

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
 Data File : VL042249.D  
 Acq On : 08 Apr 2025 00:46  
 Operator : SY/MD  
 Sample : Q1725-07  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SSSG-B10-1-03312025-SPLIT

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 3

Min Area: 3 % of largest Peak

Start Thrs: 0.001

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

Signal : TIC: VL042249.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.434       | 412           | 416         | 418          | rBV      | 4486978        | 3373918       | 100.00%         | 14.250%       |
| 2         | 1.444       | 418           | 419         | 423          | rVB3     | 4212355        | 2026291       | 60.06%          | 8.558%        |
| 3         | 1.496       | 431           | 435         | 437          | rBV      | 240051         | 106170        | 3.15%           | 0.448%        |
| 4         | 1.567       | 453           | 457         | 464          | rVB      | 441574         | 245078        | 7.26%           | 1.035%        |
| 5         | 1.612       | 466           | 471         | 474          | rVV      | 342644         | 202008        | 5.99%           | 0.853%        |
| 6         | 1.632       | 474           | 477         | 481          | rVB      | 130427         | 68573         | 2.03%           | 0.290%        |
| 7         | 1.732       | 504           | 508         | 515          | rBV      | 728075         | 425600        | 12.61%          | 1.797%        |
| 8         | 1.845       | 539           | 543         | 552          | rVB      | 1765109        | 1267337       | 37.56%          | 5.353%        |
| 9         | 1.897       | 552           | 559         | 564          | rBV      | 640910         | 466815        | 13.84%          | 1.972%        |
| 10        | 1.978       | 579           | 584         | 589          | rVB      | 77009          | 56416         | 1.67%           | 0.238%        |
| 11        | 2.056       | 604           | 608         | 611          | rBV      | 78011          | 65567         | 1.94%           | 0.277%        |
| 12        | 2.075       | 611           | 614         | 619          | rVB      | 84602          | 61409         | 1.82%           | 0.259%        |
| 13        | 2.467       | 726           | 735         | 738          | rBV4     | 36597          | 50644         | 1.50%           | 0.214%        |
| 14        | 2.493       | 738           | 743         | 749          | rVB      | 123318         | 117389        | 3.48%           | 0.496%        |
| 15        | 2.577       | 764           | 769         | 780          | rVB      | 88857          | 90589         | 2.68%           | 0.383%        |
| 16        | 2.645       | 780           | 790         | 798          | rVB2     | 85877          | 97359         | 2.89%           | 0.411%        |
| 17        | 2.807       | 832           | 840         | 847          | rBV      | 718916         | 747553        | 22.16%          | 3.157%        |
| 18        | 2.849       | 847           | 853         | 855          | rVV      | 146296         | 154505        | 4.58%           | 0.653%        |
| 19        | 2.868       | 855           | 859         | 867          | rVB2     | 248249         | 275835        | 8.18%           | 1.165%        |
| 20        | 3.256       | 968           | 979         | 988          | rBV3     | 59607          | 83892         | 2.49%           | 0.354%        |
| 21        | 3.680       | 1099          | 1110        | 1118         | rBV2     | 42242          | 65546         | 1.94%           | 0.277%        |
| 22        | 3.723       | 1118          | 1123        | 1134         | rVB3     | 33595          | 50474         | 1.50%           | 0.213%        |
| 23        | 3.988       | 1193          | 1205        | 1219         | rBV      | 873321         | 1356795       | 40.21%          | 5.730%        |
| 24        | 4.085       | 1222          | 1235        | 1244         | rVV2     | 79774          | 156754        | 4.65%           | 0.662%        |
| 25        | 4.127       | 1244          | 1248        | 1262         | rVB5     | 31384          | 49448         | 1.47%           | 0.209%        |
| 26        | 4.305       | 1289          | 1303        | 1315         | rBV5     | 83492          | 167726        | 4.97%           | 0.708%        |
| 27        | 4.677       | 1409          | 1418        | 1431         | rVB3     | 36104          | 75571         | 2.24%           | 0.319%        |
| 28        | 5.020       | 1510          | 1524        | 1538         | rBV2     | 50650          | 110435        | 3.27%           | 0.466%        |
| 29        | 5.713       | 1726          | 1738        | 1752         | rVB9     | 29487          | 78664         | 2.33%           | 0.332%        |
| 30        | 6.972       | 2110          | 2127        | 2143         | rBV      | 379540         | 735422        | 21.80%          | 3.106%        |
| 31        | 7.412       | 2250          | 2263        | 2272         | rBV5     | 37475          | 82526         | 2.45%           | 0.349%        |
| 32        | 7.629       | 2319          | 2330        | 2336         | rBV6     | 47478          | 93290         | 2.77%           | 0.394%        |
| 33        | 7.726       | 2349          | 2360        | 2371         | rVB5     | 50761          | 91626         | 2.72%           | 0.387%        |
| 34        | 8.254       | 2512          | 2523        | 2533         | rBV4     | 87851          | 147562        | 4.37%           | 0.623%        |
| 35        | 8.328       | 2540          | 2546        | 2563         | rVB5     | 57078          | 114162        | 3.38%           | 0.482%        |
| 36        | 8.911       | 2711          | 2726        | 2736         | rBV      | 1161602        | 1662108       | 49.26%          | 7.020%        |

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 Sample : Q1725-07  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SSSG-B10-1-03312025-SPLIT

