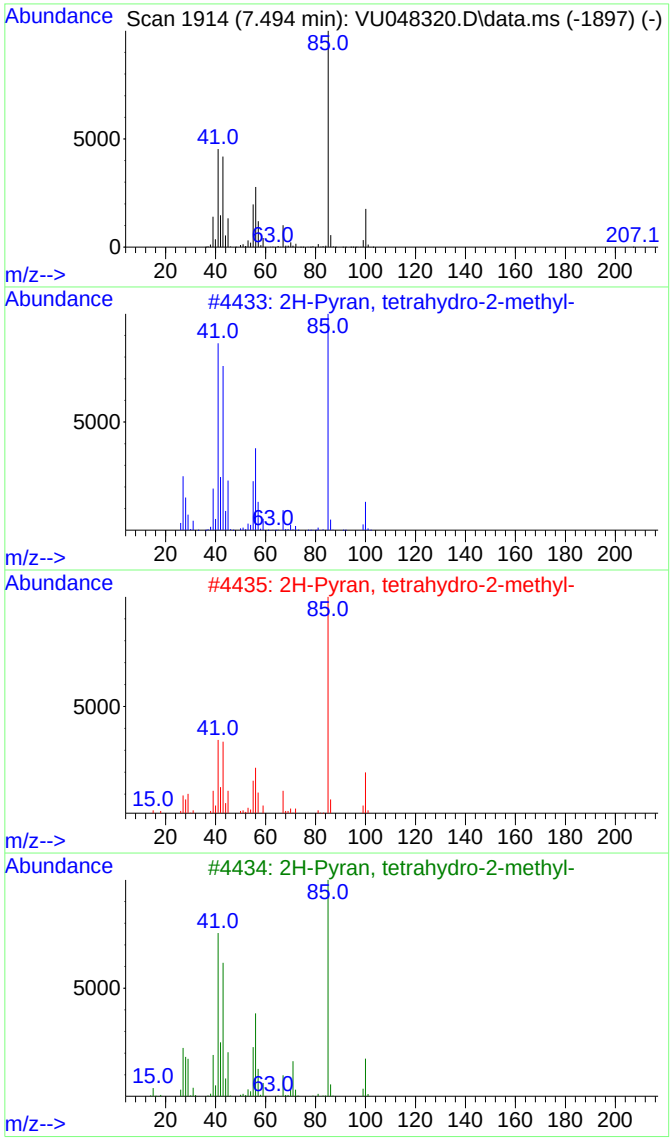
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

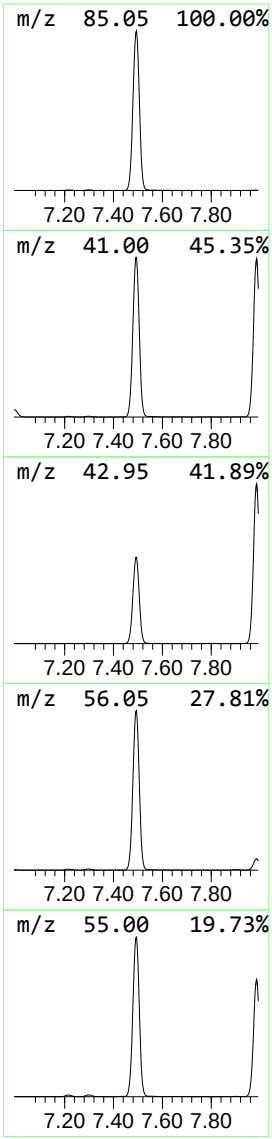
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.494 | 1816.52 ug/L | 29936400 | 1,4-Difluorobenzene | 6.250 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 94 |
| 2 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 90 |
| 3 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 76 |
| 4 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 70 |
| 5 | Furan, tetrahydro-2,4-dimethyl-,... | 100 | C6H12O | 039168-01-9 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

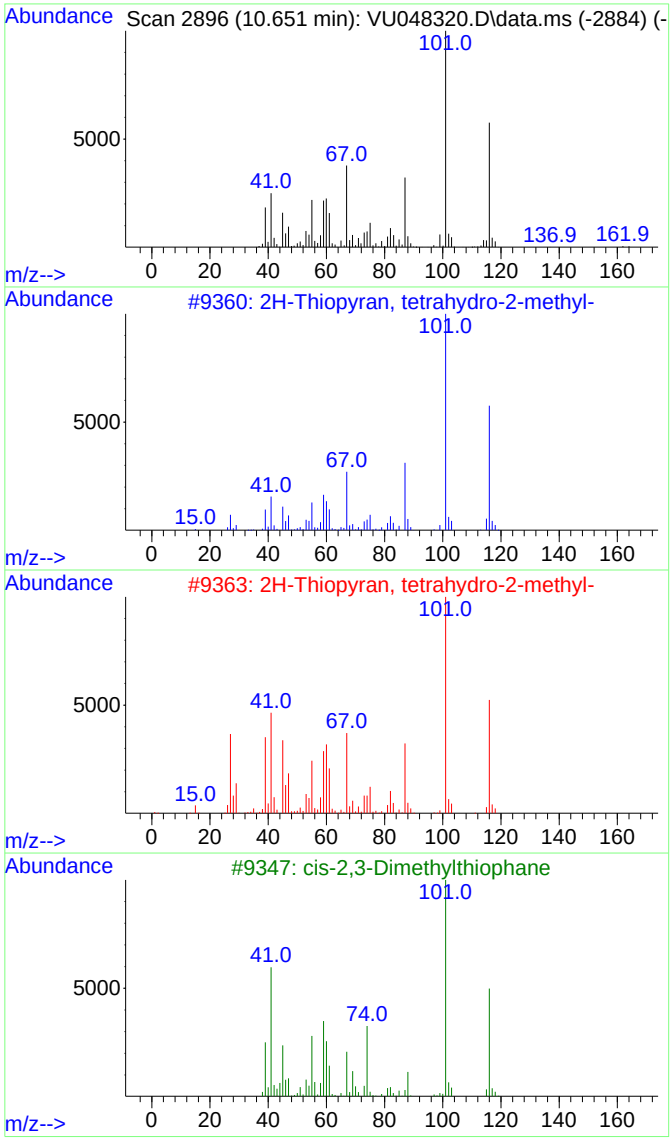
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

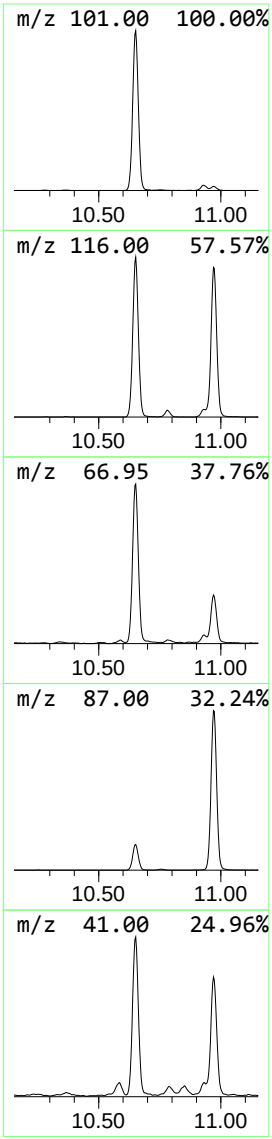
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 2H-Thiopyran, tetrahydro-2-... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.652 | 41.52 ug/L | 1285230 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Thiopyran, tetrahydro-2-methyl- | 116 | C6H12S | 005161-16-0 | 96 |
| 2 | 2H-Thiopyran, tetrahydro-2-methyl- | 116 | C6H12S | 005161-16-0 | 95 |
| 3 | cis-2,3-Dimethylthiophane | 116 | C6H12S | 005161-77-3 | 87 |
| 4 | cis-2,3-Dimethylthiophane | 116 | C6H12S | 005161-77-3 | 80 |
| 5 | trans-2,3-Dimethylthiophane | 116 | C6H12S | 005161-78-4 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

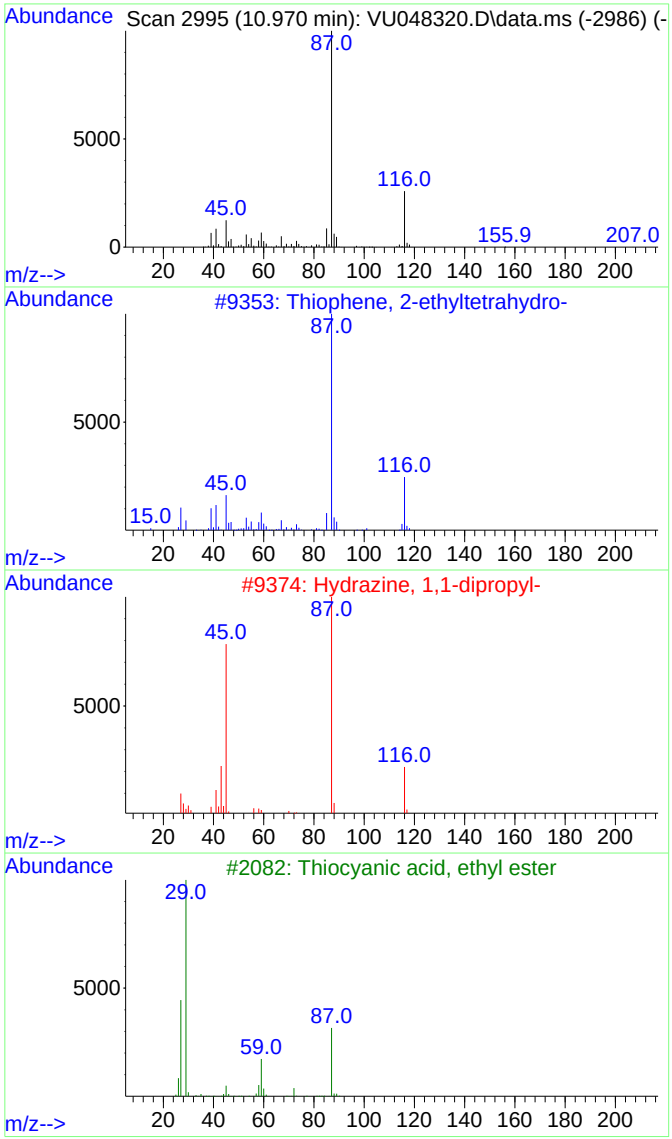
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

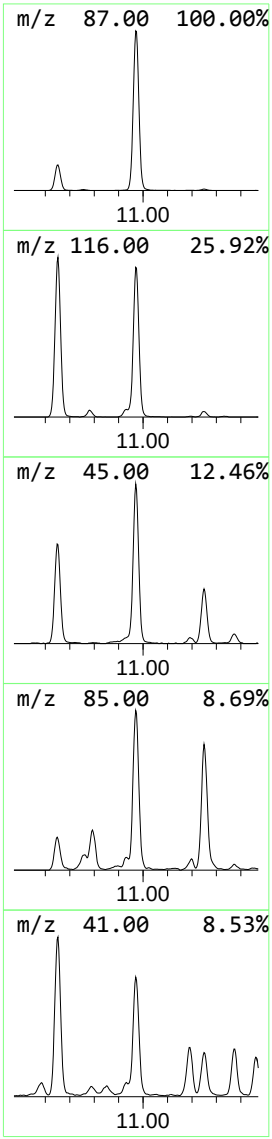
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Thiophene, 2-ethyltetrahydro- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.970 | 38.12 ug/L | 1179990 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiophene, 2-ethyltetrahydro- | 116 | C6H12S | 001551-32-2 | 95 |
| 2 | Hydrazine, 1,1-dipropyl- | 116 | C6H16N2 | 004986-50-9 | 59 |
| 3 | Thiocyanic acid, ethyl ester | 87 | C3H5NS | 000542-90-5 | 52 |
| 4 | Hydrazine, 1-ethyl-1-(1-methylpr... | 116 | C6H16N2 | 020325-97-7 | 50 |
| 5 | Thiophene, 2-ethyltetrahydro- | 116 | C6H12S | 001551-32-2 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

