LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\Method\SFAMVTR071122WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VV026810.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.127 | 22 | 27 | 47 | rVB2 | 746131 | 949898 | 26.07% | 3.347% |
| 2 | 1.294 | 72 | 79 | 94 | rVB2 | 163291 | 263914 | 7.24% | 0.930% |
| 3 | 1.375 | 99 | 104 | 111 | rVB | 53484 | 53276 | 1.46% | 0.188% |
| 4 | 1.462 | 125 | 131 | 144 | rVB | 196985 | 201821 | 5.54% | 0.711% |
| 5 | 1.561 | 155 | 162 | 173 | rVB | 101766 | 122002 | 3.35% | 0.430% |
| 6 | 1.947 | 273 | 282 | 298 | rVB | 688485 | 905516 | 24.85% | 3.191% |
| 7 | 2.101 | 318 | 330 | 341 | rBV | 172832 | 257258 | 7.06% | 0.906% |
| 8 | 2.162 | 341 | 349 | 376 | rVB2 | 74244 | 133036 | 3.65% | 0.469% |
| 9 | 2.622 | 480 | 492 | 524 | rVB | 206128 | 459031 | 12.60% | 1.617% |
| 10 | 2.767 | 524 | 537 | 556 | rVB3 | 17554 | 41542 | 1.14% | 0.146% |
| 11 | 2.950 | 582 | 594 | 612 | rBV2 | 34360 | 70589 | 1.94% | 0.249% |
| 12 | 3.288 | 683 | 699 | 717 | rBV | 20961 | 50116 | 1.38% | 0.177% |
| 13 | 3.886 | 864 | 885 | 936 | rBV2 | 733306 | 2245736 | 61.63% | 7.913% |
| 14 | 4.323 | 1004 | 1021 | 1083 | rBV2 | 1051836 | 2812191 | 77.17% | 9.909% |
| 15 | 4.674 | 1114 | 1130 | 1145 | rVB3 | 22428 | 56373 | 1.55% | 0.199% |
| 16 | 5.043 | 1228 | 1245 | 1253 | rBV2 | 298516 | 714171 | 19.60% | 2.516% |
| 17 | 5.095 | 1253 | 1261 | 1283 | rVV | 475756 | 1070239 | 29.37% | 3.771% |
| 18 | 5.198 | 1283 | 1293 | 1314 | rVV3 | 28356 | 86504 | 2.37% | 0.305% |
| 19 | 5.313 | 1315 | 1329 | 1364 | rVB6 | 65080 | 217528 | 5.97% | 0.766% |
| 20 | 5.500 | 1375 | 1387 | 1408 | rBV2 | 27768 | 66754 | 1.83% | 0.235% |
| 21 | 5.616 | 1411 | 1423 | 1450 | rBV | 226239 | 470568 | 12.91% | 1.658% |
| 22 | 6.069 | 1550 | 1564 | 1578 | rBV | 178064 | 372861 | 10.23% | 1.314% |
| 23 | 6.989 | 1837 | 1850 | 1869 | rBV2 | 69211 | 136339 | 3.74% | 0.480% |
| 24 | 7.313 | 1941 | 1951 | 1968 | rBV | 281862 | 493292 | 13.54% | 1.738% |
| 25 | 7.391 | 1968 | 1975 | 1998 | rVB | 25876 | 61668 | 1.69% | 0.217% |
| 26 | 7.625 | 2039 | 2048 | 2070 | rBV | 41389 | 86459 | 2.37% | 0.305% |
| 27 | 7.931 | 2132 | 2143 | 2155 | rBV | 36972 | 68870 | 1.89% | 0.243% |
| 28 | 8.085 | 2177 | 2191 | 2214 | rBV2 | 506752 | 931101 | 25.55% | 3.281% |
| 29 | 8.214 | 2222 | 2231 | 2252 | rBV | 105550 | 209758 | 5.76% | 0.739% |
| 30 | 8.725 | 2378 | 2390 | 2403 | rBV2 | 41061 | 76359 | 2.10% | 0.269% |
| 31 | 8.854 | 2419 | 2430 | 2435 | rBV | 353199 | 585436 | 16.07% | 2.063% |
| 32 | 9.140 | 2507 | 2519 | 2534 | rVB | 152277 | 269232 | 7.39% | 0.949% |
| 33 | 9.220 | 2535 | 2544 | 2552 | rBV2 | 30185 | 45648 | 1.25% | 0.161% |
| 34 | 9.426 | 2596 | 2608 | 2617 | rBV4 | 19839 | 40071 | 1.10% | 0.141% |
| 35 | 9.545 | 2636 | 2645 | 2661 | rVB | 88022 | 145497 | 3.99% | 0.513% |
| 36 | 9.931 | 2751 | 2765 | 2778 | rBV | 279585 | 451544 | 12.39% | 1.591% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** H0B08

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\Method\SFAMVTR071122WMA.M
Title : TRACE VOA SFAM1.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.181 | 2836 | 2843 | 2847 | rVV2 | 72459 | 111287 | 3.05% | 0.392% |
| 38 | 10.214 | 2847 | 2853 | 2864 | rVB2 | 171649 | 259413 | 7.12% | 0.914% |
| 39 | 10.352 | 2884 | 2896 | 2906 | rBV | 239973 | 394033 | 10.81% | 1.388% |
| 40 | 10.452 | 2922 | 2927 | 2937 | rVB7 | 24433 | 41183 | 1.13% | 0.145% |
| 41 | 10.561 | 2949 | 2961 | 2973 | rVB4 | 171580 | 331920 | 9.11% | 1.170% |
| 42 | 10.738 | 3007 | 3016 | 3025 | rVV | 101417 | 152048 | 4.17% | 0.536% |
| 43 | 10.915 | 3064 | 3071 | 3078 | rVB | 48642 | 68591 | 1.88% | 0.242% |
| 44 | 11.085 | 3109 | 3124 | 3139 | rVB4 | 318056 | 559387 | 15.35% | 1.971% |
| 45 | 11.191 | 3150 | 3157 | 3164 | rVB | 39239 | 52805 | 1.45% | 0.186% |
| 46 | 11.249 | 3164 | 3175 | 3179 | rBV | 465599 | 737702 | 20.24% | 2.599% |
| 47 | 11.333 | 3193 | 3201 | 3211 | rBV | 174905 | 251084 | 6.89% | 0.885% |
| 48 | 11.394 | 3212 | 3220 | 3230 | rVV4 | 41913 | 78548 | 2.16% | 0.277% |
| 49 | 11.525 | 3251 | 3261 | 3280 | rBV2 | 463807 | 892618 | 24.50% | 3.145% |
| 50 | 11.625 | 3282 | 3292 | 3318 | rVB2 | 437873 | 887772 | 24.36% | 3.128% |
| 51 | 11.744 | 3321 | 3329 | 3335 | rBV | 29725 | 47984 | 1.32% | 0.169% |
| 52 | 11.818 | 3346 | 3352 | 3370 | rVB | 55059 | 89420 | 2.45% | 0.315% |
| 53 | 12.014 | 3403 | 3413 | 3429 | rBV | 241180 | 425661 | 11.68% | 1.500% |
| 54 | 12.114 | 3436 | 3444 | 3473 | rVB2 | 138073 | 322237 | 8.84% | 1.135% |
| 55 | 12.313 | 3497 | 3506 | 3519 | rBV4 | 45502 | 81115 | 2.23% | 0.286% |
| 56 | 12.410 | 3528 | 3536 | 3545 | rBV | 149918 | 225618 | 6.19% | 0.795% |
| 57 | 12.660 | 3606 | 3614 | 3624 | rBV7 | 51747 | 88418 | 2.43% | 0.312% |
| 58 | 12.722 | 3625 | 3633 | 3649 | rVB | 96704 | 161735 | 4.44% | 0.570% |
| 59 | 12.889 | 3669 | 3685 | 3714 | rBV | 2240122 | 3643944 | 100.00% | 12.839% |
| 60 | 13.046 | 3725 | 3734 | 3745 | rVB2 | 110138 | 189274 | 5.19% | 0.667% |
| 61 | 13.111 | 3745 | 3754 | 3763 | rBV2 | 106748 | 192274 | 5.28% | 0.677% |
| 62 | 13.265 | 3795 | 3802 | 3811 | rBV5 | 46205 | 73565 | 2.02% | 0.259% |
| 63 | 13.336 | 3815 | 3824 | 3828 | rBV7 | 21180 | 41466 | 1.14% | 0.146% |
| 64 | 13.500 | 3864 | 3875 | 3899 | rVV | 1279971 | 1953015 | 53.60% | 6.881% |
| 65 | 13.603 | 3902 | 3907 | 3920 | rVB8 | 25504 | 40053 | 1.10% | 0.141% |
| 66 | 13.693 | 3926 | 3935 | 3949 | rBV6 | 67961 | 160195 | 4.40% | 0.564% |
| 67 | 13.911 | 3994 | 4003 | 4015 | rBV3 | 33390 | 57353 | 1.57% | 0.202% |
| 68 | 14.088 | 4049 | 4058 | 4070 | rBV3 | 25336 | 56169 | 1.54% | 0.198% |
| 69 | 14.631 | 4216 | 4227 | 4237 | rBV | 87581 | 141277 | 3.88% | 0.498% |
| 70 | 14.815 | 4275 | 4284 | 4297 | rVB | 63086 | 103272 | 2.83% | 0.364% |
| 71 | 16.104 | 4673 | 4685 | 4699 | rBV2 | 83395 | 134231 | 3.68% | 0.473% |
| 72 | 16.178 | 4700 | 4708 | 4724 | rBV10 | 26335 | 45694 | 1.25% | 0.161% |
| 73 | 16.307 | 4737 | 4748 | 4759 | rVB | 39630 | 66669 | 1.83% | 0.235% |

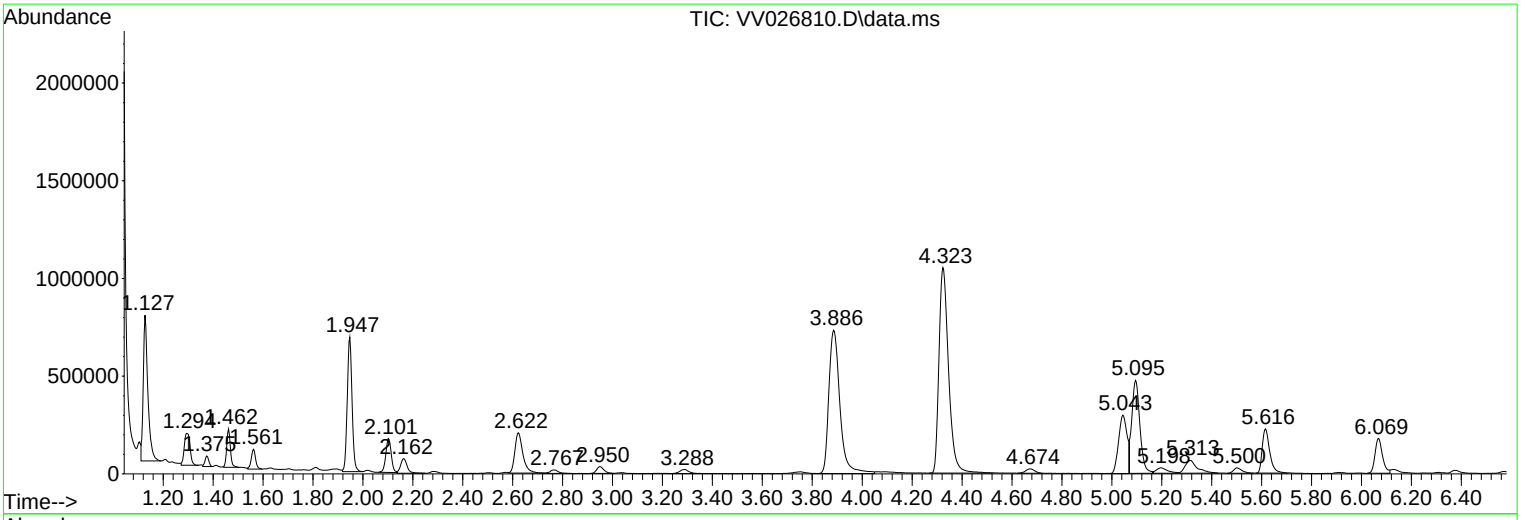
Sum of corrected areas: 28381228

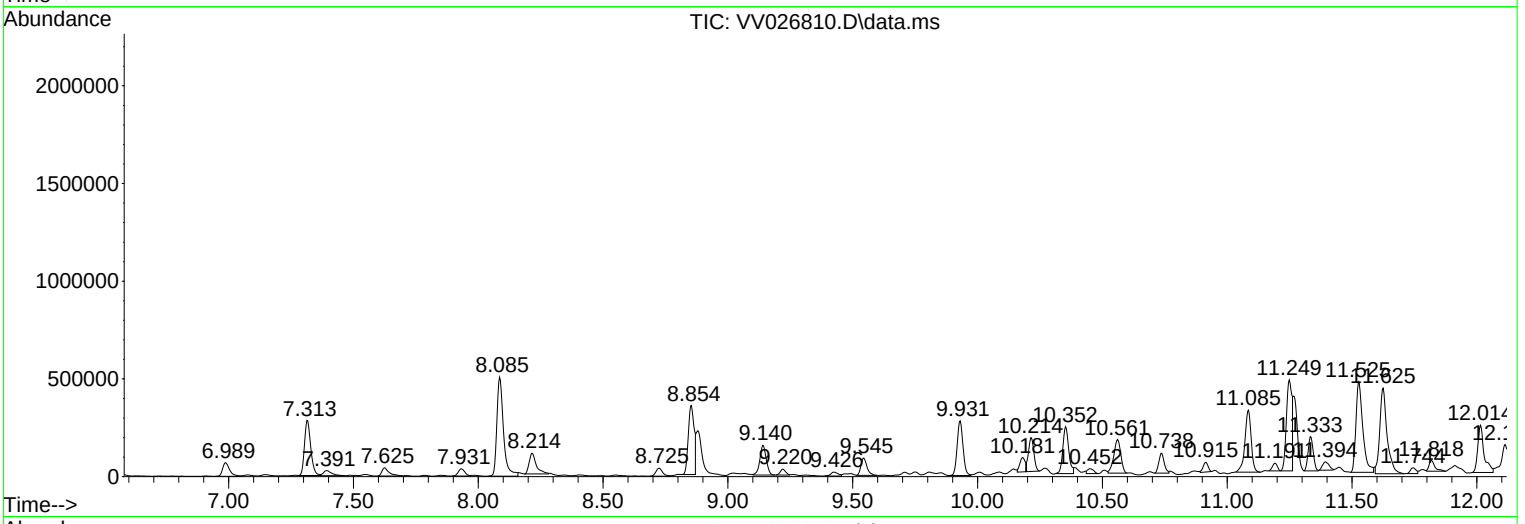
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

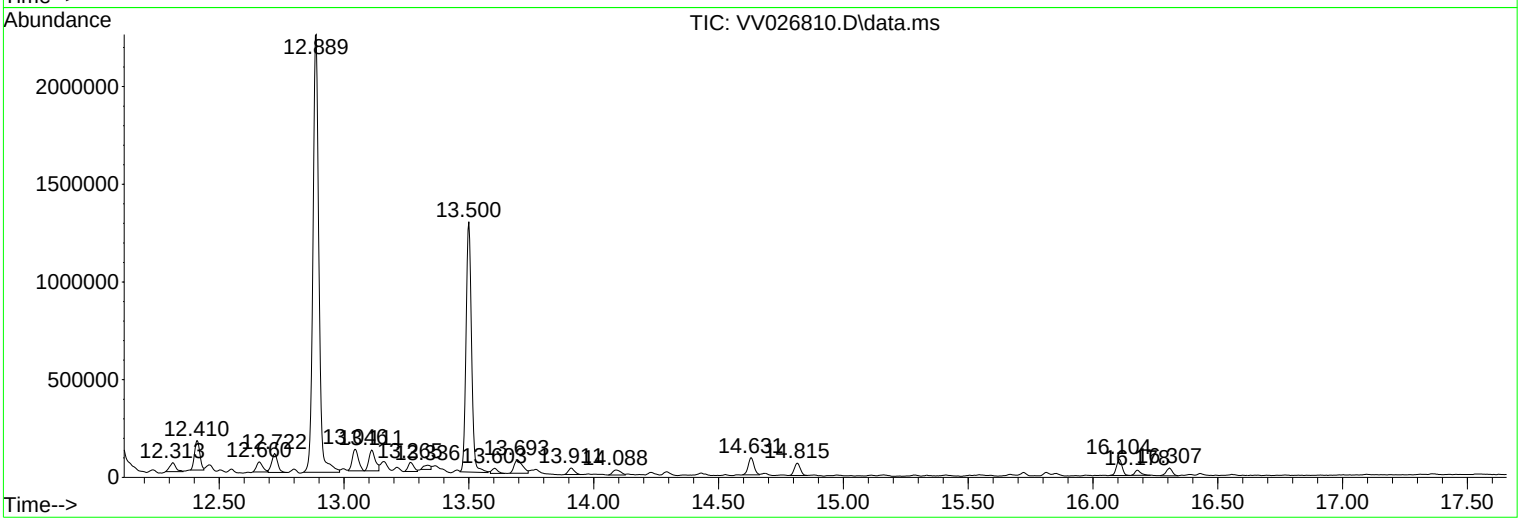
**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

