Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\

Quantitation Report (Not Reviewed)

Data File : VL036152.D
Acq On : 11 Dec 2020 6:43
Operator : SY/AP
Sample : L5005-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** 48-1

Quant Time: Dec 11 07:53:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.65 | 49 | 1314888 | 10.00 | ppbv | -0.03 |
| 33) 1,4-Difluorobenzene | 7.16 | 114 | 2460575 | 10.00 | ppbv | -0.04 |
| 55) Chlorobenzene-d5 | 12.07 | 117 | 2216522 | 10.00 | ppbv | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.40 | 95 | 1858212 | 10.56 | ppbv | -0.04 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 105.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.03 | 85 | 44380 | 0.290 | ppbv | 92 |
| 3) Chlorodifluoromethane | 2.95 | 51 | 117192 | 0.781 | ppbv # | 72 |
| 4) Chloromethane | 3.12 | 50 | 55634 | 0.755 | ppbv | 98 |
| 9) Propene | 3.01 | 41 | 57921 | 0.771 | ppbv | 95 |
| 11) Trichlorofluoromethane | 3.93 | 101 | 32194 | 0.179 | ppbv | 99 |
| 13) Ethanol | 3.60 | 45 | 4725316 | 456.103 | ppbv | 85 |
| 15) Acetone | 3.83 | 43 | 1180282 | 7.469 | ppbv | 96 |
| 16) 1,3-Butadiene | 3.34 | 39 | 87878 | 1.104 | ppbv # | 17 |
| 19) Isopropyl Alcohol | 3.60 | 45 | 4725316 | 48.922 | ppbv # | 100 |
| 20) Methylene Chloride | 4.33 | 84 | 43425 | 0.671 | ppbv # | 87 |
| 25) Ethyl Acetate | 5.66 | 43 | 26613 | 0.084 | ppbv # | 53 |
| 26) Hexane | 5.67 | 57 | 5543 | 0.039 | ppbv # | 1 |
| 34) 2-Butanone | 5.24 | 43 | 17491 | 0.107 | ppbv # | 91 |
| 39) 1,2-Dichloropropane | 7.16 | 63 | 805858 | 9.786 | ppbv # | 24 |

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

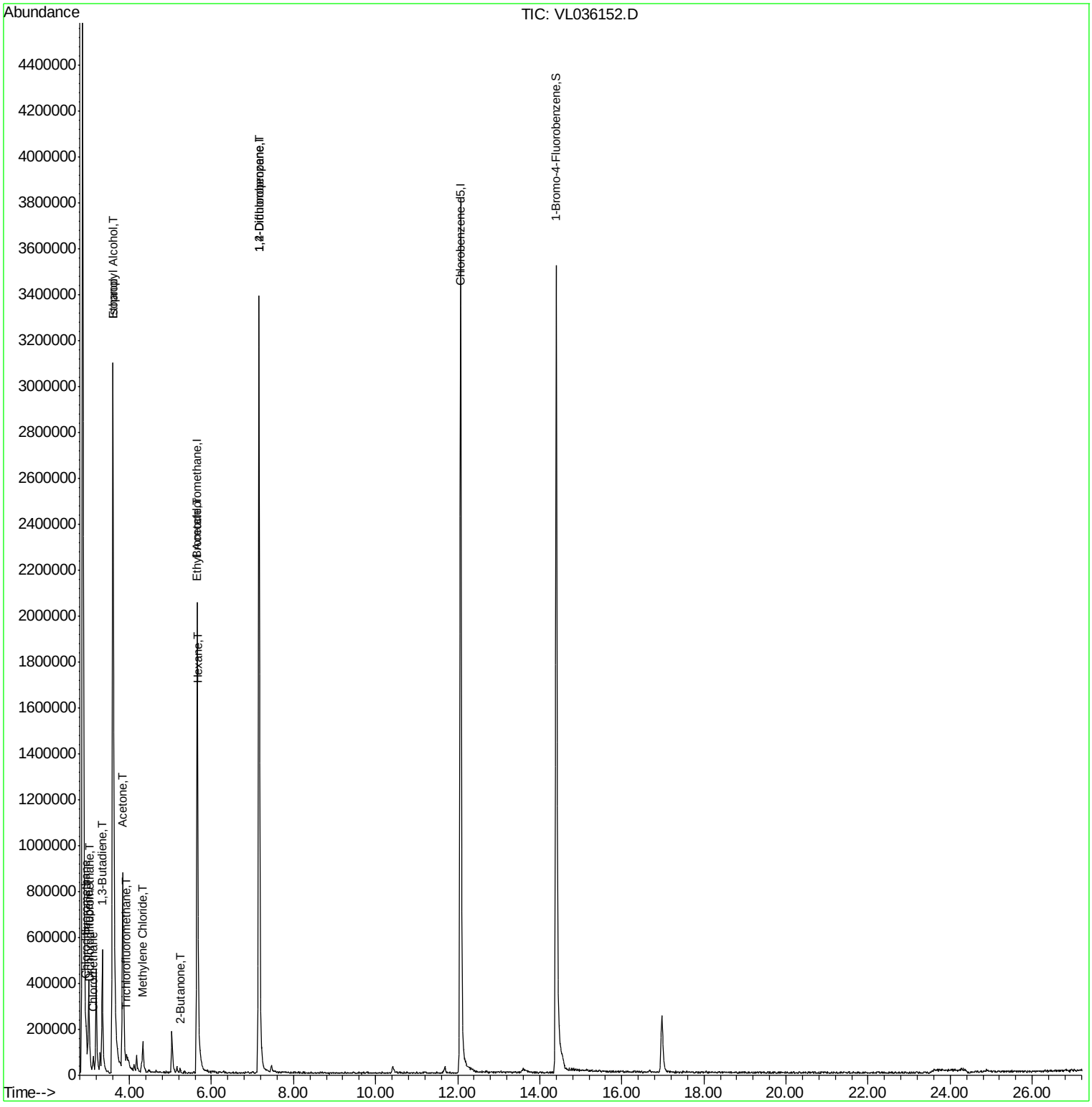
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\

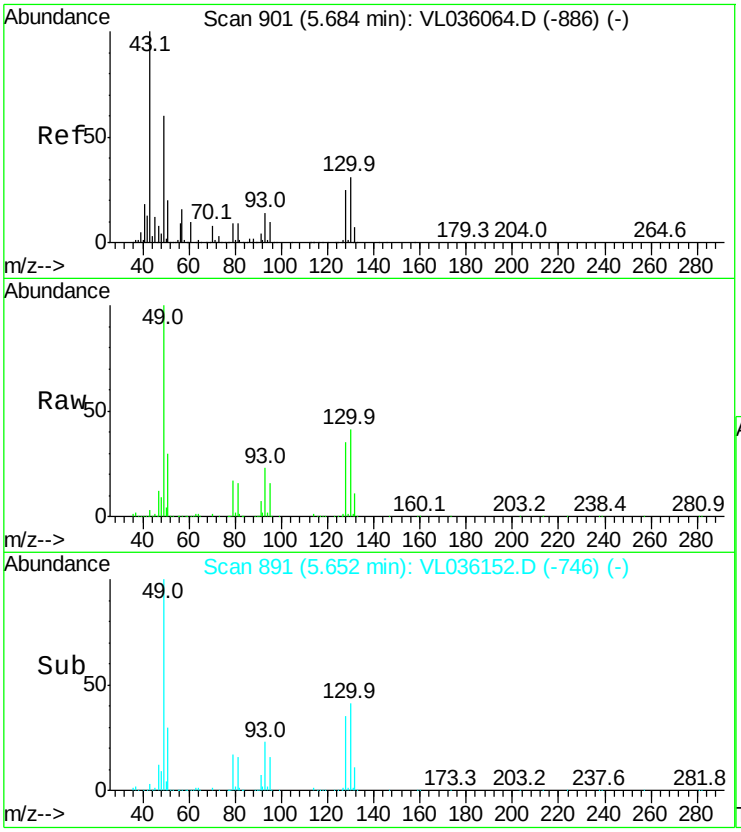
Quantitation Report (Not Reviewed)