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 3

Min Area: 3 % of largest Peak

Start Thrs: 0.001

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 8.966  | 2736 | 2743 | 2750 | rVB3 | 46950   | 64760   | 1.92%  | 0.274% |
| 38 | 9.173  | 2797 | 2807 | 2820 | rBV4 | 40076   | 72100   | 2.14%  | 0.305% |
| 39 | 9.383  | 2862 | 2872 | 2885 | rBV  | 134223  | 199868  | 5.92%  | 0.844% |
| 40 | 9.558  | 2915 | 2926 | 2944 | rBV2 | 470048  | 846828  | 25.10% | 3.577% |
| 41 | 9.746  | 2972 | 2984 | 2985 | rBV6 | 33062   | 44044   | 1.31%  | 0.186% |
| 42 | 9.759  | 2985 | 2988 | 3000 | rVB3 | 38152   | 44495   | 1.32%  | 0.188% |
| 43 | 9.882  | 3014 | 3026 | 3037 | rVB3 | 38649   | 63567   | 1.88%  | 0.268% |
| 44 | 9.992  | 3047 | 3060 | 3074 | rBV2 | 278248  | 404653  | 11.99% | 1.709% |
| 45 | 10.400 | 3169 | 3186 | 3197 | rBV  | 1557839 | 1842098 | 54.60% | 7.780% |
| 46 | 10.830 | 3312 | 3319 | 3325 | rBV5 | 35355   | 47032   | 1.39%  | 0.199% |
| 47 | 10.879 | 3328 | 3334 | 3343 | rVB5 | 47064   | 61034   | 1.81%  | 0.258% |
| 48 | 11.008 | 3366 | 3374 | 3389 | rVB  | 59290   | 83459   | 2.47%  | 0.352% |
| 49 | 11.118 | 3399 | 3408 | 3413 | rBV  | 211456  | 235255  | 6.97%  | 0.994% |
| 50 | 11.144 | 3413 | 3416 | 3424 | rVB2 | 95405   | 98880   | 2.93%  | 0.418% |
| 51 | 11.225 | 3431 | 3441 | 3449 | rVB2 | 97470   | 113775  | 3.37%  | 0.481% |
| 52 | 11.361 | 3477 | 3483 | 3489 | rVB2 | 79099   | 86935   | 2.58%  | 0.367% |
| 53 | 11.555 | 3532 | 3543 | 3554 | rBV  | 431244  | 525438  | 15.57% | 2.219% |
| 54 | 11.626 | 3556 | 3565 | 3574 | rVB4 | 43678   | 58886   | 1.75%  | 0.249% |
| 55 | 11.775 | 3604 | 3611 | 3614 | rBV6 | 36956   | 50669   | 1.50%  | 0.214% |
| 56 | 11.791 | 3614 | 3616 | 3624 | rVB4 | 59723   | 55627   | 1.65%  | 0.235% |
| 57 | 11.898 | 3641 | 3649 | 3657 | rBV2 | 72306   | 78535   | 2.33%  | 0.332% |
| 58 | 12.063 | 3695 | 3700 | 3708 | rVB4 | 83101   | 85690   | 2.54%  | 0.362% |
| 59 | 12.248 | 3750 | 3757 | 3761 | rBV  | 265056  | 286190  | 8.48%  | 1.209% |
| 60 | 12.270 | 3761 | 3764 | 3774 | rVV2 | 153338  | 203023  | 6.02%  | 0.857% |
| 61 | 12.313 | 3774 | 3777 | 3789 | rVB3 | 40389   | 49417   | 1.46%  | 0.209% |
| 62 | 12.458 | 3815 | 3822 | 3837 | rVB2 | 98225   | 147007  | 4.36%  | 0.621% |
| 63 | 12.529 | 3837 | 3844 | 3851 | rBV4 | 66968   | 96220   | 2.85%  | 0.406% |
| 64 | 12.607 | 3862 | 3868 | 3878 | rVB3 | 38273   | 52495   | 1.56%  | 0.222% |
| 65 | 12.691 | 3880 | 3894 | 3901 | rBV  | 388158  | 464048  | 13.75% | 1.960% |
| 66 | 13.403 | 4103 | 4114 | 4123 | rBV  | 2052236 | 2131212 | 63.17% | 9.001% |
| 67 | 15.258 | 4678 | 4687 | 4695 | rBV4 | 51622   | 63078   | 1.87%  | 0.266% |