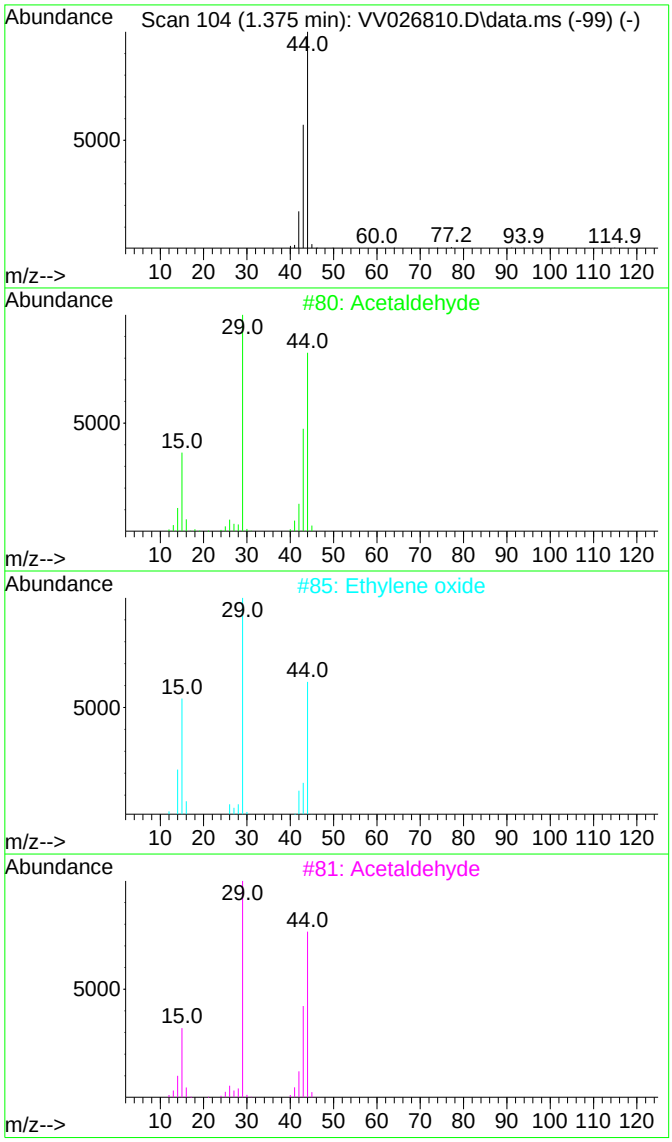
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

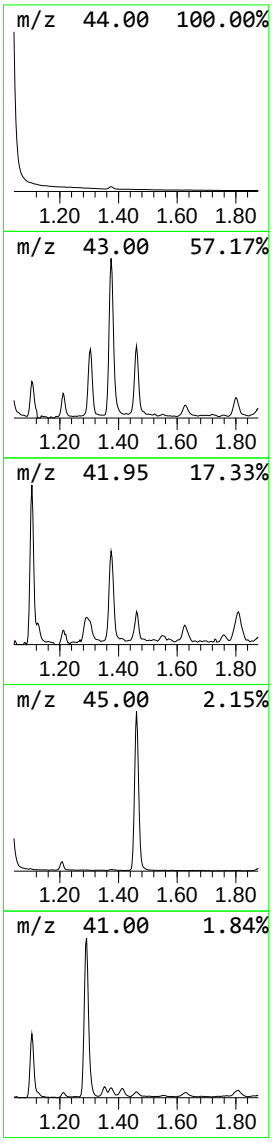
**********

Peak Number 1 unknown-01 Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.375 | 0.57 ug/L | 53276 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 9 |
| 2 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 7 |
| 3 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 7 |
| 4 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 7 |
| 5 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 5 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

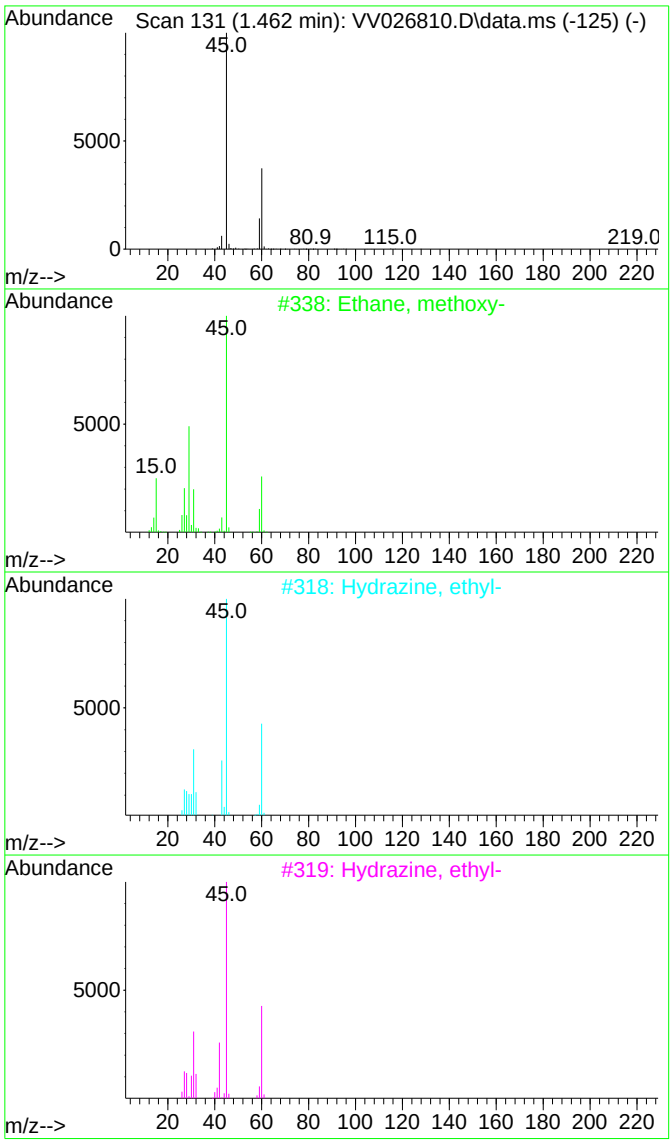
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

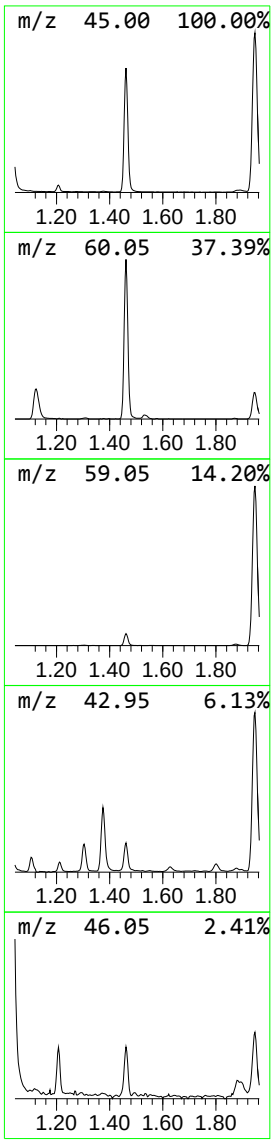
**********

Peak Number 2 Ethane, methoxy- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.462 | 2.14 ug/L | 201821 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, methoxy- | 60 | C3H8O | 000540-67-0 | 78 |
| 2 | Hydrazine, ethyl- | 60 | C2H8N2 | 000624-80-6 | 72 |
| 3 | Hydrazine, ethyl- | 60 | C2H8N2 | 000624-80-6 | 56 |
| 4 | Ethane, methoxy- | 60 | C3H8O | 000540-67-0 | 56 |
| 5 | Ethane, methoxy- | 60 | C3H8O | 000540-67-0 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

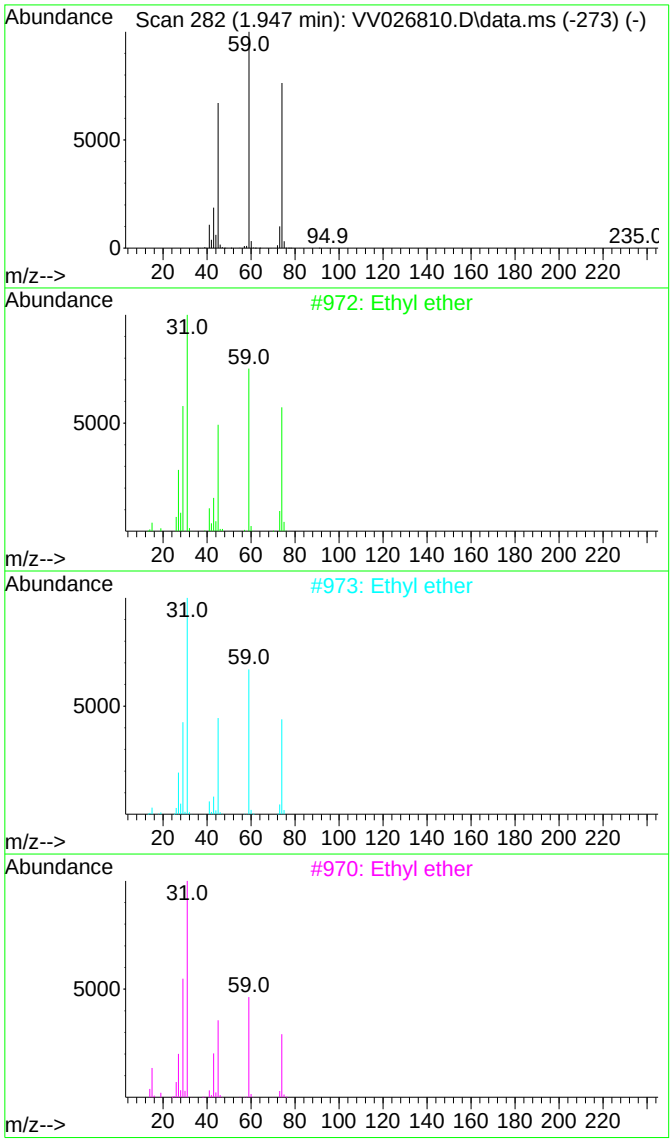
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

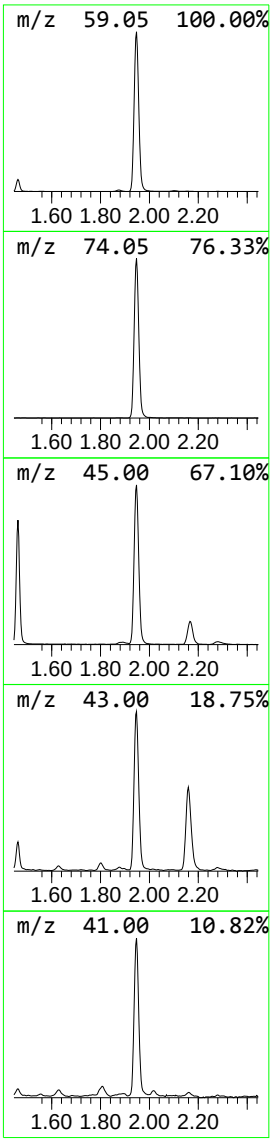
**********

Peak Number 3 Ethyl ether Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.947 | 9.62 ug/L | 905516 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 2 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 90 |
| 3 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 83 |
| 4 | Ethane, 1,2-diethoxy- | 118 | C6H14O2 | 000629-14-1 | 72 |
| 5 | Ethyl ether | 74 | C4H10O | 000060-29-7 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

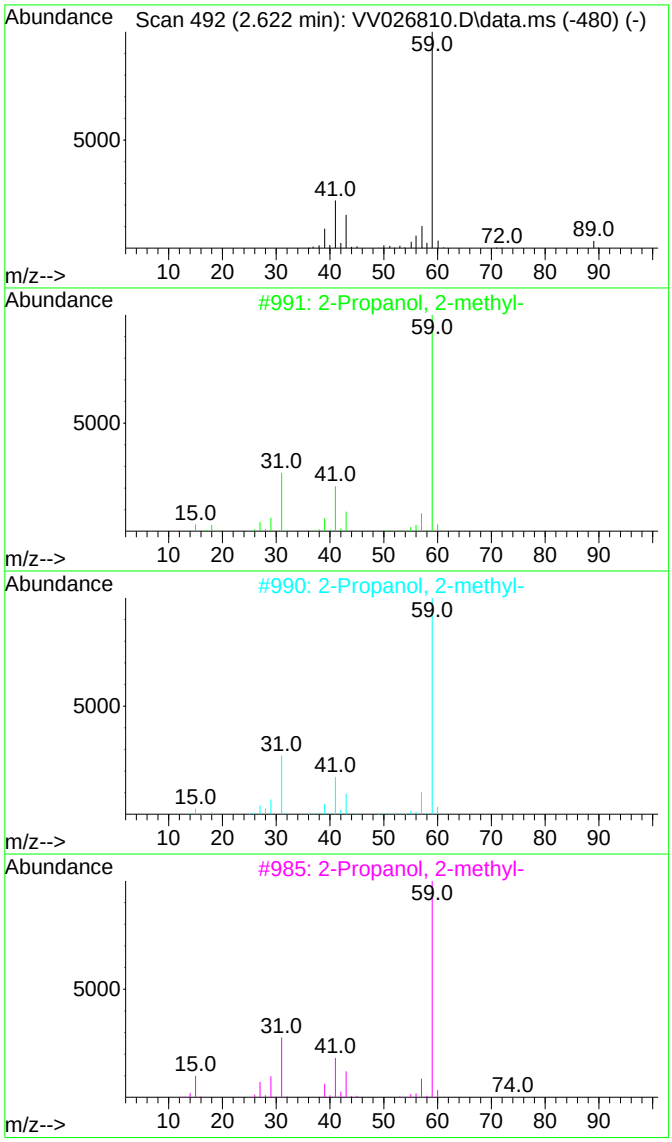
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

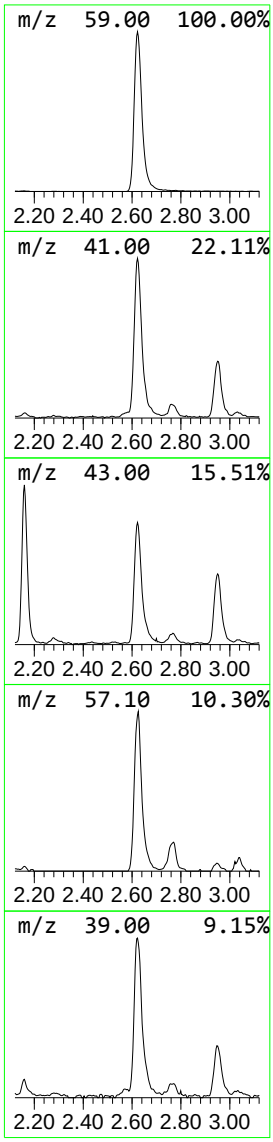
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2-Propanol, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.622 | 4.88 ug/L | 459031 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 72 |
| 2 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 64 |
| 3 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 39 |
| 4 | Propane, 2-ethoxy-2-methyl- | 102 | C6H14O | 000637-92-3 | 38 |
| 5 | HEX-5-EN-3-OL | 100 | C6H12O | 000688-99-3 | 23 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

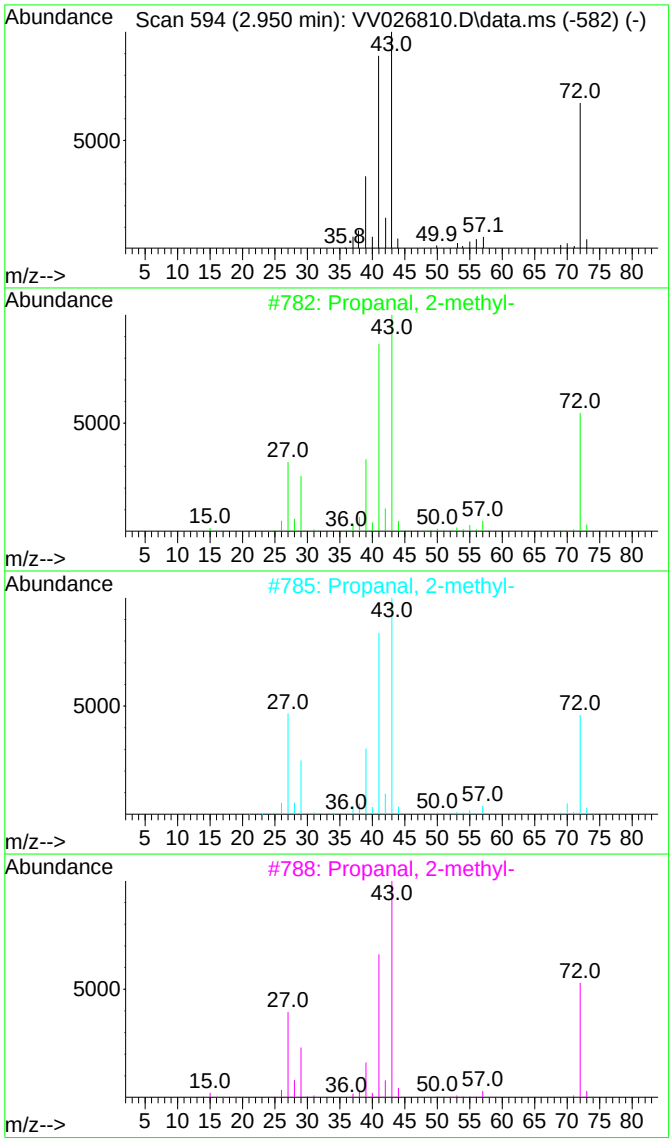
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

