Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

Quantitation Report (Not Reviewed)

Data File : VL034690.D
Acq On : 26 Feb 2020 16:29
Operator : SY/AP
Sample : L1664-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** CR-103-BRWDL

Quant Time: Feb 27 07:28:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.66 | 49 | 1020029 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.18 | 114 | 2062653 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.11 | 117 | 2070230 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.45 | 95 | 1743430 | 10.27 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 102.70% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.01 | 85 | 4337 | 0.027 | ppbv # | 38 |
| 3) Chlorodifluoromethane | 2.96 | 51 | 4977 | 0.045 | ppbv | 95 |
| 4) Chloromethane | 3.10 | 50 | 3007 | 0.049 | ppbv | 93 |
| 9) Propene | 2.97 | 41 | 1623 | 0.035 | ppbv | 88 |
| 11) Trichlorofluoromethane | 3.92 | 101 | 3424 | 0.024 | ppbv # | 61 |
| 13) Ethanol | 3.59 | 45 | 40363 | 2.777 | ppbv | 73 |
| 15) Acetone | 3.84 | 43 | 61325 | 0.528 | ppbv | 97 |
| 19) Isopropyl Alcohol | 3.96 | 45 | 5845 | 0.084 | ppbv # | 94 |
| 20) Methylene Chloride | 4.32 | 84 | 18627 | 0.431 | ppbv # | 69 |
| 25) Ethyl Acetate | 5.68 | 43 | 17134 | 0.083 | ppbv # | 76 |
| 26) Hexane | 5.68 | 57 | 22382 | 0.236 | ppbv # | 39 |
| 39) 1,2-Dichloropropane | 7.18 | 63 | 595666 | 8.404 | ppbv # | 23 |
| 53) Toluene | 9.82 | 91 | 22423 | 0.118 | ppbv # | 39 |

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

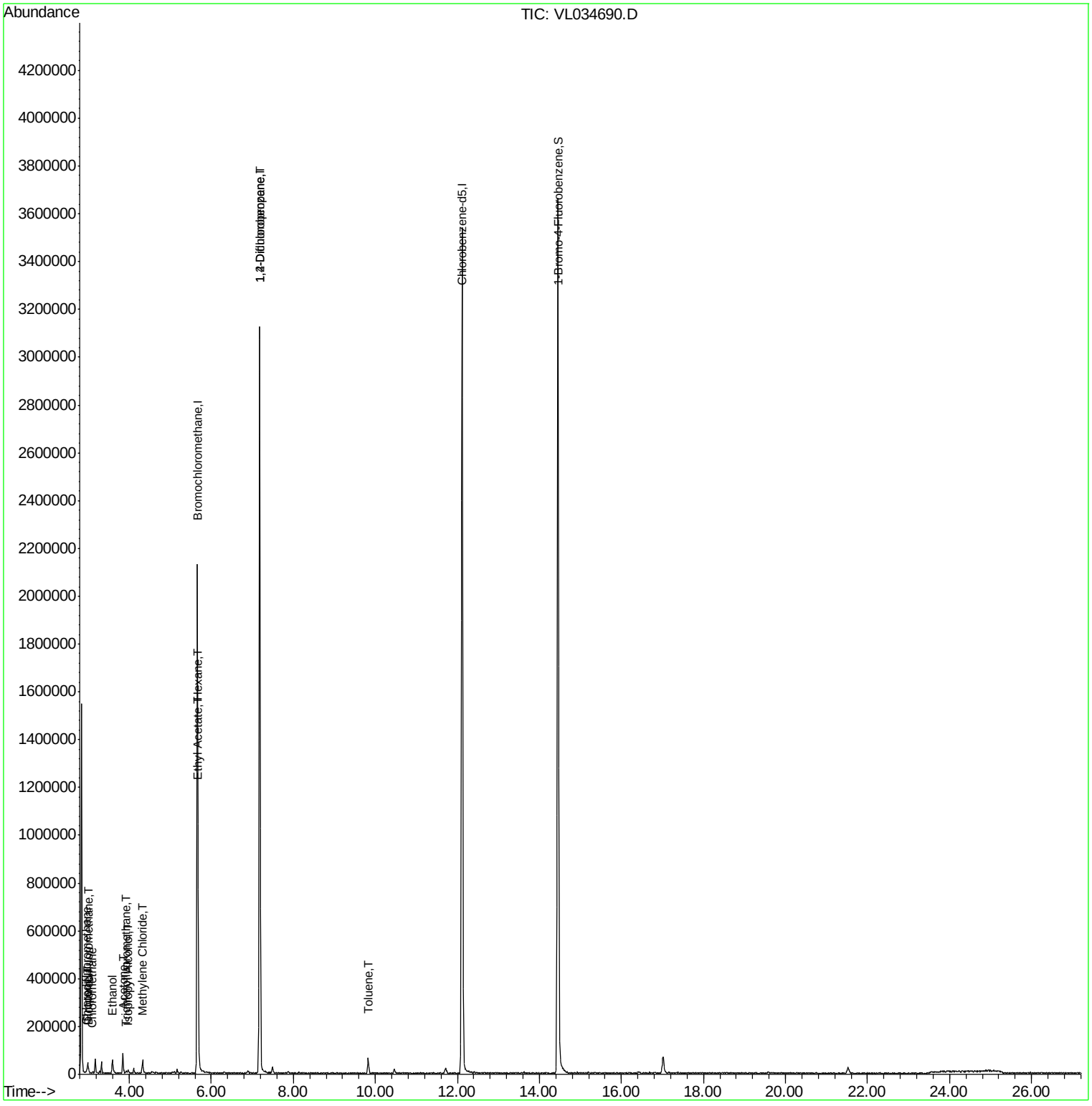
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

