Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112321\
Data File : VL038103.D
Acq On : 23 Nov 2021 17:20
Operator : SY/AP
Sample : M4805-06DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Quant Time: Nov 24 06:54:45 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.66 | 49 | 883066 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.17 | 114 | 2669242 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.07 | 117 | 2327641 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.40 | 95 | 1803280 | 10.74 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 107.40% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.05 | 85 | 6699 | 0.046 | ppbv | | 98 |
| 3) Chlorodifluoromethane | 2.97 | 51 | 1228384 | 6.624 | ppbv | # | 61 |
| 9) Propene | 3.21 | 41 | 124224 | 1.819 | ppbv | | 87 |
| 10) Heptane | 8.10 | 43 | 5570 | 0.033 | ppbv | # | 3 |
| 11) Trichlorofluoromethane | 3.95 | 101 | 23521 | 0.170 | ppbv | | 91 |
| 13) Ethanol | 3.60 | 45 | 362376 | 54.905 | ppbv | | 96 |
| 15) Acetone | 3.85 | 43 | 850901 | 11.114 | ppbv | | 100 |
| 16) 1,3-Butadiene | 3.31 | 39 | 2280 | 0.038 | ppbv | # | 9 |
| 17) tert-Butyl alcohol | 4.30 | 59 | 21200 | 0.228 | ppbv | # | 66 |
| 19) Isopropyl Alcohol | 3.97 | 45 | 1874330 | 33.882 | ppbv | | 100 |
| 20) Methylene Chloride | 4.35 | 84 | 21603 | 0.504 | ppbv | | 85 |
| 25) Ethyl Acetate | 5.68 | 43 | 23099 | 0.091 | ppbv | # | 67 |
| 26) Hexane | 5.68 | 57 | 24026 | 0.196 | ppbv | # | 83 |
| 27) Carbon Disulfide | 4.55 | 76 | 23992 | 0.218 | ppbv | # | 77 |
| 29) Chloroform | 5.74 | 83 | 13614 | 0.075 | ppbv | | 95 |
| 34) 2-Butanone | 5.25 | 43 | 17655 | 0.164 | ppbv | # | 24 |
| 36) Benzene | 6.88 | 78 | 101186 | 0.380 | ppbv | | 98 |
| 39) 1,2-Dichloropropane | 7.17 | 63 | 665177 | 6.513 | ppbv | # | 26 |
| 40) 1,4-Dioxane | 7.85 | 88 | 30097 | 1.131 | ppbv | # | 1 |
| 52) Tetrachloroethene | 11.21 | 164 | 229619 | 2.331 | ppbv | | 97 |
| 53) Toluene | 9.80 | 91 | 20842 | 0.068 | ppbv | # | 57 |
| 62) Isopropylbenzene | 14.65 | 105 | 70840 | 0.166 | ppbv | | 95 |
| 66) Benzyl Chloride | 16.97 | 91 | 2006 | 0.105 | ppbv | # | 63 |

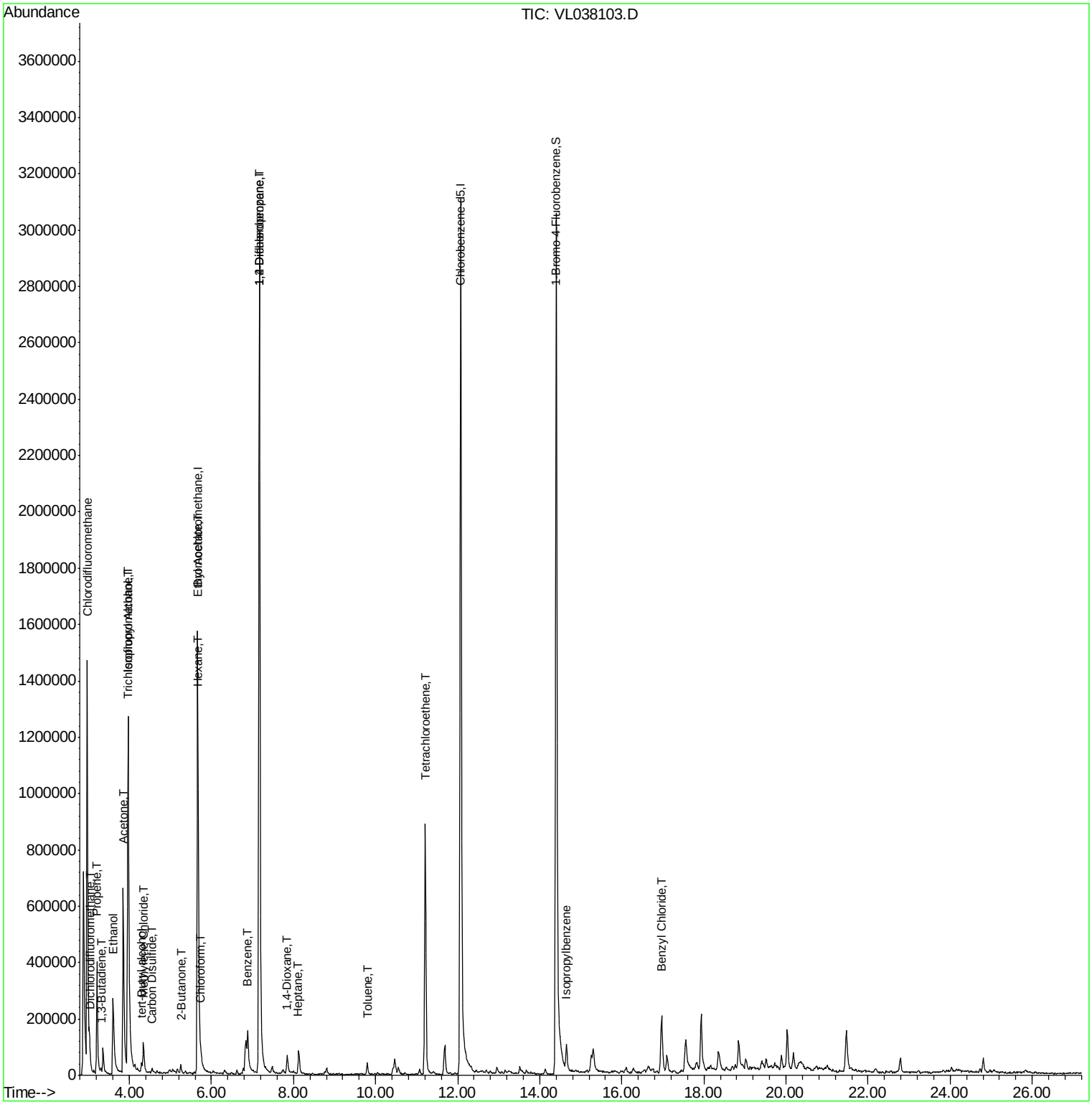
(#) = qualifier out of range (m) = manual integration (+) = signals summed

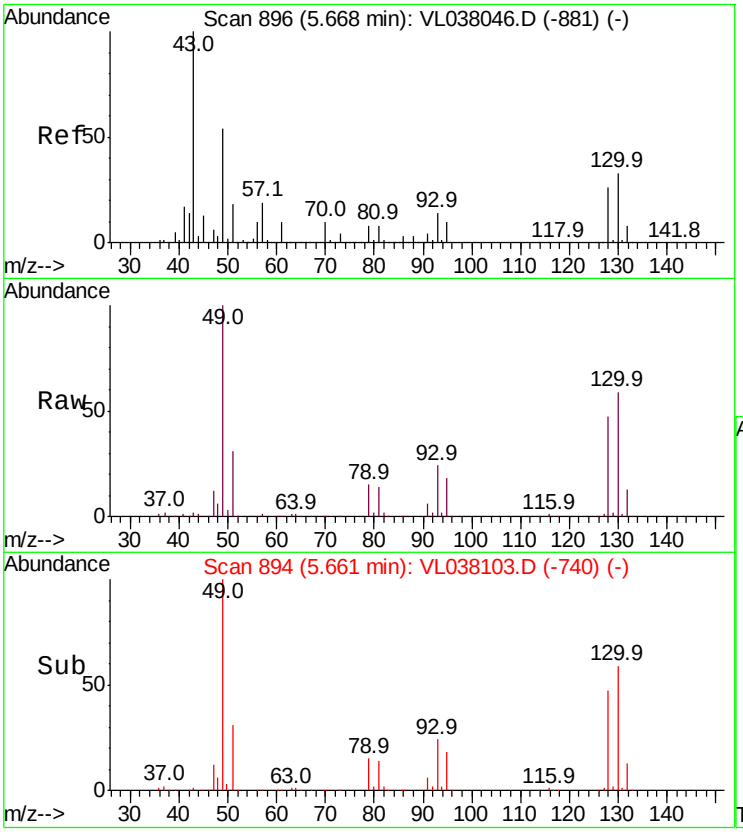
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112321\
Data File : VL038103.D
Acq On : 23 Nov 2021 17:20
Operator : SY/AP
Sample : M4805-06DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Quant Time: Nov 24 06:54:45 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration