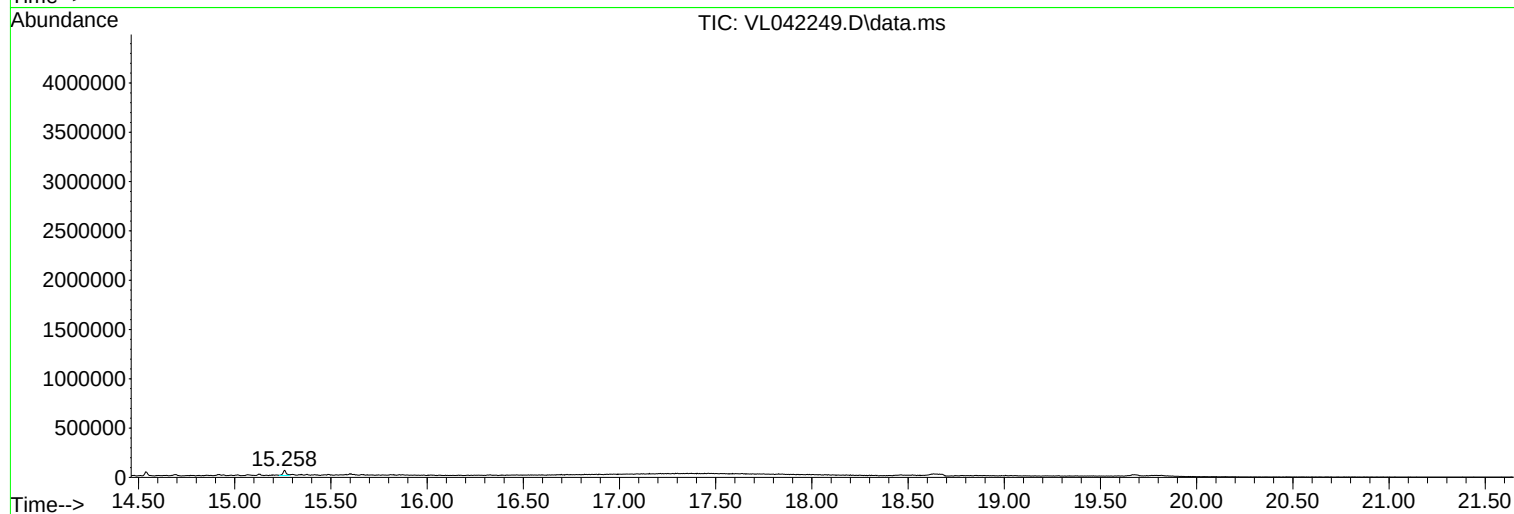
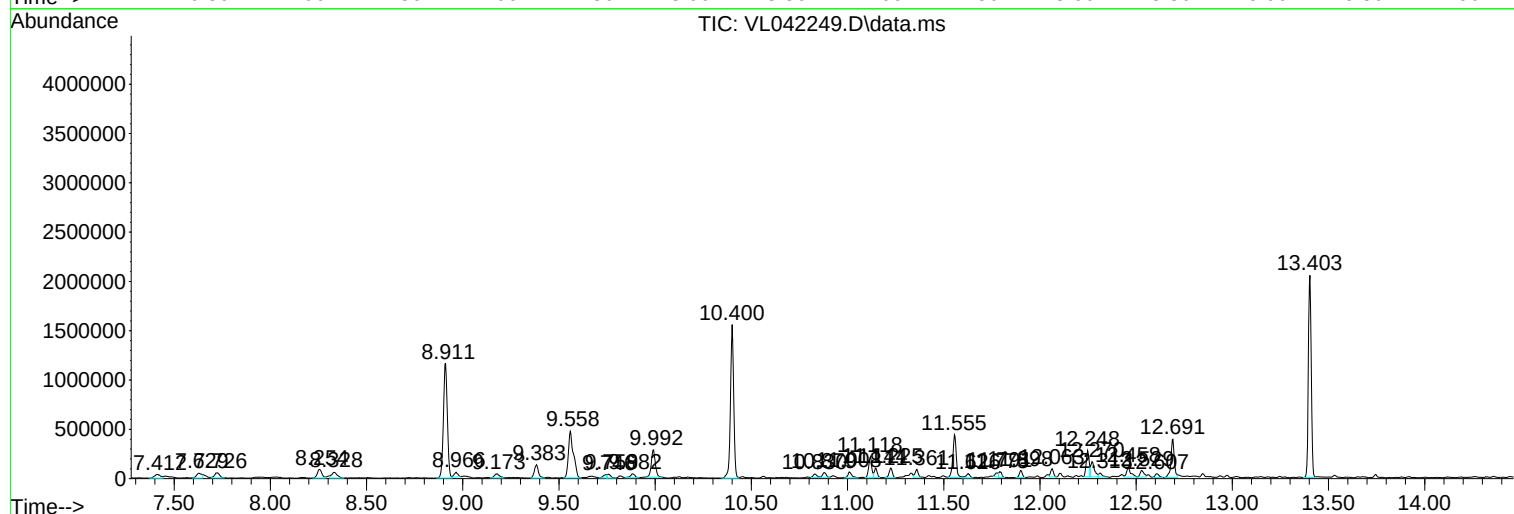
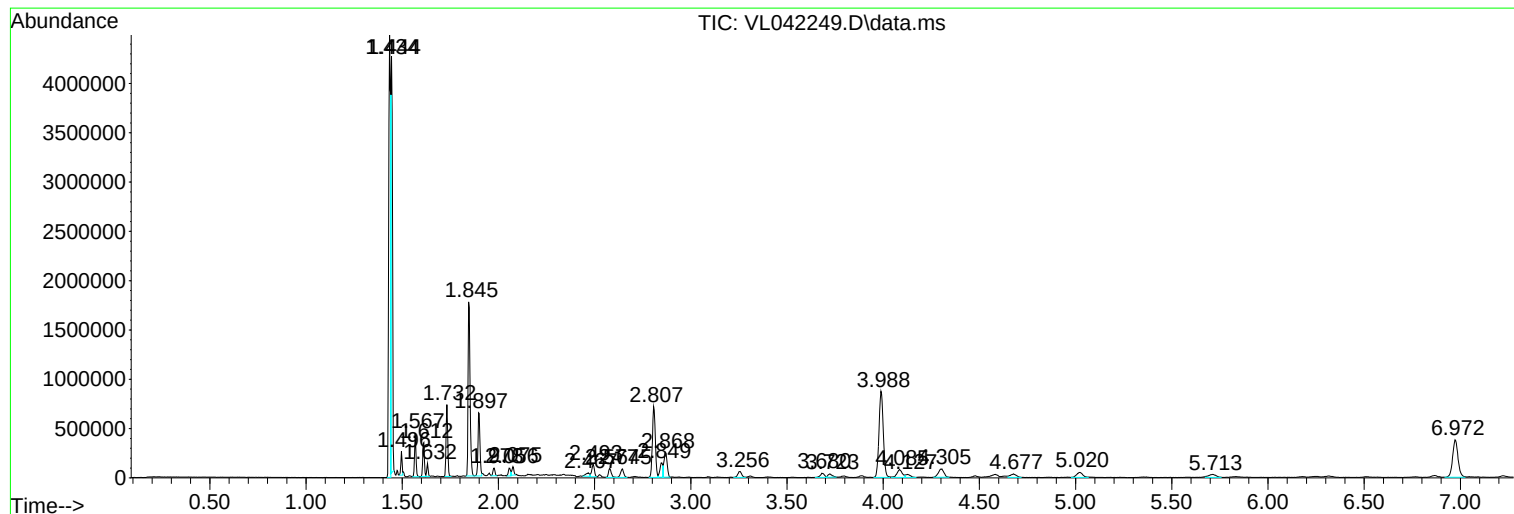
Sum of corrected areas: 23677375

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
Data File : VL042249.D  
Acq On : 08 Apr 2025 00:46  
Operator : SY/MD  
Sample : Q1725-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
Data File : VL042249.D  
Acq On : 08 Apr 2025 00:46  
Operator : SY/MD  
Sample : Q1725-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