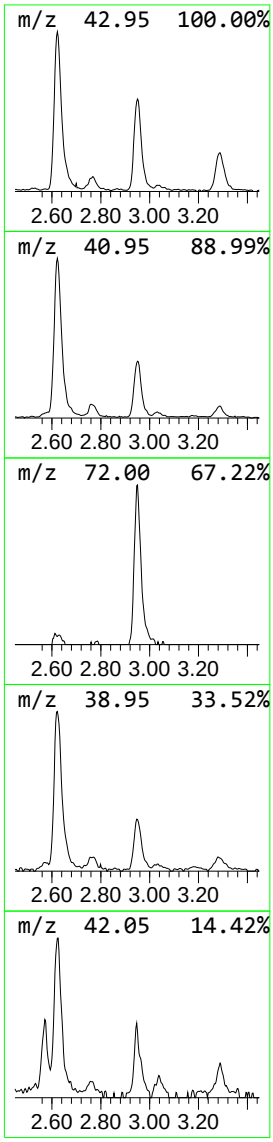
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Propanal, 2-methyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.950 | 0.75 ug/L | 70589 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 91 |
| 2 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 91 |
| 3 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 78 |
| 4 | Butanal | 72 | C4H8O | 000123-72-8 | 59 |
| 5 | 1-Propene, 1-methoxy- | 72 | C4H8O | 007319-16-6 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

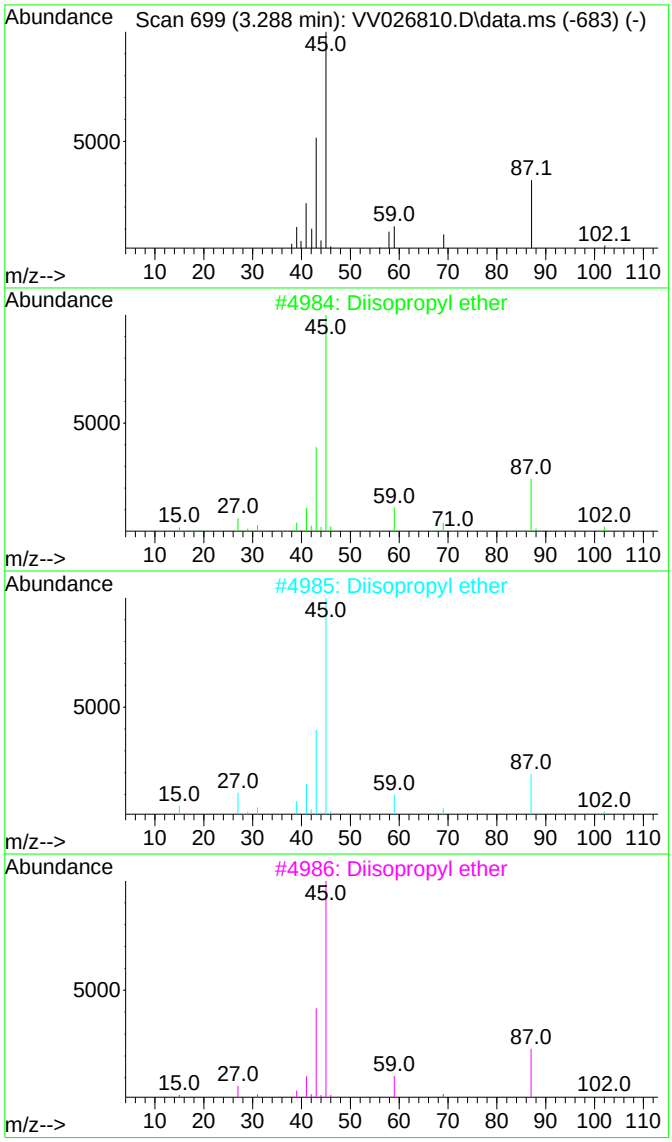
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

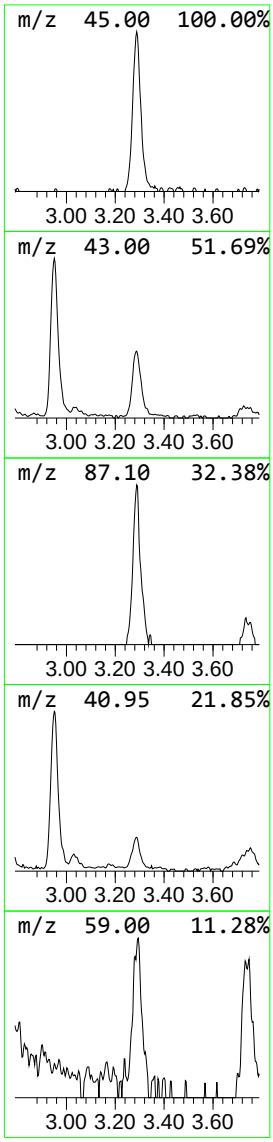
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Diisopropyl ether Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.288 | 0.53 ug/L | 50116 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 86 |
| 2 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 86 |
| 3 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 80 |
| 4 | Propane, 1-(1-methylethoxy)- | 102 | C6H14O | 000627-08-7 | 78 |
| 5 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 56 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

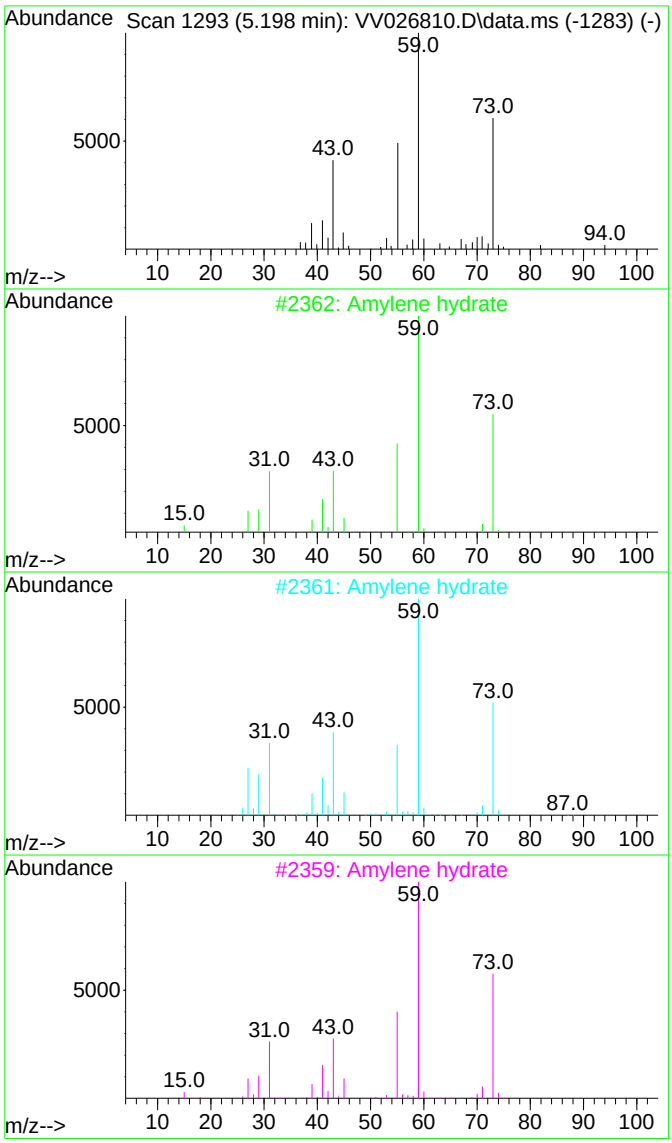
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

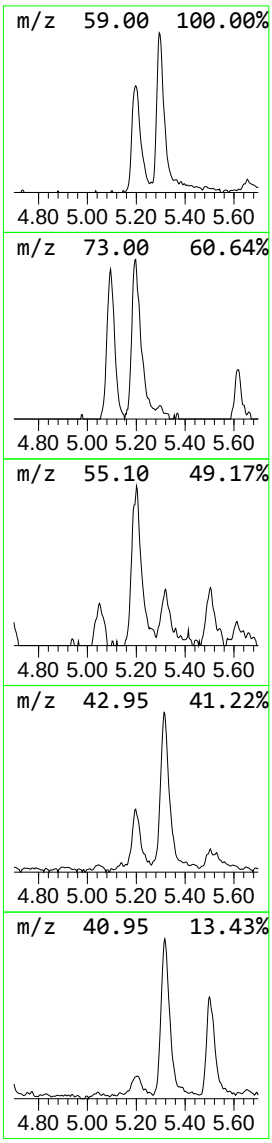
**********

Peak Number 7 Amylene hydrate Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.198 | 0.92 ug/L | 86504 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 72 |
| 2 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 72 |
| 3 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 56 |
| 4 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 56 |
| 5 | Amylene hydrate | 88 | C5H12O | 000075-85-4 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

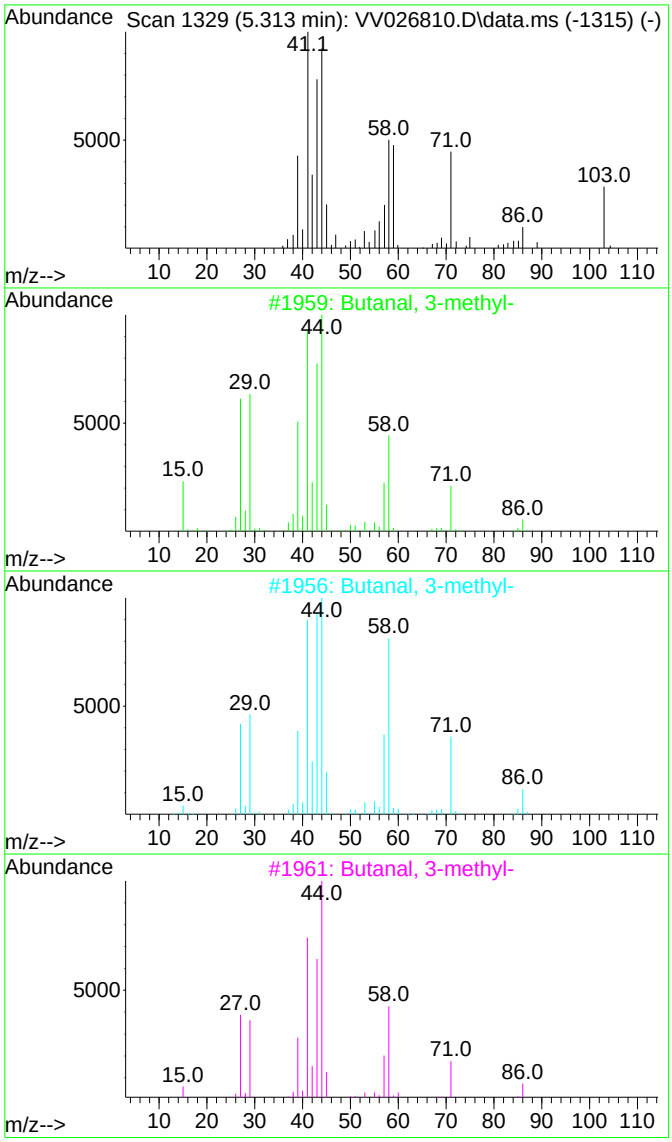
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

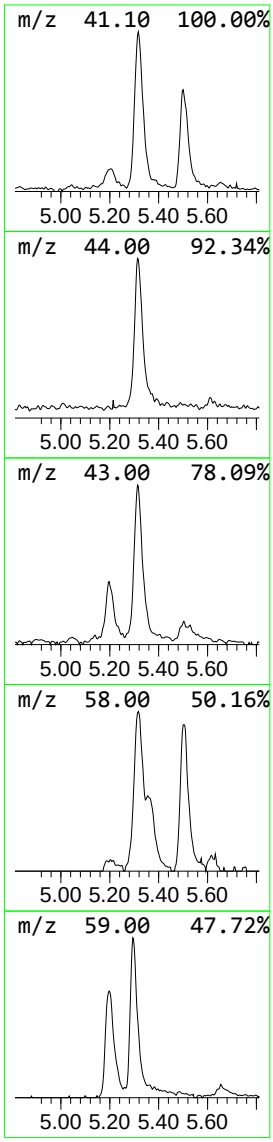
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Butanal, 3-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.313 | 2.31 ug/L | 217528 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 52 |
| 2 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 43 |
| 3 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 43 |
| 4 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 43 |
| 5 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

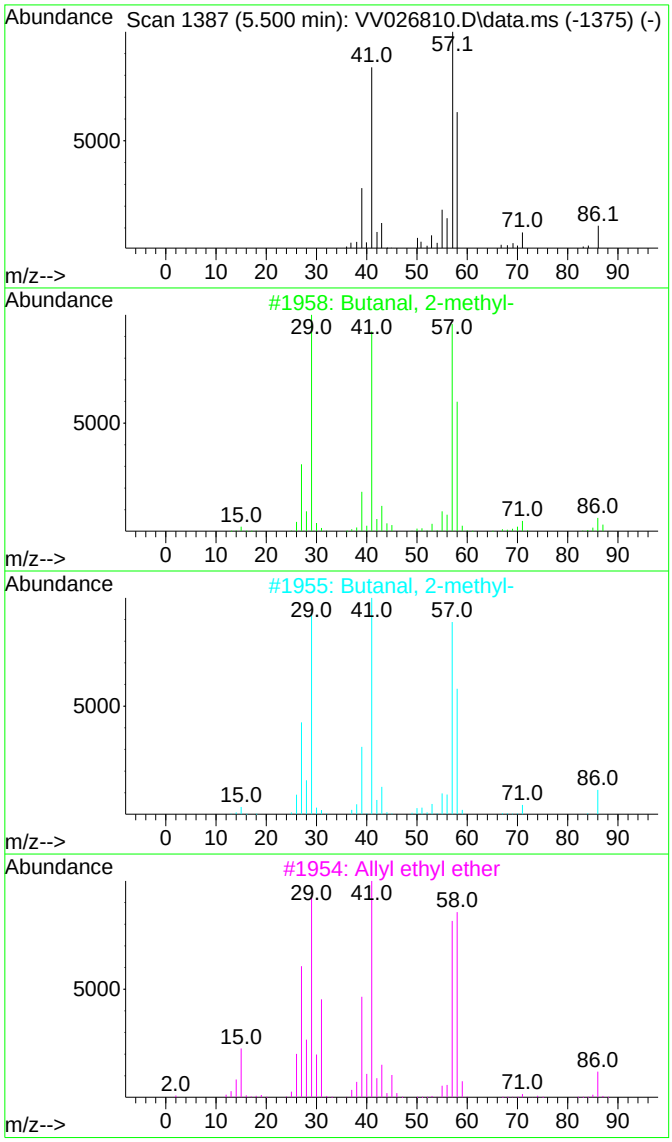
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

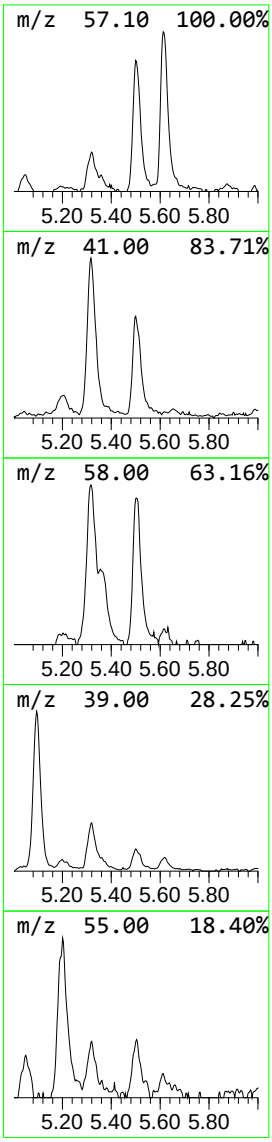
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Butanal, 2-methyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.500 | 0.71 ug/L | 66754 | 1,4-Difluorobenzene | 5.616 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanal, 2-methyl- | 86 | C5H10O | 000096-17-3 | 86 |
| 2 | Butanal, 2-methyl- | 86 | C5H10O | 000096-17-3 | 86 |
| 3 | Allyl ethyl ether | 86 | C5H10O | 000557-31-3 | 50 |
| 4 | Butanal, 2-methyl- | 86 | C5H10O | 000096-17-3 | 50 |
| 5 | Butane, 1-(2-propenyloxy)- | 114 | C7H14O | 003739-64-8 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