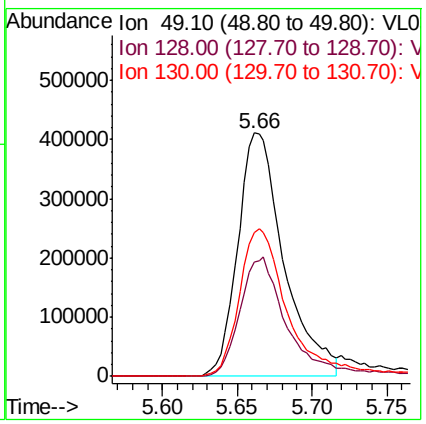


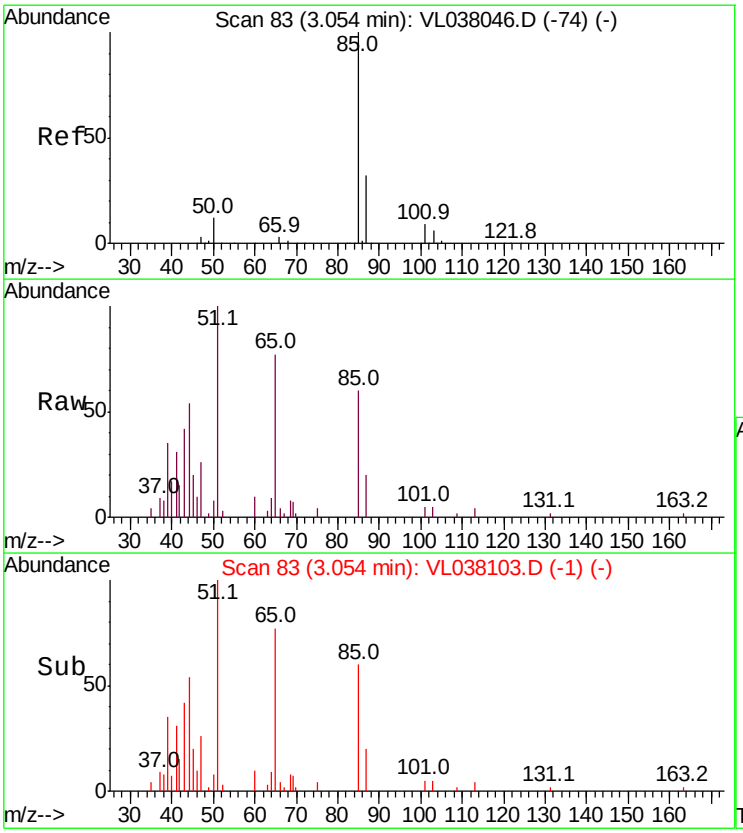

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 49 Resp: 883066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 51.7 | 26.5 | 79.5 |
| 130 | 66.3 | 32.5 | 97.4 |

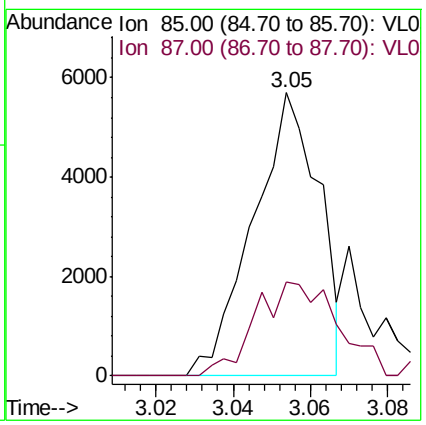


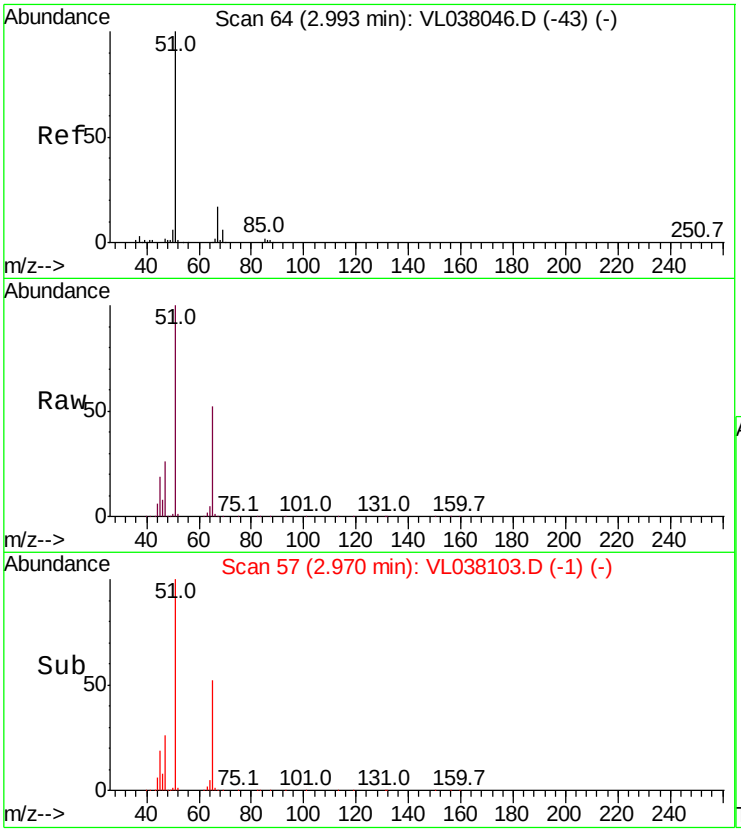




#2
Dichlorodifluoromethane
Concen: 0.046 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 85 Resp: 6699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.2 | 25.8 | 38.6 |



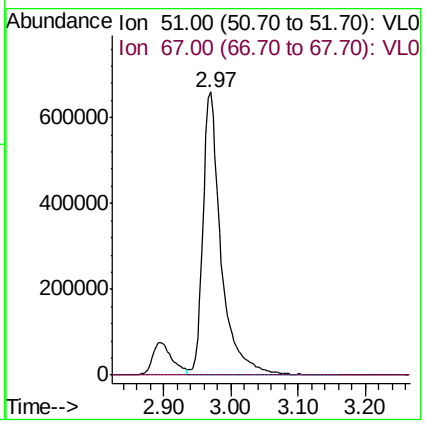


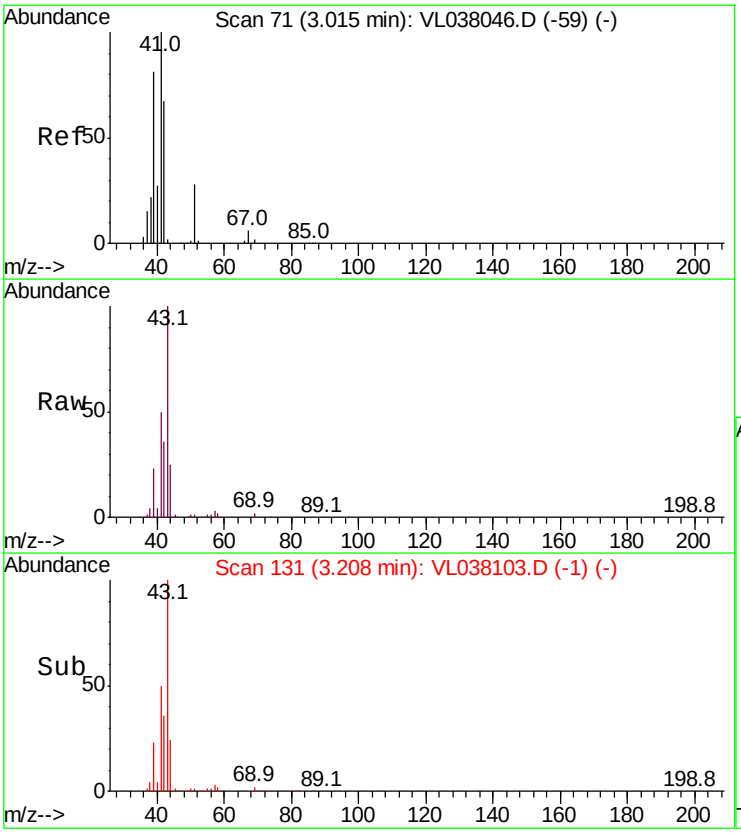

#3
Chlorodifluoromethane
Concen: 6.624 ppbv
RT: 2.97
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 51 Resp: 1228384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 0.1 | 13.8 | 20.8# |

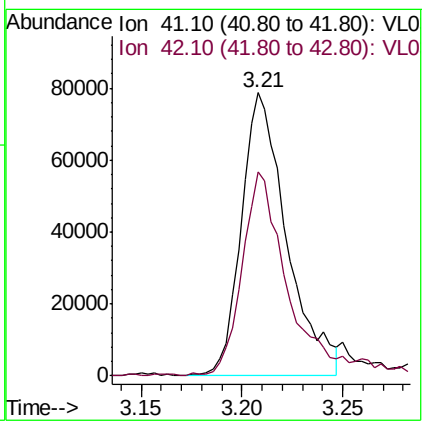


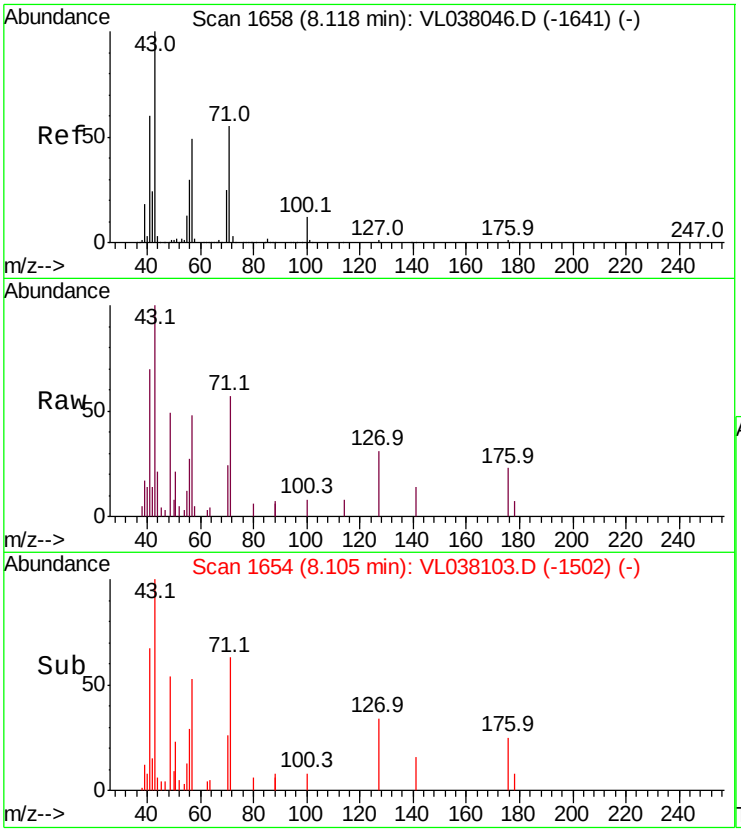




#9
Propene
Concen: 1.819 ppbv
RT: 3.21 min Scan# 131
Delta R.T. 0.19 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 41 Resp: 124224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 77.5 | 53.8 | 80.8 |