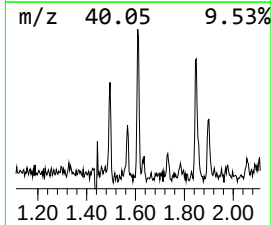
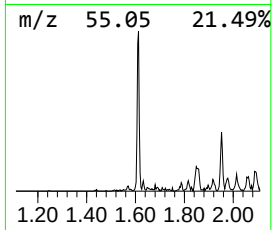
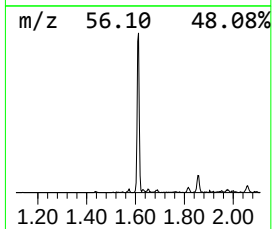
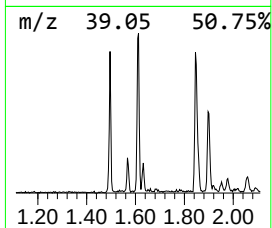
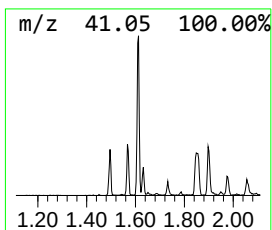
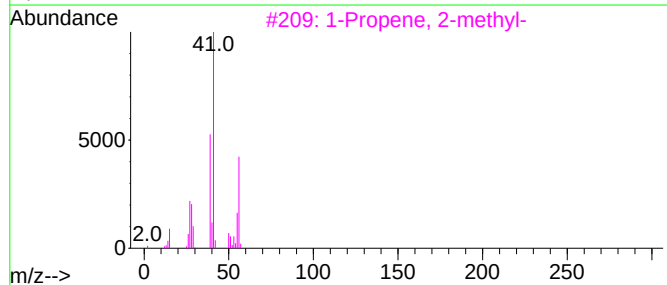
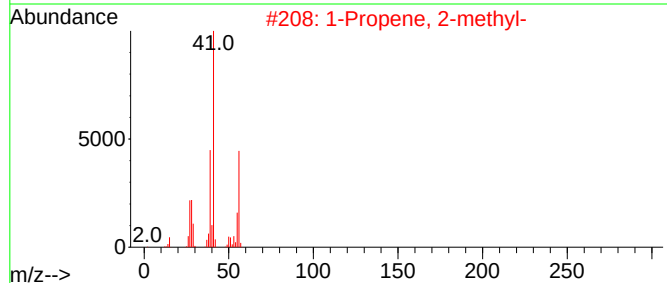
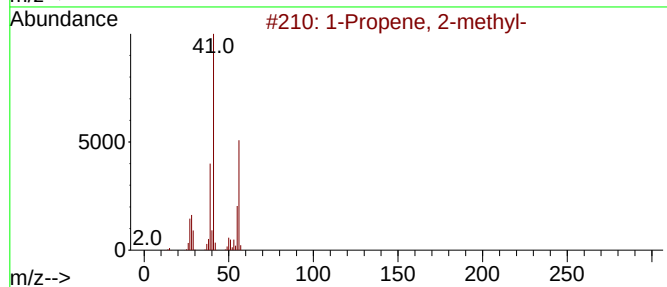
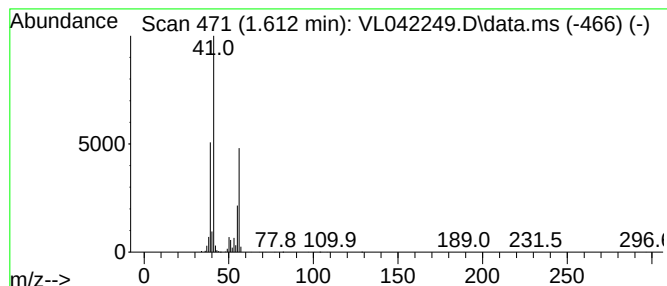
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

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

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Peak Number 3 1-Propene, 2-methyl- Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD   | R.T.  |
|-------|-----------|--------|--------------------|-------|
| 1.612 | 2.70 ppbv | 202008 | Bromochloromethane | 2.807 |

| Hit# | of 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|------|----------------------|----|---------|-------------|------|
| 1    |      | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 90   |
| 2    |      | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 83   |
| 3    |      | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 72   |
| 4    |      | 2-Butene             | 56 | C4H8    | 000107-01-7 | 72   |
| 5    |      | Cyclobutane          | 56 | C4H8    | 000287-23-0 | 49   |



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Sample : Q1725-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

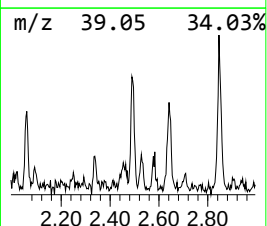
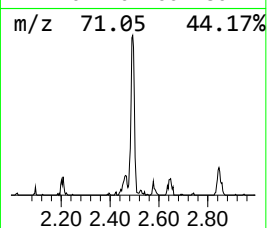
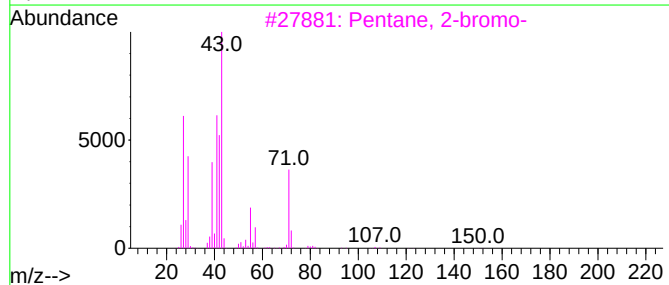
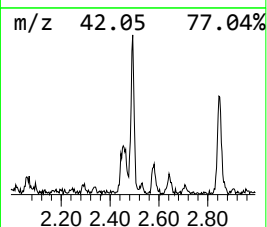
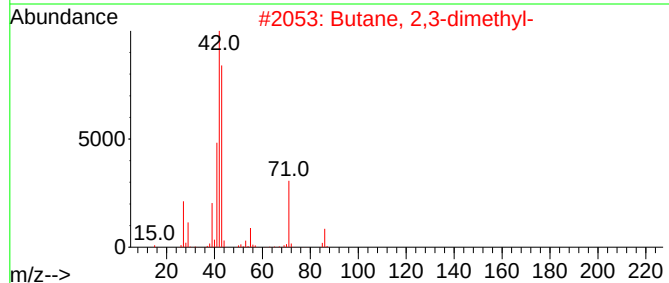
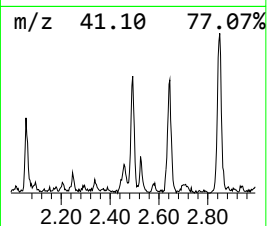
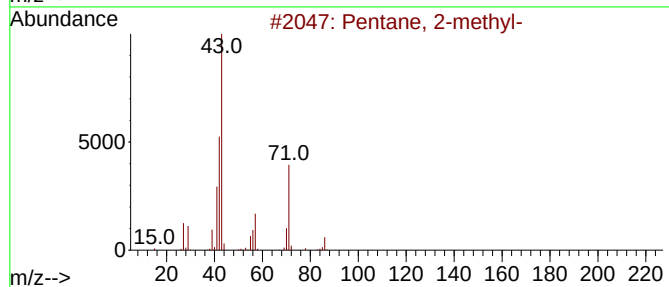
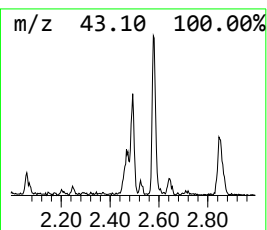
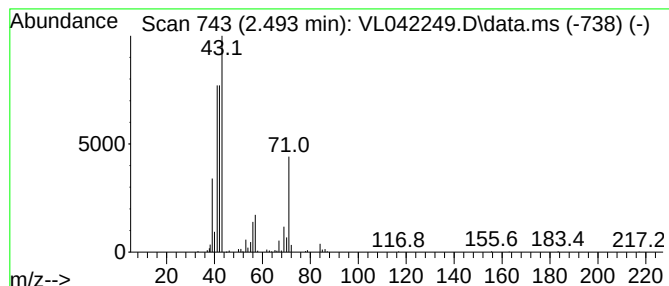
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