Data File : VL036152.D
Acq On : 11 Dec 2020 6:43
Operator : SY/AP
Sample : L5005-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** 48-1

Quant Time: Dec 11 07:53:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration



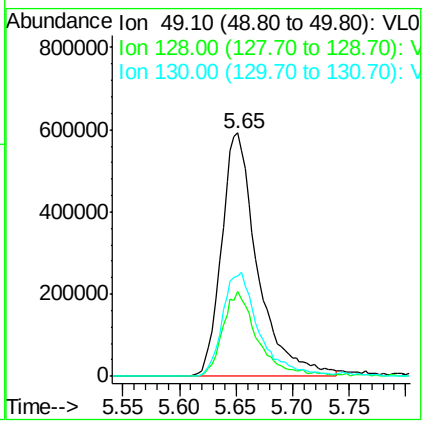


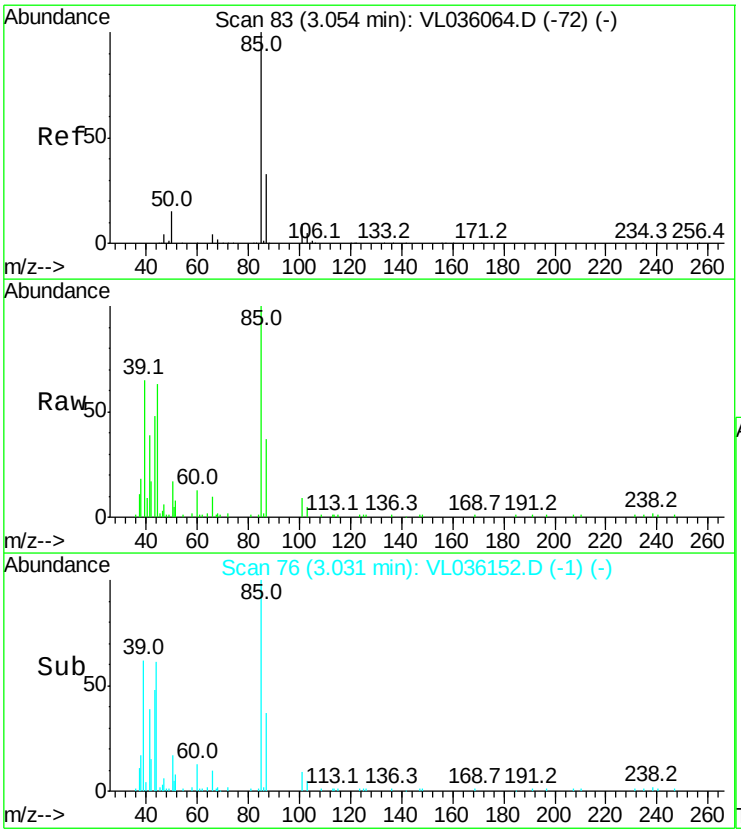

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

**Instrument :**
MSVOA_L
**ClientSampleId :**
48-1

Tgt Ion: 49 Resp: 1314888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 34.7 | 21.1 | 63.1 |
| 130 | 44.3 | 27.1 | 81.3 |

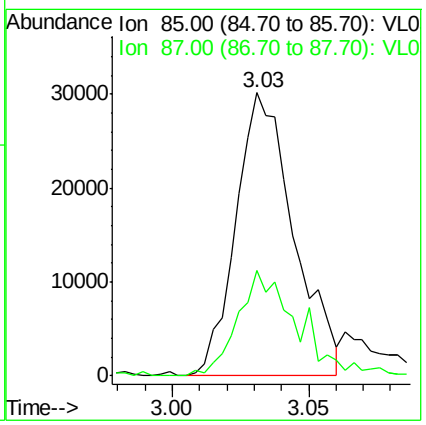


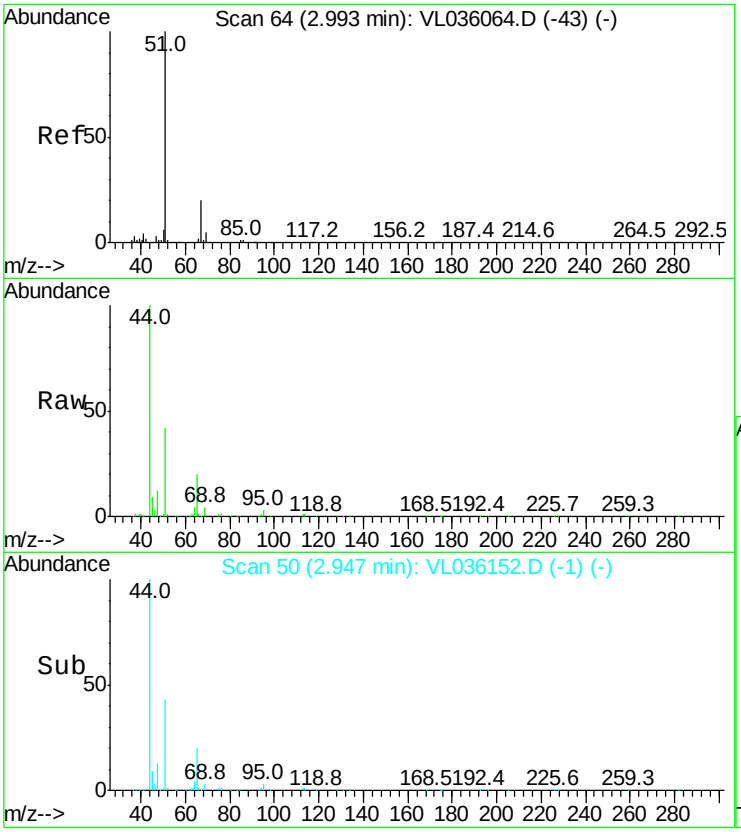




#2
Dichlorodifluoromethane
Concen: 0.290 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 85 Resp: 44380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 37.4 | 26.5 | 39.7 |