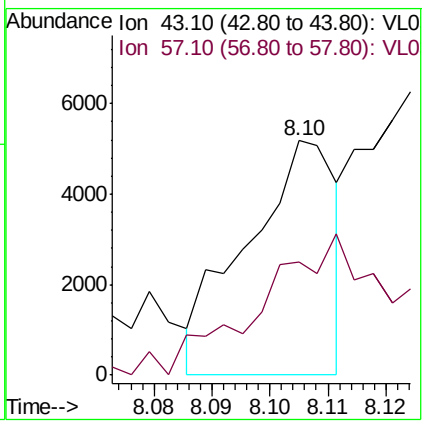


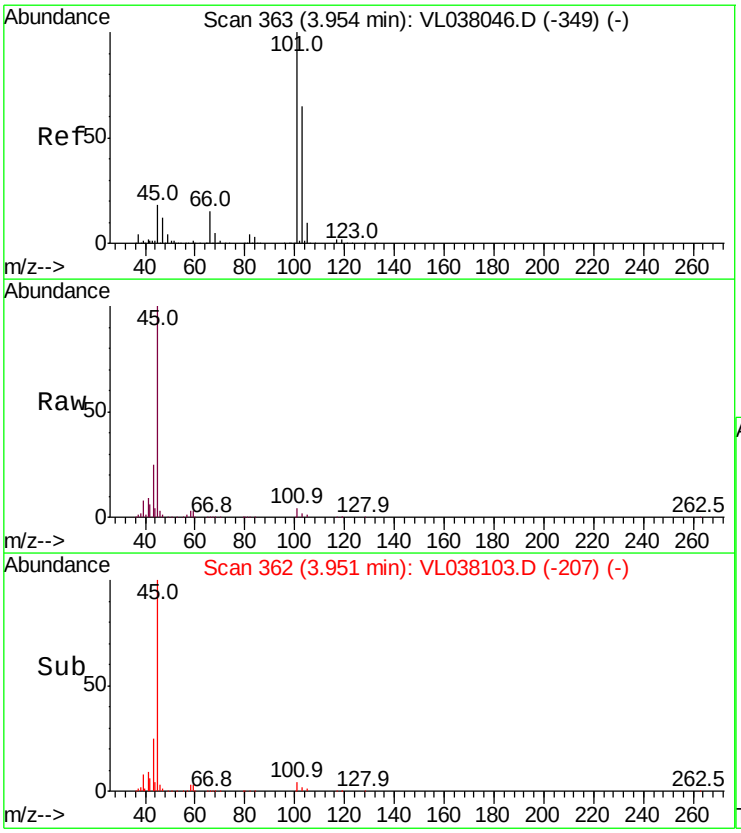

#10
Heptane
Concen: 0.033 ppbv
RT: 8.10
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 43 Resp: 5570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 117.8 | 40.4 | 60.6# |

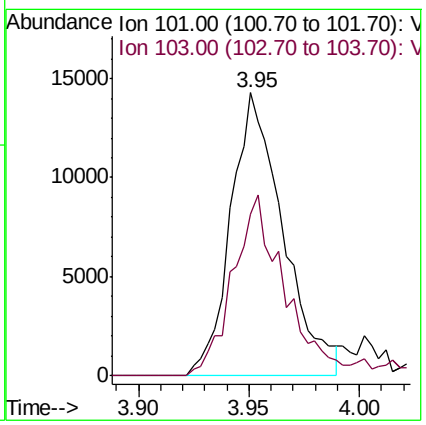


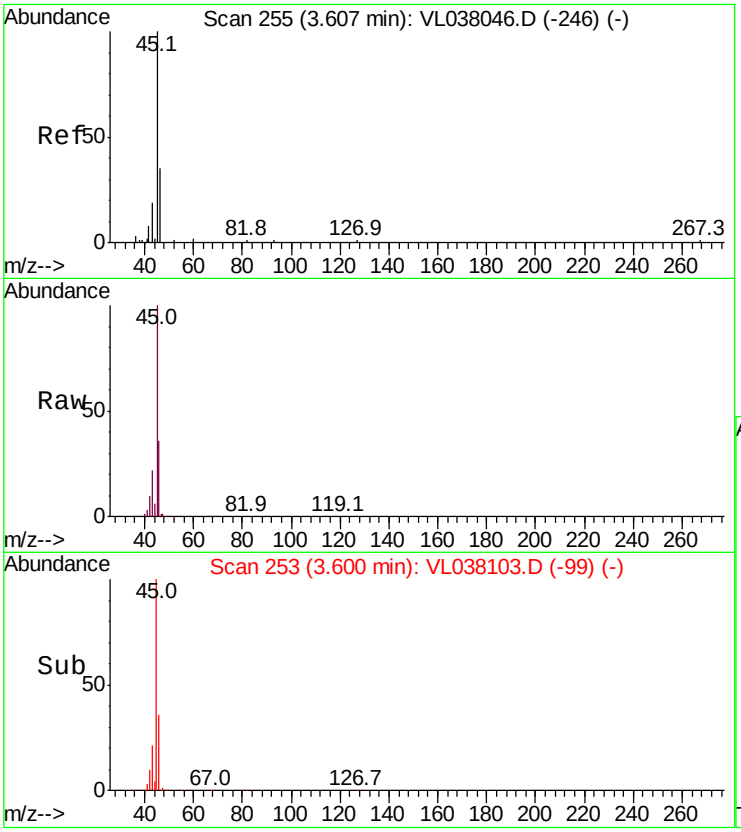




#11
Trichlorofluoromethane
Concen: 0.170 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.00 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion:101 Resp: 23521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 57.3 | 51.8 | 77.6 |



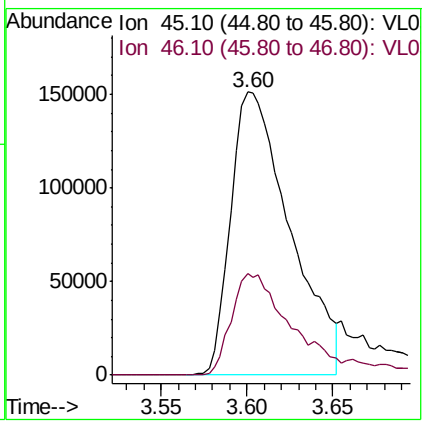


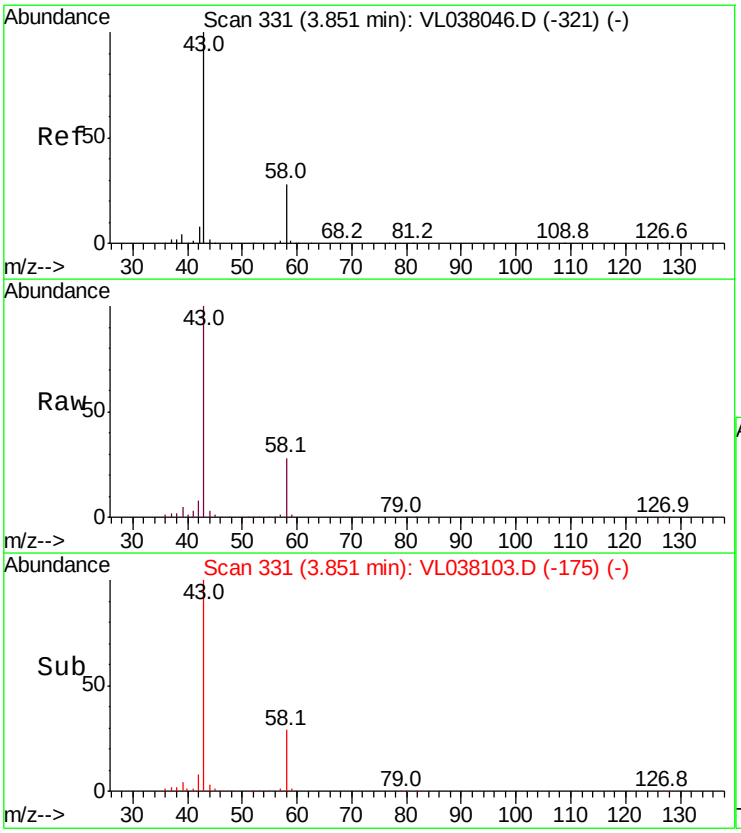

#13
Ethanol
Concen: 54.905 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 45 Resp: 362376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 41.0 | 17.6 | 70.2 |

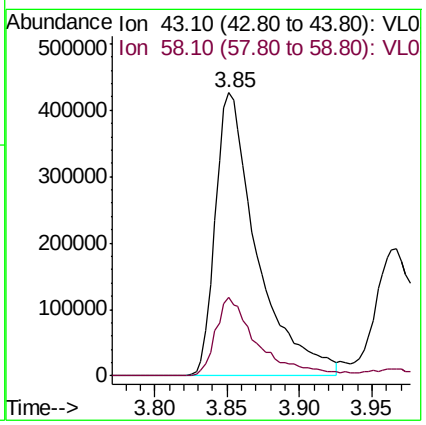


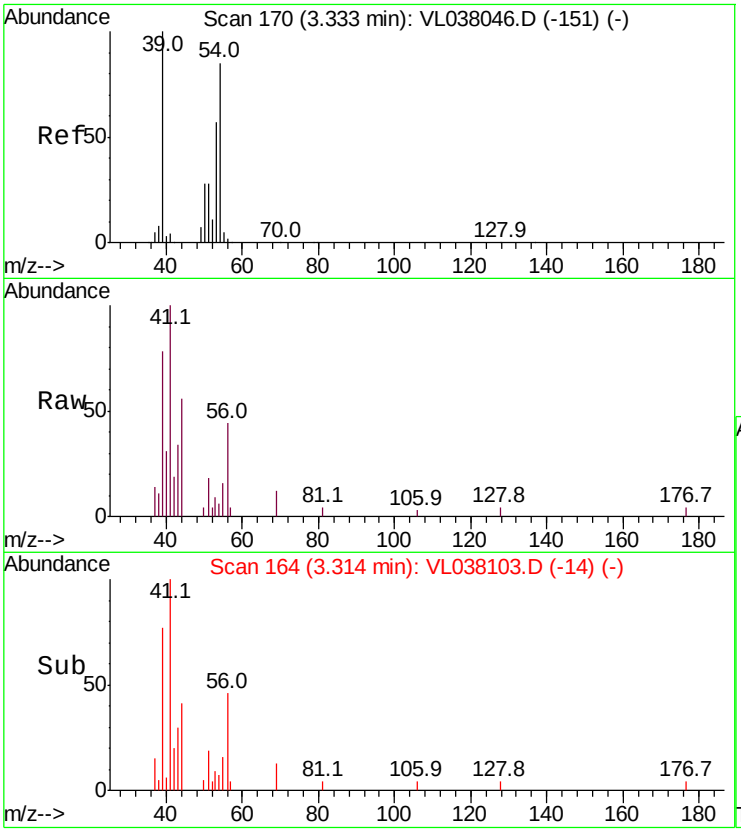




#15
Acetone
Concen: 11.114 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 43 Resp: 850901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 22.4 | 33.6 |