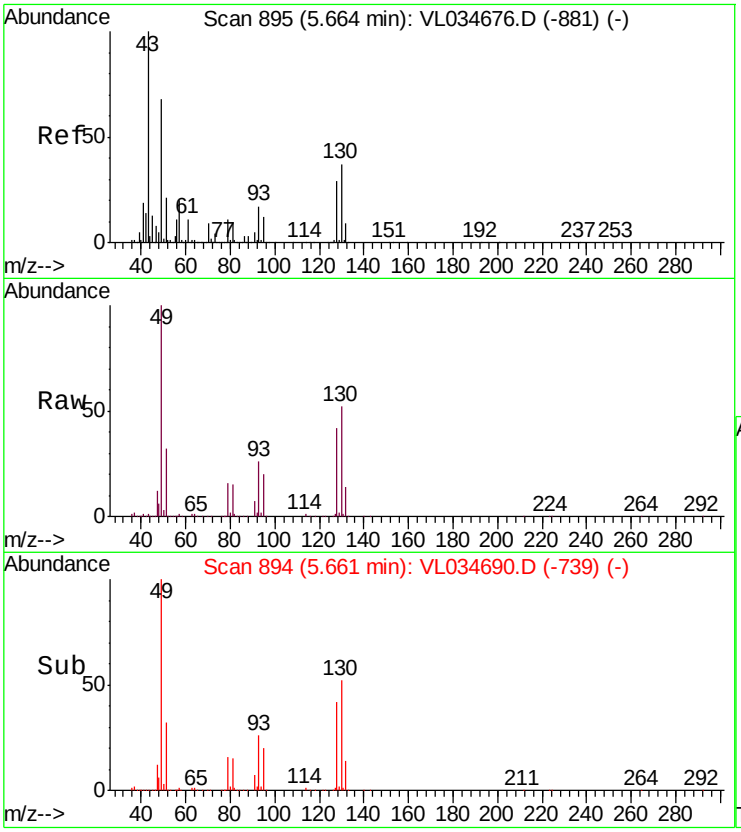
Quantitation Report (Not Reviewed)