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

\*\*\*\*\*  
Peak Number 4 Pentane, 2-methyl- Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD   | R.T.  |
|-------|-----------|--------|--------------------|-------|
| 2.493 | 1.57 ppbv | 117389 | Bromochloromethane | 2.807 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2-methyl-    | 86  | C6H14   | 000107-83-5 | 64   |
| 2    |    |   | Butane, 2,3-dimethyl- | 86  | C6H14   | 000079-29-8 | 53   |
| 3    |    |   | Pentane, 2-bromo-     | 150 | C5H11Br | 000107-81-3 | 40   |
| 4    |    |   | Pentane, 2-methyl-    | 86  | C6H14   | 000107-83-5 | 39   |
| 5    |    |   | Pentane, 2-methyl-    | 86  | C6H14   | 000107-83-5 | 39   |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

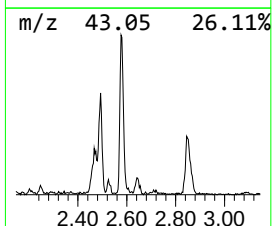
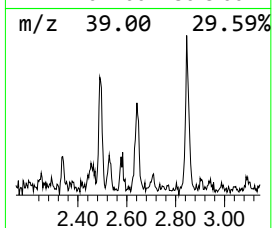
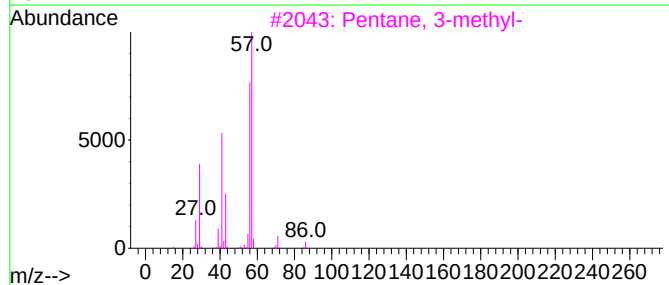
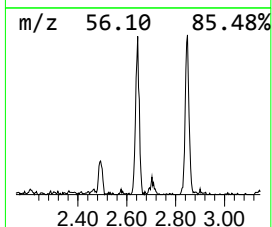
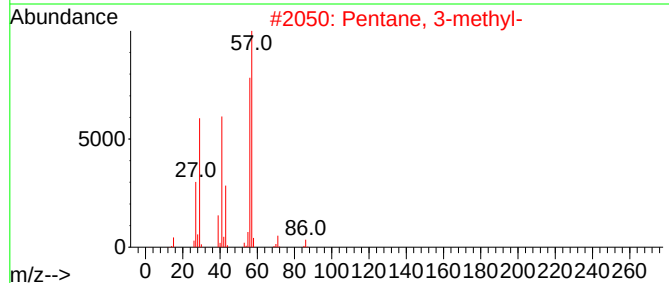
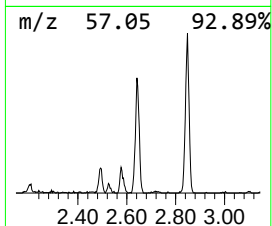
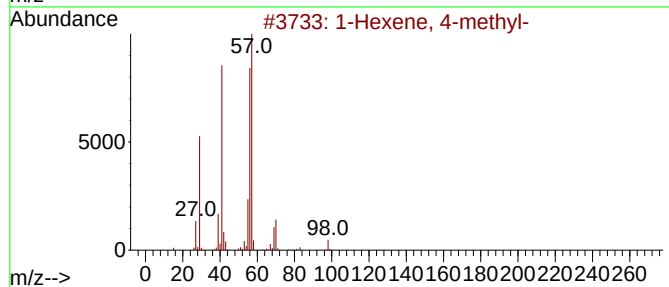
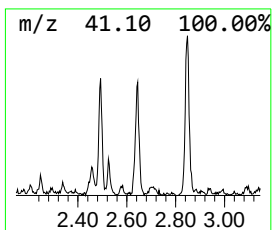
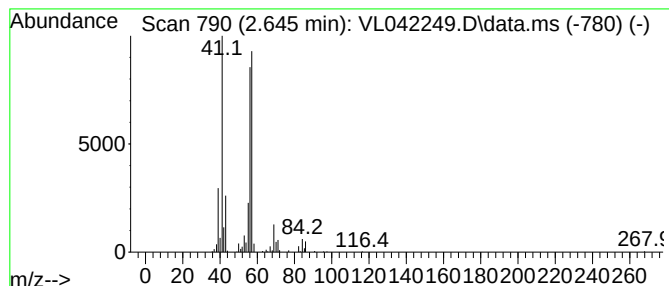
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

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

\*\*\*\*\*  
Peak Number 5 1-Hexene, 4-methyl- Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 2.645 | 1.30 ppbv | 97359 | Bromochloromethane | 2.807 |

| Hit# | of | 5 | Tentative ID        | MW | MolForm | CAS#        | Qual |
|------|----|---|---------------------|----|---------|-------------|------|
| 1    |    |   | 1-Hexene, 4-methyl- | 98 | C7H14   | 003769-23-1 | 64   |
| 2    |    |   | Pentane, 3-methyl-  | 86 | C6H14   | 000096-14-0 | 59   |
| 3    |    |   | Pentane, 3-methyl-  | 86 | C6H14   | 000096-14-0 | 59   |
| 4    |    |   | Pentane, 3-methyl-  | 86 | C6H14   | 000096-14-0 | 59   |
| 5    |    |   | 1-Hexene, 4-methyl- | 98 | C7H14   | 003769-23-1 | 56   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
Data File : VL042249.D  
Acq On : 08 Apr 2025 00:46  
Operator : SY/MD  
Sample : Q1725-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