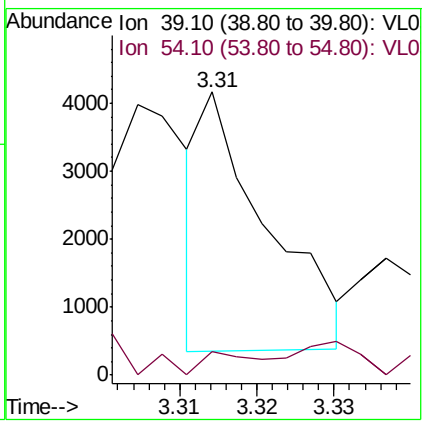


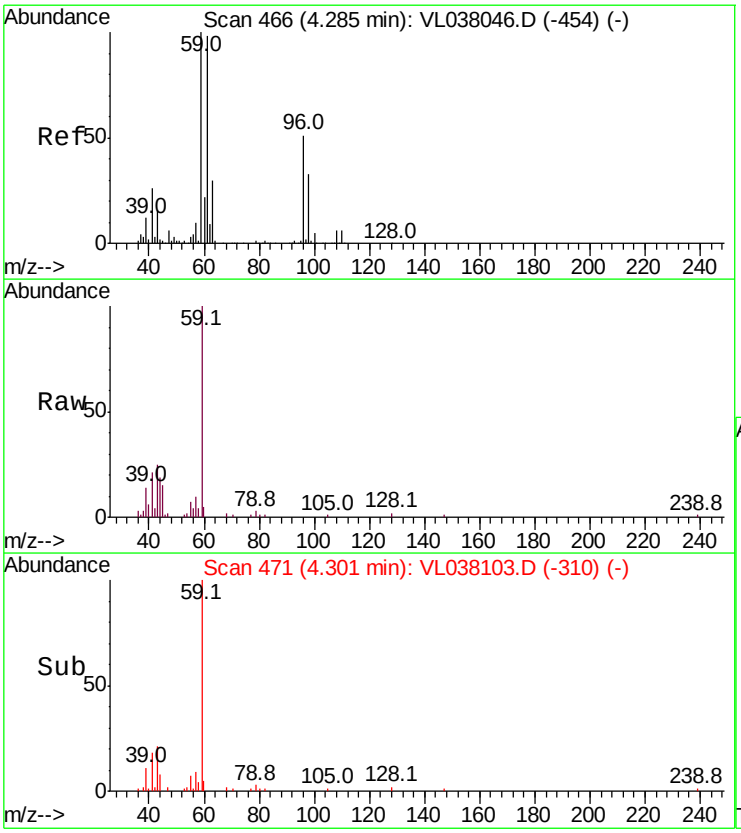

#16
1,3-Butadiene
Concen: 0.038 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 39 Resp: 2280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 0.0 | 64.4 | 96.6# |

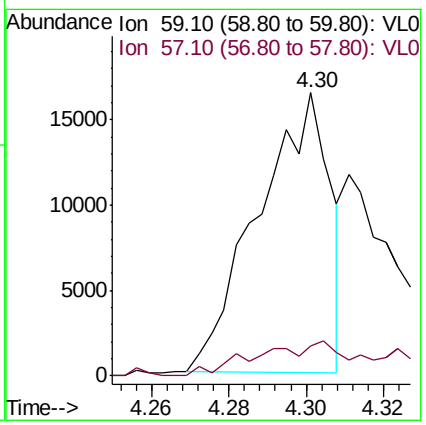


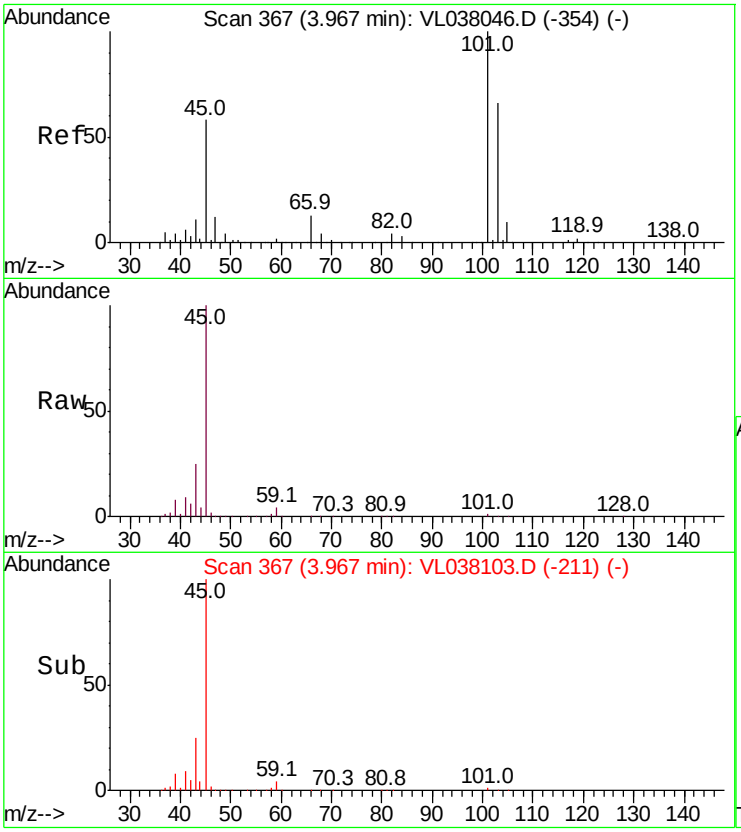




#17
tert-Butyl alcohol
Concen: 0.228 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.02 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 59 Resp: 21200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 23.8 | 8.6 | 13.0# |



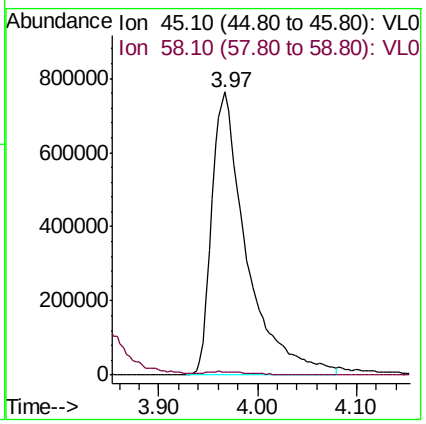


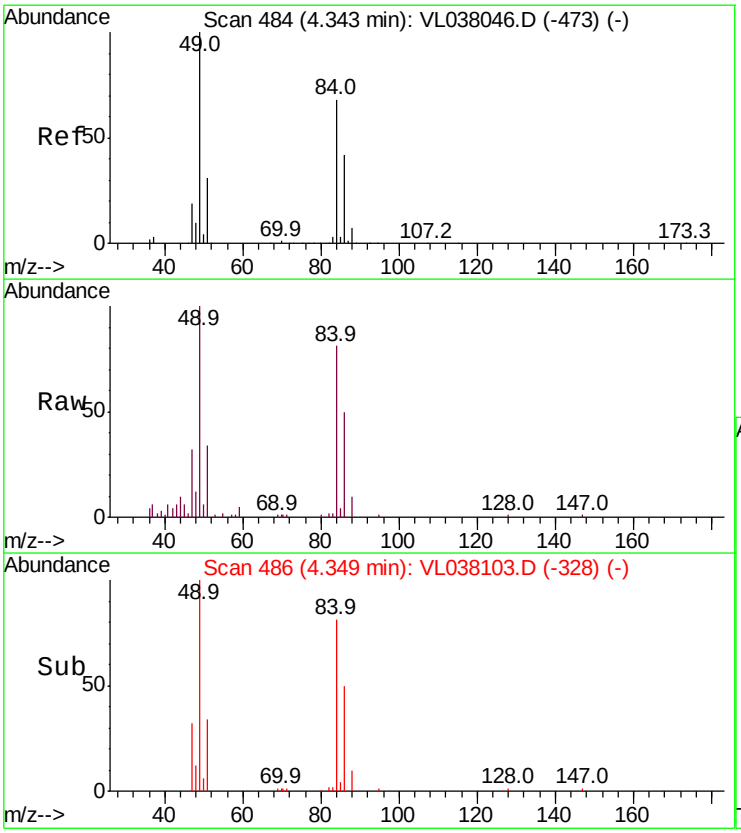

#19
Isopropyl Alcohol
Concen: 33.882 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 45 Resp: 1874330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 1.6 | 1.4 | 2.0 |

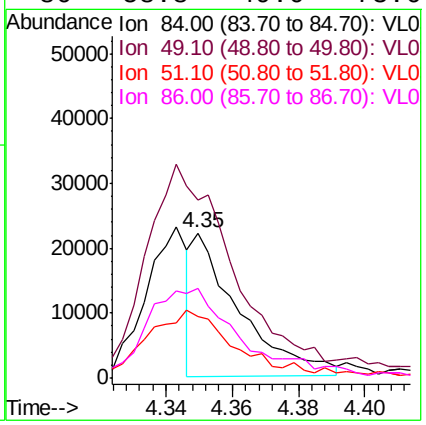


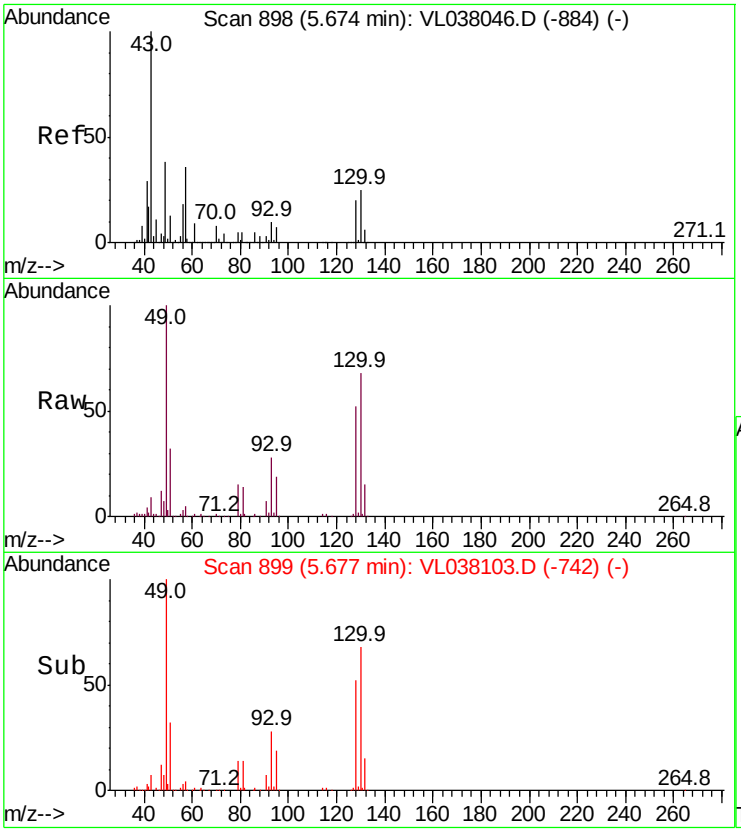




#20
Methylene Chloride
Concen: 0.504 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 84 Resp: 21603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.2 | 118.2 | 177.2 |
| 51 | 41.7 | 36.8 | 55.2 |
| 86 | 58.8 | 49.0 | 73.6 |