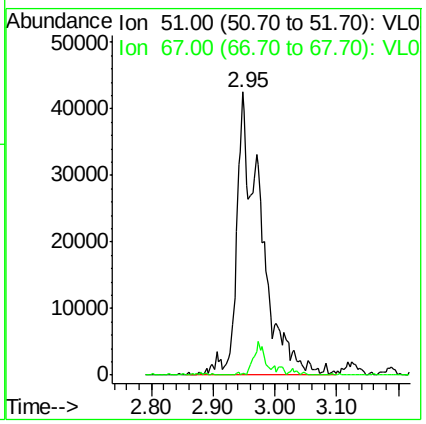


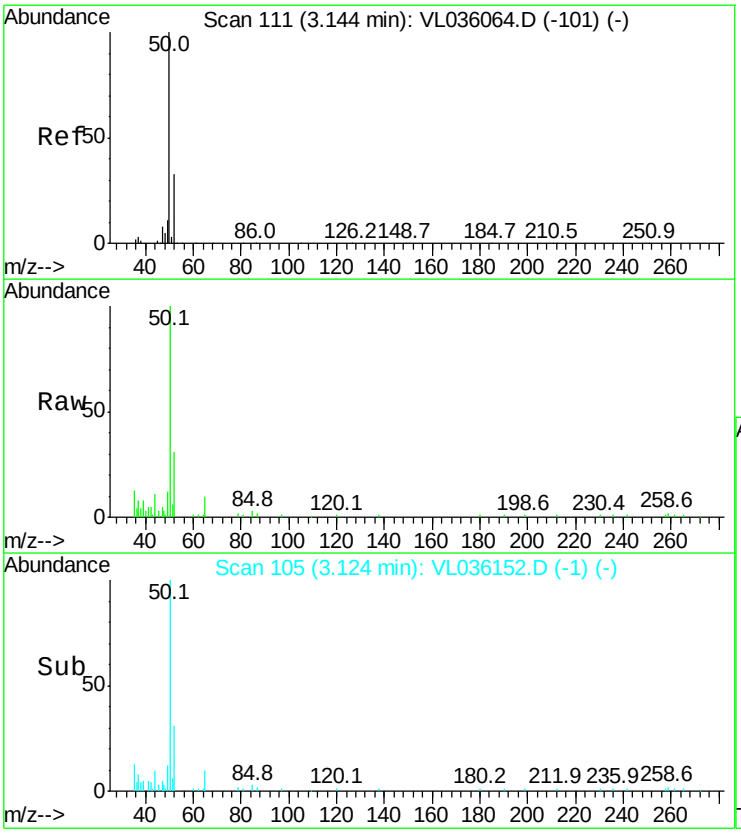

#3
Chlorodifluoromethane
Concen: 0.781 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.05 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

**Instrument :**
MSVOA_L
**ClientSampleId :**
48-1

Tgt Ion: 51 Resp: 117192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 5.6 | 14.3 | 21.5# |

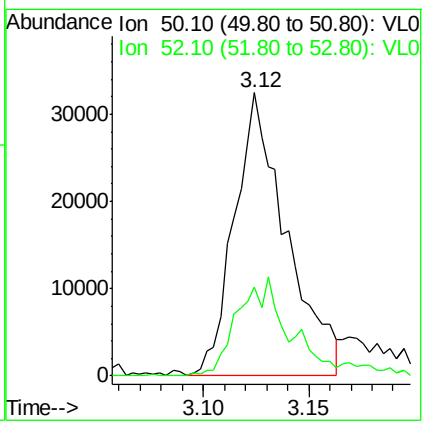


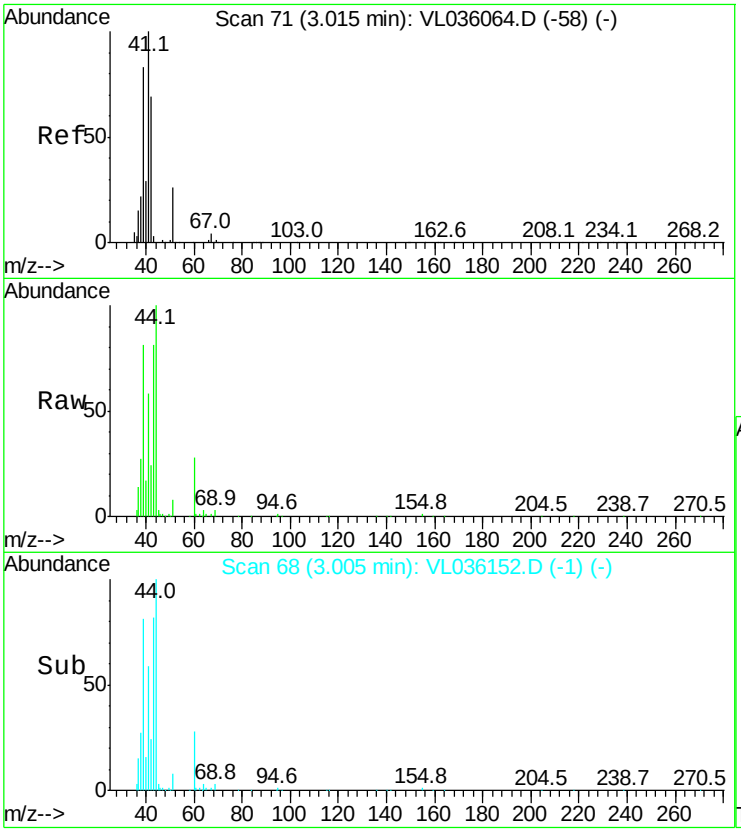




#4
Chloromethane
Concen: 0.755 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.02 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 50 Resp: 55634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.4 | 26.1 | 39.1 |

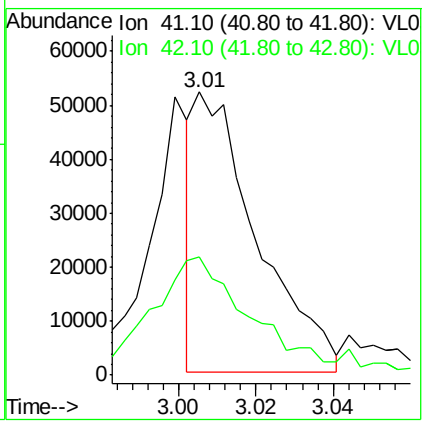




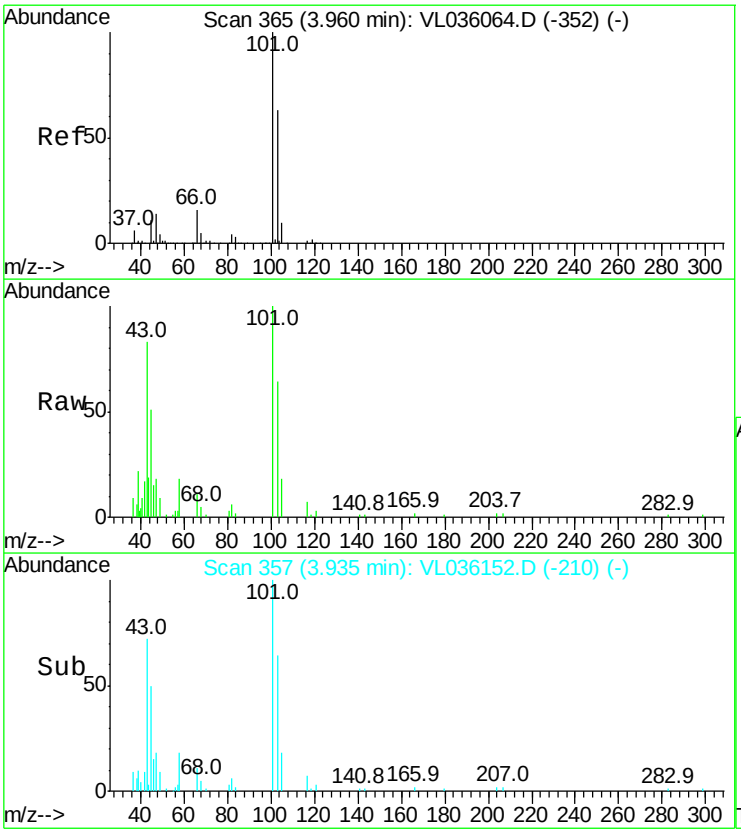

#9
Propene
Concen: 0.771 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.01 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 41 Resp: 57921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 75.1 | 57.0 | 85.6 |