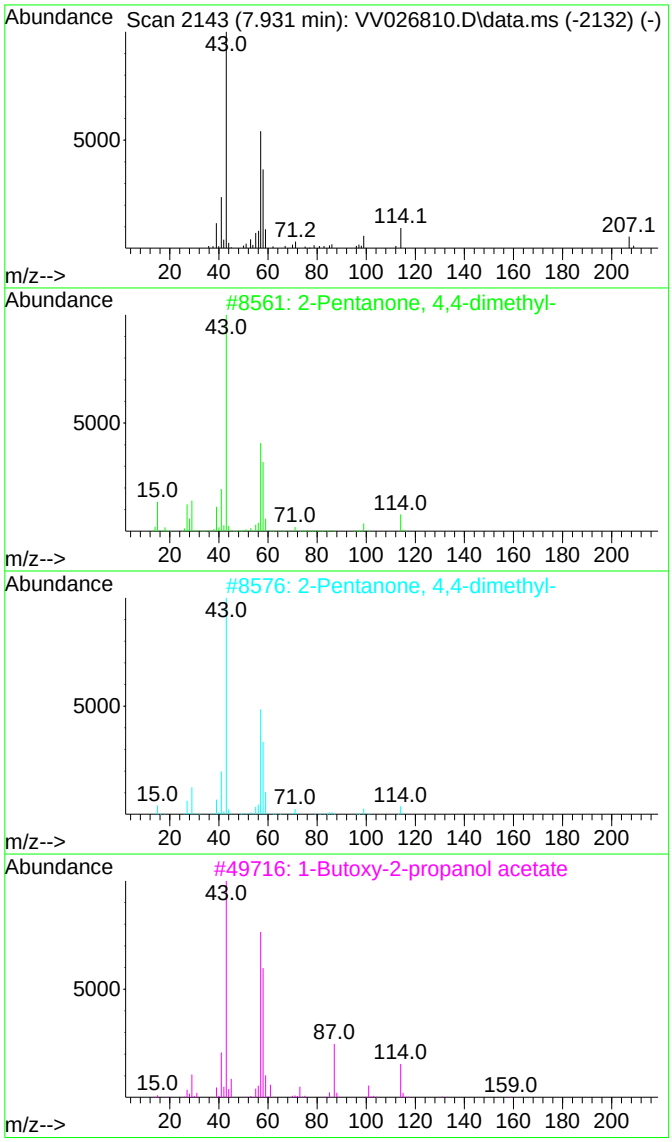
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

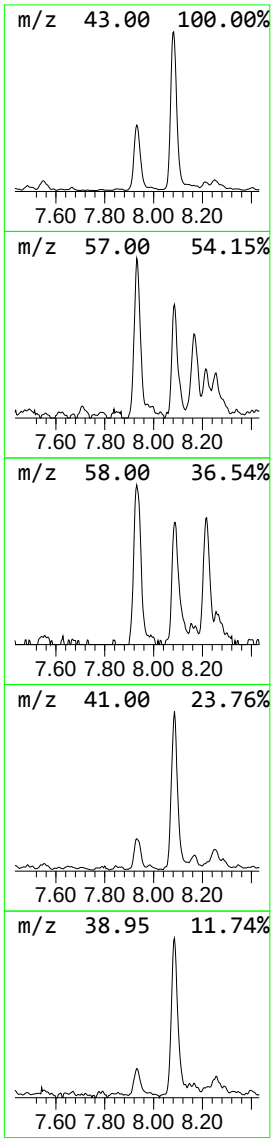
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 2-Pentanone, 4,4-dimethyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.931 | 0.59 ug/L | 68870 | Chlorobenzene-d5 | 8.854 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4,4-dimethyl- | 114 | C7H14O | 000590-50-1 | 83 |
| 2 | 2-Pentanone, 4,4-dimethyl- | 114 | C7H14O | 000590-50-1 | 64 |
| 3 | 1-Butoxy-2-propanol acetate | 174 | C9H18O3 | 085409-76-3 | 50 |
| 4 | 1-Butoxy-2-propanol acetate | 174 | C9H18O3 | 085409-76-3 | 45 |
| 5 | 2-Hexanone, 5-methyl- | 114 | C7H14O | 000110-12-3 | 42 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

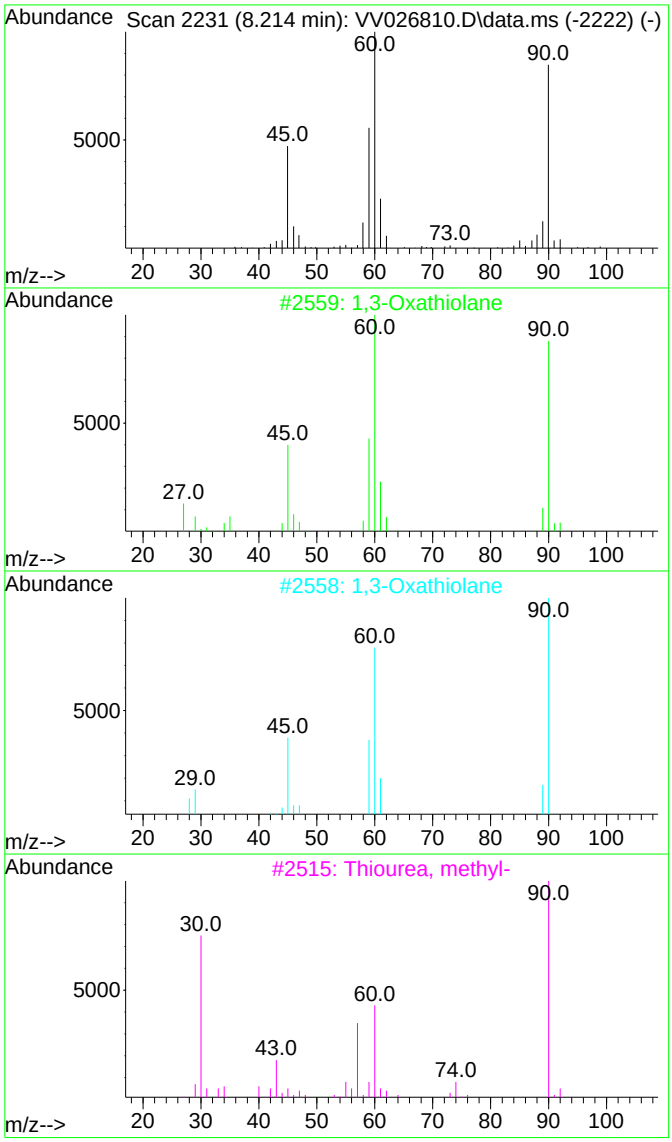
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

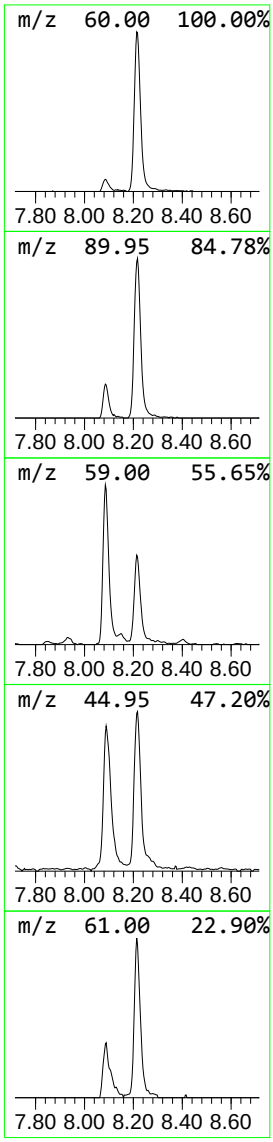
**********

Peak Number 12 1,3-Oxathiolane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.214 | 1.79 ug/L | 209758 | Chlorobenzene-d5 | 8.854 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Oxathiolane | 90 | C3H6OS | 002094-97-5 | 94 |
| 2 | 1,3-Oxathiolane | 90 | C3H6OS | 002094-97-5 | 91 |
| 3 | Thiourea, methyl- | 90 | C2H6N2S | 000598-52-7 | 33 |
| 4 | Carbamic acid, N-methyl-N-methyl... | 229 | C13H27NO2 | 1000437-29-8 | 33 |
| 5 | (S)-Methyl 2,3-dihydroxypropanoate | 120 | C4H8O4 | 010303-88-5 | 28 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

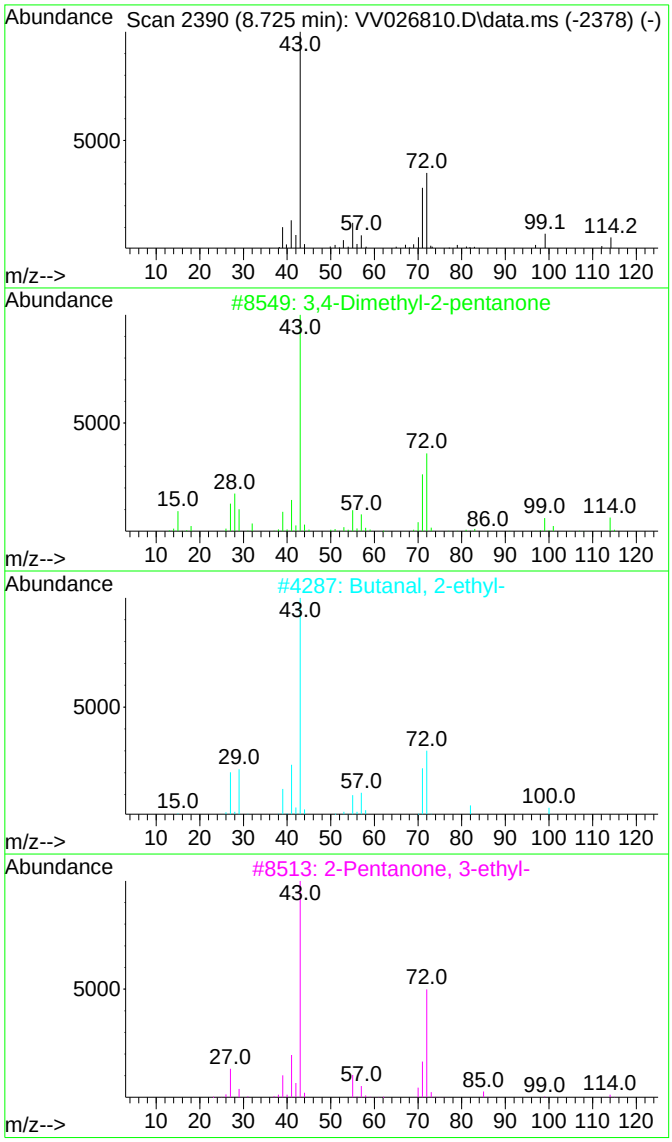
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

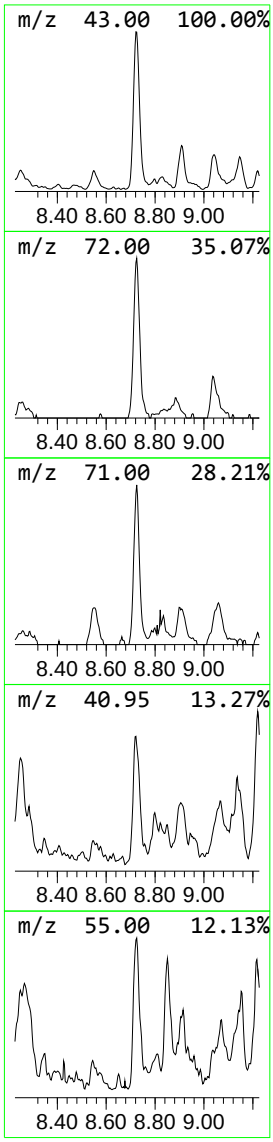
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 3,4-Dimethyl-2-pentanone Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.725 | 0.65 ug/L | 76359 | Chlorobenzene-d5 | 8.854 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,4-Dimethyl-2-pentanone | 114 | C7H14O | 1000202-23-1 | 90 |
| 2 | Butanal, 2-ethyl- | 100 | C6H12O | 000097-96-1 | 53 |
| 3 | 2-Pentanone, 3-ethyl- | 114 | C7H14O | 006137-03-7 | 53 |
| 4 | Butane, 1-(ethenyloxy)-3-methyl- | 114 | C7H14O | 039782-38-2 | 47 |
| 5 | 3-Pentanone, 2,4-dimethyl- | 114 | C7H14O | 000565-80-0 | 46 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

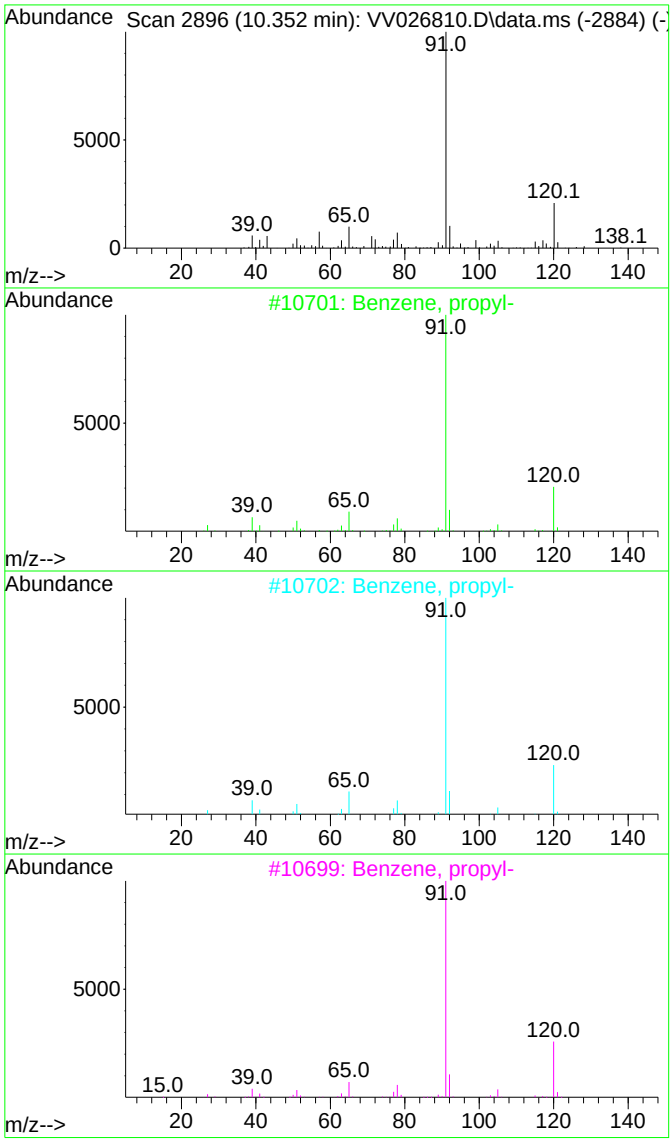
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

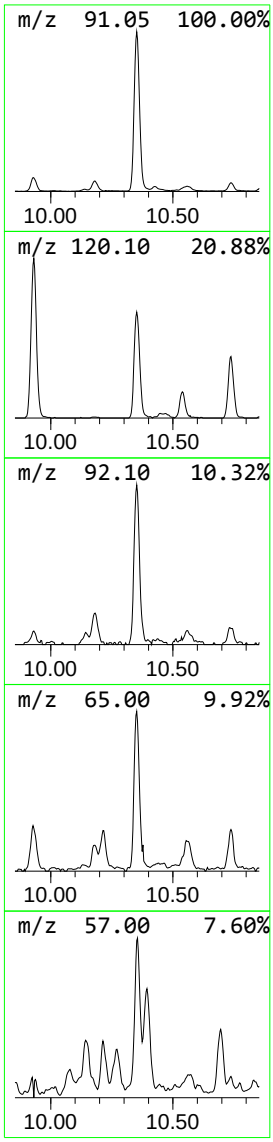
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, propyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.352 | 2.67 ug/L | 394033 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 81 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 81 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 74 |
| 4 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 64 |
| 5 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

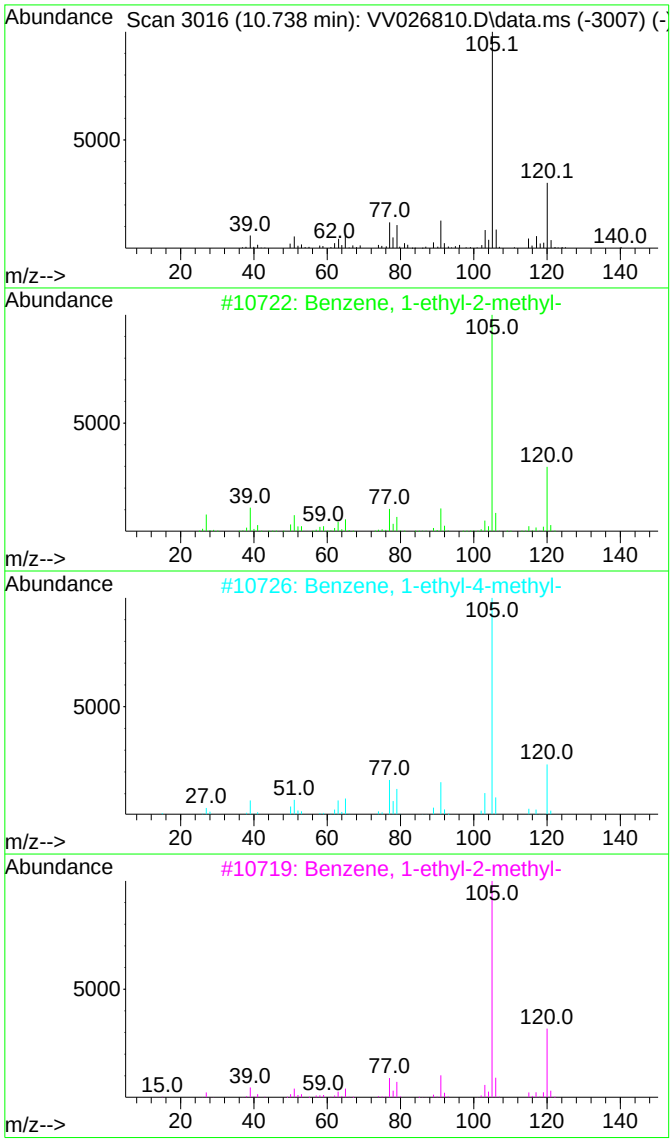
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