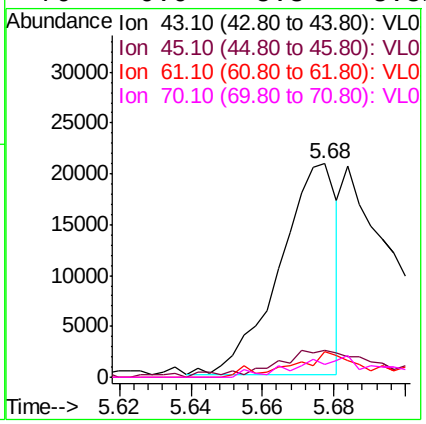


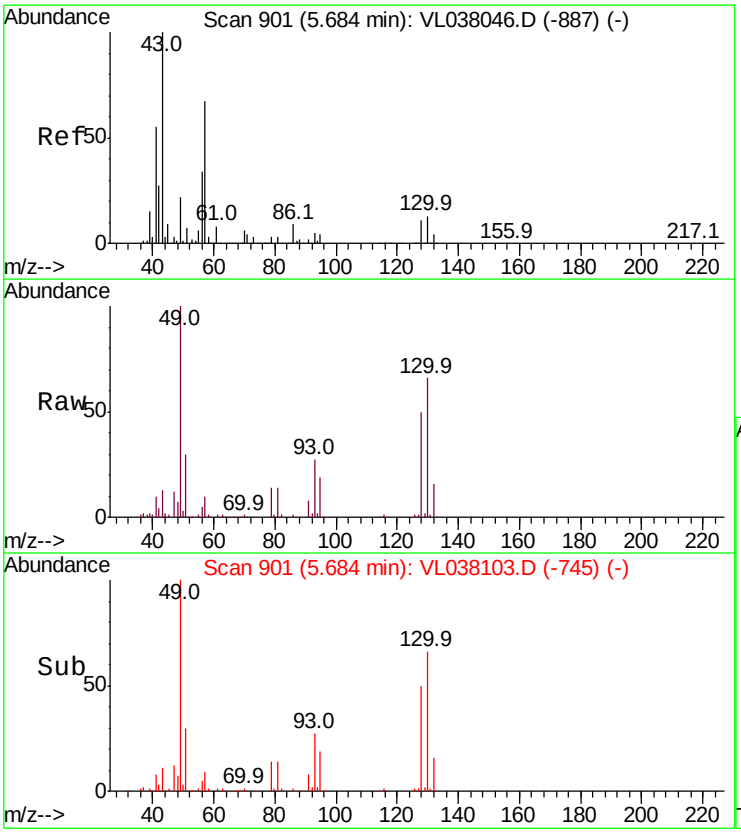

#25
Ethyl Acetate
Concen: 0.091 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 43 Resp: 23099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 29.9 | 7.9 | 11.9# |
| 61 | 17.6 | 7.8 | 11.6# |
| 70 | 0.0 | 5.8 | 8.8# |

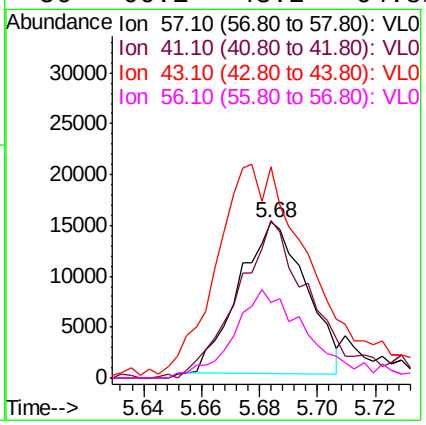


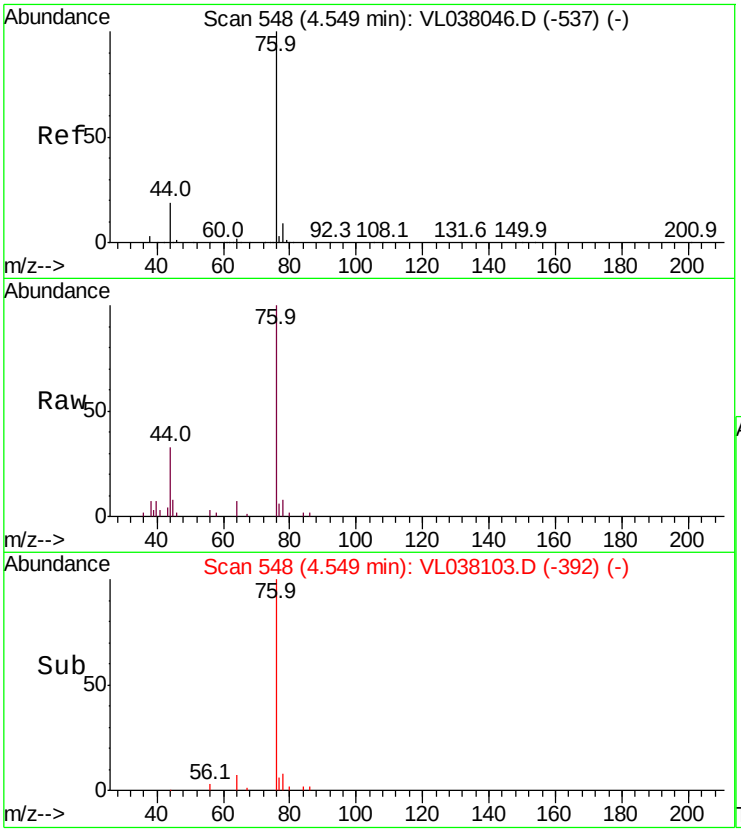




#26
Hexane
Concen: 0.196 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 57 Resp: 24026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 124.3 | 71.4 | 107.2# |
| 43 | 205.3 | 174.6 | 261.8 |
| 56 | 66.1 | 43.2 | 64.8# |



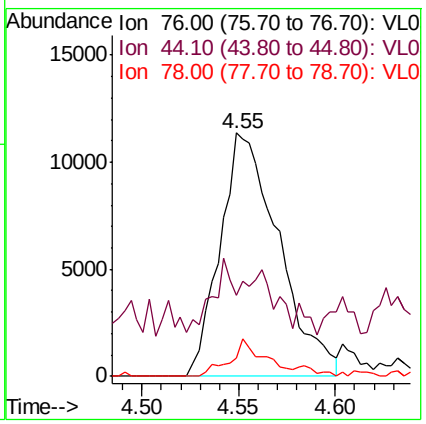


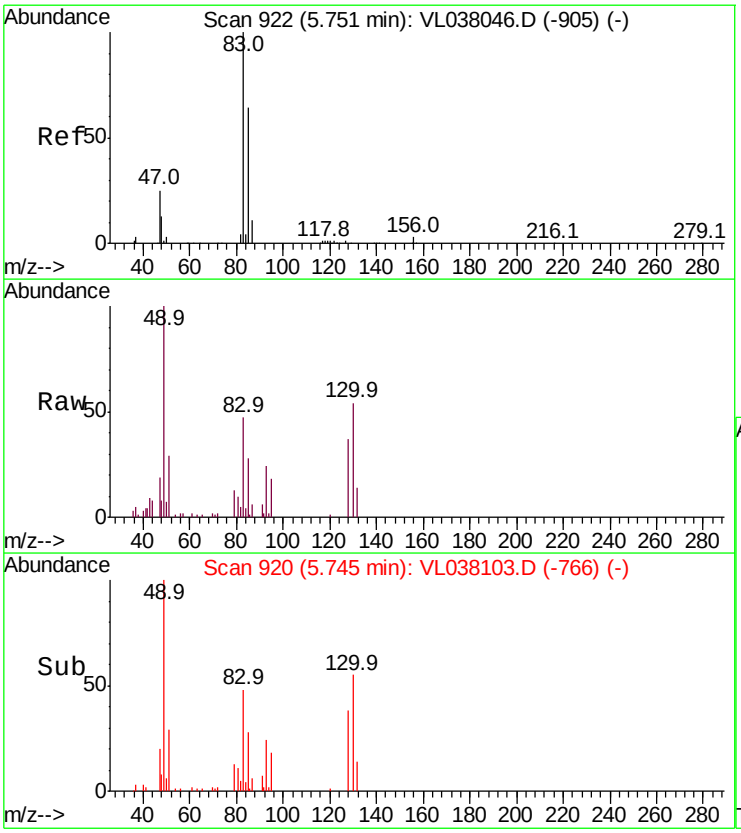

#27
Carbon Disulfide
Concen: 0.218 ppbv
RT: 4.55
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 76 Resp: 23992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 33.4 | 14.9 | 22.3# |
| 78 | 11.2 | 7.6 | 11.4 |