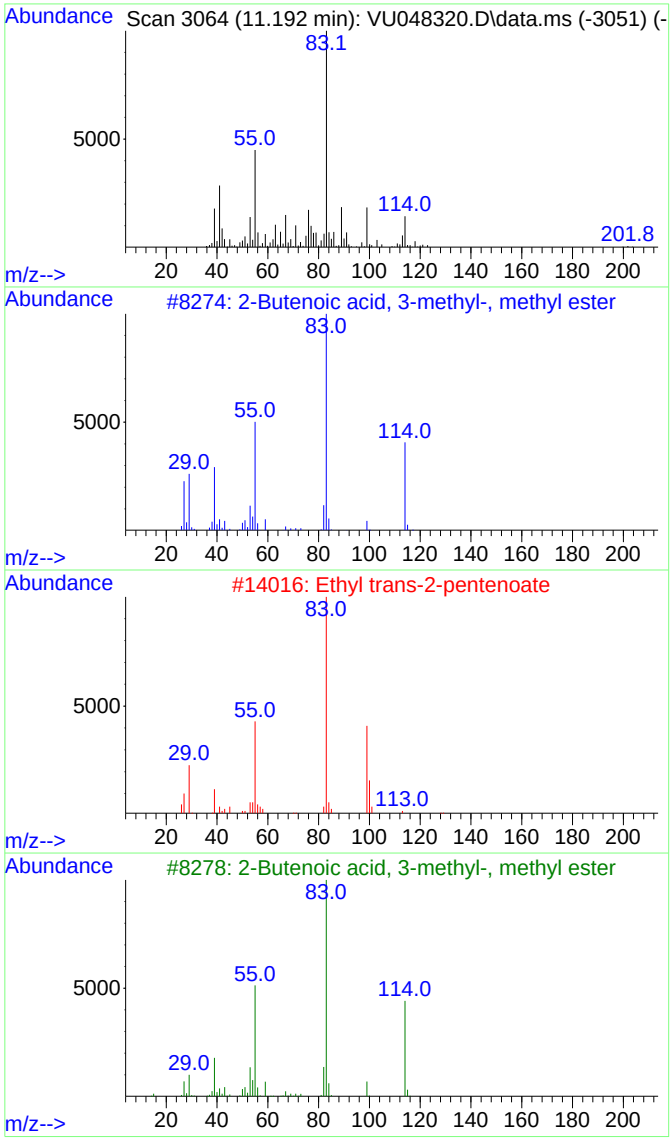
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

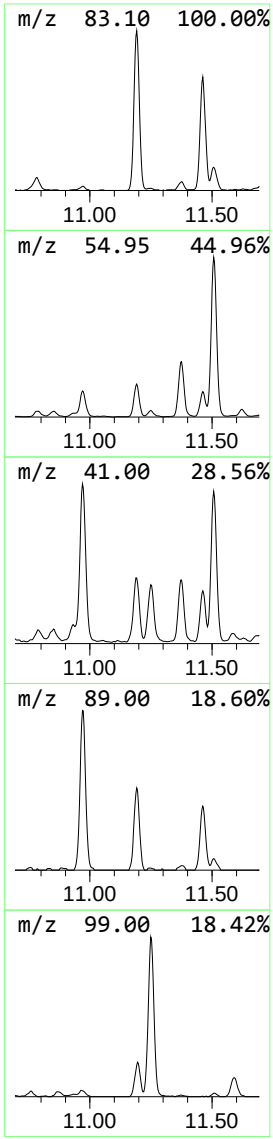
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 2-Butenoic acid, 3-methyl-,... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.192 | 9.71 ug/L | 300518 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butenoic acid, 3-methyl-, meth... | 114 | C6H10O2 | 000924-50-5 | 52 |
| 2 | Ethyl trans-2-pentenoate | 128 | C7H12O2 | 024410-84-2 | 50 |
| 3 | 2-Butenoic acid, 3-methyl-, meth... | 114 | C6H10O2 | 000924-50-5 | 50 |
| 4 | 2-Butenoic acid, 3-methyl-, meth... | 114 | C6H10O2 | 000924-50-5 | 50 |
| 5 | 2-Pentenoic acid, ethyl ester | 128 | C7H12O2 | 002445-93-4 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

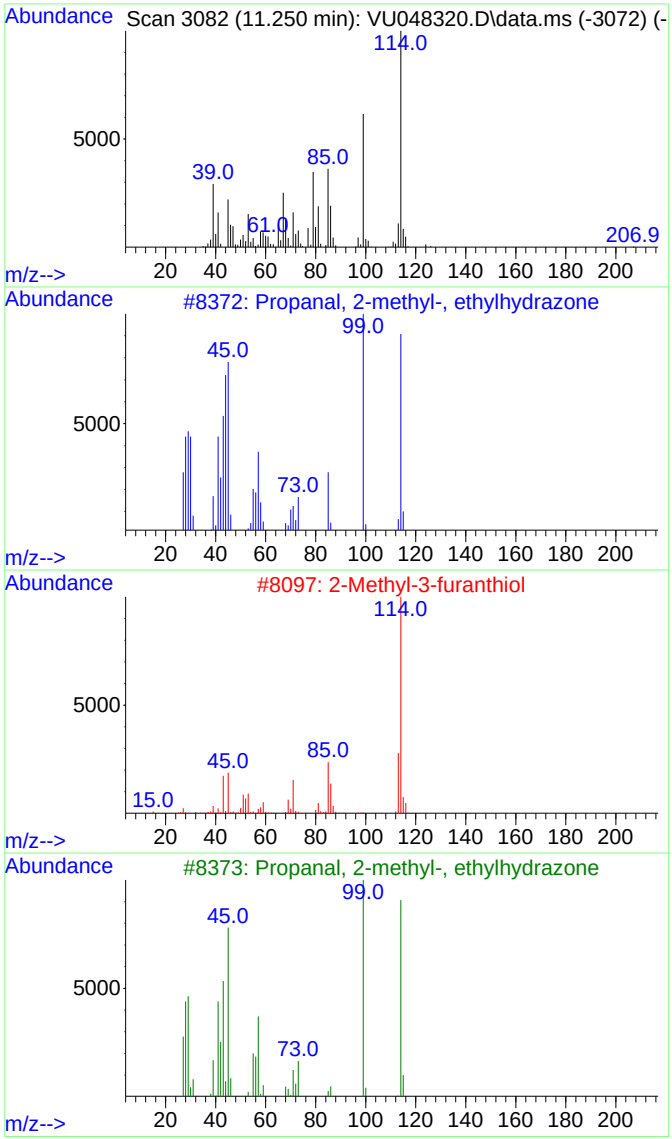
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

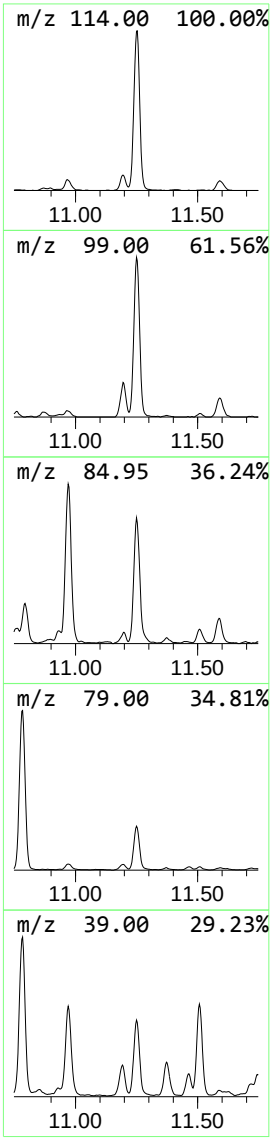
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 unknown-01 Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.249 | 18.95 ug/L | 586474 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanal, 2-methyl-, ethylhydrazone | 114 | C6H14N2 | 020607-77-6 | 47 |
| 2 | 2-Methyl-3-furanthiol | 114 | C5H6OS | 028588-74-1 | 43 |
| 3 | Propanal, 2-methyl-, ethylhydrazone | 114 | C6H14N2 | 020607-77-6 | 38 |
| 4 | Butanal, ethylhydrazone | 114 | C6H14N2 | 051576-30-8 | 38 |
| 5 | 2-Methoxythiophene | 114 | C5H6OS | 016839-97-7 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

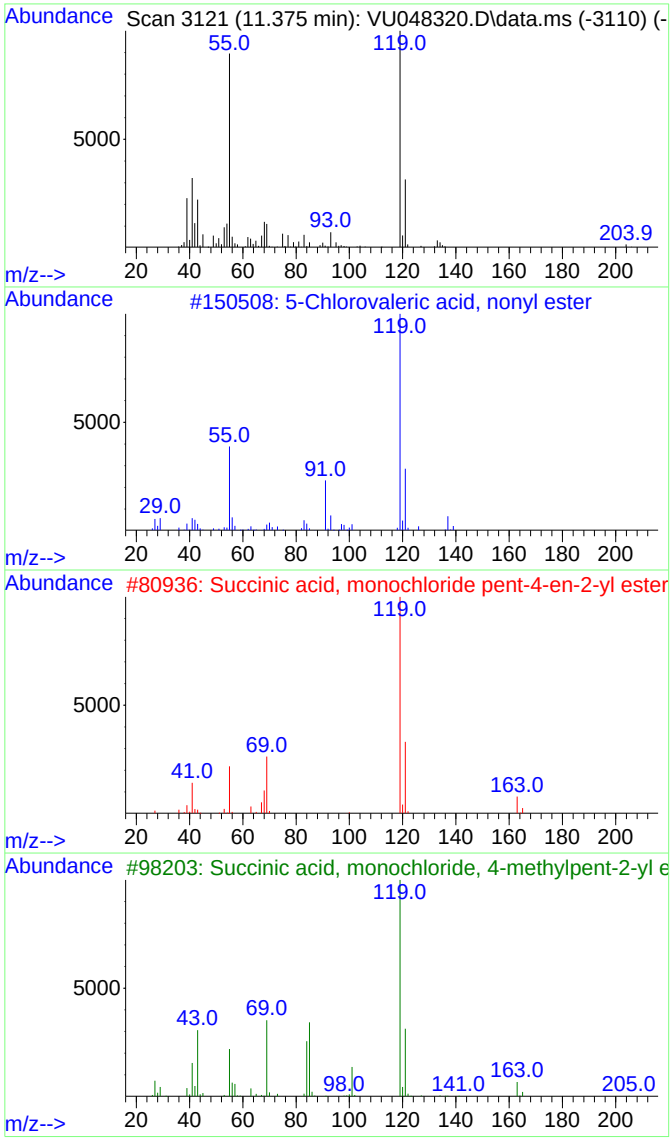
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

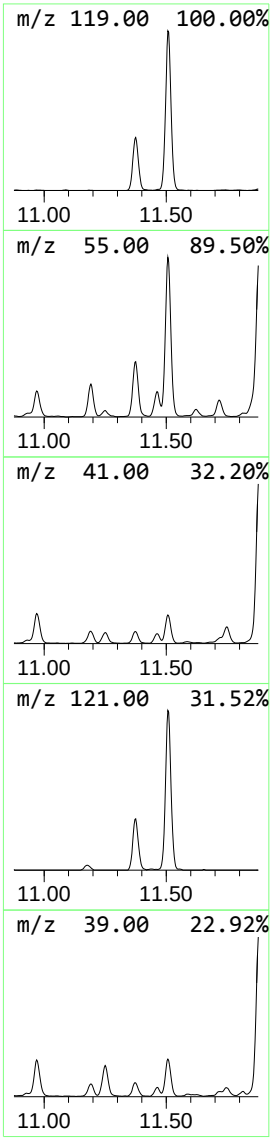
**********

Peak Number 25 unknown-02 Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.375 | 8.10 ug/L | 250799 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Chlorovaleric acid, nonyl ester | 262 | C14H27ClO2 | 052893-18-2 | 42 |
| 2 | Succinic acid, monochloride pent... | 204 | C9H13ClO3 | 1000353-45-9 | 40 |
| 3 | Succinic acid, monochloride, 4-m... | 220 | C10H17ClO3 | 1000349-24-0 | 38 |
| 4 | Succinic acid, monochloride, 2-h... | 220 | C10H17ClO3 | 1000349-57-0 | 33 |
| 5 | N-Phenylbarbituric acid | 204 | C10H8N2O3 | 015018-50-5 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