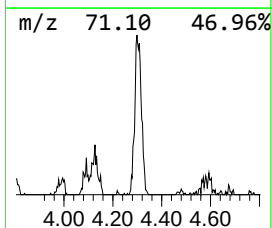
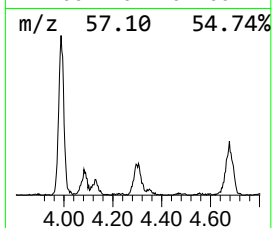
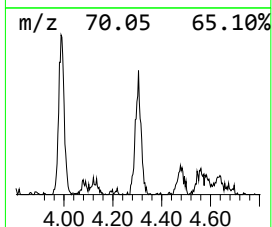
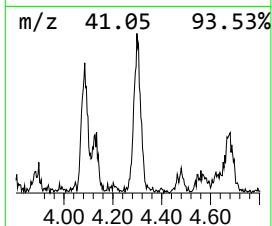
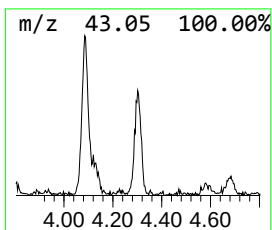
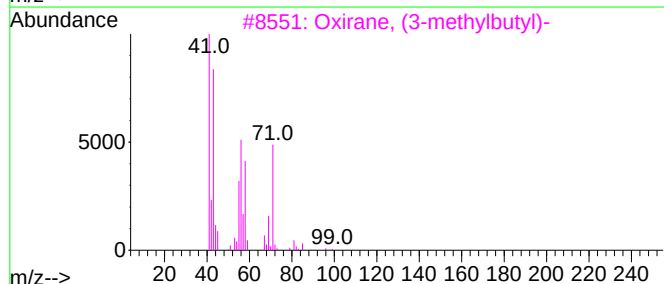
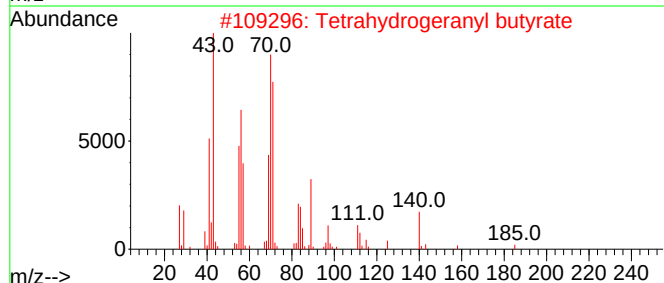
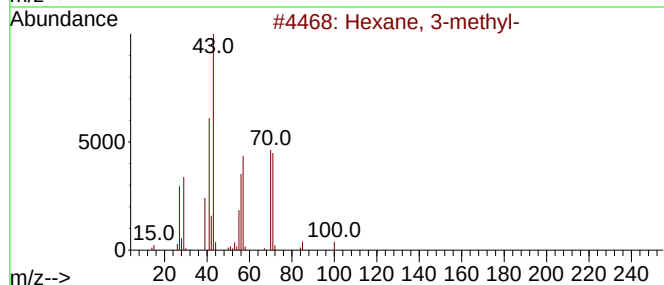
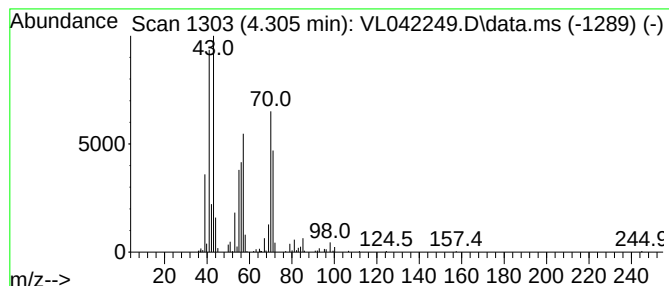
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

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

\*\*\*\*\*  
Peak Number 6 Hexane, 3-methyl- Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 4.305 | 1.24 ppbv | 167726 | 1,4-Difluorobenzene | 3.988 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#         | Qual |
|------|----|---|----------------------------|-----|----------|--------------|------|
| 1    |    |   | Hexane, 3-methyl-          | 100 | C7H16    | 000589-34-4  | 72   |
| 2    |    |   | Tetrahydrogeranyl butyrate | 228 | C14H28O2 | 1000428-75-4 | 59   |
| 3    |    |   | Oxirane, (3-methylbutyl)-  | 114 | C7H14O   | 053229-41-7  | 53   |
| 4    |    |   | 1-Heptene, 4-methyl-       | 112 | C8H16    | 013151-05-8  | 50   |
| 5    |    |   | Hexane, 3-ethyl-4-methyl-  | 128 | C9H20    | 003074-77-9  | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
Data File : VL042249.D  
Acq On : 08 Apr 2025 00:46  
Operator : SY/MD  
Sample : Q1725-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

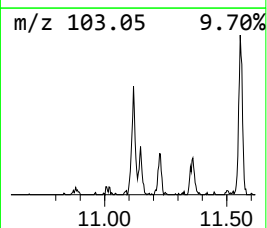
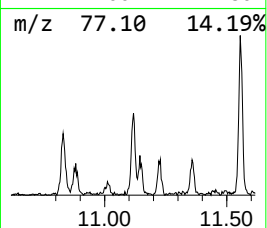
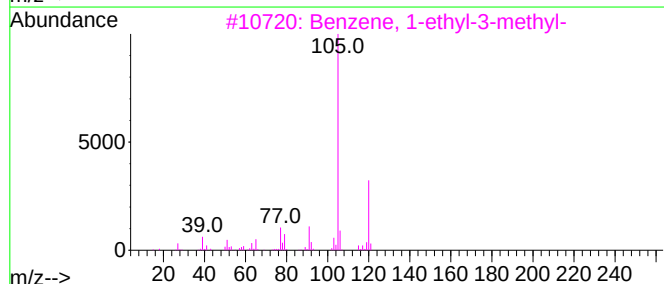
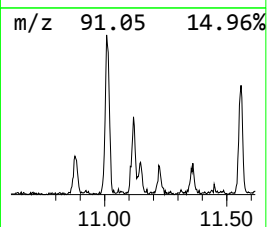
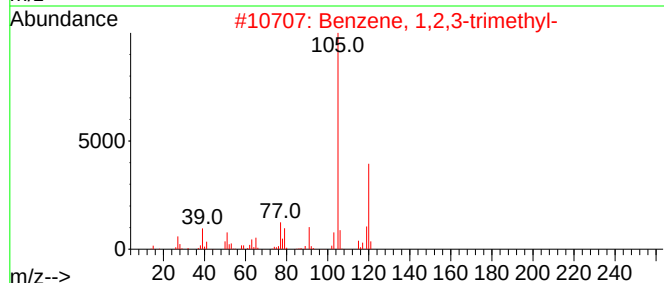
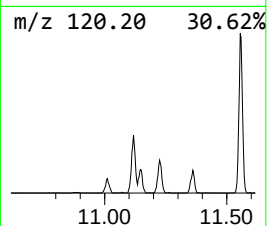
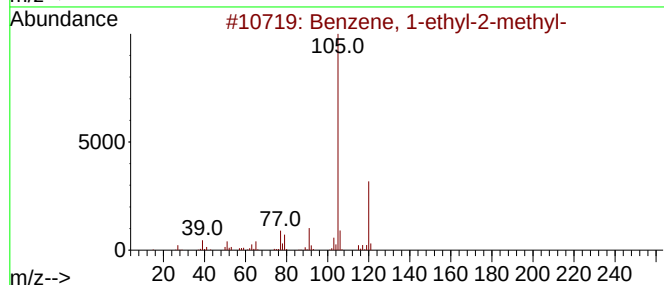
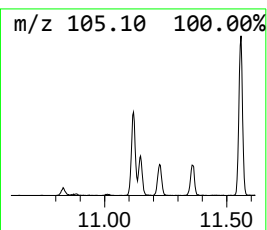
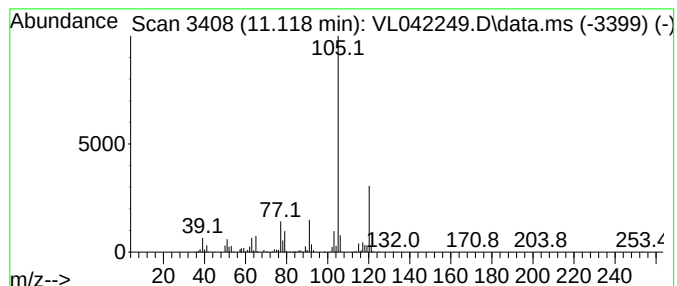
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