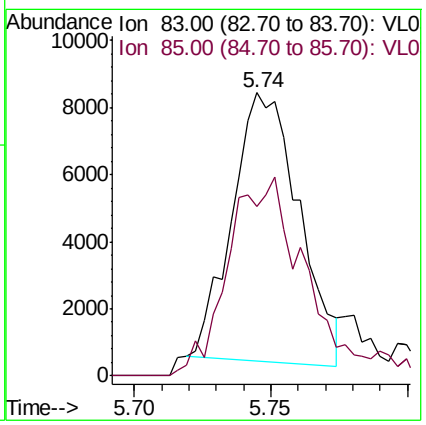


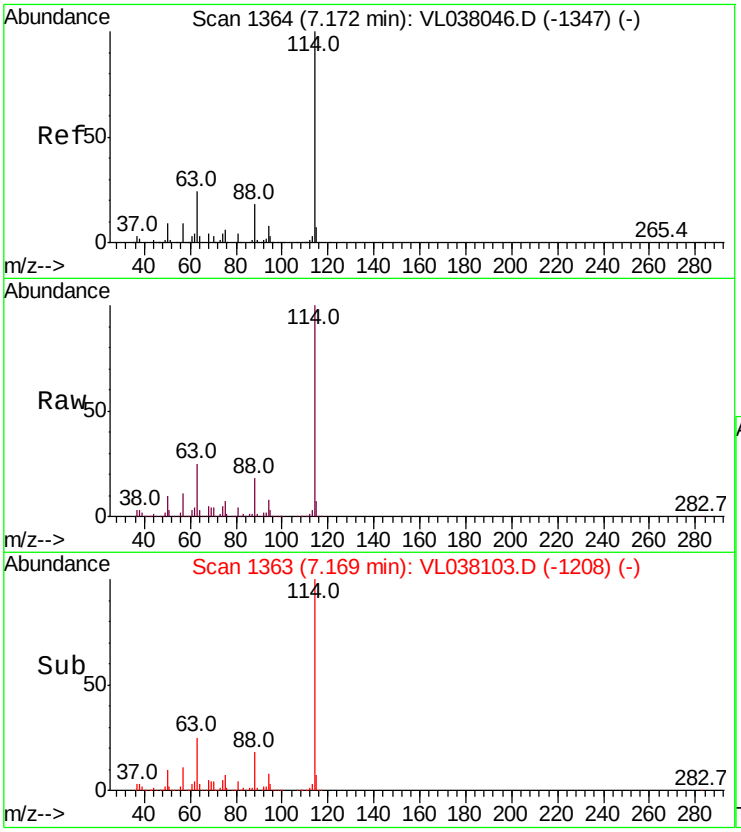




#29
Chloroform
Concen: 0.075 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 83 Resp: 13614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.2 | 51.0 | 76.6 |



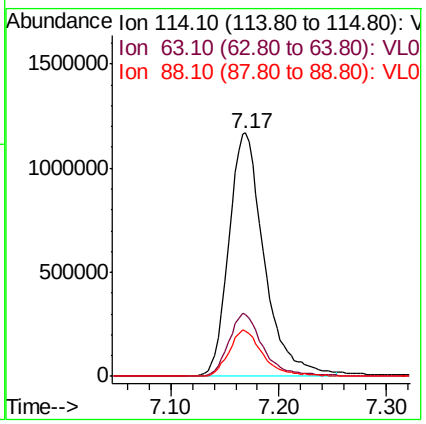


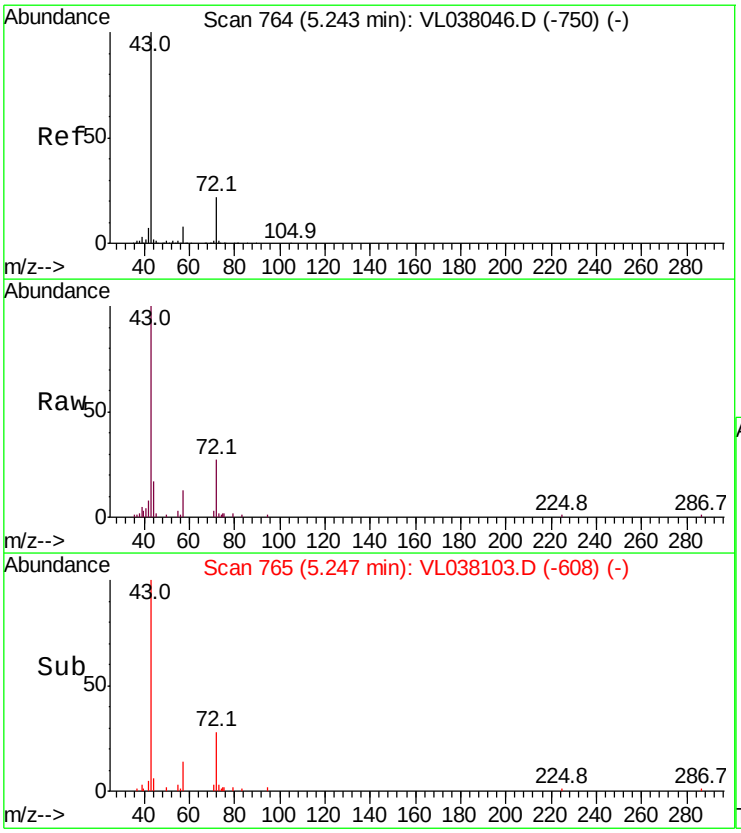

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion:114 Resp: 2669242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 25.5 | 19.7 | 29.5 |
| 88 | 18.6 | 14.4 | 21.6 |

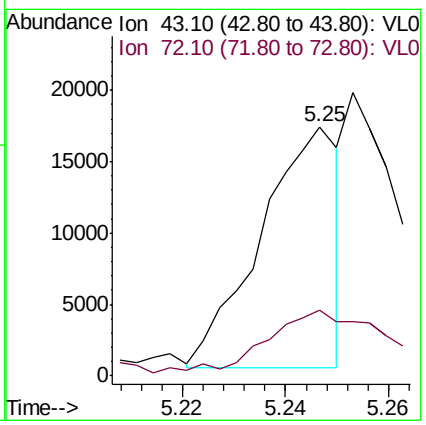


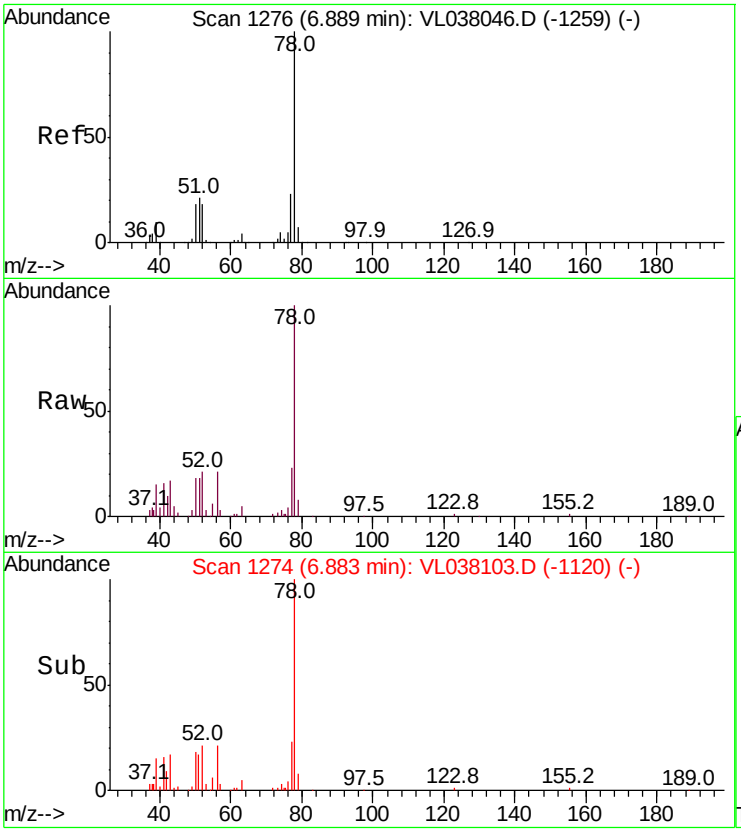




#34
2-Butanone
Concen: 0.164 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.00 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 43 Resp: 17655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 60.6 | 18.8 | 28.2# |



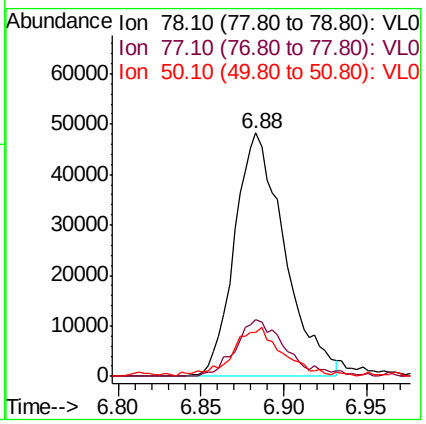


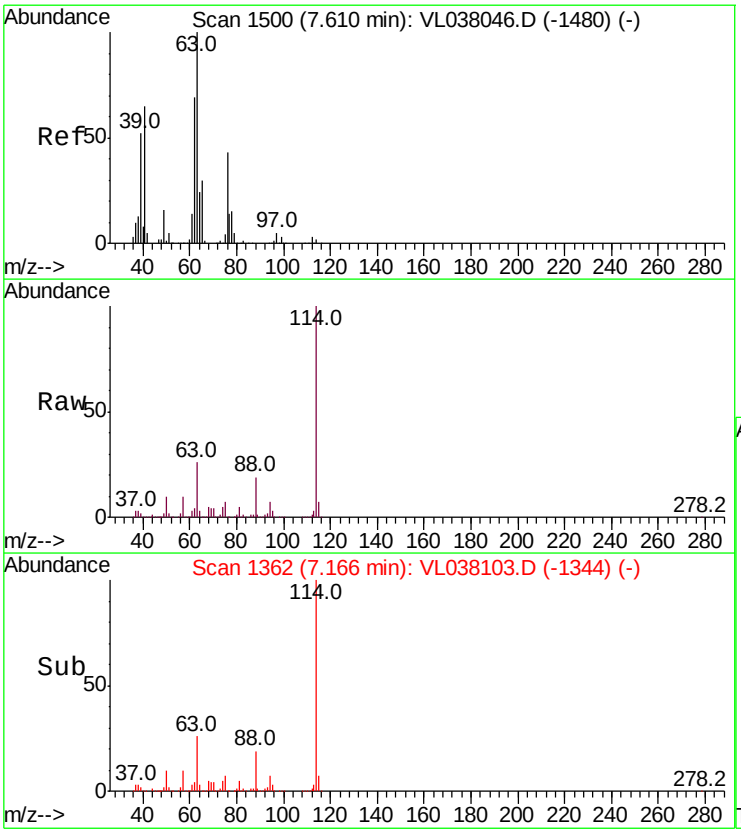

#36
Benzene
Concen: 0.380 ppbv
RT: 6.88
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 78 Resp: 101186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.3 | 18.2 | 27.4 |
| 50 | 17.1 | 14.7 | 22.1 |