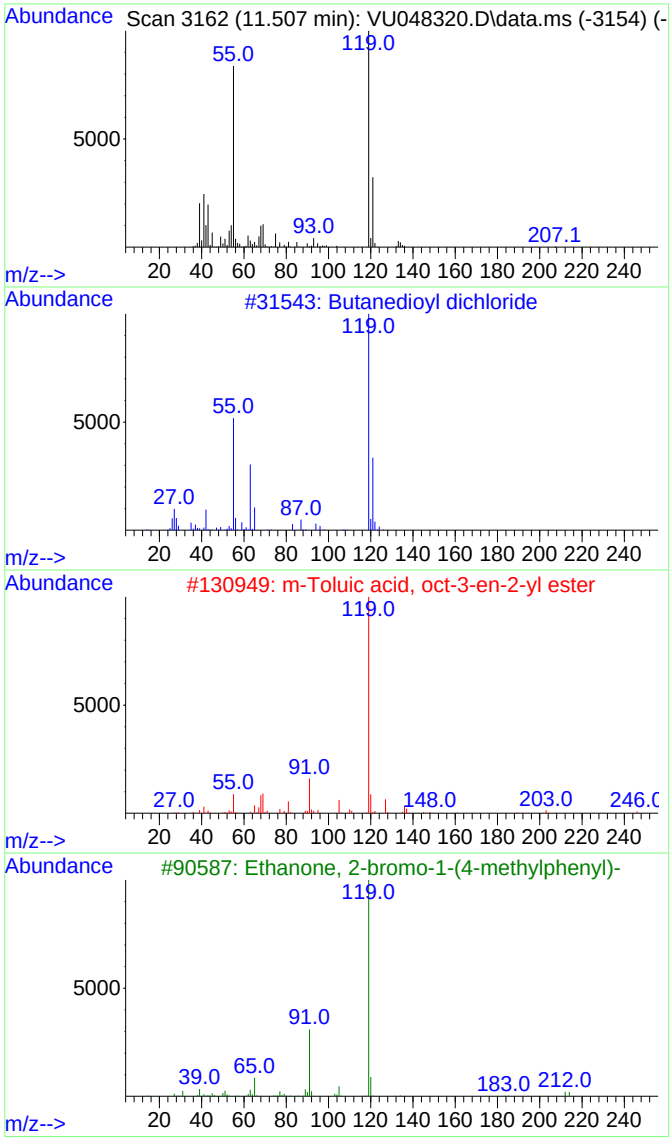
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

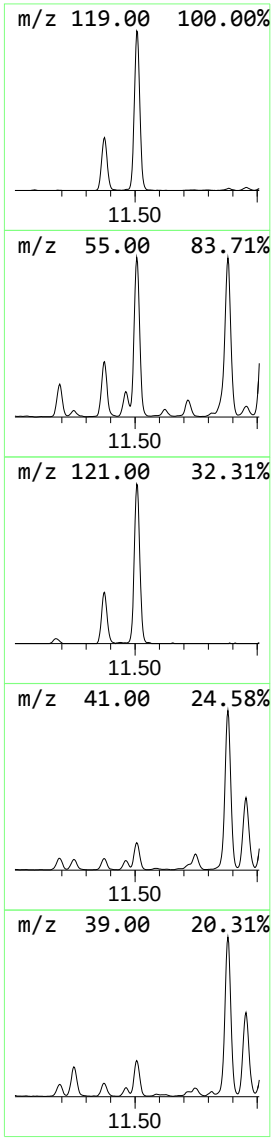
**********

Peak Number 27 unknown-03 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.507 | 21.85 ug/L | 676432 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanedioyl dichloride | 154 | C4H4Cl2O2 | 000543-20-4 | 33 |
| 2 | m-Toluic acid, oct-3-en-2-yl ester | 246 | C16H22O2 | 1000292-61-2 | 33 |
| 3 | Ethanone, 2-bromo-1-(4-methylphe... | 212 | C9H9BrO | 000619-41-0 | 23 |
| 4 | 2-Butene, 1-chloro- | 90 | C4H7Cl | 000591-97-9 | 11 |
| 5 | 2-Butene, 1-chloro- | 90 | C4H7Cl | 000591-97-9 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

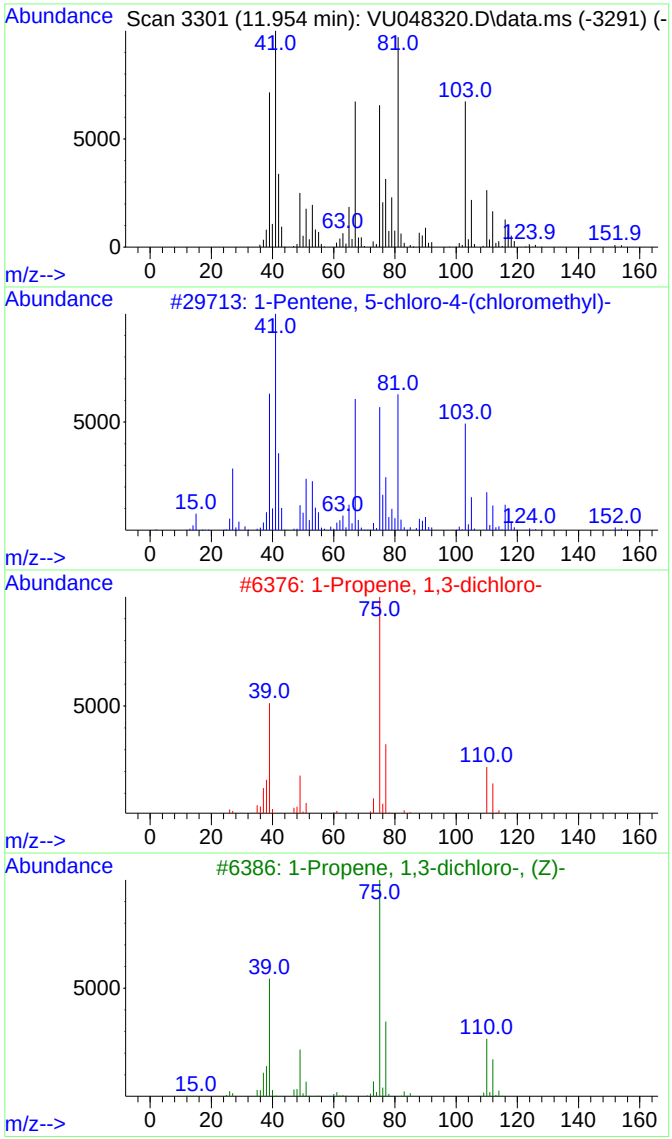
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

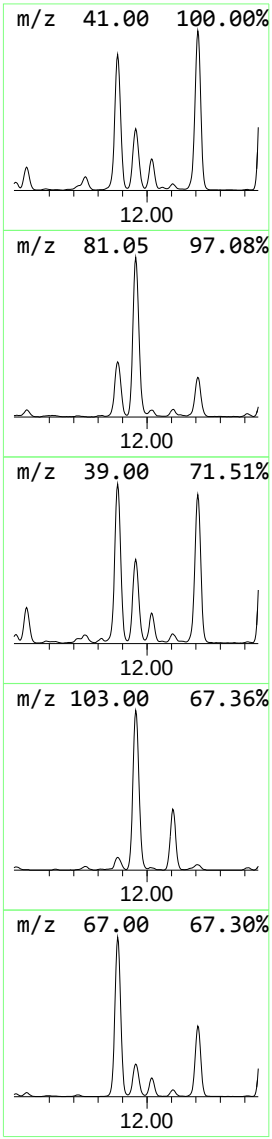
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 unknown-04 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.954 | 34.03 ug/L | 1053300 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 5-chloro-4-(chloromet... | 152 | C6H10Cl2 | 027990-74-5 | 30 |
| 2 | 1-Propene, 1,3-dichloro- | 110 | C3H4Cl2 | 000542-75-6 | 27 |
| 3 | 1-Propene, 1,3-dichloro-, (Z)- | 110 | C3H4Cl2 | 010061-01-5 | 27 |
| 4 | Cyclohexane, ethenyl- | 110 | C8H14 | 000695-12-5 | 25 |
| 5 | Cyclopropane, 1-chloro-2-(1-prop... | 116 | C6H9Cl | 074752-94-6 | 25 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

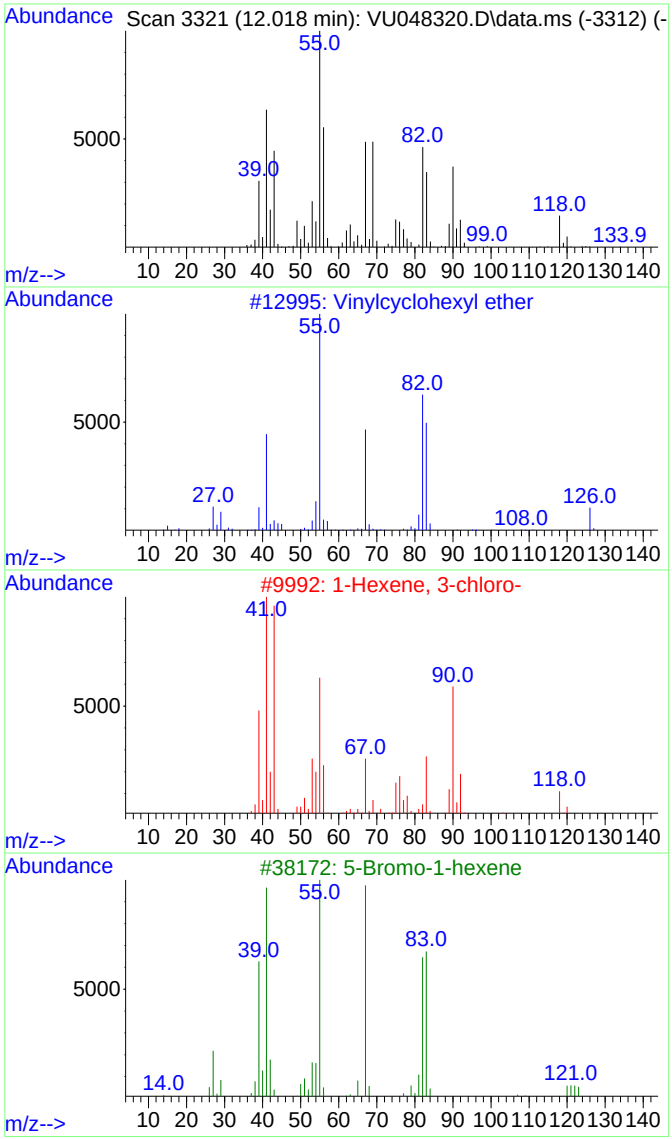
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

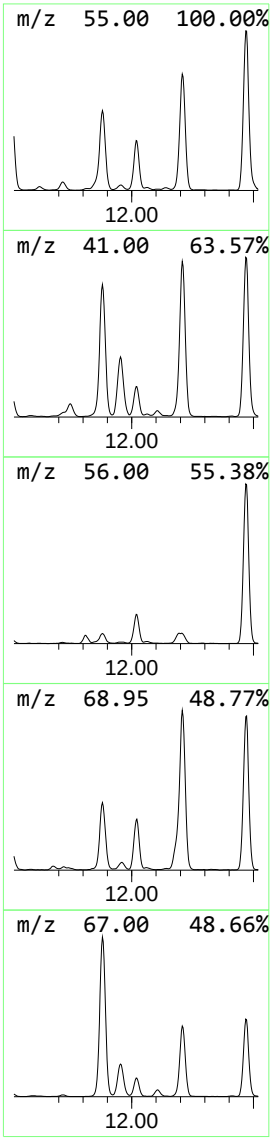
**********

Peak Number 31 unknown-05 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.018 | 19.27 ug/L | 596565 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Vinylcyclohexyl ether | 126 | C8H14O | 002182-55-0 | 38 |
| 2 | 1-Hexene, 3-chloro- | 118 | C6H11Cl | 053101-38-5 | 30 |
| 3 | 5-Bromo-1-hexene | 162 | C6H11Br | 004558-27-4 | 25 |
| 4 | 1-Propene, 3-chloro-2-methyl- | 90 | C4H7Cl | 000563-47-3 | 15 |
| 5 | 2-Butene, 2-chloro- | 90 | C4H7Cl | 004461-41-0 | 15 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