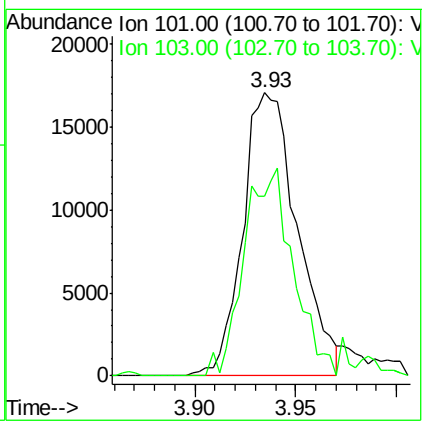

**Instrument :**
MSVOA_L
**ClientSampleId :**
48-1

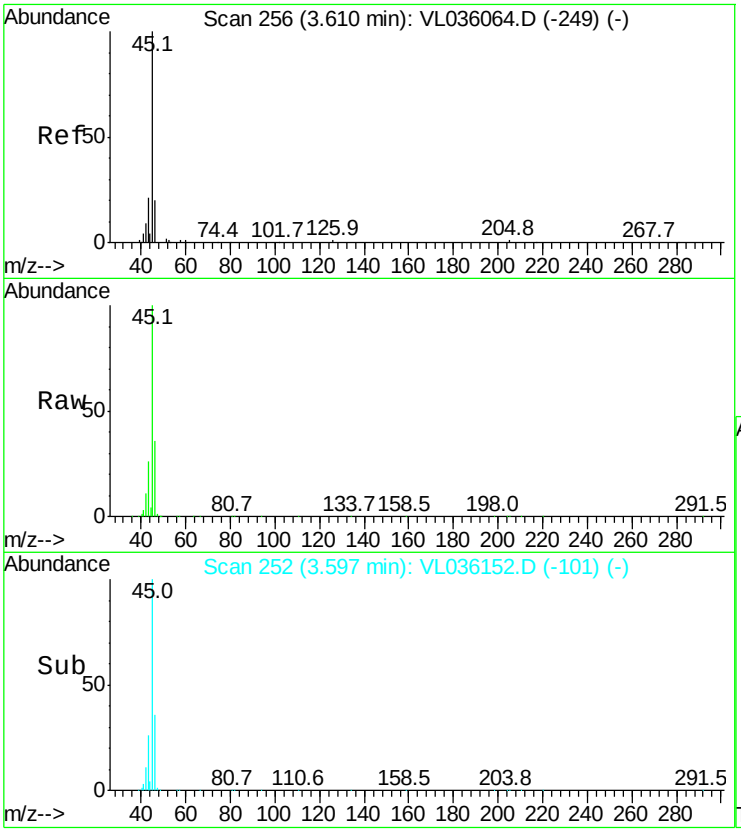



#11
Trichlorofluoromethane
Concen: 0.179 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.03 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion:101 Resp: 32194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.7 | 50.3 | 75.5 |



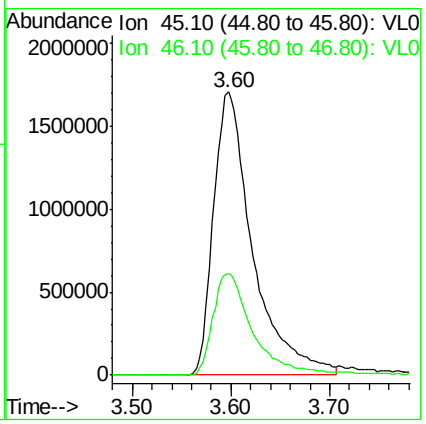


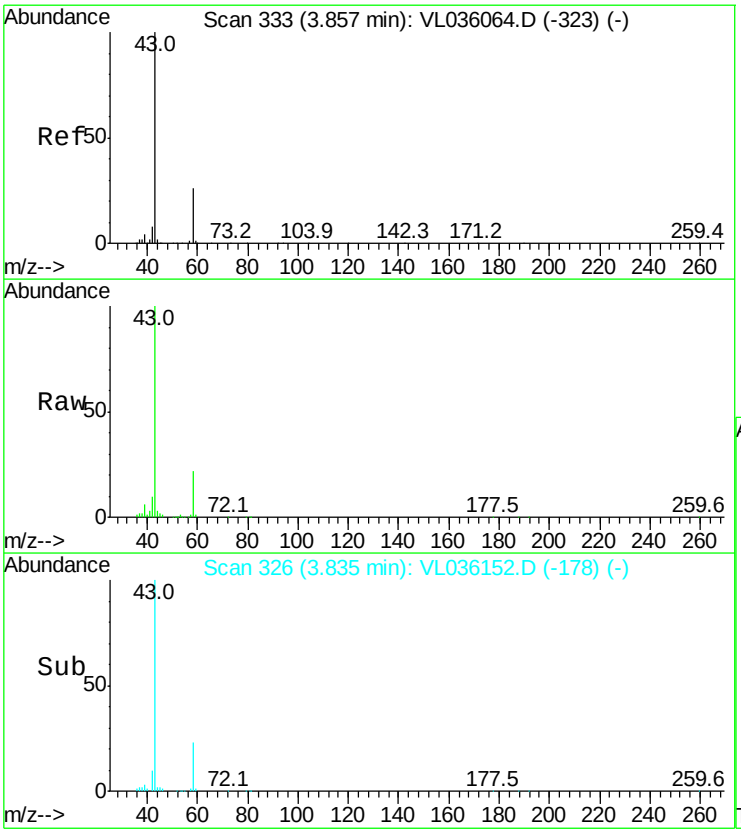

#13
Ethanol
Concen: 456.103 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

**Instrument :**
MSVOA_L
**ClientSampleId :**
48-1

Tgt Ion: 45 Resp: 4725316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 37.2 | 19.0 | 75.8 |