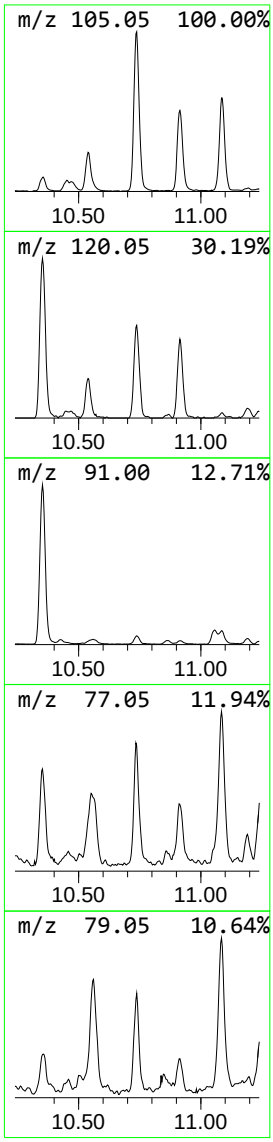
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.738 | 1.03 ug/L | 152048 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

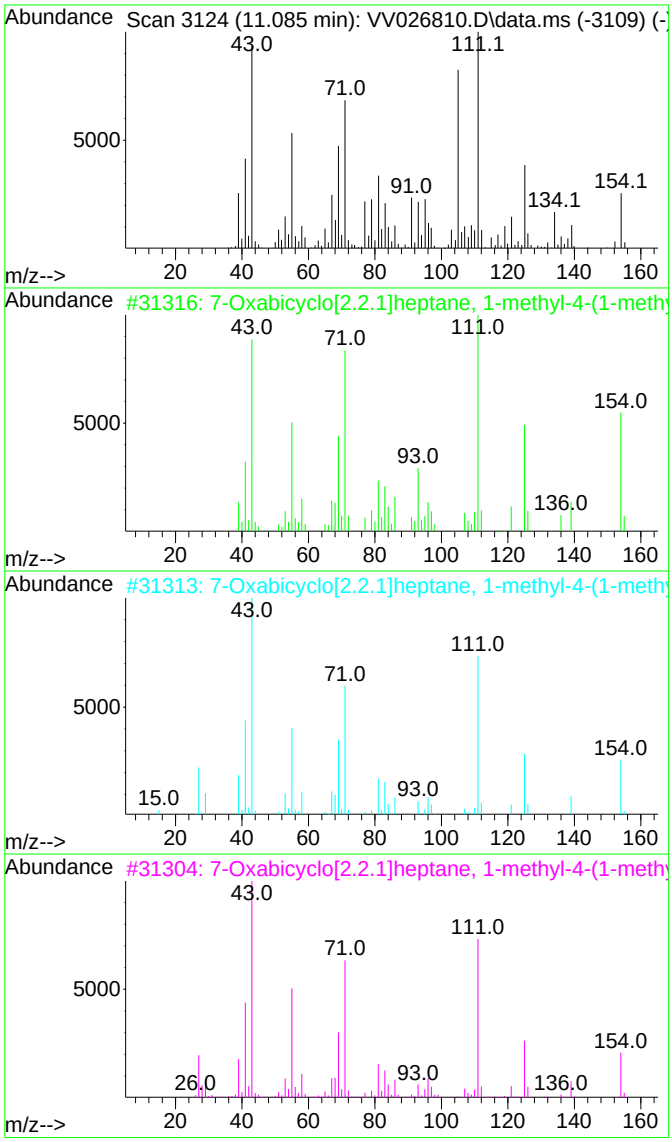
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

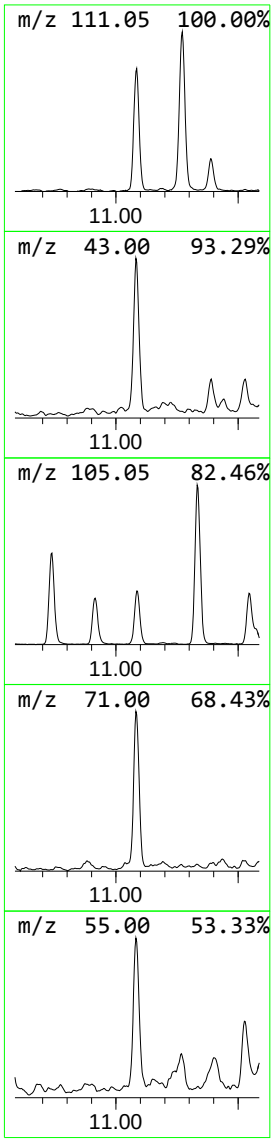
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.085 | 3.79 ug/L | 559387 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Oxabicyclo[2.2.1]heptane, 1-me... | 154 | C10H18O | 000470-67-7 | 95 |
| 2 | 7-Oxabicyclo[2.2.1]heptane, 1-me... | 154 | C10H18O | 000470-67-7 | 93 |
| 3 | 7-Oxabicyclo[2.2.1]heptane, 1-me... | 154 | C10H18O | 000470-67-7 | 89 |
| 4 | 7-Oxabicyclo[2.2.1]heptane, 1-me... | 154 | C10H18O | 000470-67-7 | 60 |
| 5 | 7-Oxabicyclo[2.2.1]heptane, 1-me... | 154 | C10H18O | 000470-67-7 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

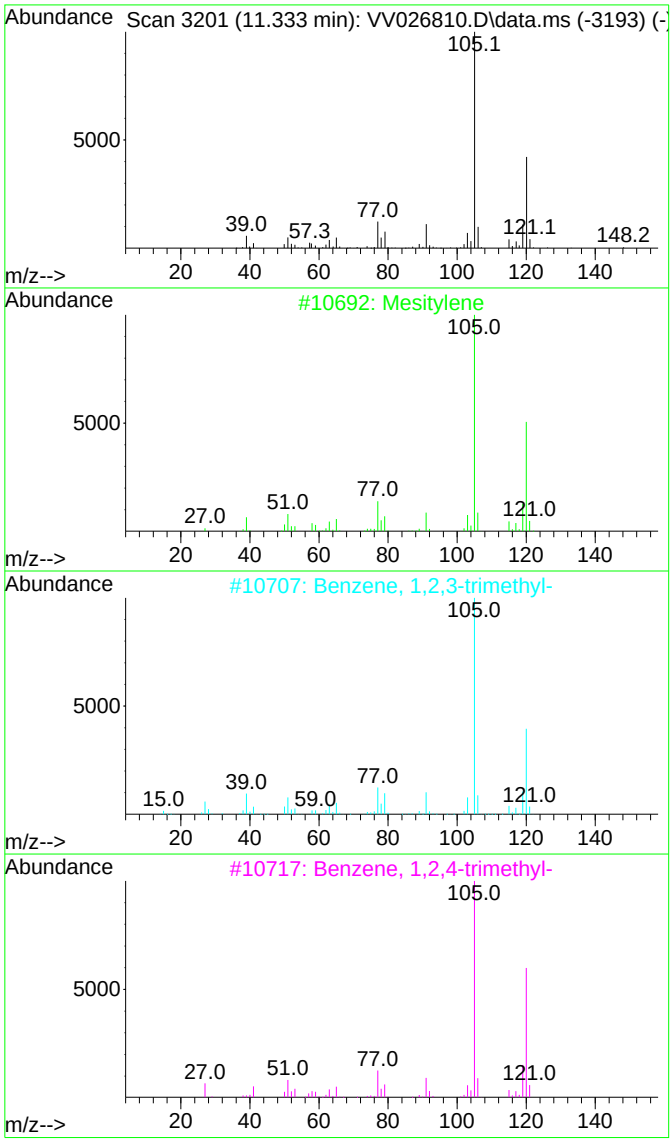
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

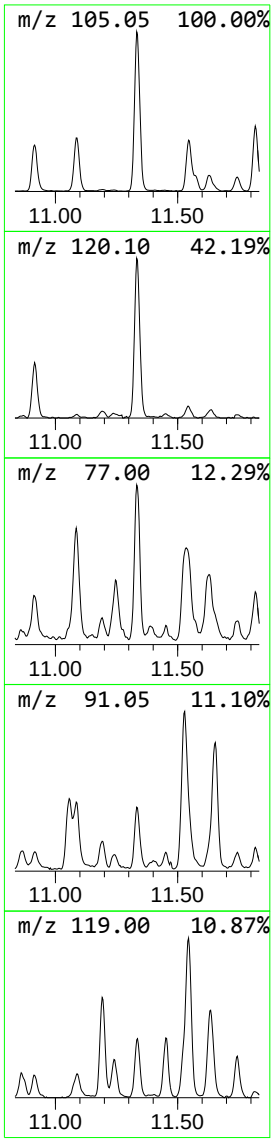
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzene, 1,2,3-trimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.333 | 1.70 ug/L | 251084 | 1,4-Dichlorobenzene-d4 | 11.246 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

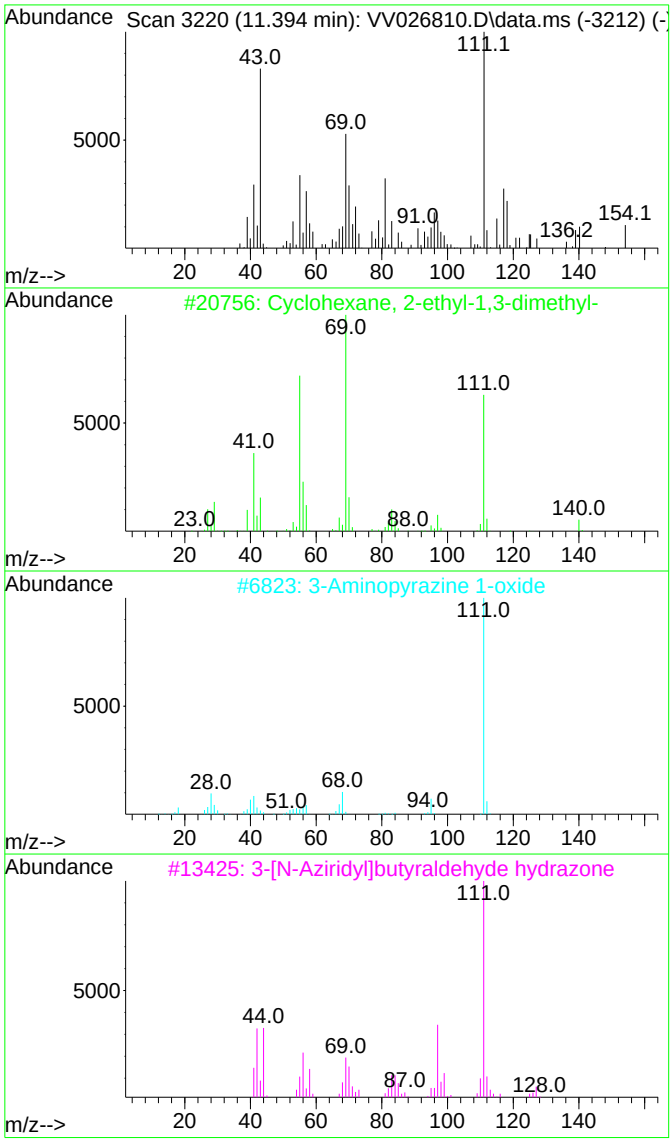
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

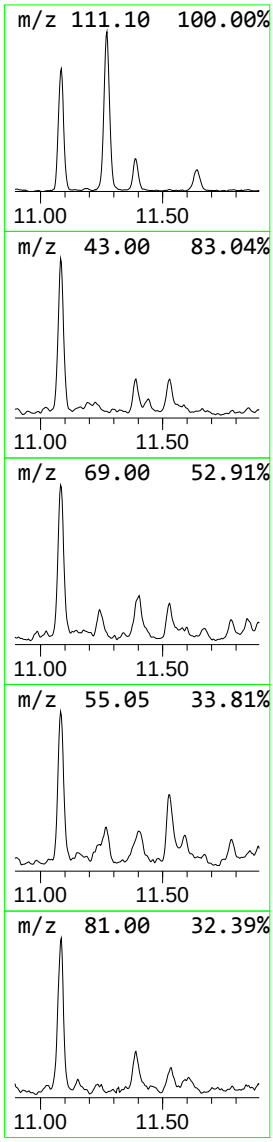
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 (DEL) Alkane: Cyclic11.394 Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.394 | 0.53 ug/L | 78548 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 2-ethyl-1,3-dimethyl- | 140 | C10H20 | 007045-67-2 | 38 |
| 2 | 3-Aminopyrazine 1-oxide | 111 | C4H5N3O | 006863-77-0 | 35 |
| 3 | 3-[N-Aziridyl]butyraldehyde hydr... | 127 | C6H13N3 | 1000257-03-1 | 35 |
| 4 | Cyclohexane, 1-ethyl-2-propyl- | 154 | C11H22 | 062238-33-9 | 35 |
| 5 | 1-Benzoxirene, 1a-[(phenylsulfon... | 252 | C13H16O3S | 071208-82-7 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

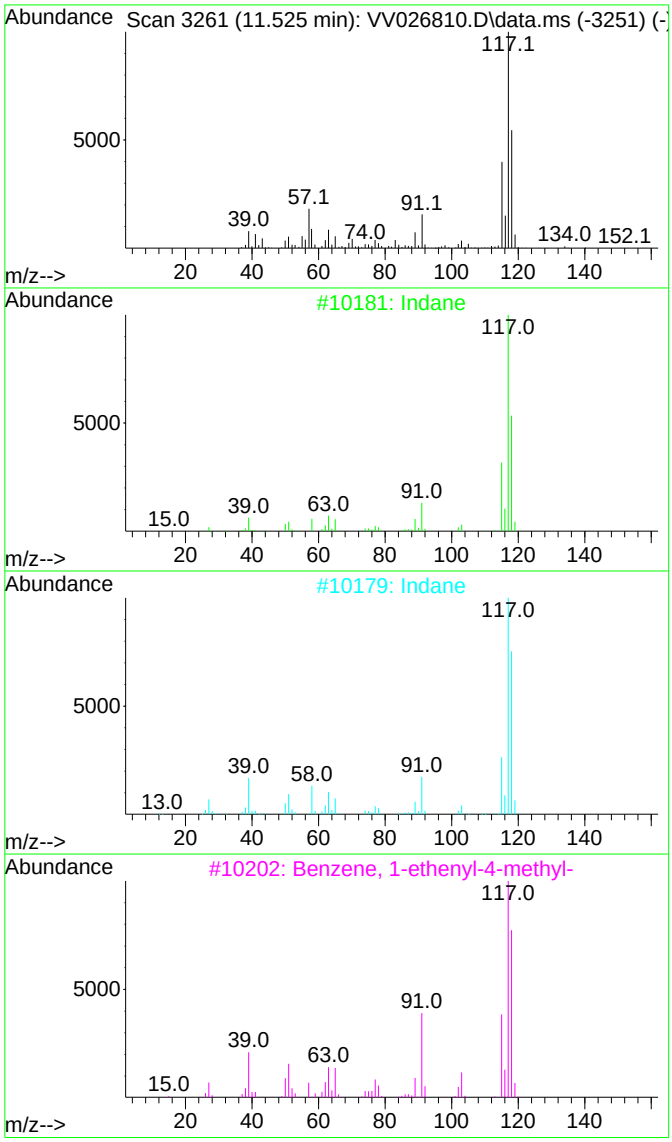
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

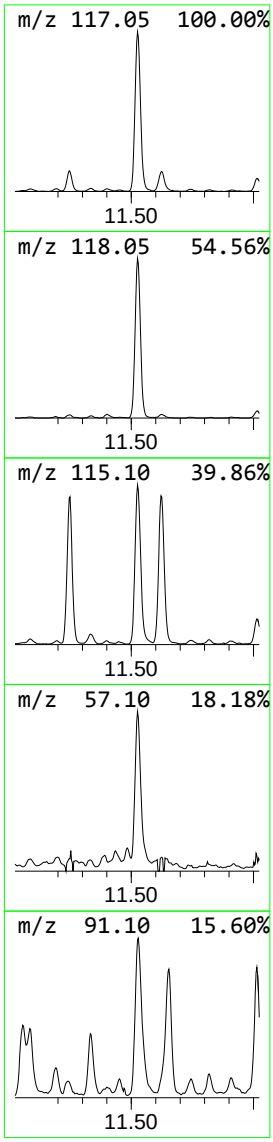
**********

Peak Number 19 Indane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.525 | 6.05 ug/L | 892618 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 94 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 76 |
| 3 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 68 |
| 4 | trans-Cinnamyl bromide | 196 | C9H9Br | 026146-77-0 | 64 |
| 5 | 7-Methylenecycloocta-1,3,5-triene | 118 | C9H10 | 002570-13-0 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