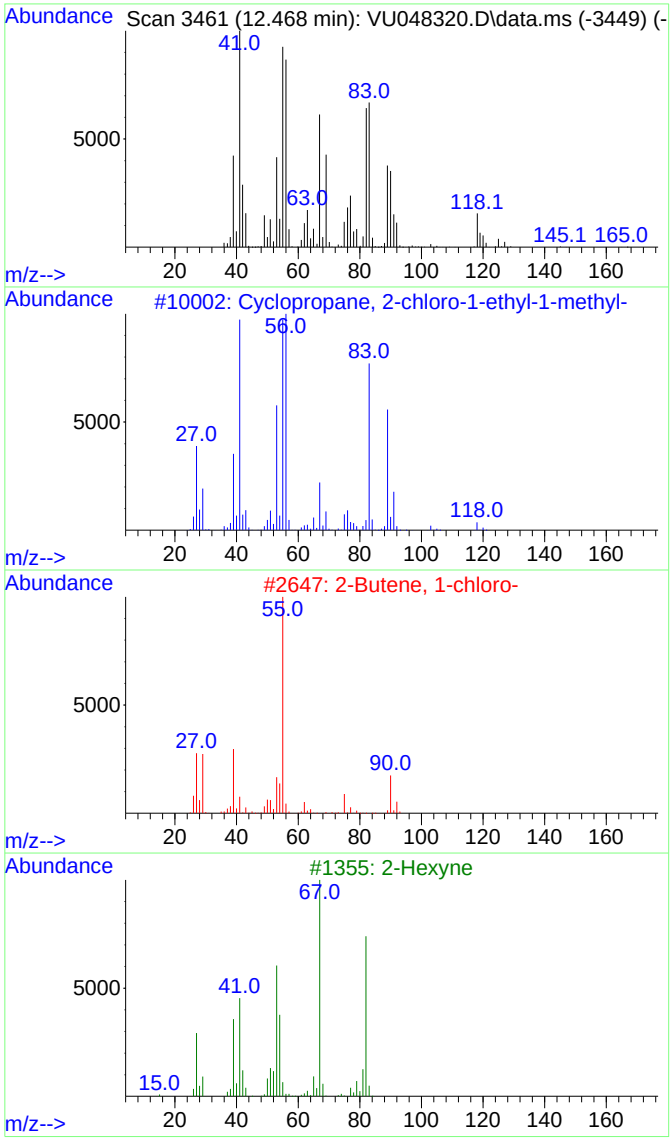
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

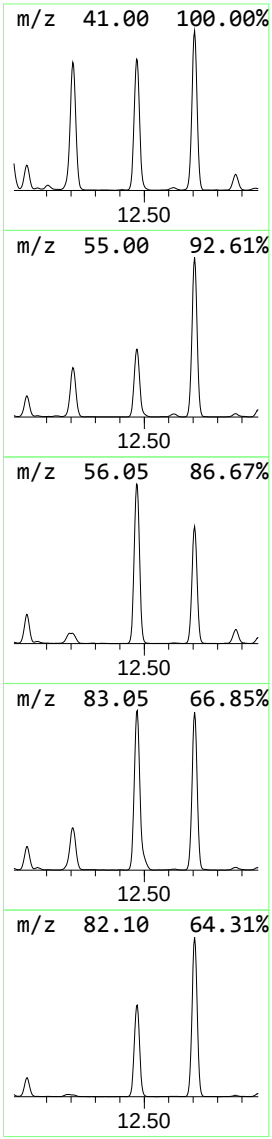
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 33 Cyclopropane, 2-chloro-1-et... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.468 | 90.08 ug/L | 2788200 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane, 2-chloro-1-ethyl-1... | 118 | C6H11Cl | 343926-09-0 | 53 |
| 2 | 2-Butene, 1-chloro- | 90 | C4H7Cl | 000591-97-9 | 38 |
| 3 | 2-Hexyne | 82 | C6H10 | 000764-35-2 | 38 |
| 4 | 1-Butyne, 3-methyl- | 68 | C5H8 | 000598-23-2 | 35 |
| 5 | Furan, 3-methyl- | 82 | C5H6O | 000930-27-8 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

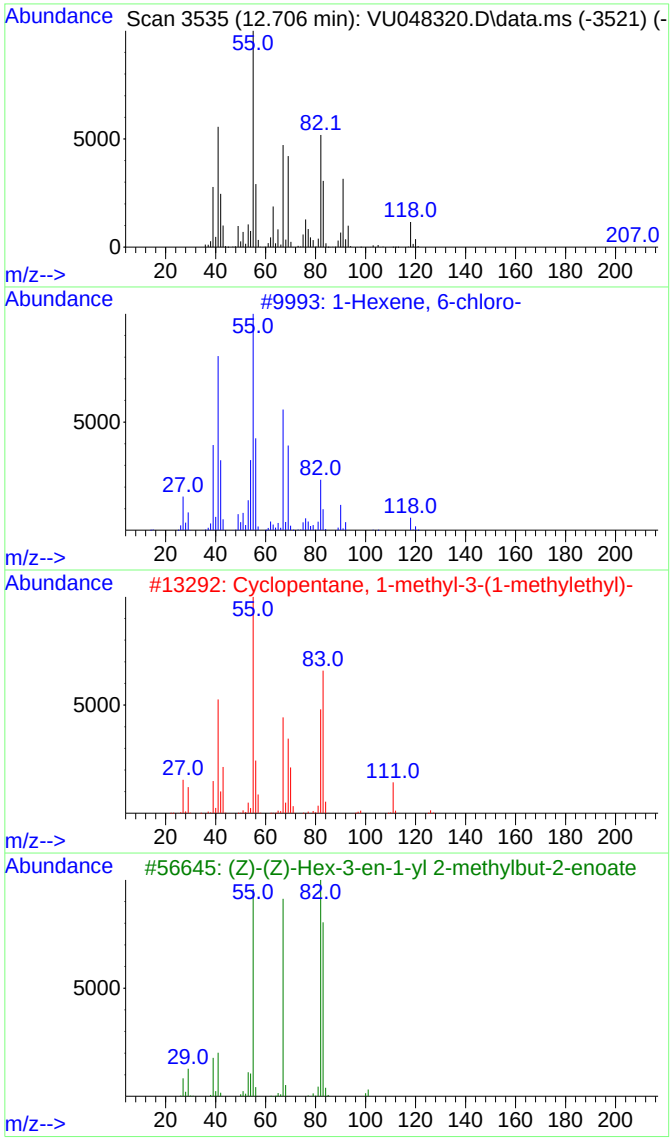
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

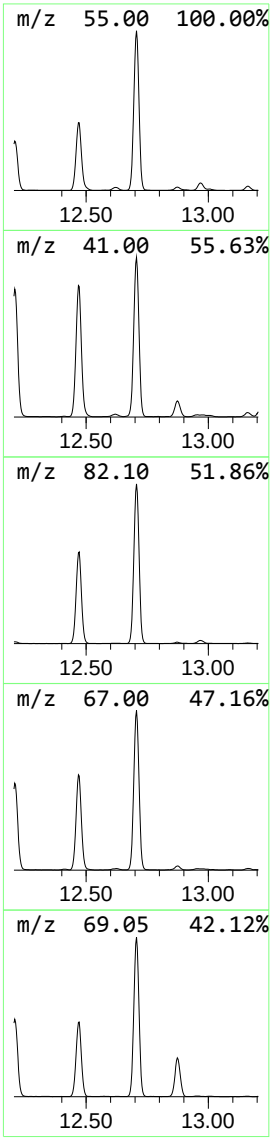
**********

Peak Number 35 unknown-06 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.706 | 116.69 ug/L | 3611910 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexene, 6-chloro- | 118 | C6H11Cl | 000928-89-2 | 37 |
| 2 | Cyclopentane, 1-methyl-3-(1-meth... | 126 | C9H18 | 053771-88-3 | 33 |
| 3 | (Z)-(Z)-Hex-3-en-1-yl 2-methylbu... | 182 | C11H18O2 | 084060-80-0 | 25 |
| 4 | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 25 |
| 5 | 1-Azabicyclo[3.1.0]hexane | 83 | C5H9N | 000285-76-7 | 23 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

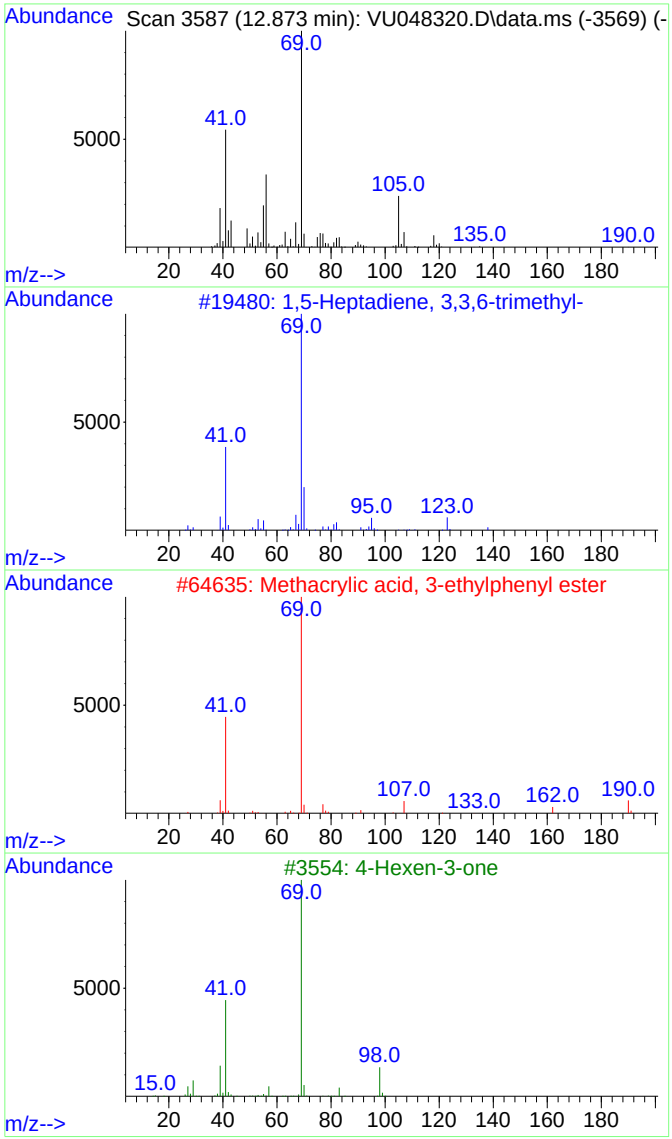
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

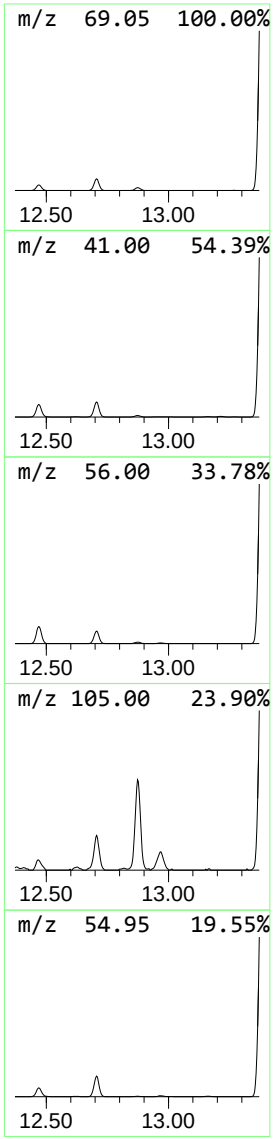
**********

Peak Number 36 unknown-07 Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.873 | 8.77 ug/L | 271373 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,5-Heptadiene, 3,3,6-trimethyl- | 138 | C10H18 | 035387-63-4 | 37 |
| 2 | Methacrylic acid, 3-ethylphenyl ... | 190 | C12H14O2 | 1000360-69-1 | 37 |
| 3 | 4-Hexen-3-one | 98 | C6H10O | 002497-21-4 | 32 |
| 4 | Vinyl crotonate | 112 | C6H8O2 | 014861-06-4 | 32 |
| 5 | 3-Methyl-3-chloro-1-butene | 104 | C5H9Cl | 002190-48-9 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