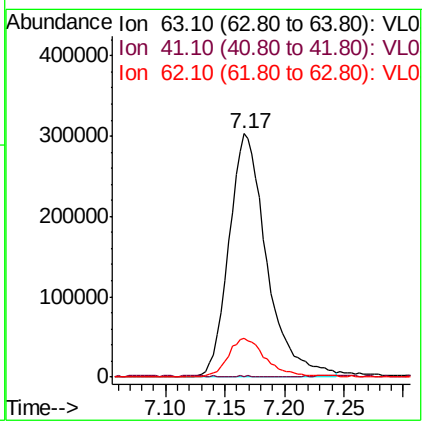


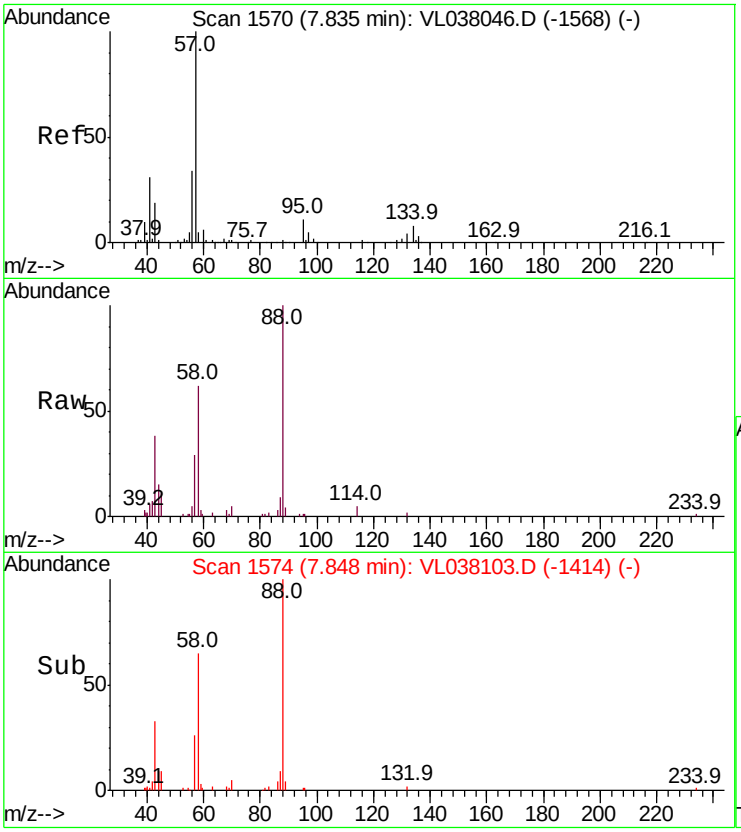




#39
1,2-Dichloropropane
Concen: 6.513 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.44 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 63 Resp: 665177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.0 | 52.3 | 78.5# |
| 62 | 16.1 | 55.1 | 82.7# |



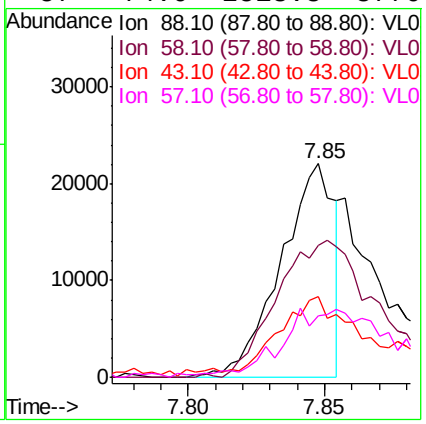


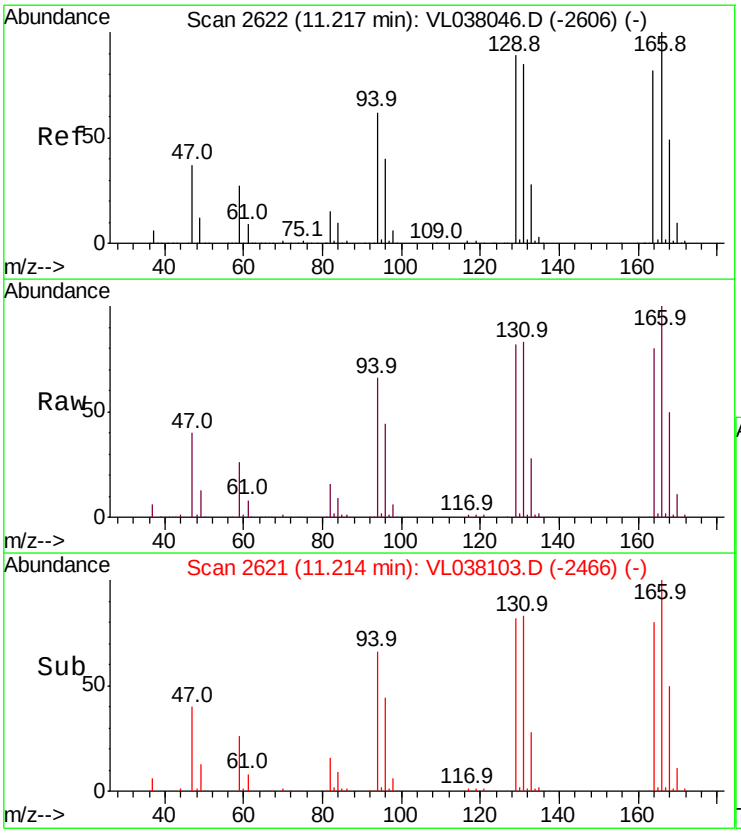

#40
1,4-Dioxane
Concen: 1.131 ppbv
RT: 7.85
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 88 Resp: 30097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 137.3 | 229.2 | 343.8# |
| 43 | 65.1 | 553.3 | 829.9# |
| 57 | 74.0 | 2513.8 | 3770.8# |

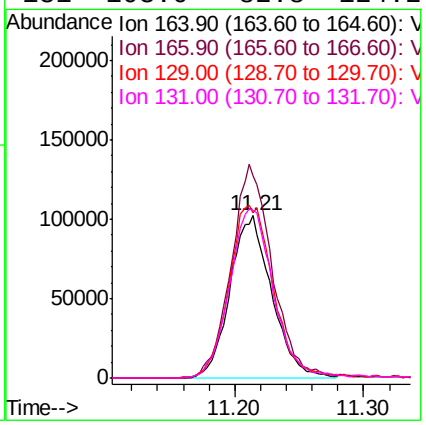


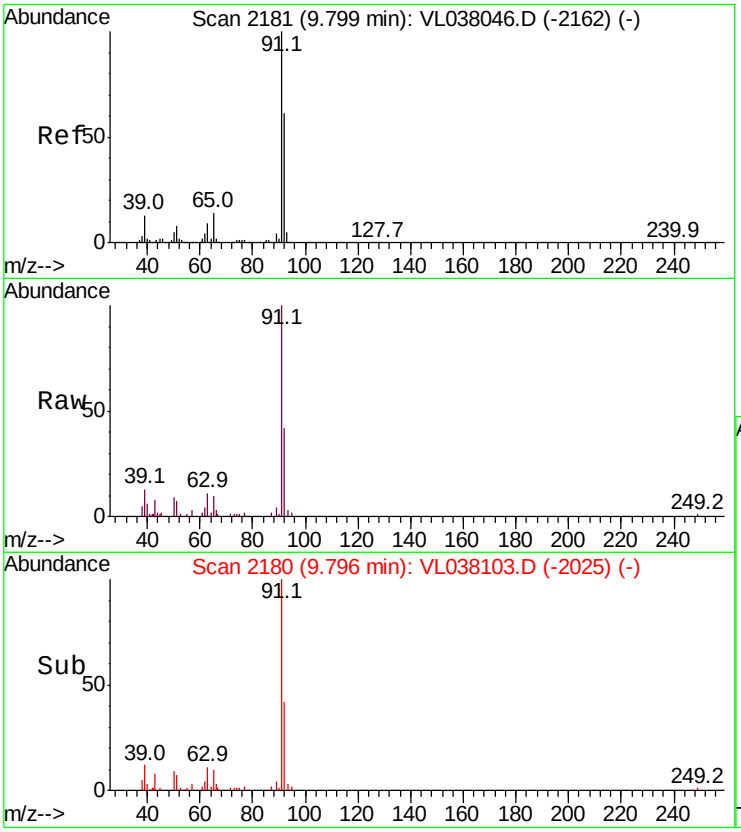




#52
Tetrachloroethene
Concen: 2.331 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.00 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion:164 Resp: 229619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.6 | 97.2 | 145.8 |
| 129 | 101.3 | 86.9 | 130.3 |
| 131 | 103.0 | 82.8 | 124.2 |