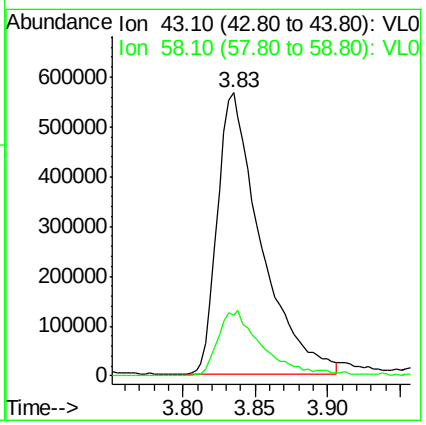


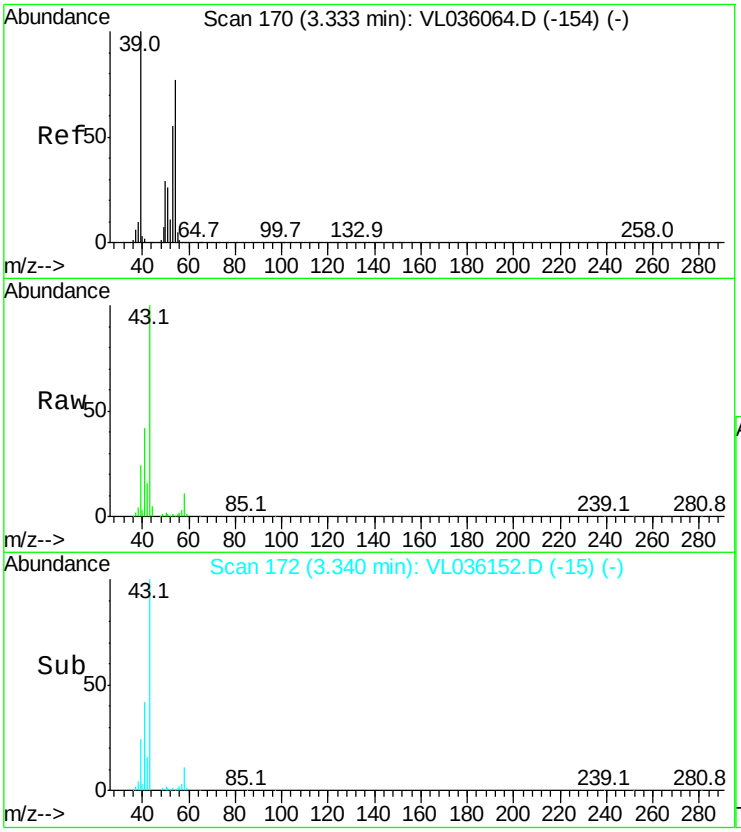




#15
Acetone
Concen: 7.469 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 43 Resp: 1180282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.2 | 20.9 | 31.3 |



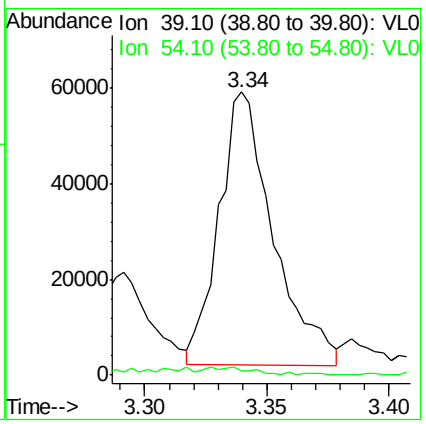


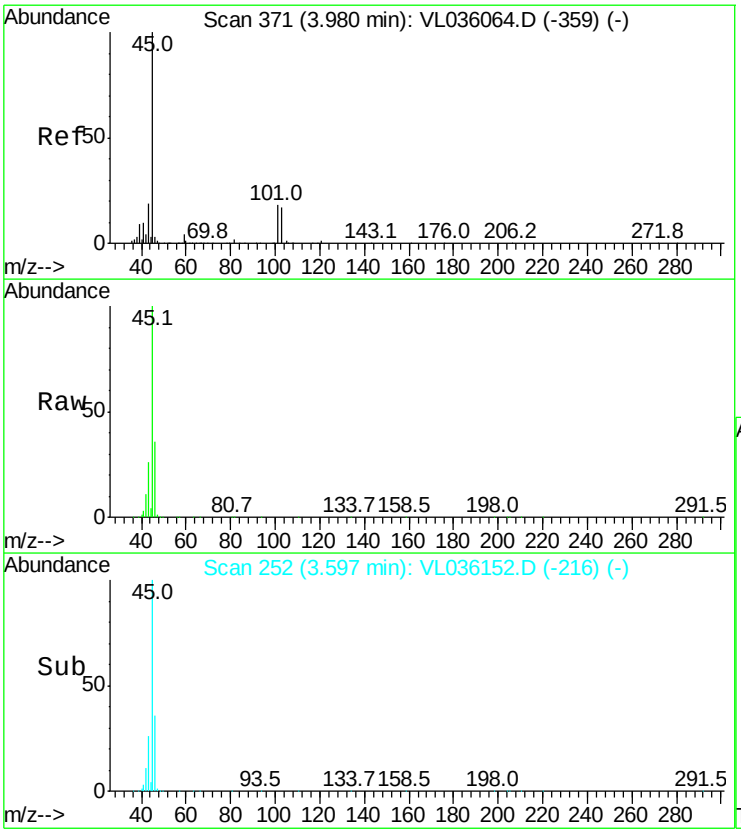

#16
1,3-Butadiene
Concen: 1.104 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

**Instrument :**
MSVOA_L
**ClientSampleId :**
48-1

Tgt Ion: 39 Resp: 87878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 5.9 | 62.1 | 93.1# |

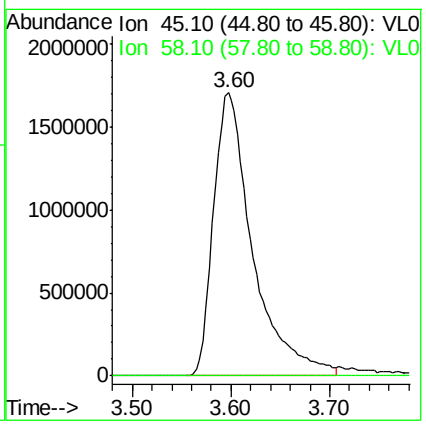


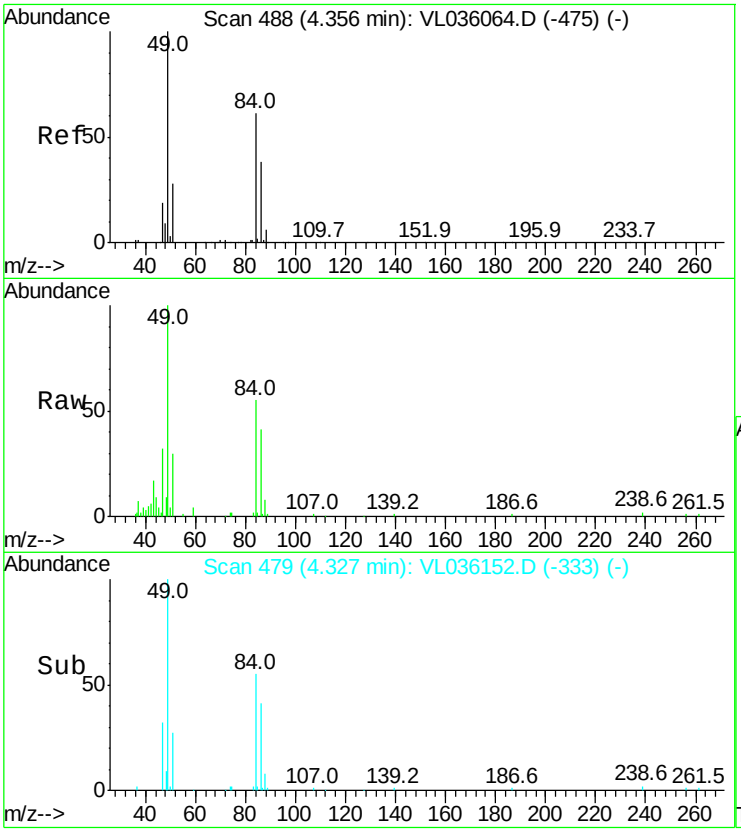




#19
Isopropyl Alcohol
Concen: 48.922 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.38 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 45 Resp: 4725316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 0.0 | 0.0 | 0.0 |