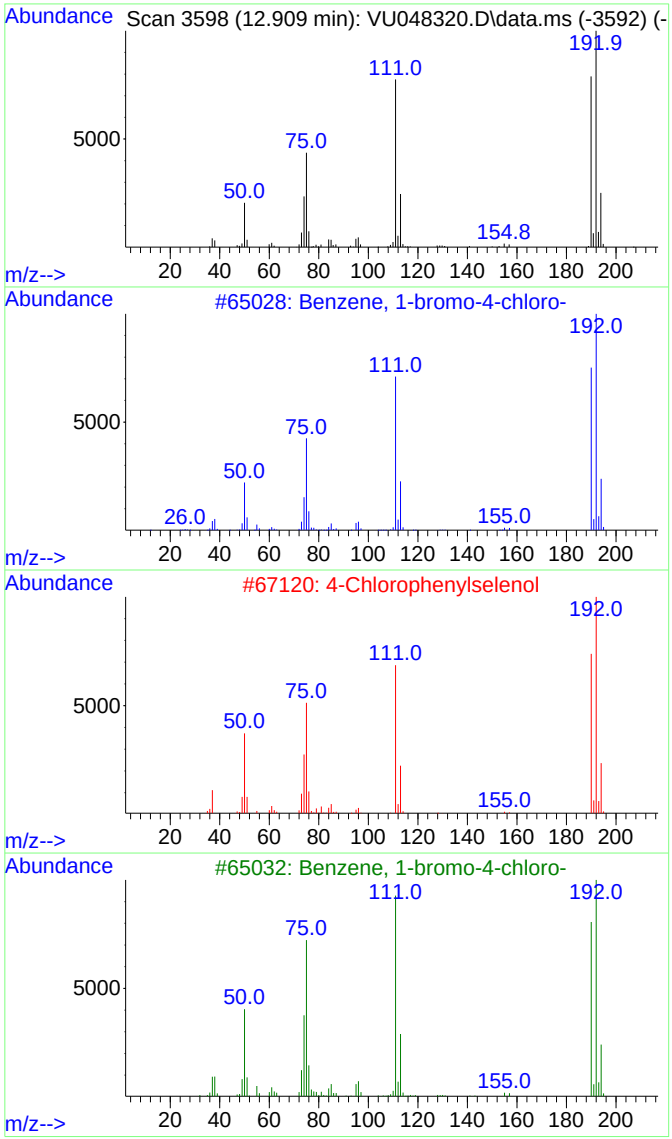
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

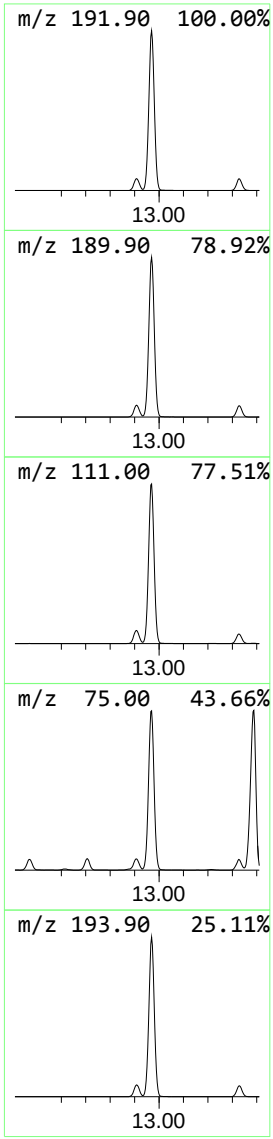
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 37 Benzene, 1-bromo-4-chloro- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.909 | 12.07 ug/L | 373709 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 95 |
| 2 | 4-Chlorophenylselenol | 192 | C6H5ClSe | 016645-10-6 | 94 |
| 3 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 94 |
| 4 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 94 |
| 5 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

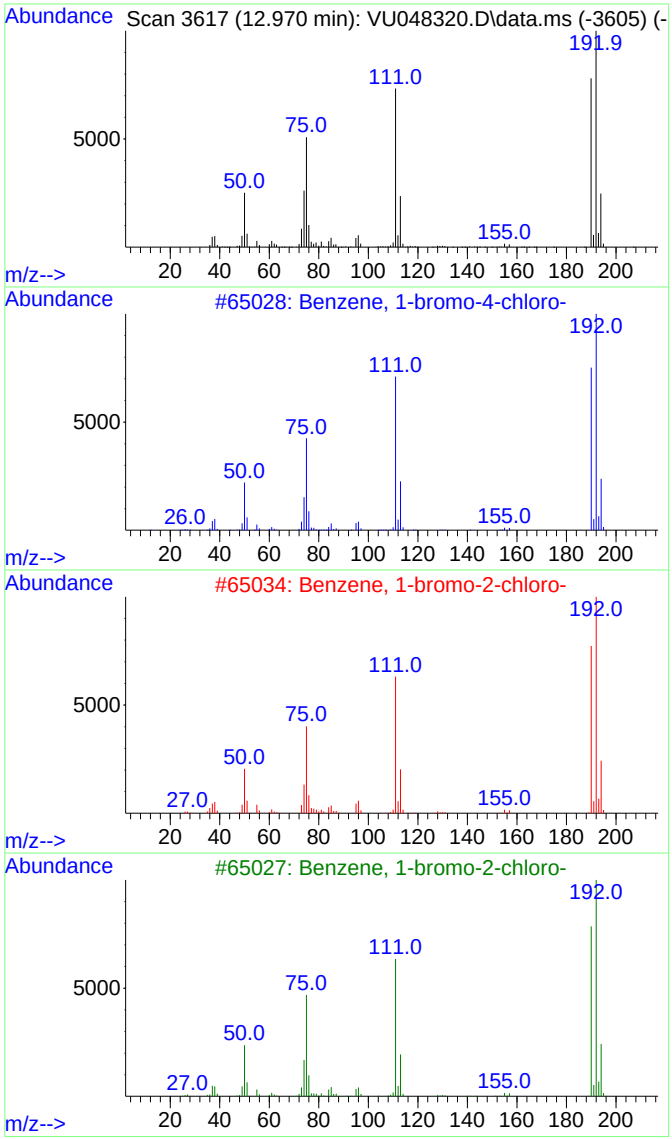
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

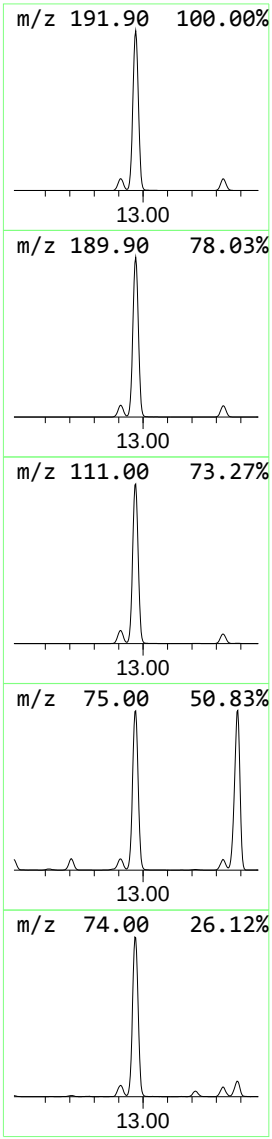
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 38 Benzene, 1-bromo-2-chloro- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.970 | 167.54 ug/L | 5185970 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 98 |
| 2 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98 |
| 3 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98 |
| 4 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98 |
| 5 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

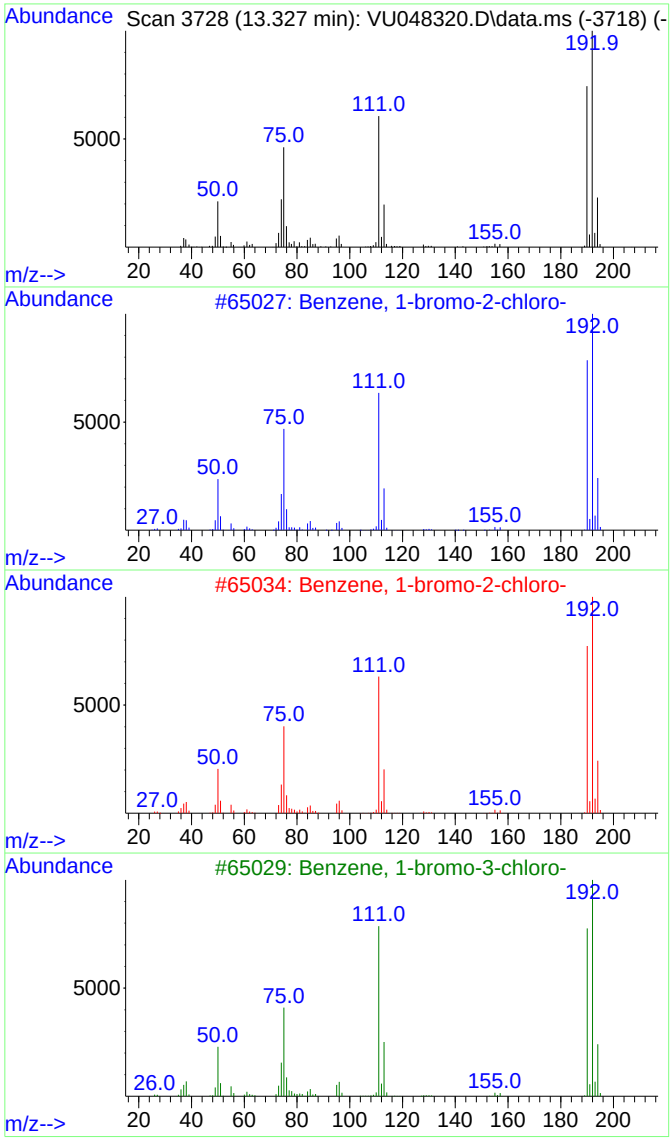
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

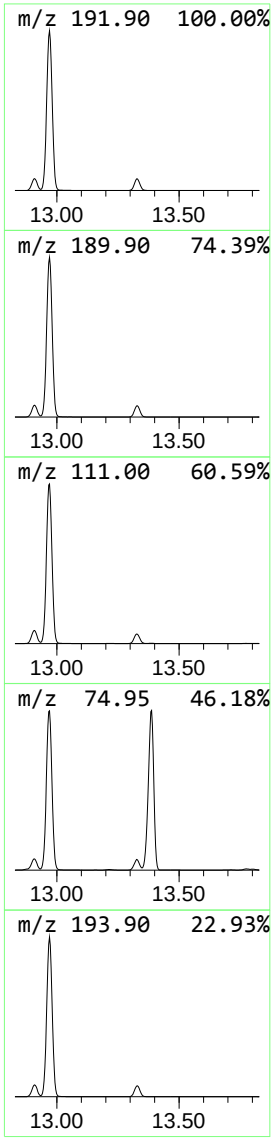
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 41 Benzene, 1-bromo-3-chloro- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.327 | 10.52 ug/L | 325739 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 99 |
| 2 | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 98 |
| 3 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98 |
| 4 | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 98 |
| 5 | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 98 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