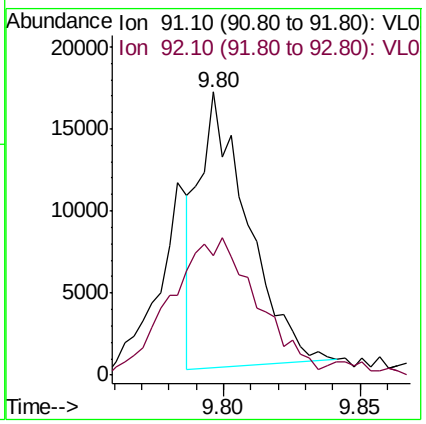


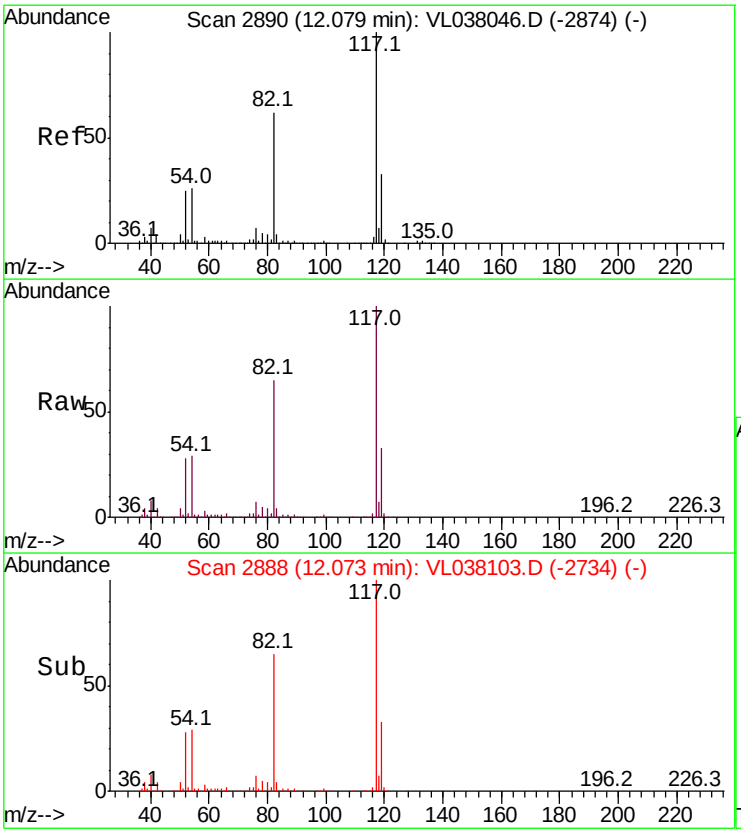

#53
Toluene
Concen: 0.068 ppbv
RT: 9.80
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 91 Resp: 20842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 95.3 | 49.7 | 74.5# |

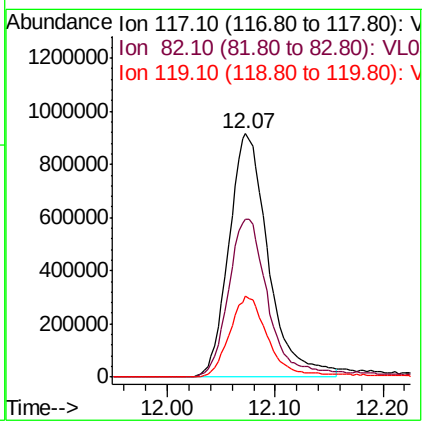


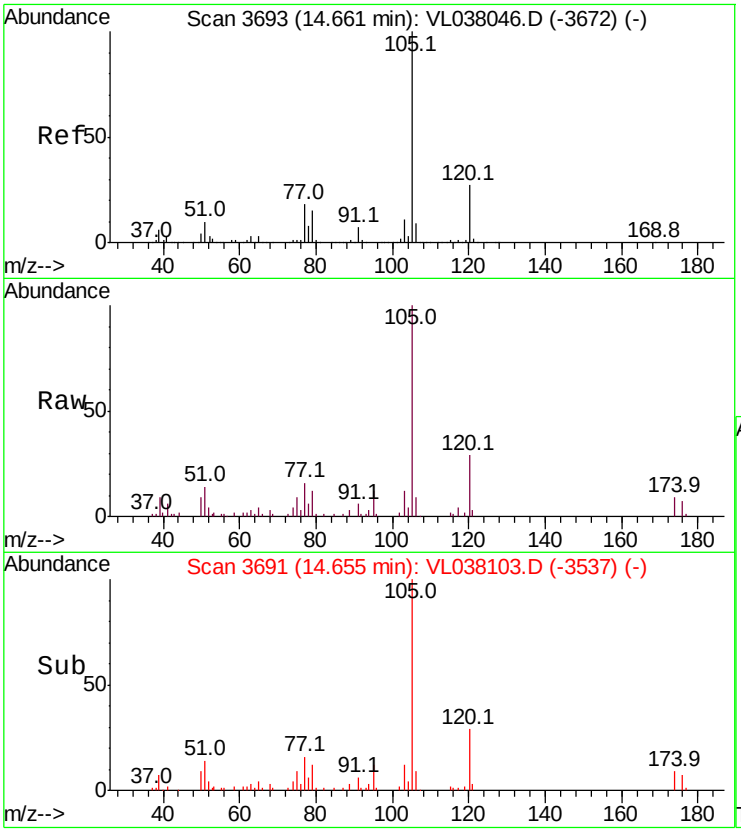




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.01 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion:117 Resp: 2327641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 68.8 | 52.8 | 79.2 |
| 119 | 34.1 | 26.8 | 40.2 |



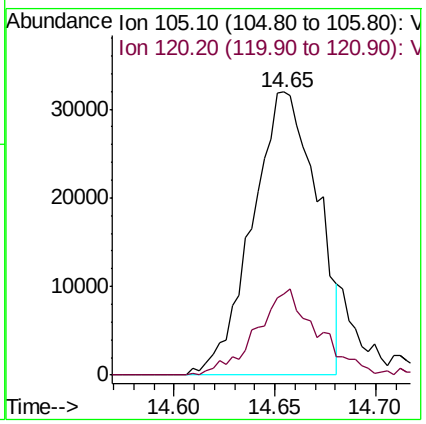


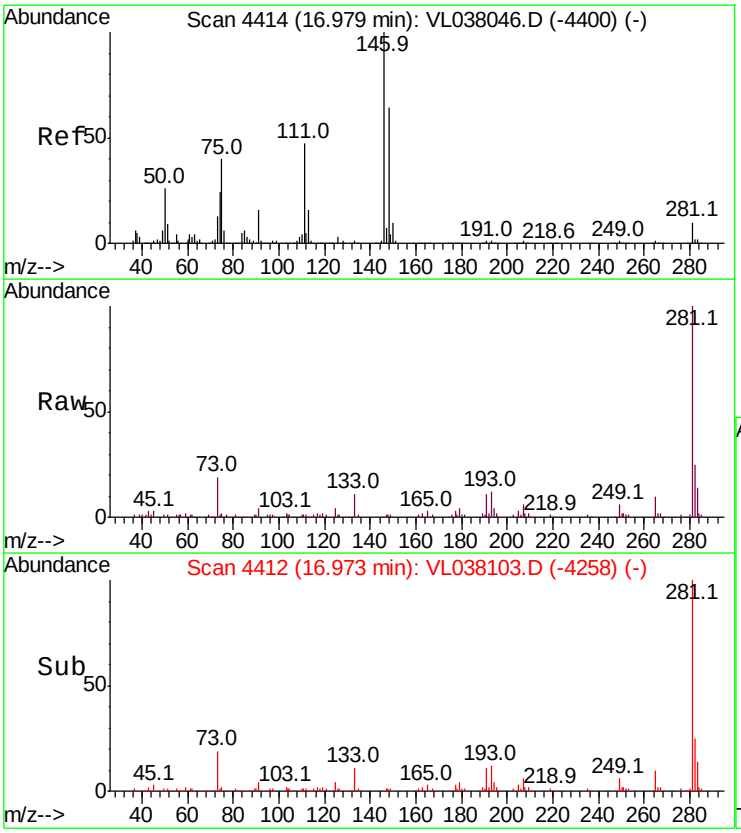

#62
Isopropylbenzene
Concen: 0.166 ppbv
RT: 14.65
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion:105 Resp: 70840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 30.0 | 21.8 | 32.6 |

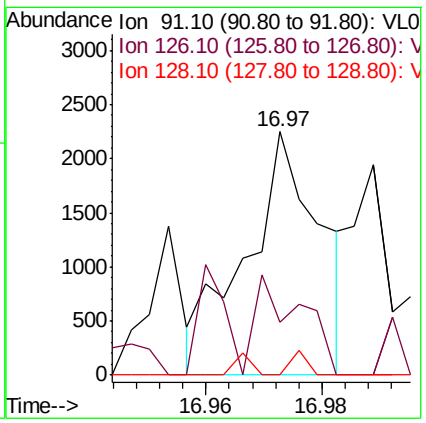


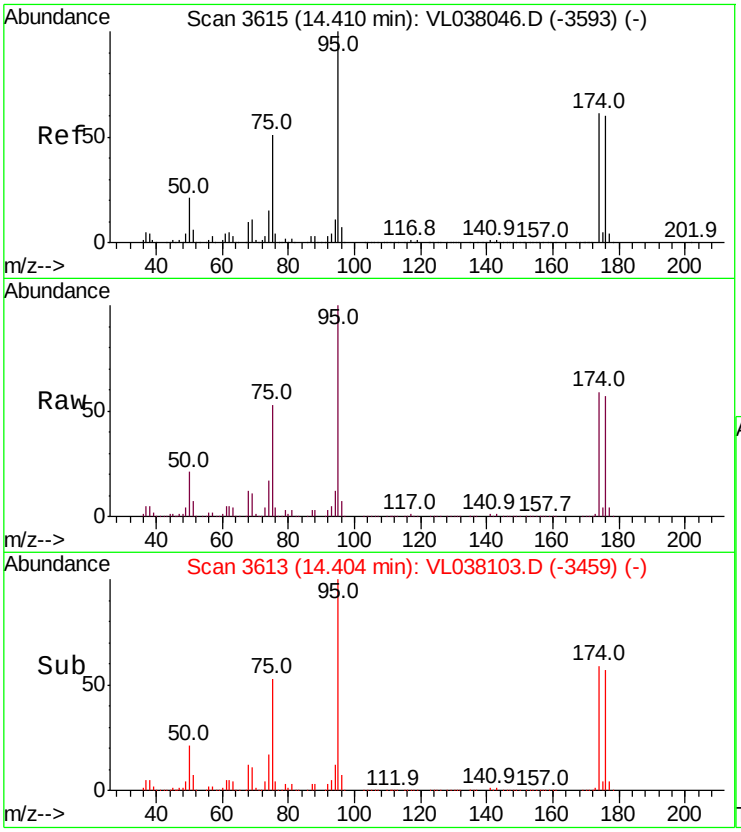




#66
Benzyl Chloride
Concen: 0.105 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. -0.01 min
Lab File: VL038103.D
Acq: 23 Nov 2021 17:20

Tgt Ion: 91 Resp: 2006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 15.5 | 23.3# |
| 128 | 0.0 | 5.6 | 8.4# |






#68
1-Bromo-4-Fluorobenzene
Concen: 10.740 ppbv
RT: 14.40
Delta R.T
Lab File:
Acq: 23 Nov 2021 17:20

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-JEWELRY-DESIGNDL

Tgt Ion: 95 Resp: 1803280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 63.7 | 53.1 | 79.7 |
| 175 | 4.5 | 4.0 | 6.0 |