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

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Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.  |
|--------|-----------|--------|------------------|-------|
| 11.118 | 1.42 ppbv | 235255 | Chlorobenzene-d5 | 8.908 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 4    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 91   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
Data File : VL042249.D  
Acq On : 08 Apr 2025 00:46  
Operator : SY/MD  
Sample : Q1725-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

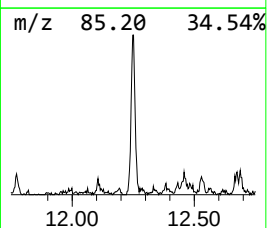
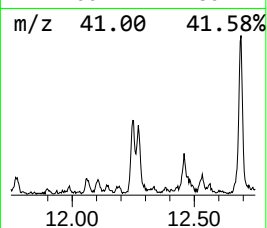
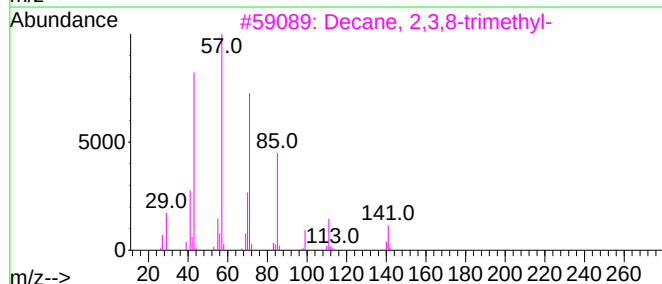
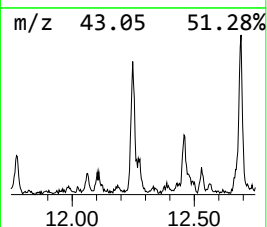
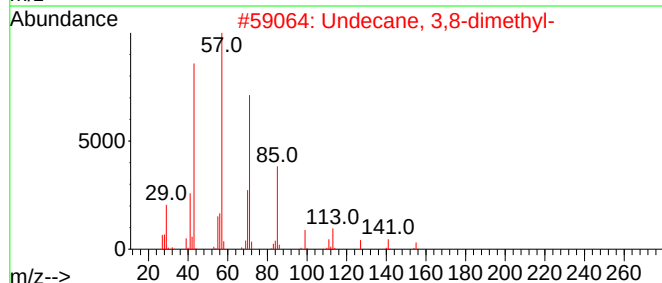
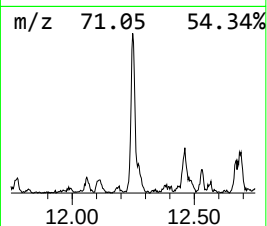
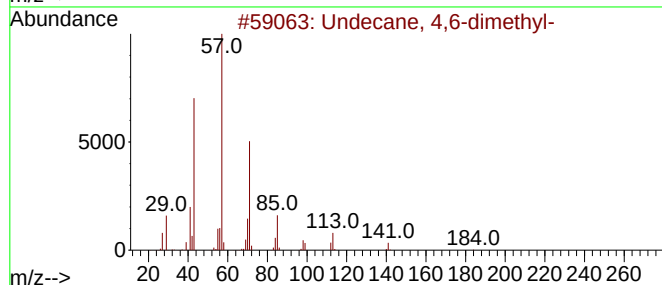
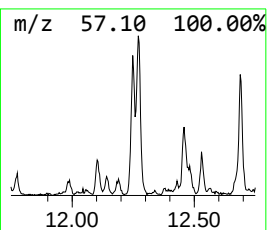
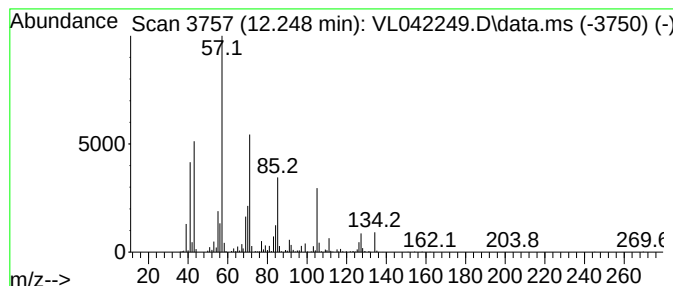
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