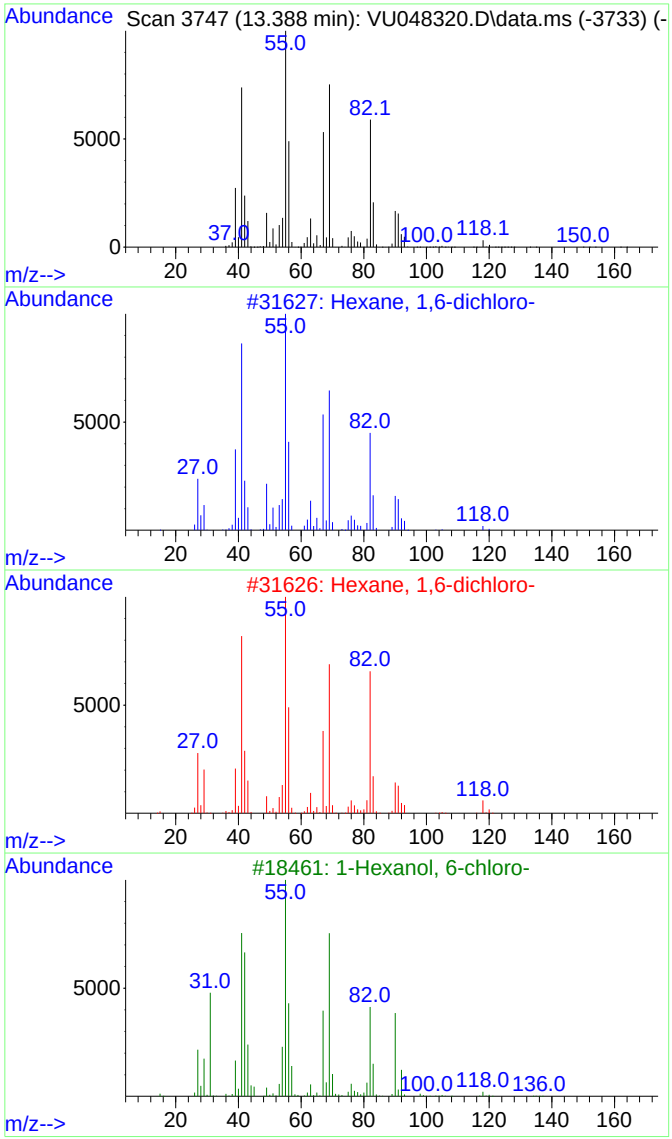
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

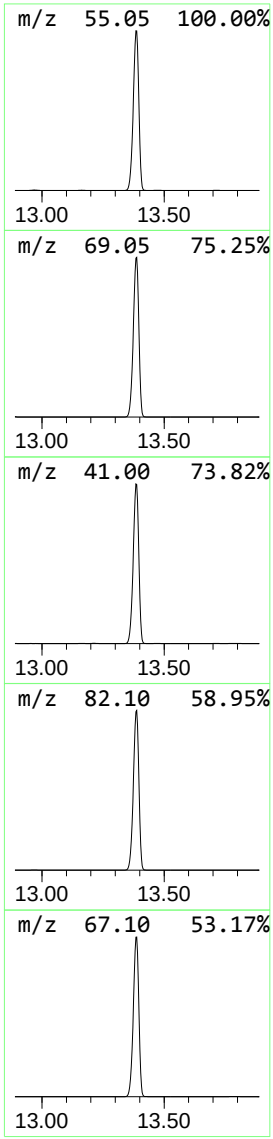
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 42 Hexane, 1,6-dichloro- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.388 | 2322.95 ug/L | 71902000 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 90 |
| 2 | Hexane, 1,6-dichloro- | 154 | C6H12Cl2 | 002163-00-0 | 86 |
| 3 | 1-Hexanol, 6-chloro- | 136 | C6H13ClO | 002009-83-8 | 56 |
| 4 | cis-3-Hexenyl crotonate | 168 | C10H16O2 | 1000429-17-4 | 38 |
| 5 | 2-Butenoic acid, 3-hexenyl ester... | 168 | C10H16O2 | 065405-80-3 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

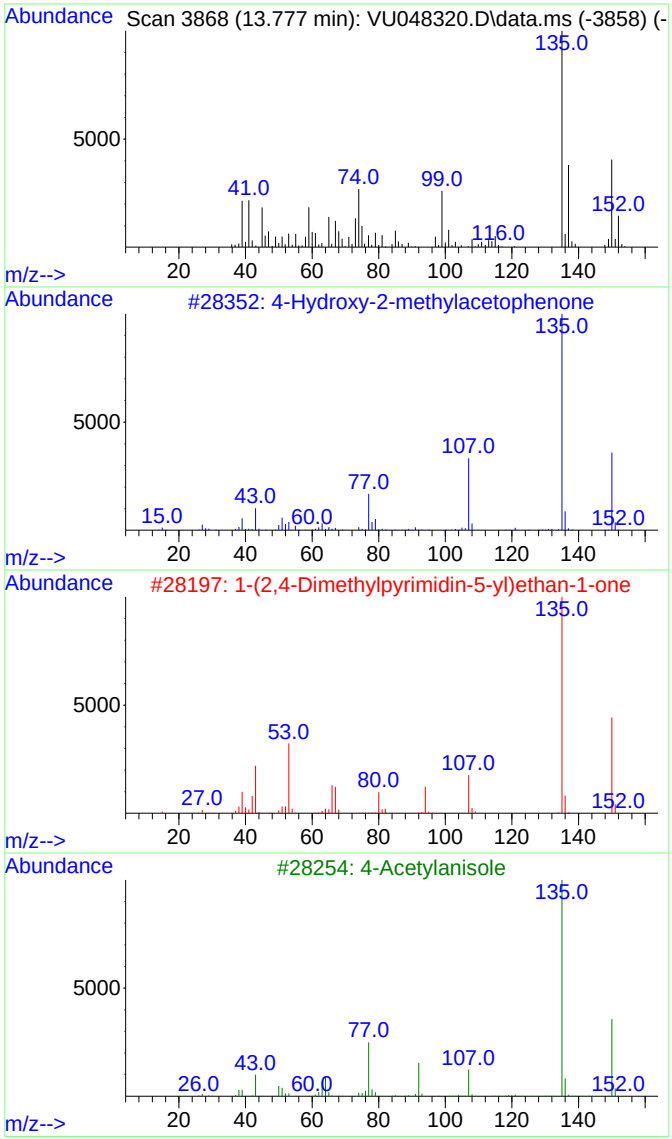
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

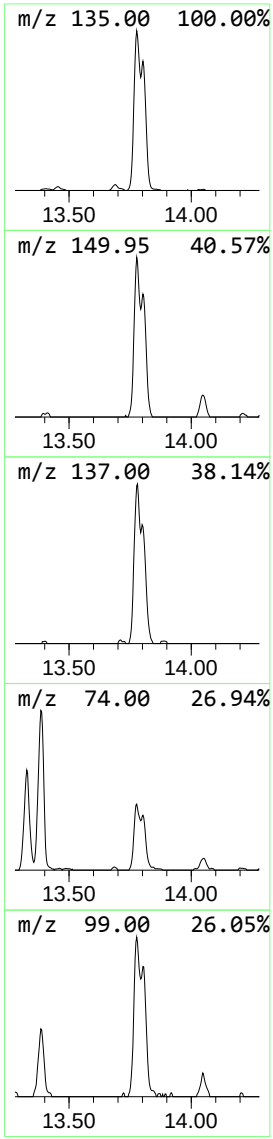
**********

Peak Number 43 unknown-08 Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.777 | 7.42 ug/L | 229636 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Hydroxy-2-methylacetophenone | 150 | C9H10O2 | 000875-59-2 | 43 |
| 2 | 1-(2,4-Dimethylpyrimidin-5-yl)et... | 150 | C8H10N2O | 055933-85-2 | 43 |
| 3 | 4-Acetylanisole | 150 | C9H10O2 | 000100-06-1 | 38 |
| 4 | 3-Methyl-4-isopropylphenol | 150 | C10H14O | 003228-02-2 | 38 |
| 5 | Thymol | 150 | C10H14O | 000089-83-8 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

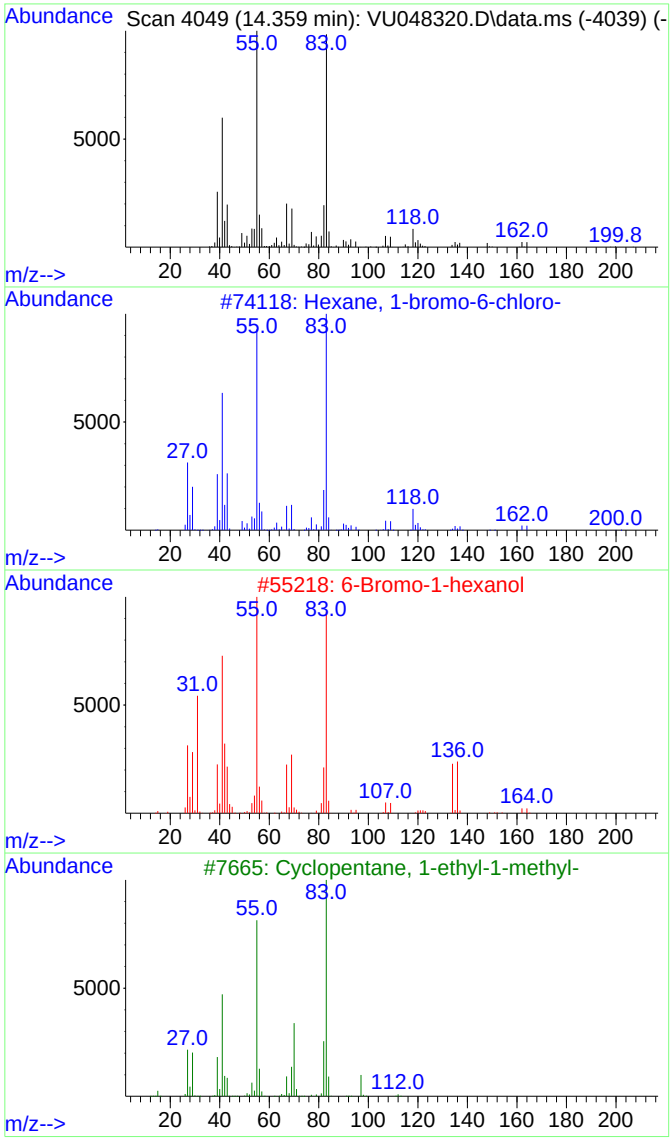
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

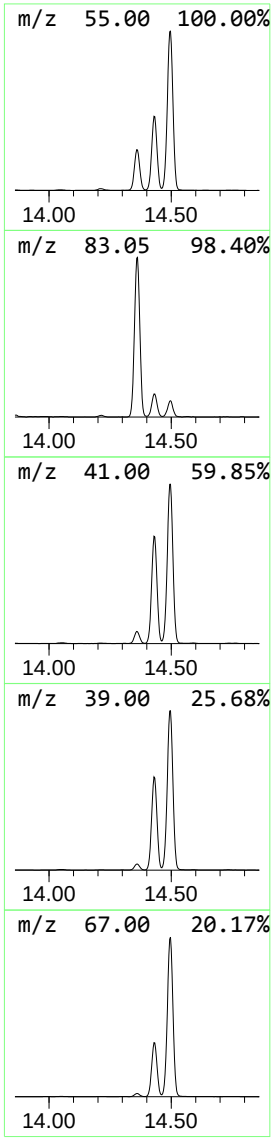
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 45 Hexane, 1-bromo-6-chloro- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.359 | 19.23 ug/L | 595226 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 1-bromo-6-chloro- | 198 | C6H12BrCl | 006294-17-3 | 97 |
| 2 | 6-Bromo-1-hexanol | 180 | C6H13BrO | 004286-55-9 | 64 |
| 3 | Cyclopentane, 1-ethyl-1-methyl- | 112 | C8H16 | 016747-50-5 | 64 |
| 4 | Oxalic acid, cyclohexyl isohexyl... | 256 | C14H24O4 | 1010309-30-7 | 64 |
| 5 | Oxalic acid, cyclohexyl nonyl ester | 298 | C17H30O4 | 1000309-31-1 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