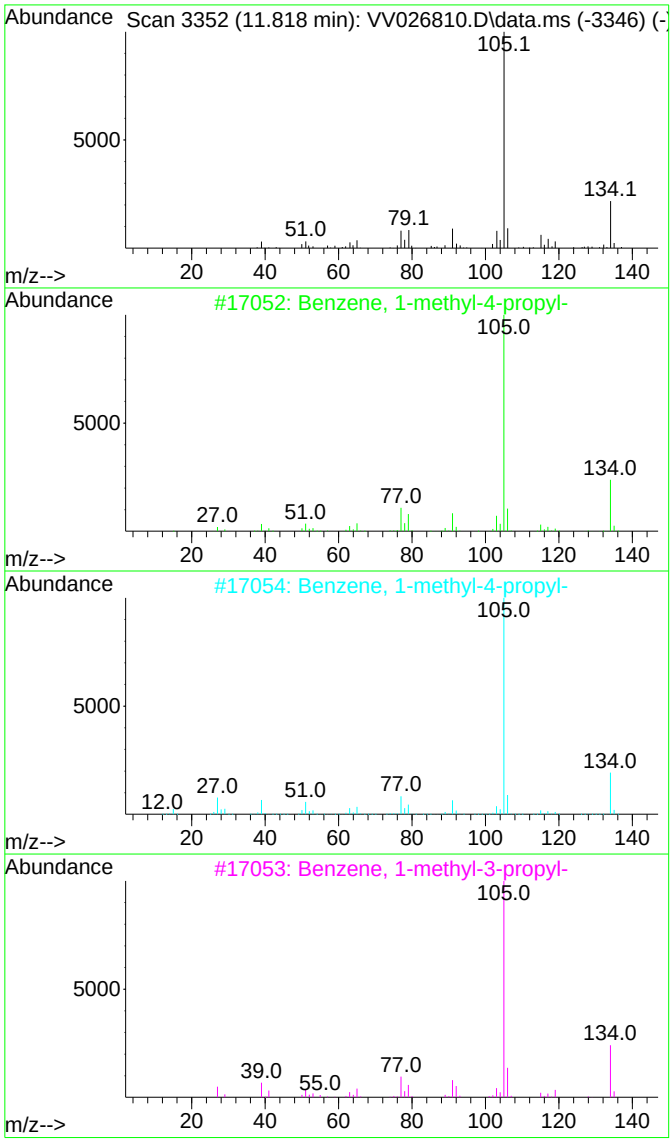
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

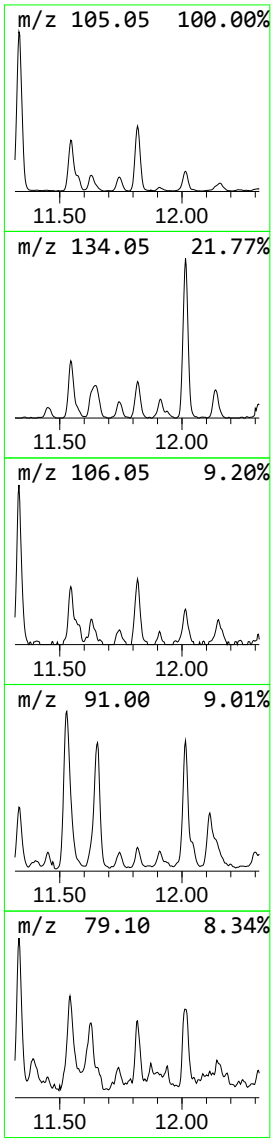
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Benzene, 1-methyl-4-propyl- Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.818 | 0.61 ug/L | 89420 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 90 |
| 2 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 87 |
| 3 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 87 |
| 4 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 87 |
| 5 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

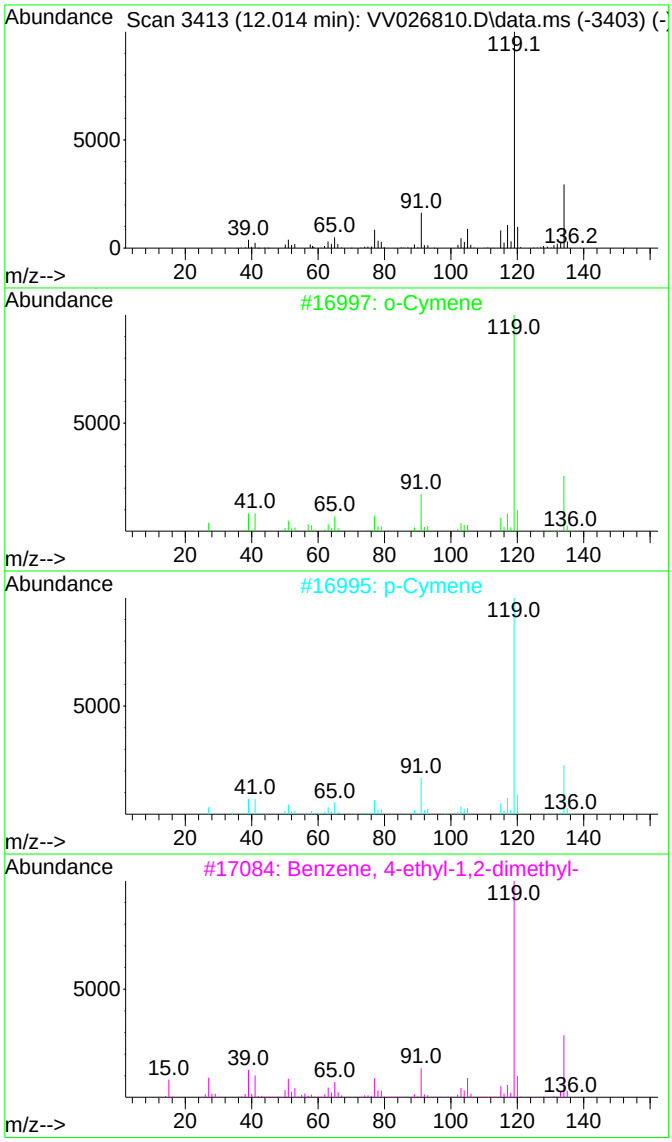
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

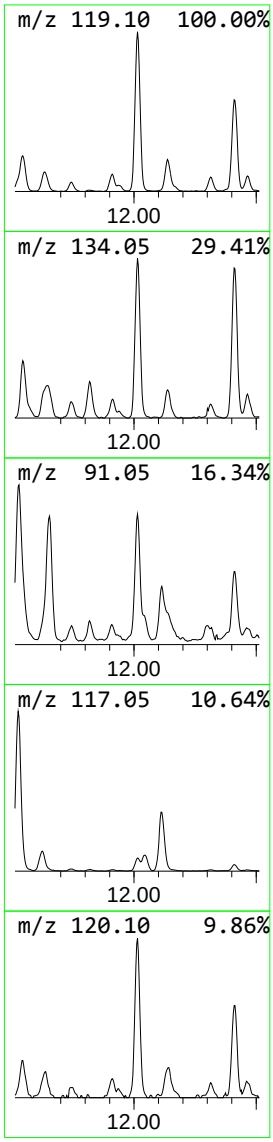
**********

Peak Number 21 o-Cymene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.014 | 2.89 ug/L | 425661 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 3 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 95 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

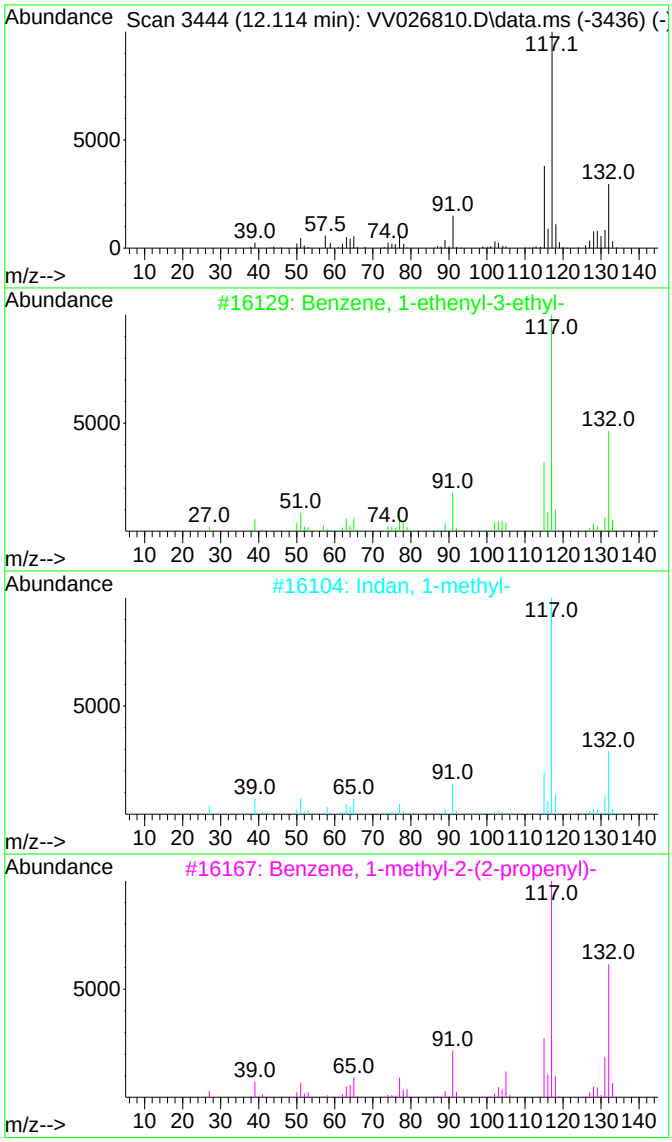
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

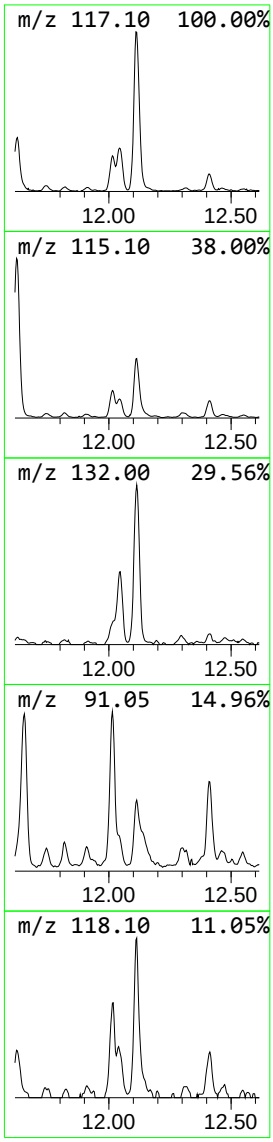
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.114 | 2.18 ug/L | 322237 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |
| 3 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 78 |
| 4 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 78 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

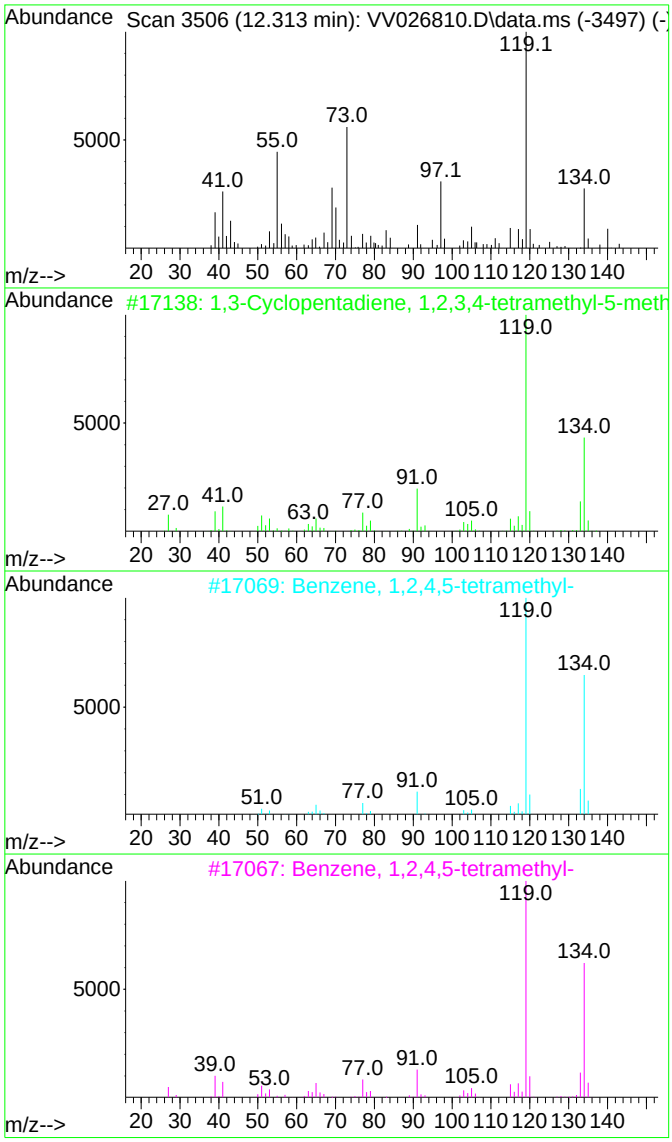
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

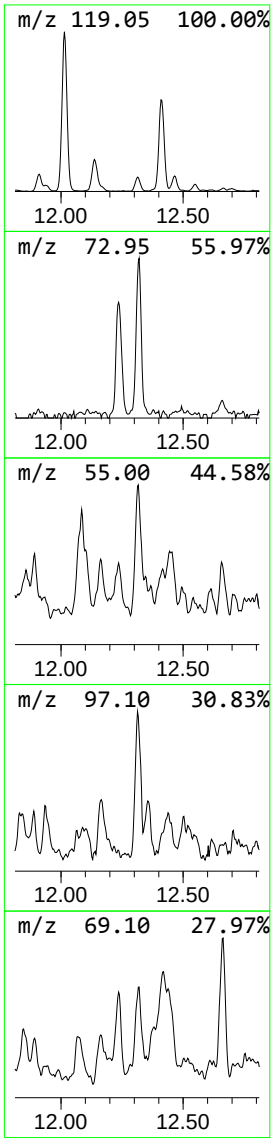
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.313 | 0.55 ug/L | 81115 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 76 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 76 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 76 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 76 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

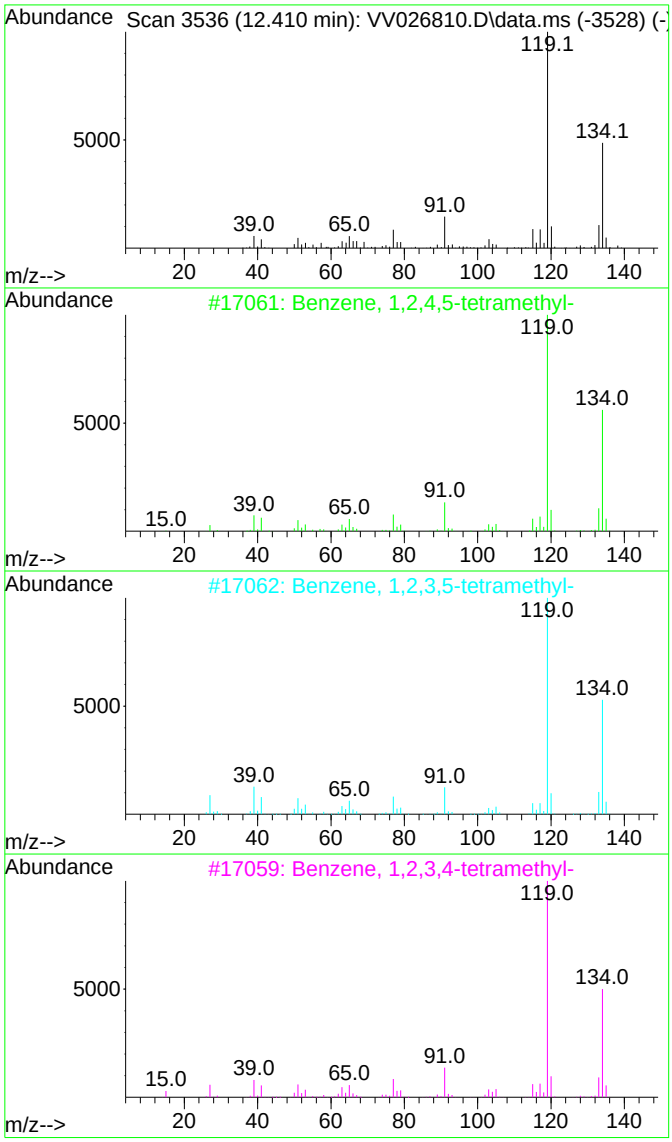
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

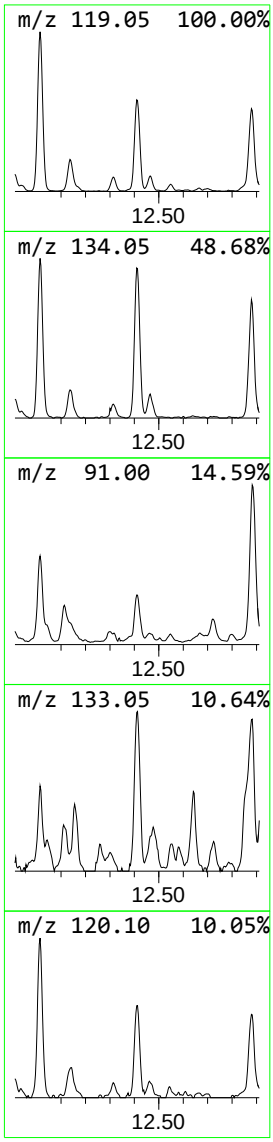
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.410 | 1.53 ug/L | 225618 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