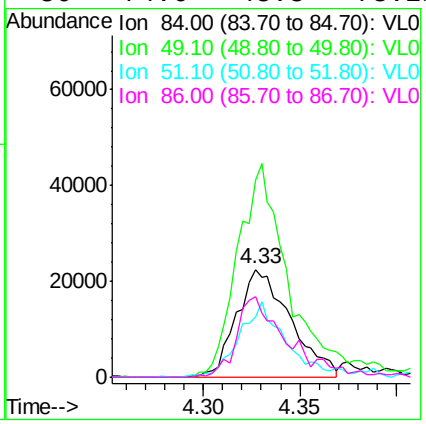


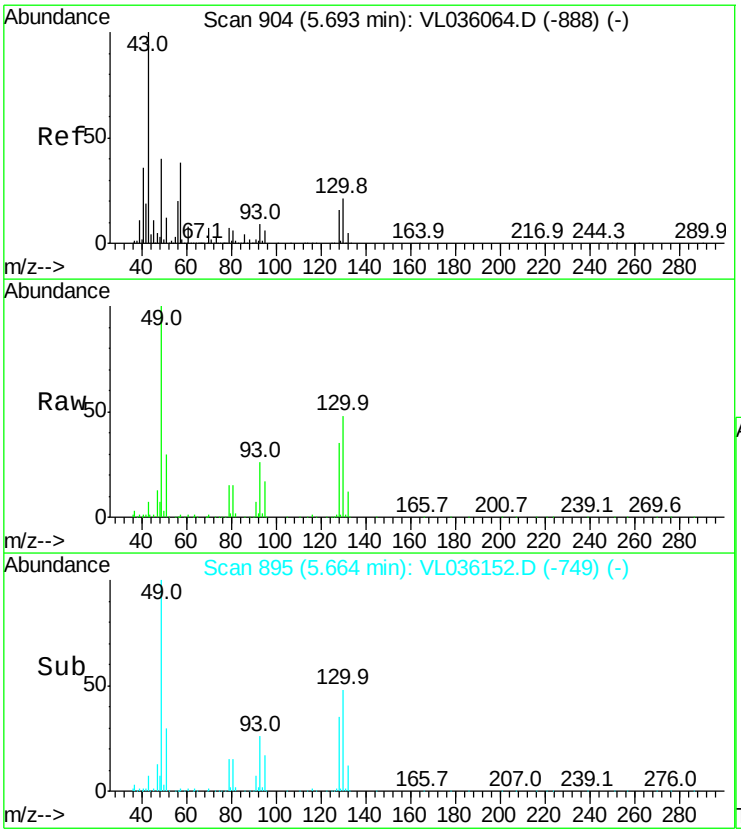

#20
Methylene Chloride
Concen: 0.671 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.03 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

**Instrument :** MSVOA_L
**ClientSampleId :** 48-1

Tgt Ion: 84 Resp: 43425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 182.8 | 133.0 | 199.4 |
| 51 | 54.4 | 38.9 | 58.3 |
| 86 | 74.6 | 48.8 | 73.2# |

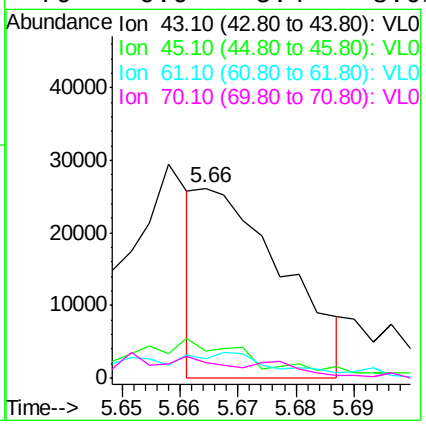


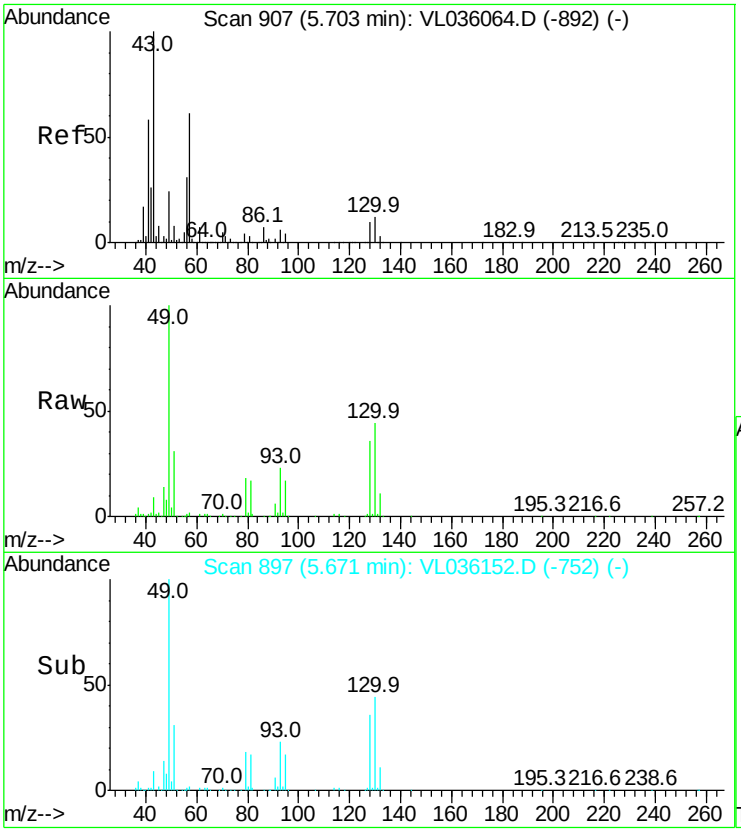




#25
Ethyl Acetate
Concen: 0.084 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.03 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 43 Resp: 26613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 34.3 | 8.2 | 12.4# |
| 61 | 26.5 | 7.4 | 11.2# |
| 70 | 0.0 | 5.4 | 8.0# |