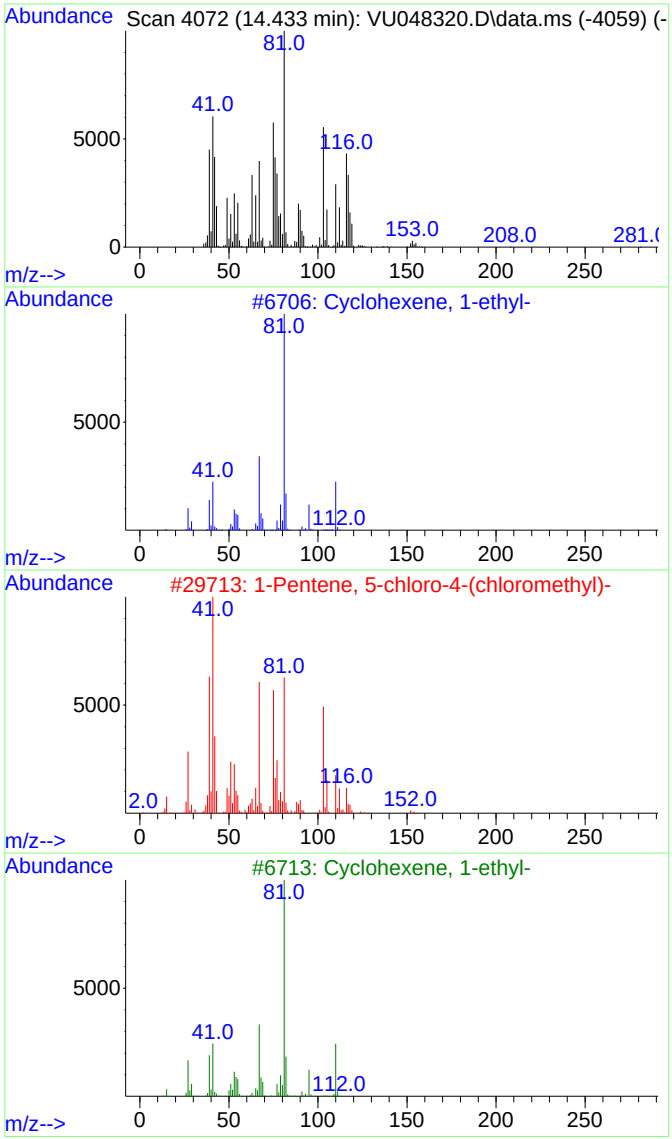
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

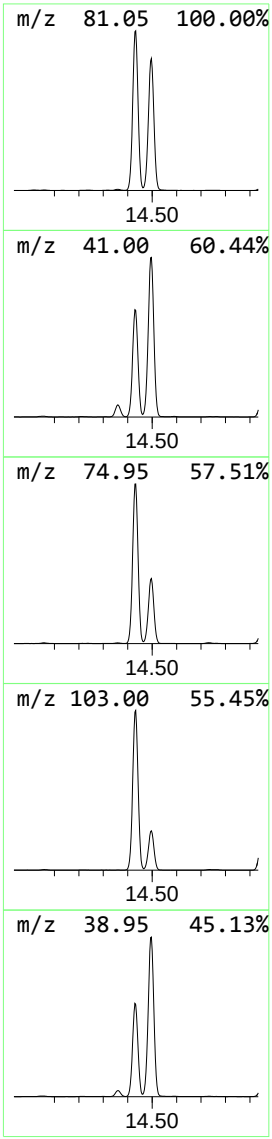
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 46 unknown-09 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.433 | 316.44 ug/L | 9794820 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene, 1-ethyl- | 110 | C8H14 | 001453-24-3 | 18 |
| 2 | 1-Pentene, 5-chloro-4-(chloromet... | 152 | C6H10Cl2 | 027990-74-5 | 14 |
| 3 | Cyclohexene, 1-ethyl- | 110 | C8H14 | 001453-24-3 | 14 |
| 4 | 1-Propene, 1,3-dichloro-, (Z)- | 110 | C3H4Cl2 | 010061-01-5 | 11 |
| 5 | 1-Propene, 2,3-dichloro- | 110 | C3H4Cl2 | 000078-88-6 | 11 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

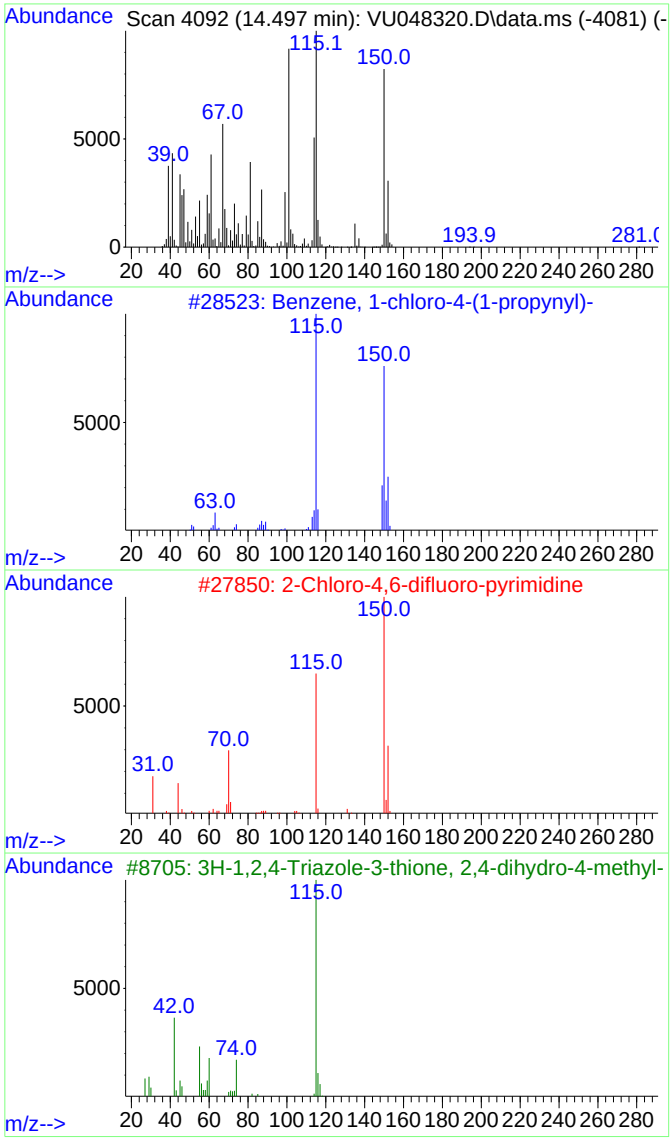
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

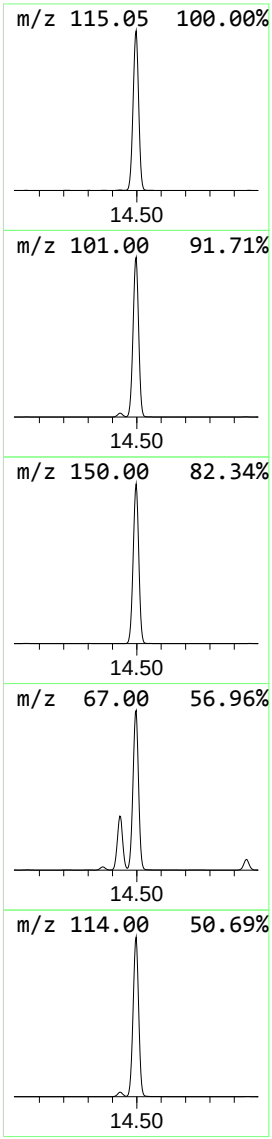
**********

Peak Number 47 unknown-10 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.497 | 740.45 ug/L | 22918900 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-chloro-4-(1-propynyl)- | 150 | C9H7Cl | 002809-65-6 | 38 |
| 2 | 2-Chloro-4,6-difluoro-pyrimidine | 150 | C4HClF2N2 | 038953-30-9 | 27 |
| 3 | 3H-1,2,4-Triazole-3-thione, 2,4-... | 115 | C3H5N3S | 024854-43-1 | 11 |
| 4 | Benzene, 1,2,3,4-tetrafluoro- | 150 | C6H2F4 | 000551-62-2 | 11 |
| 5 | 4,7-Diaminobenzofurazan | 150 | C6H6N4O | 215860-46-1 | 11 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

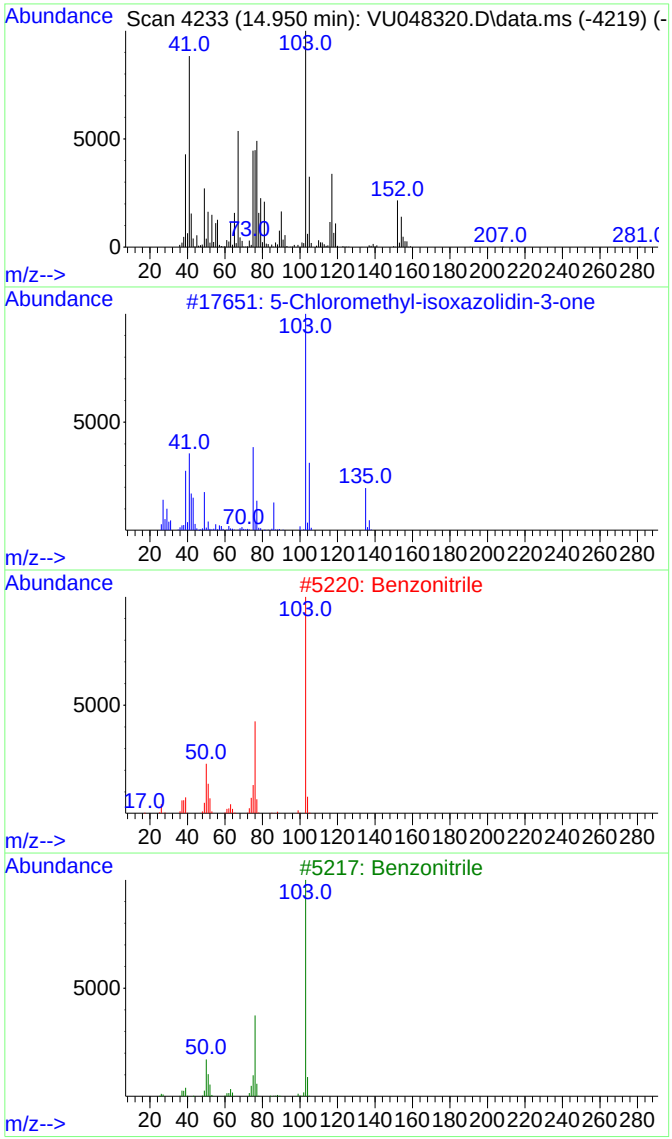
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

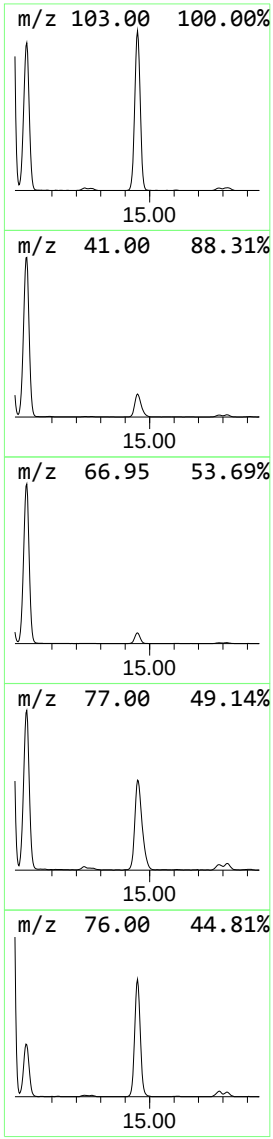
**********

Peak Number 48 unknown-11 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.950 | 51.44 ug/L | 1592250 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Chloromethyl-isoxazolidin-3-one | 135 | C4H6ClNO2 | 1000193-70-0 | 22 |
| 2 | Benzonitrile | 103 | C7H5N | 000100-47-0 | 22 |
| 3 | Benzonitrile | 103 | C7H5N | 000100-47-0 | 22 |
| 4 | 1-Propanesulfonyl chloride, 3-ch... | 176 | C3H6Cl2O2S | 001633-82-5 | 16 |
| 5 | 1-Pentene, 5-chloro-4-(chloromet... | 152 | C6H10Cl2 | 027990-74-5 | 10 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