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

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Peak Number 8 Undecane, 4,6-dimethyl- Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.  |
|--------|-----------|--------|------------------|-------|
| 12.248 | 1.72 ppbv | 286190 | Chlorobenzene-d5 | 8.908 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 4,6-dimethyl-  | 184 | C13H28  | 017312-82-2 | 50   |
| 2    |    |   | Undecane, 3,8-dimethyl-  | 184 | C13H28  | 017301-30-3 | 47   |
| 3    |    |   | Decane, 2,3,8-trimethyl- | 184 | C13H28  | 062238-14-6 | 47   |
| 4    |    |   | Undecane, 5,7-dimethyl-  | 184 | C13H28  | 017312-83-3 | 47   |
| 5    |    |   | 3-Ethyl-3-methylheptane  | 142 | C10H22  | 017302-01-1 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
Data File : VL042249.D  
Acq On : 08 Apr 2025 00:46  
Operator : SY/MD  
Sample : Q1725-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

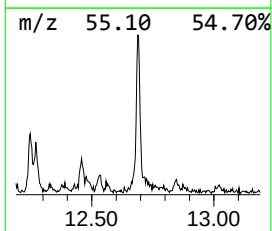
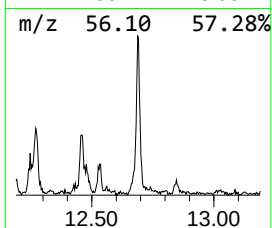
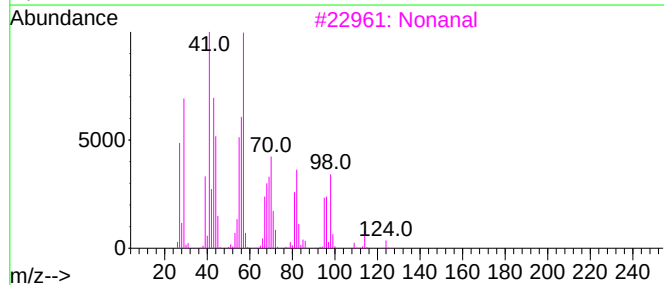
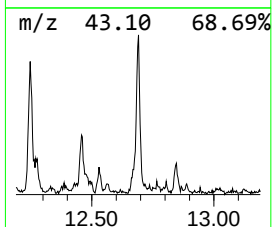
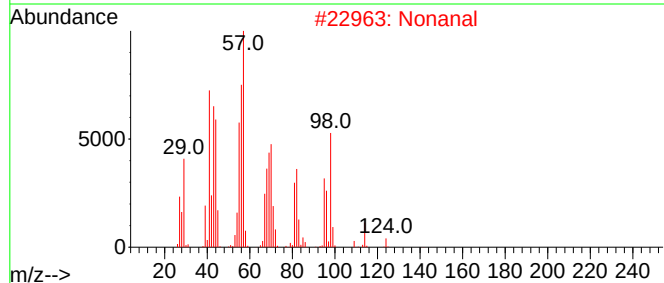
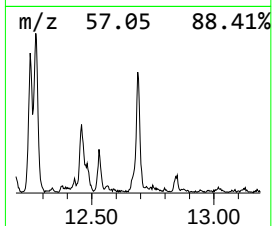
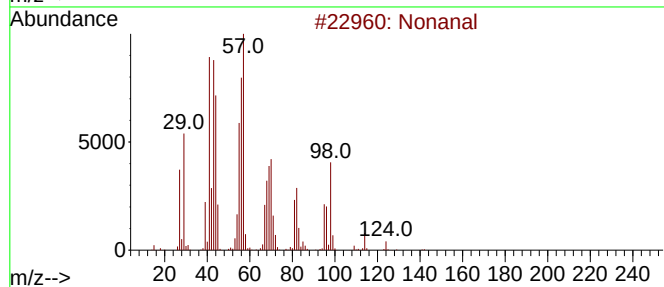
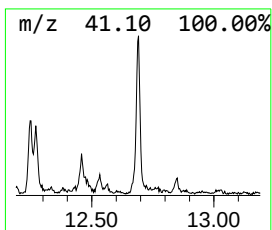
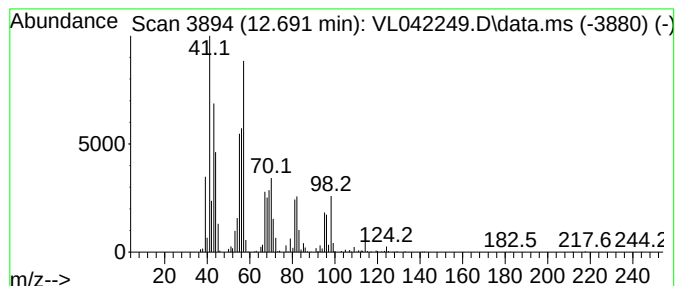
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Nonanal Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.  |
|--------|-----------|--------|------------------|-------|
| 12.691 | 2.79 ppbv | 464048 | Chlorobenzene-d5 | 8.908 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Nonanal                           | 142 | C9H18O   | 000124-19-6 | 86   |
| 2    |    |   | Nonanal                           | 142 | C9H18O   | 000124-19-6 | 78   |
| 3    |    |   | Nonanal                           | 142 | C9H18O   | 000124-19-6 | 59   |
| 4    |    |   | 7-Octen-1-ol, 3,7-dimethyl-, (S)- | 156 | C10H20O  | 006812-78-8 | 35   |
| 5    |    |   | Acetic acid, undec-2-enyl ester   | 212 | C13H24O2 | 100288-67-3 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL040725\  
Data File : VL042249.D  
Acq On : 08 Apr 2025 00:46  
Operator : SY/MD  
Sample : Q1725-07  
Misc : 400mL/MSVOA\_L  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SSSG-B10-1-03312025-SPLIT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL032725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |        |         |       |          | #                     | RT    | Resp    | Conc |
| 1-Propene, 2-me... | 1.612  | 2.7     | ppbv  | 202008   | 1                     | 2.807 | 747553  | 10.0 |
| Pentane, 2-methyl- | 2.493  | 1.6     | ppbv  | 117389   | 1                     | 2.807 | 747553  | 10.0 |
| 1-Hexene, 4-met... | 2.645  | 1.3     | ppbv  | 97359    | 1                     | 2.807 | 747553  | 10.0 |
| Hexane, 3-methyl-  | 4.305  | 1.2     | ppbv  | 167726   | 2                     | 3.988 | 1356800 | 10.0 |
| Benzene, 1-ethy... | 11.118 | 1.4     | ppbv  | 235255   | 3                     | 8.908 | 1662110 | 10.0 |
| Undecane, 4,6-d... | 12.248 | 1.7     | ppbv  | 286190   | 3                     | 8.908 | 1662110 | 10.0 |
| Nonanal            | 12.691 | 2.8     | ppbv  | 464048   | 3                     | 8.908 | 1662110 | 10.0 |