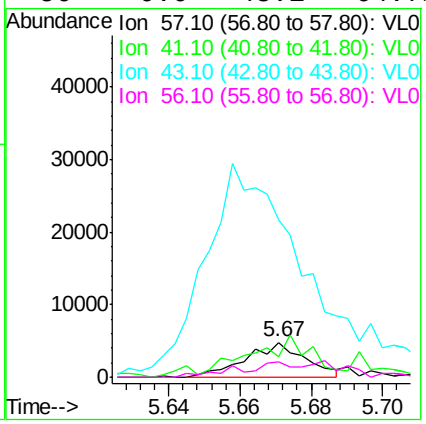


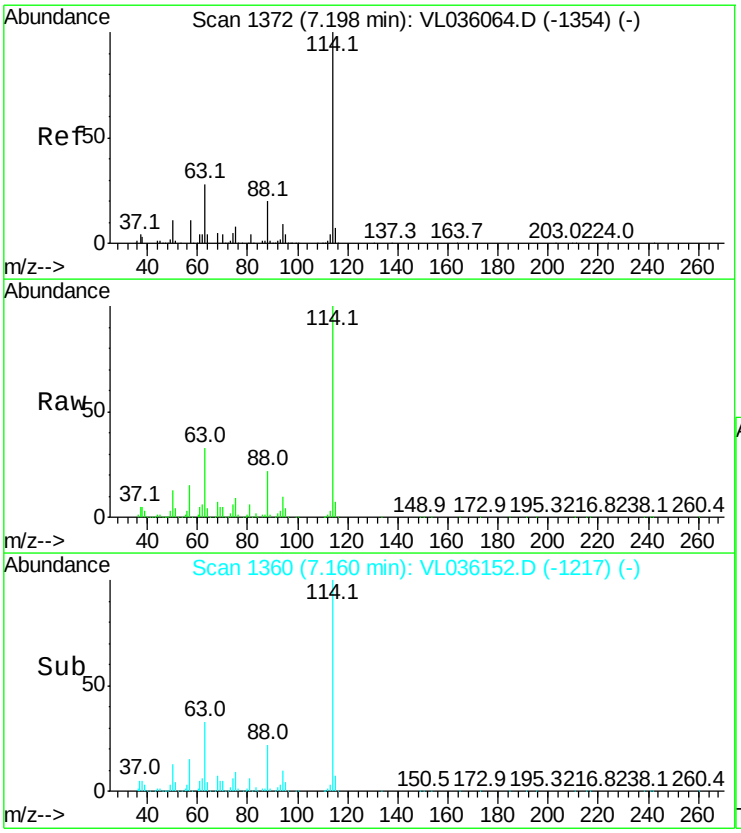

#26
Hexane
Concen: 0.039 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

**Instrument :**
MSVOA_L
**ClientSampleId :**
48-1

Tgt Ion: 57 Resp: 5543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 187.6 | 82.9 | 124.3# |
| 43 | 1119.6 | 199.9 | 299.9# |
| 56 | 0.0 | 43.1 | 64.7# |

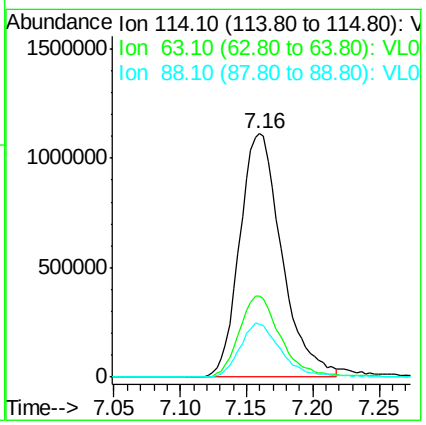


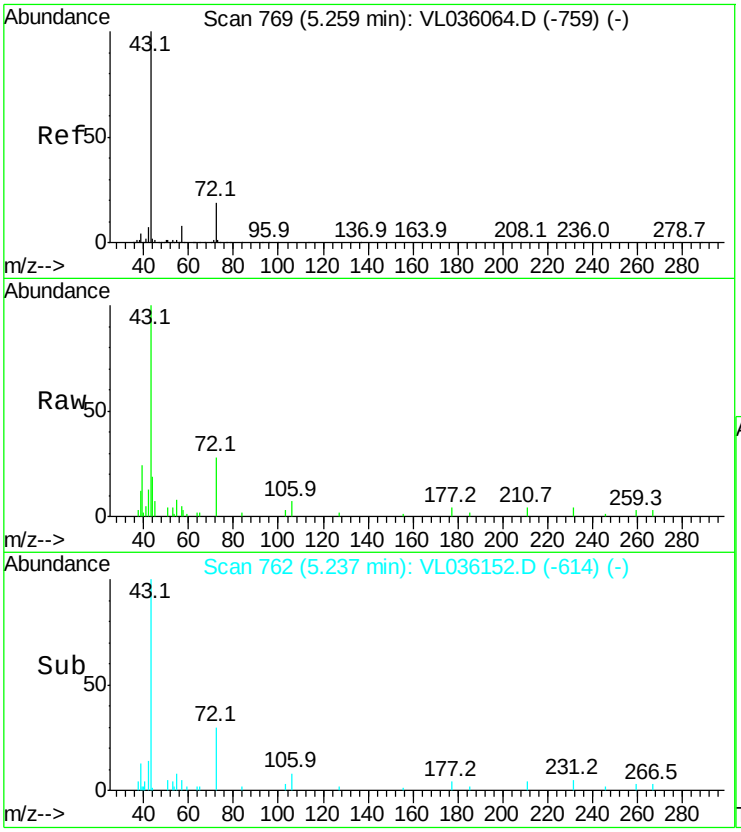




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.04 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion:114 Resp: 2460575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 33.4 | 23.6 | 35.4 |
| 88 | 21.9 | 15.8 | 23.6 |



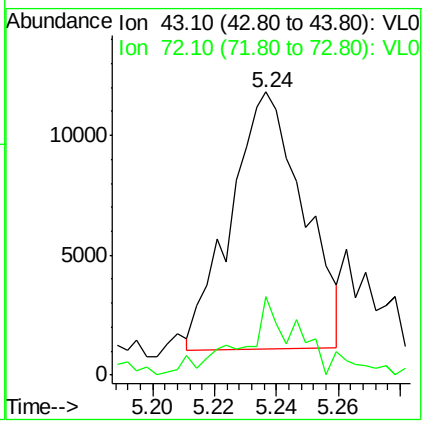


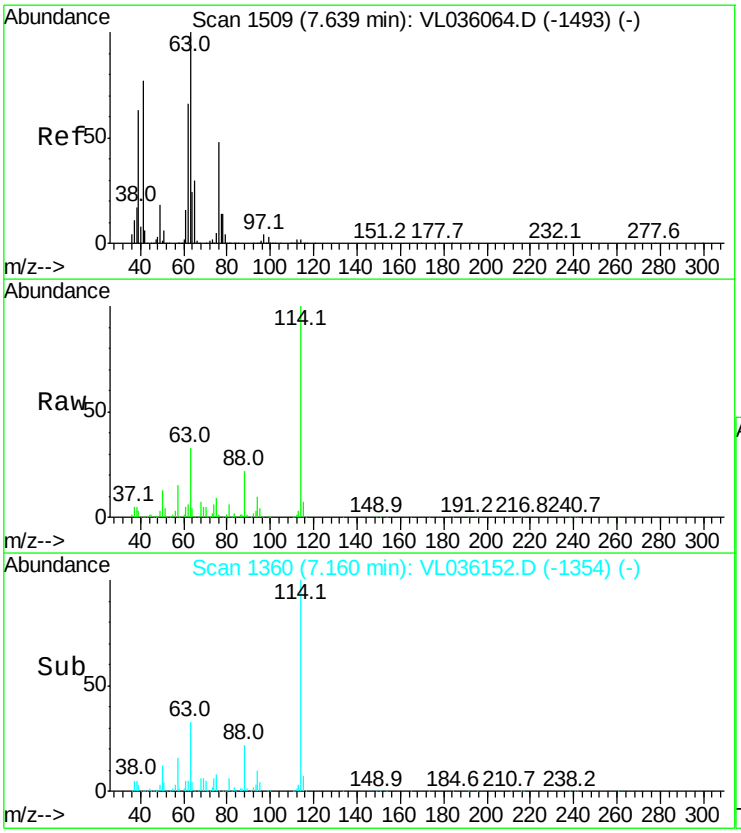

#34
2-Butanone
Concen: 0.107 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.02 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