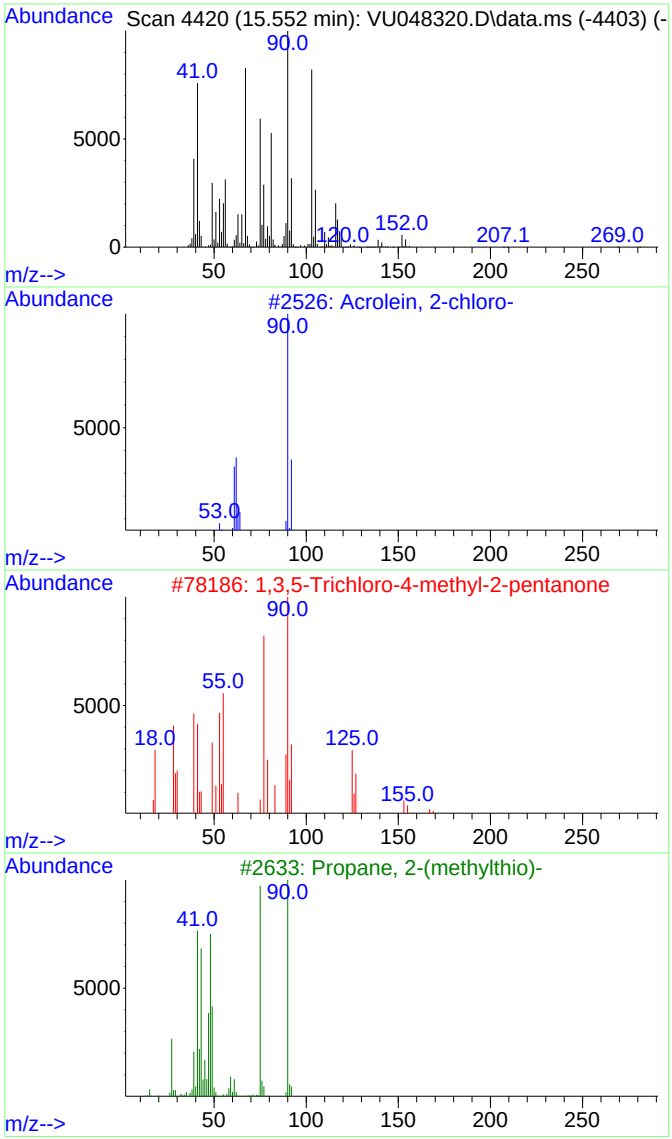
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

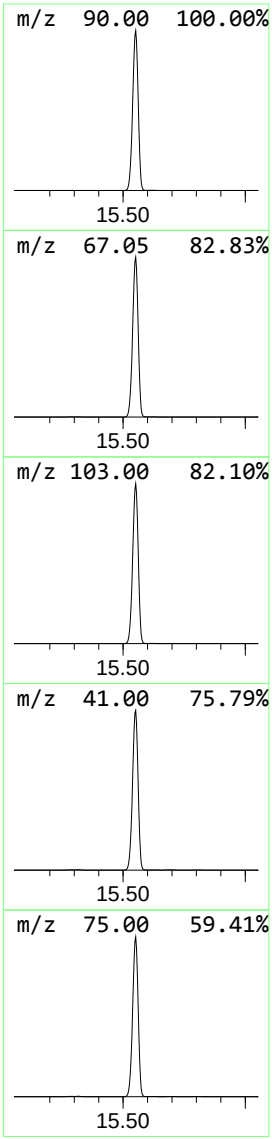
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 51 unknown-12 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.552 | 1813.60 ug/L | 56136100 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acrolein, 2-chloro- | 90 | C3H3ClO | 000683-51-2 | 37 |
| 2 | 1,3,5-Trichloro-4-methyl-2-penta... | 202 | C6H9Cl3O | 1000140-03-8 | 25 |
| 3 | Propane, 2-(methylthio)- | 90 | C4H10S | 001551-21-9 | 25 |
| 4 | Borane, chloro(dimethylamino)ethyl- | 119 | C4H11BClN | 001739-26-0 | 23 |
| 5 | 4-(2-Aminoethyl)benzenesulfonamide | 200 | C8H12N2O2S | 035303-76-5 | 17 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

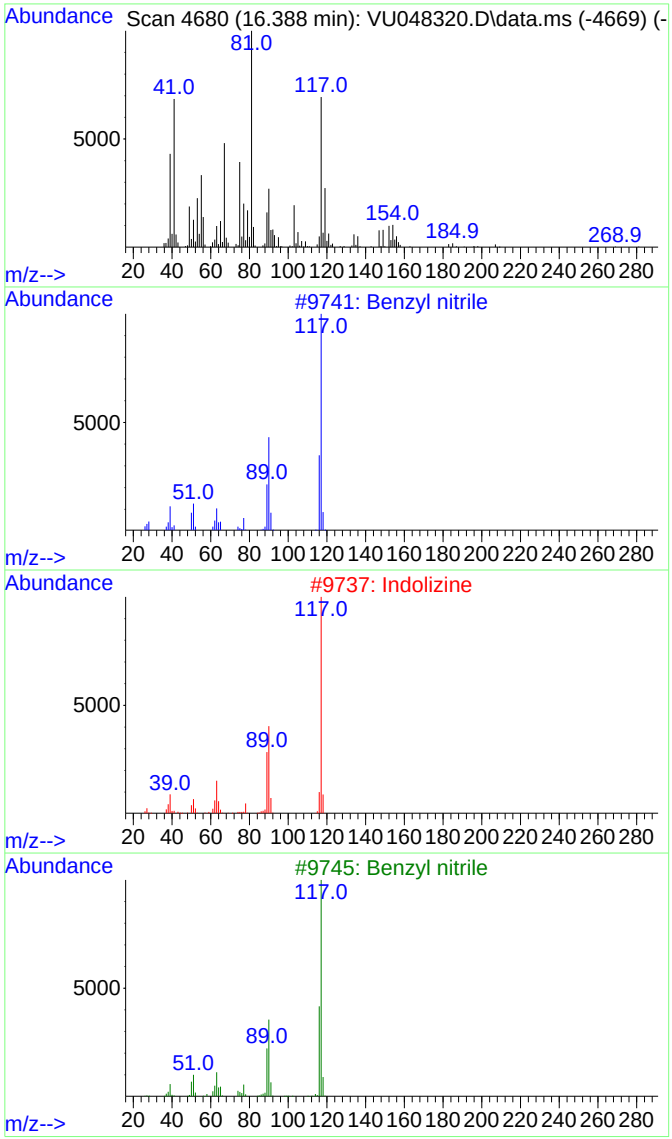
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

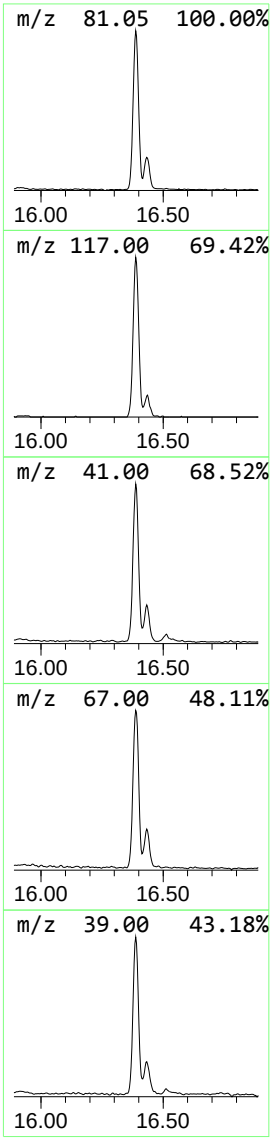
**********

Peak Number 53 unknown-13 Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.388 | 12.52 ug/L | 387526 | 1,4-Dichlorobenzene-d4 | 11.812 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |
| 2 | Indolizine | 117 | C8H7N | 000274-40-8 | 25 |
| 3 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |
| 4 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |
| 5 | Benzyl nitrile | 117 | C8H7N | 000140-29-4 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042722\
Data File : VU048320.D
Acq On : 27 Apr 2022 17:22
Operator : SY/MD
Sample : N2587-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXET4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
Quant Title : VOC Analysis

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: C... | 1.356 | 1987.0 | ug/L | 32745800 | 1 | 6.250 | 824007 | 50.0 |
| (DEL) Alkane: C... | 1.472 | 100.4 | ug/L | 1655270 | 1 | 6.250 | 824007 | 50.0 |
| Allyl chloride | 2.510 | 20.8 | ug/L | 343101 | 1 | 6.250 | 824007 | 50.0 |
| (DEL) Alkane: C... | 3.134 | 3.9 | ug/L | 64648 | 1 | 6.250 | 824007 | 50.0 |
| 1,5-Hexadiene | 3.446 | 10.8 | ug/L | 178036 | 1 | 6.250 | 824007 | 50.0 |
| (DEL) Alkane: S... | 3.697 | 5.9 | ug/L | 97090 | 1 | 6.250 | 824007 | 50.0 |
| Cyclopentene, 4... | 4.250 | 6.4 | ug/L | 104740 | 1 | 6.250 | 824007 | 50.0 |
| (DEL) Alkane: C... | 4.530 | 7.0 | ug/L | 115504 | 1 | 6.250 | 824007 | 50.0 |
| Furan, tetrahyd... | 6.513 | 188.7 | ug/L | 3109760 | 1 | 6.250 | 824007 | 50.0 |
| Thietane | 6.996 | 307.4 | ug/L | 5065670 | 1 | 6.250 | 824007 | 50.0 |
| Furan, tetrahyd... | 7.214 | 8.0 | ug/L | 131907 | 1 | 6.250 | 824007 | 50.0 |
| Furan, tetrahyd... | 7.298 | 10.5 | ug/L | 172305 | 1 | 6.250 | 824007 | 50.0 |
| 2H-Pyran, tetra... | 7.494 | 1816.5 | ug/L | 29936400 | 1 | 6.250 | 824007 | 50.0 |
| 2H-Thiopyran, t... | 10.652 | 41.5 | ug/L | 1285230 | 3 | 11.812 | 1547640 | 50.0 |
| Thiophene, 2-et... | 10.970 | 38.1 | ug/L | 1179990 | 3 | 11.812 | 1547640 | 50.0 |
| 2-Butenoic acid... | 11.192 | 9.7 | ug/L | 300518 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-01 | 11.249 | 18.9 | ug/L | 586474 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-02 | 11.375 | 8.1 | ug/L | 250799 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-03 | 11.507 | 21.9 | ug/L | 676432 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-04 | 11.954 | 34.0 | ug/L | 1053300 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-05 | 12.018 | 19.3 | ug/L | 596565 | 3 | 11.812 | 1547640 | 50.0 |
| Cyclopropane, 2... | 12.468 | 90.1 | ug/L | 2788200 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-06 | 12.706 | 116.7 | ug/L | 3611910 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-07 | 12.873 | 8.8 | ug/L | 271373 | 3 | 11.812 | 1547640 | 50.0 |
| Benzene, 1-brom... | 12.909 | 12.1 | ug/L | 373709 | 3 | 11.812 | 1547640 | 50.0 |
| Benzene, 1-brom... | 12.970 | 167.5 | ug/L | 5185970 | 3 | 11.812 | 1547640 | 50.0 |
| Benzene, 1-brom... | 13.327 | 10.5 | ug/L | 325739 | 3 | 11.812 | 1547640 | 50.0 |
| Hexane, 1,6-dic... | 13.388 | 2322.9 | ug/L | 71902000 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-08 | 13.777 | 7.4 | ug/L | 229636 | 3 | 11.812 | 1547640 | 50.0 |
| Hexane, 1-bromo... | 14.359 | 19.2 | ug/L | 595226 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-09 | 14.433 | 316.4 | ug/L | 9794820 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-10 | 14.497 | 740.5 | ug/L | 22918900 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-11 | 14.950 | 51.4 | ug/L | 1592250 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-12 | 15.552 | 1813.6 | ug/L | 56136100 | 3 | 11.812 | 1547640 | 50.0 |
| unknown-13 | 16.388 | 12.5 | ug/L | 387526 | 3 | 11.812 | 1547640 | 50.0 |