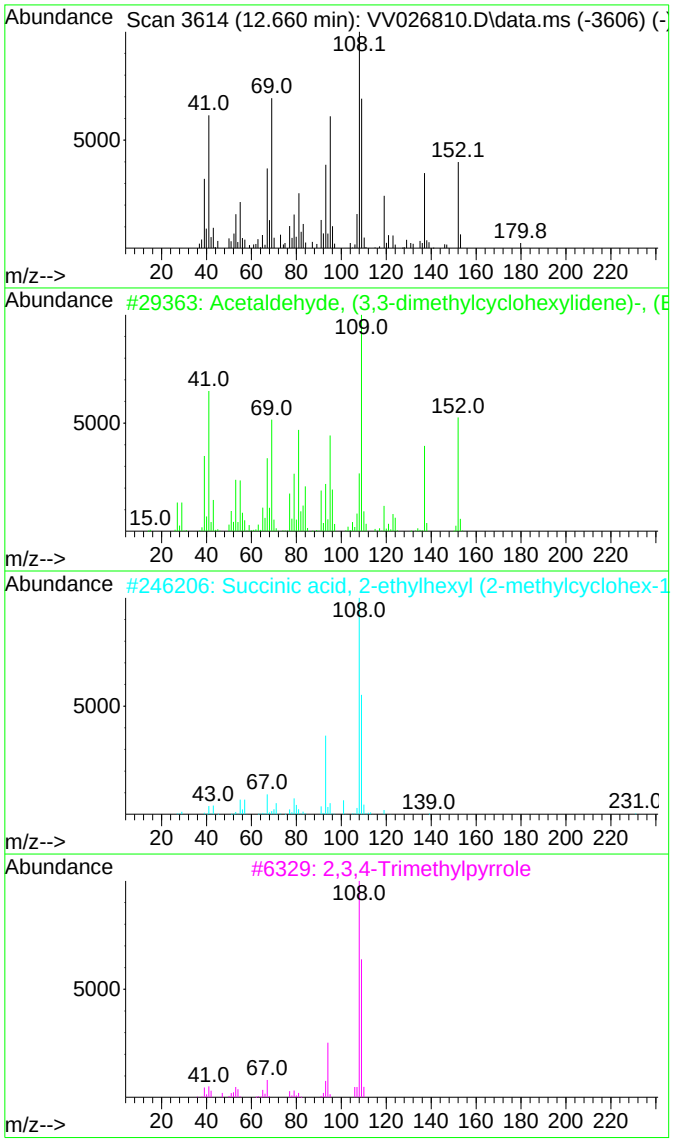
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

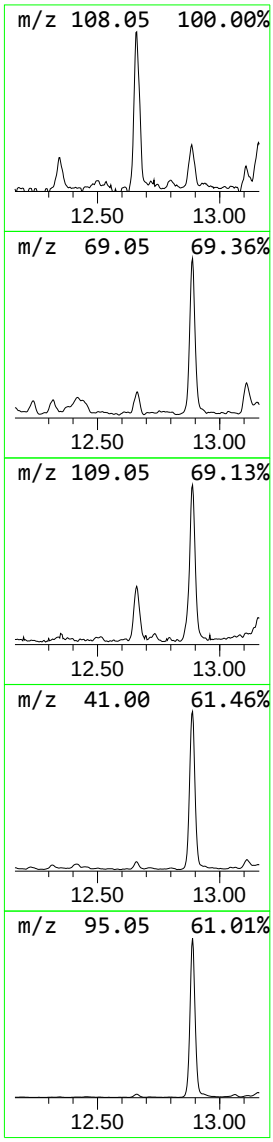
**********

Peak Number 25 unknown-02 Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.661 | 0.60 ug/L | 88418 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetaldehyde, (3,3-dimethylcyclo... | 152 | C10H16O | 026532-25-2 | 45 |
| 2 | Succinic acid, 2-ethylhexyl (2-m... | 338 | C20H34O4 | 1000391-41-9 | 43 |
| 3 | 2,3,4-Trimethylpyrrole | 109 | C7H11N | 003855-78-5 | 35 |
| 4 | Ethanone, 1-(1,4-dimethyl-3-cycl... | 152 | C10H16O | 043219-68-7 | 35 |
| 5 | trans-4a-Methyl-decahydronaphtha... | 152 | C11H20 | 002547-27-5 | 30 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

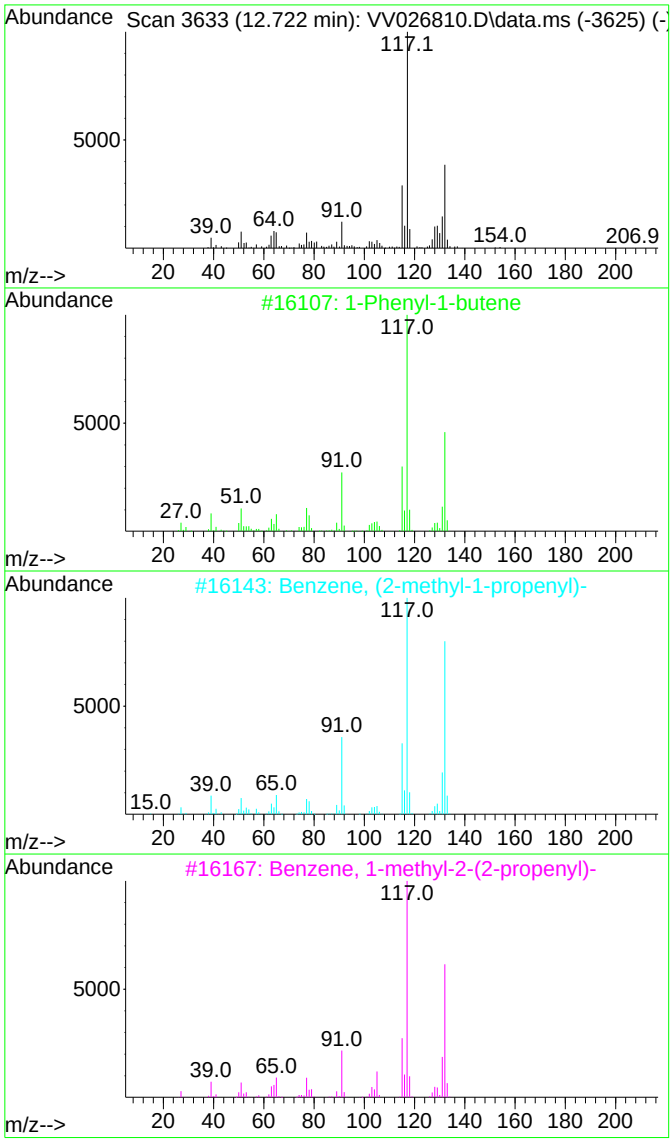
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

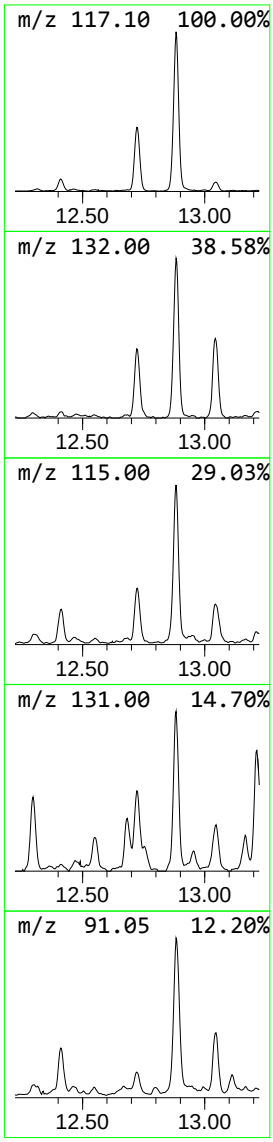
**********

Peak Number 26 1-Phenyl-1-butene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.722 | 1.10 ug/L | 161735 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 2 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 83 |
| 3 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 83 |
| 4 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 83 |
| 5 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 83 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

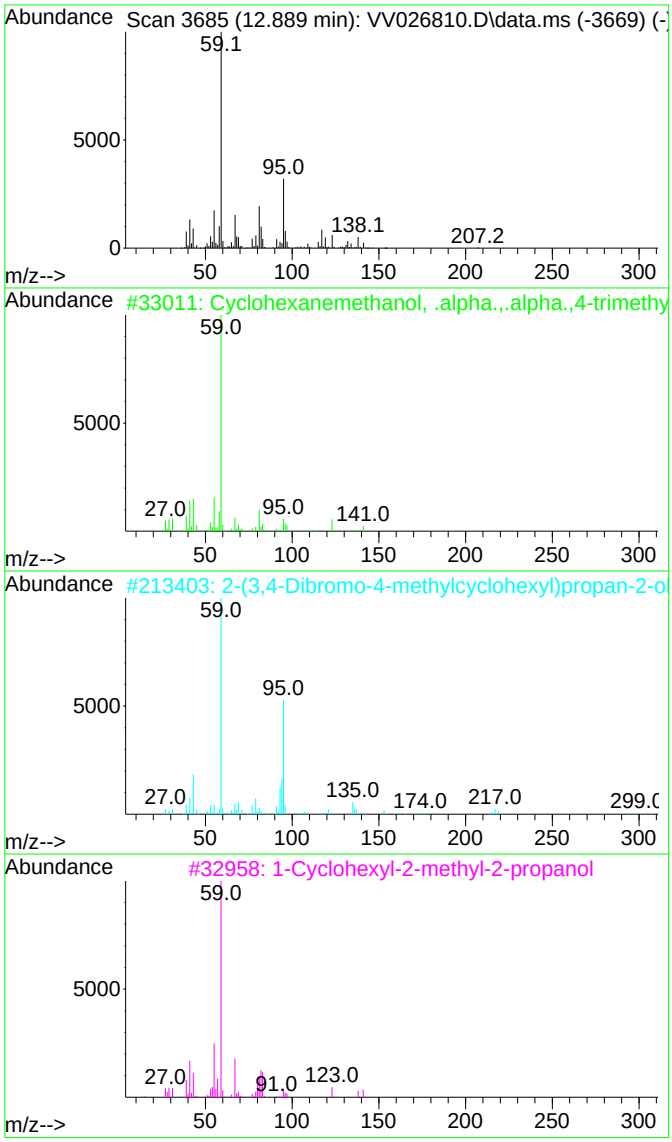
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

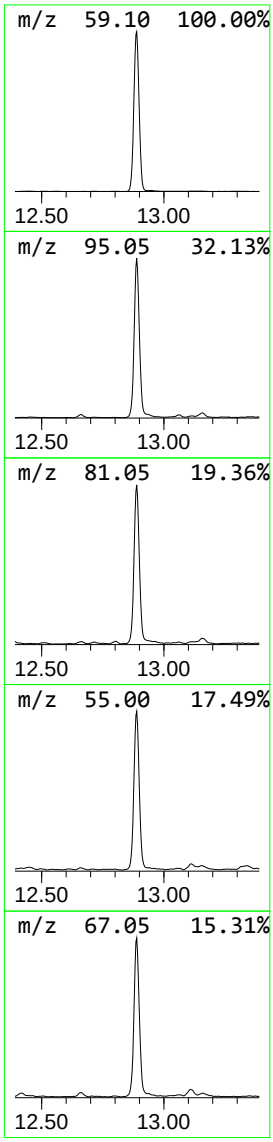
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 Cyclohexanemethanol, .alpha... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.889 | 24.70 ug/L | 3643940 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 000498-81-7 | 53 |
| 2 | 2-(3,4-Dibromo-4-methylcyclohexy... | 312 | C10H18Br2O | 110202-13-6 | 53 |
| 3 | 1-Cyclohexyl-2-methyl-2-propanol | 156 | C10H20O | 005531-30-6 | 45 |
| 4 | Butane, 2-methoxy-3-methyl- | 102 | C6H14O | 062016-49-3 | 43 |
| 5 | 7-Octen-2-ol, 2,6-dimethyl- | 156 | C10H20O | 018479-58-8 | 36 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

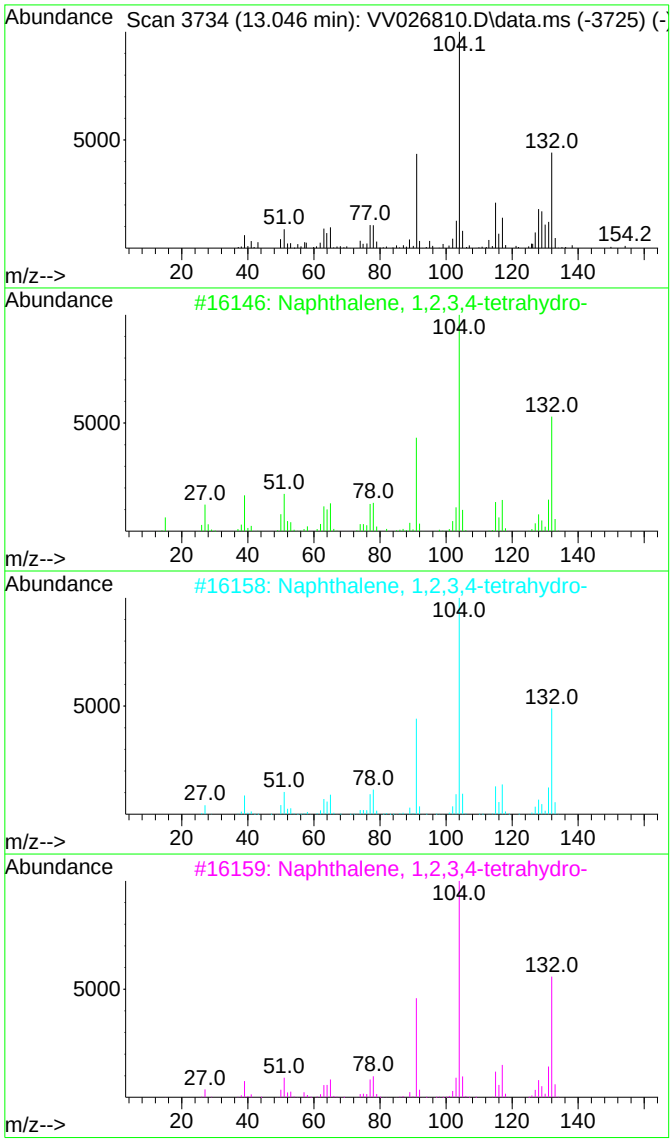
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

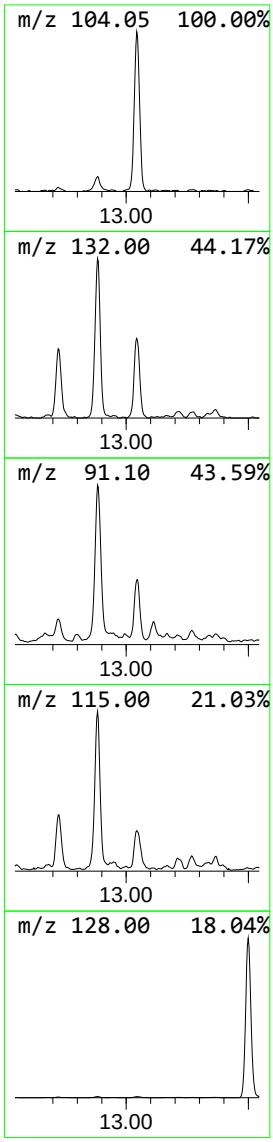
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.046 | 1.28 ug/L | 189274 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 95 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 95 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 95 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 93 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

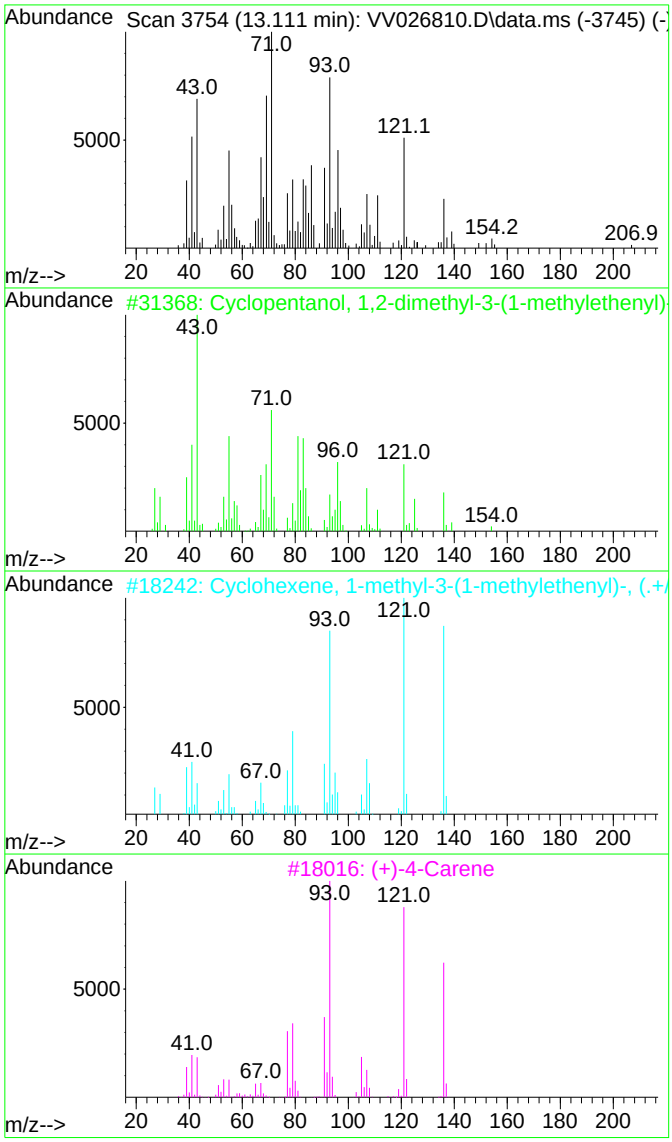
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