**Instrument :**
MSVOA_L
**ClientSampleId :**
48-1

Tgt Ion: 43 Resp: 17491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.0 | 16.5 | 24.7# |

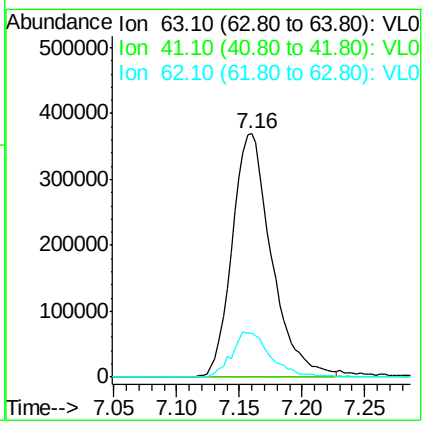


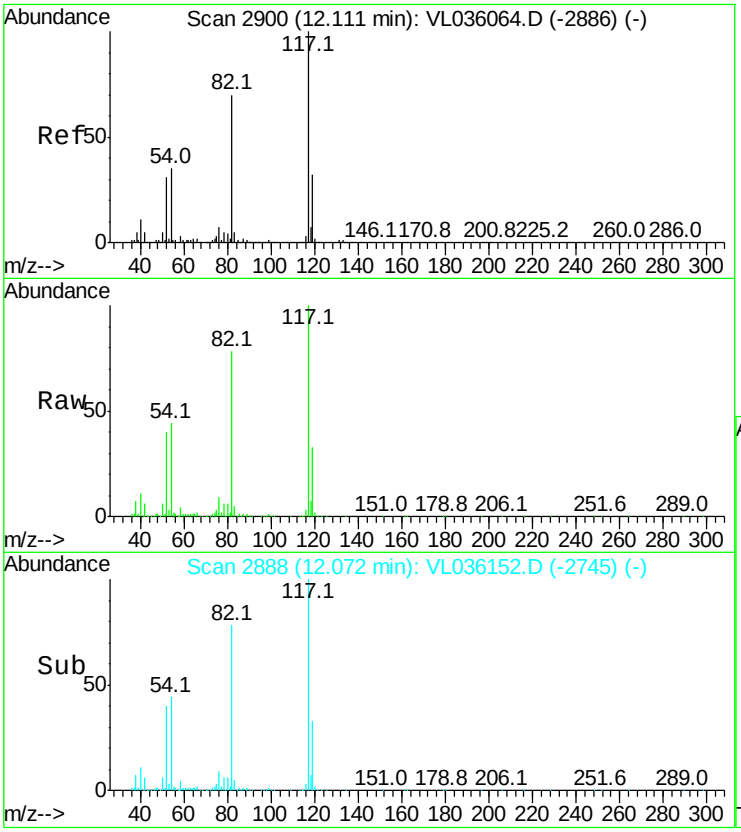




#39
1,2-Dichloropropane
Concen: 9.786 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.48 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 63 Resp: 805858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.2 | 61.9 | 92.9# |
| 62 | 17.9 | 52.5 | 78.7# |



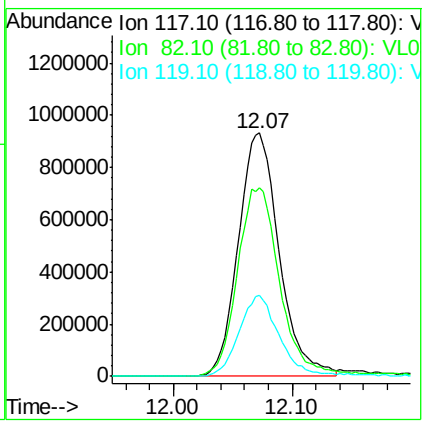


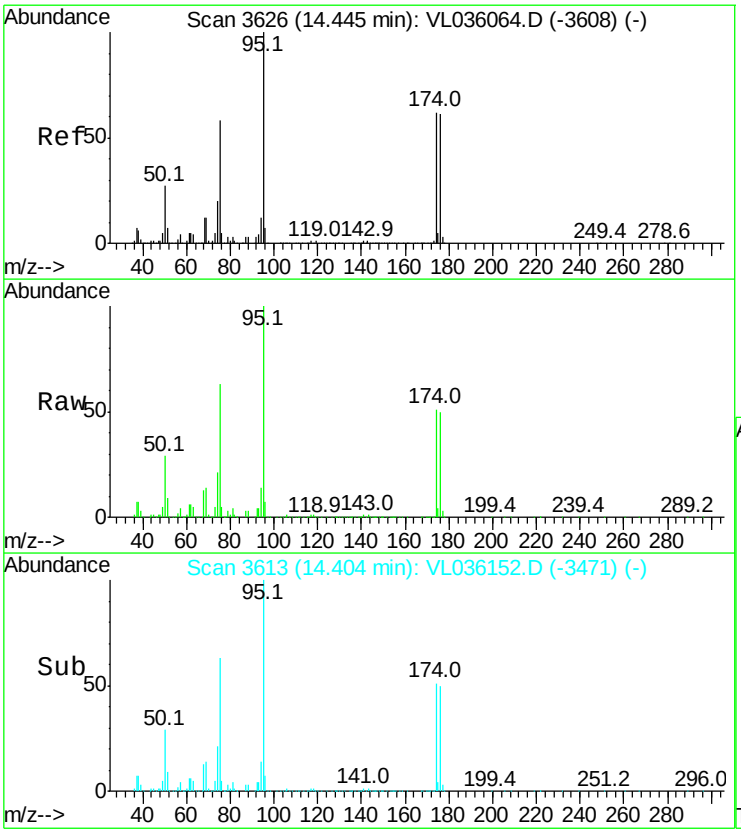

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

**Instrument :**
MSVOA_L
**ClientSampleId :**
48-1

Tgt Ion:117 Resp: 2216522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 81.8 | 0.0 | 0.0# |
| 119 | 33.5 | 0.0 | 0.0# |




#68
1-Bromo-4-Fluorobenzene
Concen: 10.558 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.04 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 95 Resp: 1858212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 57.7 | 50.7 | 76.1 |
| 175 | 3.9 | 4.0 | 6.0# |