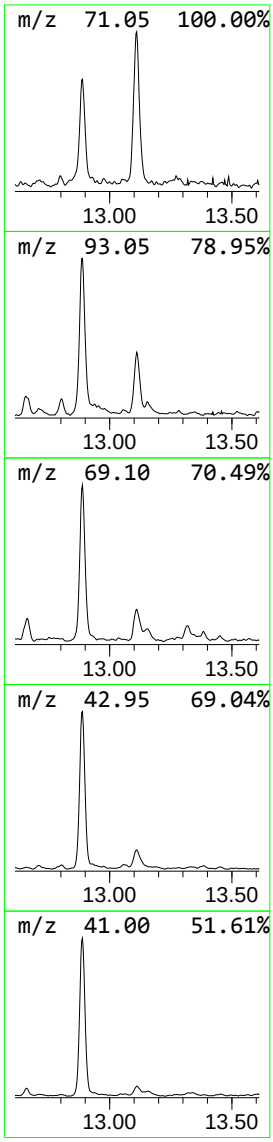
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 29 Cyclopentanol, 1,2-dimethyl... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.111 | 1.30 ug/L | 192274 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentanol, 1,2-dimethyl-3-(1... | 154 | C10H18O | 004028-60-8 | 60 |
| 2 | Cyclohexene, 1-methyl-3-(1-methy... | 136 | C10H16 | 000499-03-6 | 47 |
| 3 | (+)-4-Carene | 136 | C10H16 | 029050-33-7 | 35 |
| 4 | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16 | 000586-62-9 | 35 |
| 5 | 2-Carene | 136 | C10H16 | 000554-61-0 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

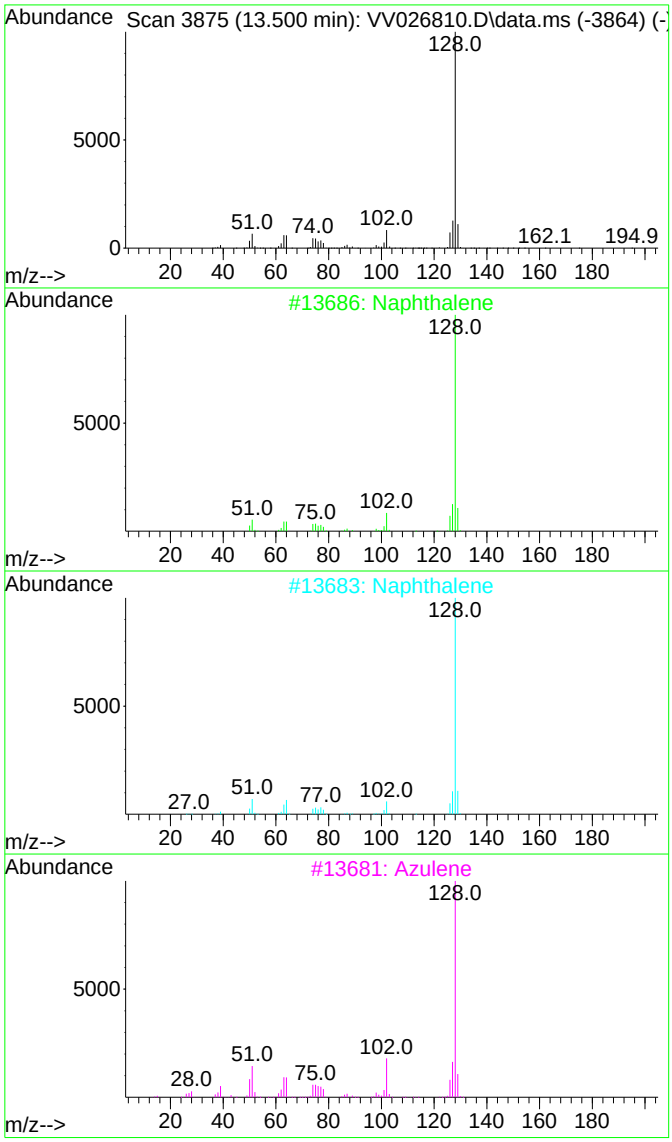
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

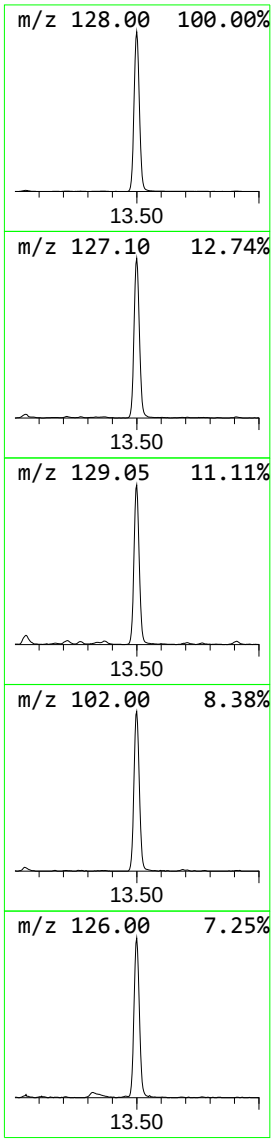
**********

Peak Number 30 Azulene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.500 | 13.24 ug/L | 1953020 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene | 128 | C10H8 | 000091-20-3 | 95 |
| 2 | Naphthalene | 128 | C10H8 | 000091-20-3 | 94 |
| 3 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |
| 4 | Naphthalene | 128 | C10H8 | 000091-20-3 | 91 |
| 5 | Azulene | 128 | C10H8 | 000275-51-4 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

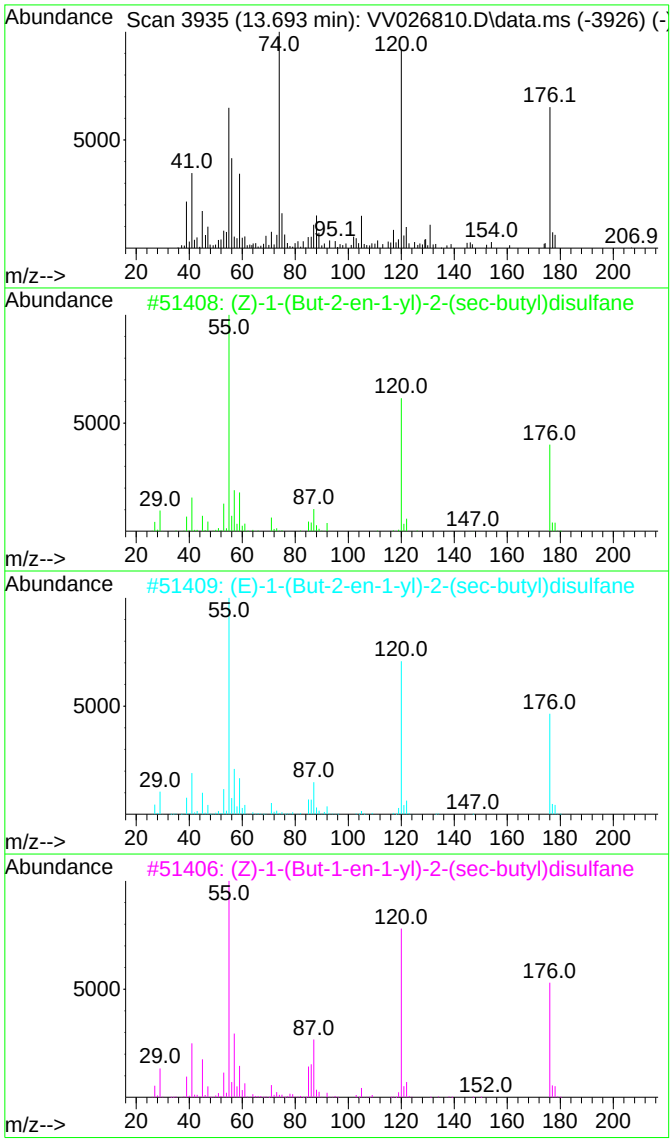
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

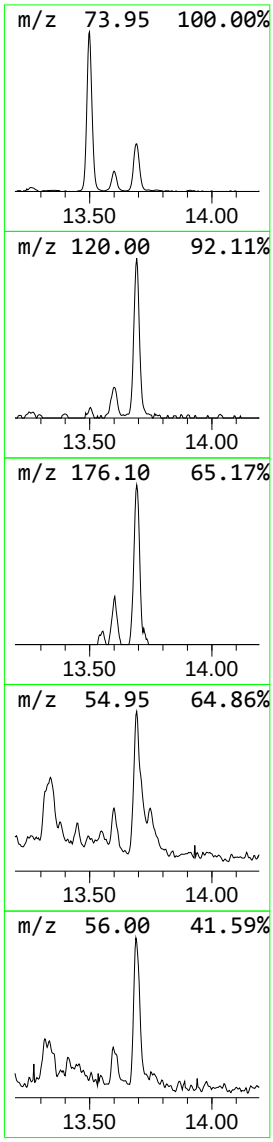
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 31 (Z)-1-(But-2-en-1-yl)-2-(se... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.693 | 1.09 ug/L | 160195 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (Z)-1-(But-2-en-1-yl)-2-(sec-but... | 176 | C8H16S2 | 110690-23-8 | 50 |
| 2 | (E)-1-(But-2-en-1-yl)-2-(sec-but... | 176 | C8H16S2 | 110690-24-9 | 46 |
| 3 | (Z)-1-(But-1-en-1-yl)-2-(sec-but... | 176 | C8H16S2 | 110690-21-6 | 38 |
| 4 | (E)-1-(But-1-en-1-yl)-2-(sec-but... | 176 | C8H16S2 | 110690-22-7 | 35 |
| 5 | 1,3-Dithiane | 120 | C4H8S2 | 000505-23-7 | 22 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

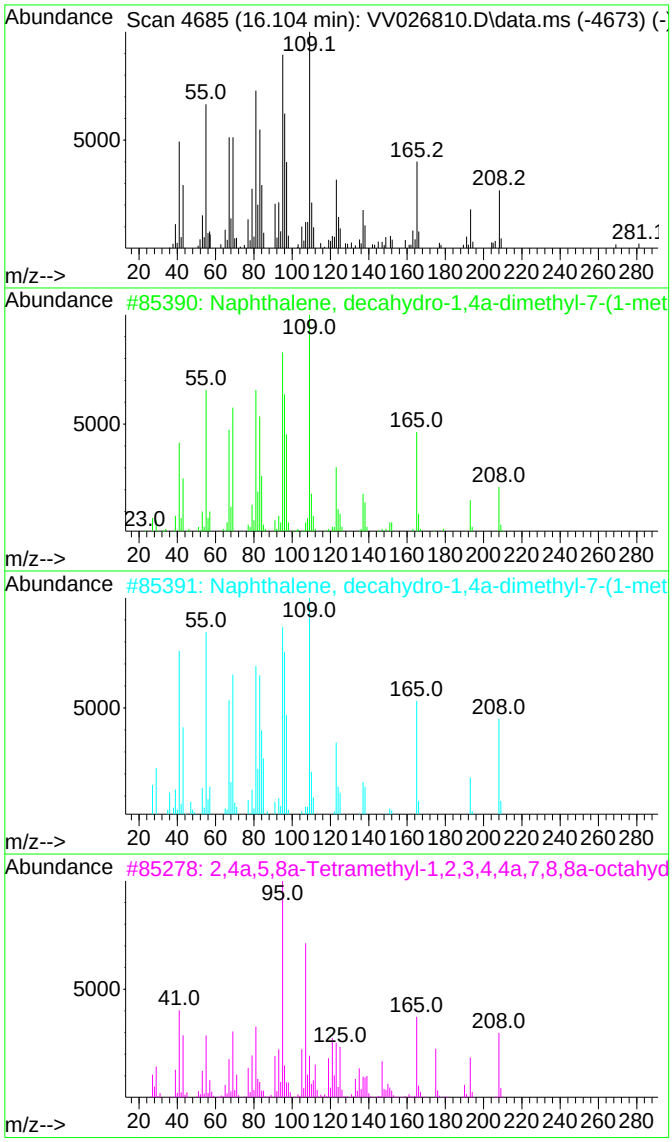
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

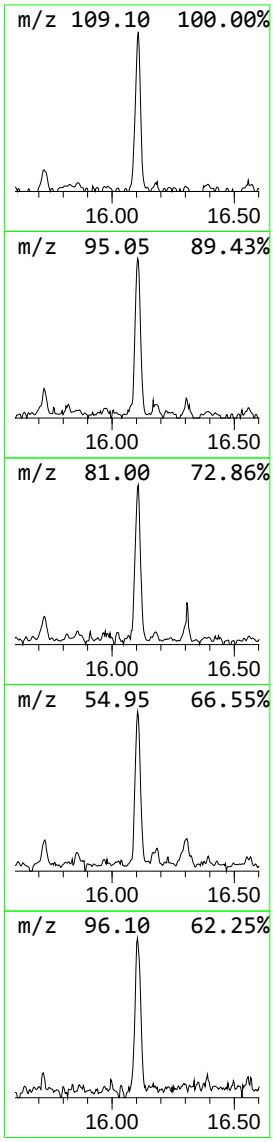
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 34 Naphthalene, decahydro-1,4a... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.104 | 0.91 ug/L | 134231 | 1,4-Dichlorobenzene-d4 | 11.246 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro-1,4a-dime... | 208 | C15H28 | 030824-81-8 | 98 |
| 2 | Naphthalene, decahydro-1,4a-dime... | 208 | C15H28 | 030824-81-8 | 95 |
| 3 | 2,4a,5,8a-Tetramethyl-1,2,3,4,4a... | 208 | C14H24O | 020558-22-9 | 38 |
| 4 | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18 | 004755-33-3 | 30 |
| 5 | Pentylidenecyclohexane | 152 | C11H20 | 039546-79-7 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071822\
Data File : VV026810.D
Acq On : 18 Jul 2022 14:51
Operator : SY/MD
Sample : N3710-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0B08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
Quant Title : TRACE VOA SFAM1.0

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown-01 | 1.375 | 0.6 | ug/L | 53276 | 1 | 5.616 | 470568 | 5.0 |
| Ethane, methoxy- | 1.462 | 2.1 | ug/L | 201821 | 1 | 5.616 | 470568 | 5.0 |
| Ethyl ether | 1.947 | 9.6 | ug/L | 905516 | 1 | 5.616 | 470568 | 5.0 |
| 2-Propanol, 2-m... | 2.622 | 4.9 | ug/L | 459031 | 1 | 5.616 | 470568 | 5.0 |
| Propanal, 2-met... | 2.950 | 0.8 | ug/L | 70589 | 1 | 5.616 | 470568 | 5.0 |
| Diisopropyl ether | 3.288 | 0.5 | ug/L | 50116 | 1 | 5.616 | 470568 | 5.0 |
| Amylene hydrate | 5.198 | 0.9 | ug/L | 86504 | 1 | 5.616 | 470568 | 5.0 |
| Butanal, 3-methyl- | 5.313 | 2.3 | ug/L | 217528 | 1 | 5.616 | 470568 | 5.0 |
| Butanal, 2-methyl- | 5.500 | 0.7 | ug/L | 66754 | 1 | 5.616 | 470568 | 5.0 |
| 2-Pentanone, 4,... | 7.931 | 0.6 | ug/L | 68870 | 2 | 8.854 | 585436 | 5.0 |
| 1,3-Oxathiolane | 8.214 | 1.8 | ug/L | 209758 | 2 | 8.854 | 585436 | 5.0 |
| 3,4-Dimethyl-2-... | 8.725 | 0.7 | ug/L | 76359 | 2 | 8.854 | 585436 | 5.0 |
| Benzene, propyl- | 10.352 | 2.7 | ug/L | 394033 | 3 | 11.246 | 737702 | 5.0 |
| Benzene, 1-ethy... | 10.738 | 1.0 | ug/L | 152048 | 3 | 11.246 | 737702 | 5.0 |
| 7-Oxabicyclo[2.... | 11.085 | 3.8 | ug/L | 559387 | 3 | 11.246 | 737702 | 5.0 |
| Benzene, 1,2,3-... | 11.333 | 1.7 | ug/L | 251084 | 3 | 11.246 | 737702 | 5.0 |
| (DEL) Alkane: C... | 11.394 | 0.5 | ug/L | 78548 | 3 | 11.246 | 737702 | 5.0 |
| Indane | 11.525 | 6.0 | ug/L | 892618 | 3 | 11.246 | 737702 | 5.0 |
| Benzene, 1-meth... | 11.818 | 0.6 | ug/L | 89420 | 3 | 11.246 | 737702 | 5.0 |
| o-Cymene | 12.014 | 2.9 | ug/L | 425661 | 3 | 11.246 | 737702 | 5.0 |
| Benzene, 1-ethe... | 12.114 | 2.2 | ug/L | 322237 | 3 | 11.246 | 737702 | 5.0 |
| 1,3-Cyclopentad... | 12.313 | 0.6 | ug/L | 81115 | 3 | 11.246 | 737702 | 5.0 |
| Benzene, 1,2,4,... | 12.410 | 1.5 | ug/L | 225618 | 3 | 11.246 | 737702 | 5.0 |
| unknown-02 | 12.661 | 0.6 | ug/L | 88418 | 3 | 11.246 | 737702 | 5.0 |
| 1-Phenyl-1-butene | 12.722 | 1.1 | ug/L | 161735 | 3 | 11.246 | 737702 | 5.0 |
| Cyclohexanemeth... | 12.889 | 24.7 | ug/L | 3643940 | 3 | 11.246 | 737702 | 5.0 |
| Naphthalene, 1,... | 13.046 | 1.3 | ug/L | 189274 | 3 | 11.246 | 737702 | 5.0 |
| Cyclopentanol, ... | 13.111 | 1.3 | ug/L | 192274 | 3 | 11.246 | 737702 | 5.0 |
| Azulene | 13.500 | 13.2 | ug/L | 1953020 | 3 | 11.246 | 737702 | 5.0 |
| (Z)-1-(But-2-en... | 13.693 | 1.1 | ug/L | 160195 | 3 | 11.246 | 737702 | 5.0 |
| Naphthalene, de... | 16.104 | 0.9 | ug/L | 134231 | 3 | 11.246 | 737702 | 5.0 |