Data File : VL034690.D
Acq On : 26 Feb 2020 16:29
Operator : SY/AP
Sample : L1664-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** CR-103-BRWDL

Quant Time: Feb 27 07:28:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration



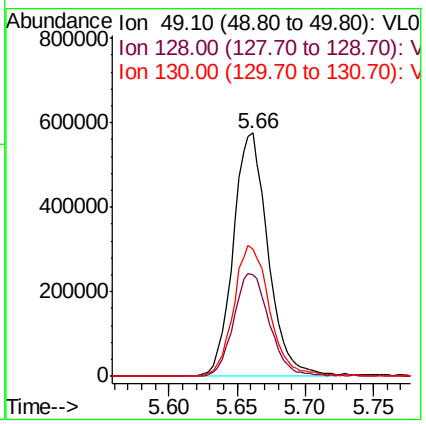


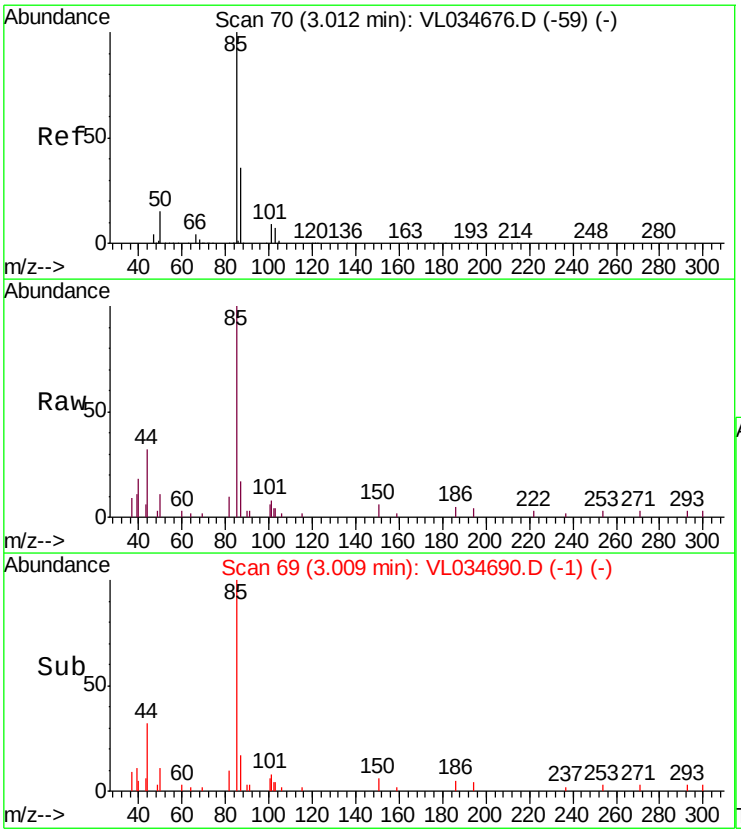

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :**
MSVOA_L
**ClientSampleId :**
CR-103-BRWDL

Tgt Ion: 49 Resp: 1020029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 44.1 | 21.6 | 65.0 |
| 130 | 56.1 | 27.7 | 83.1 |

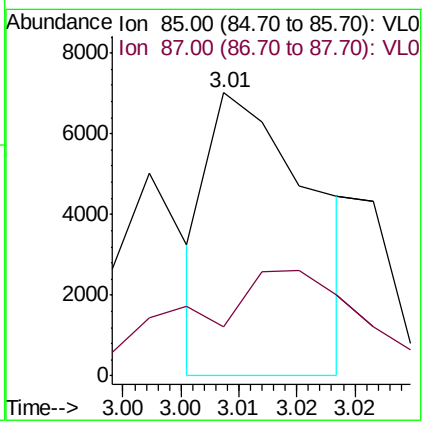


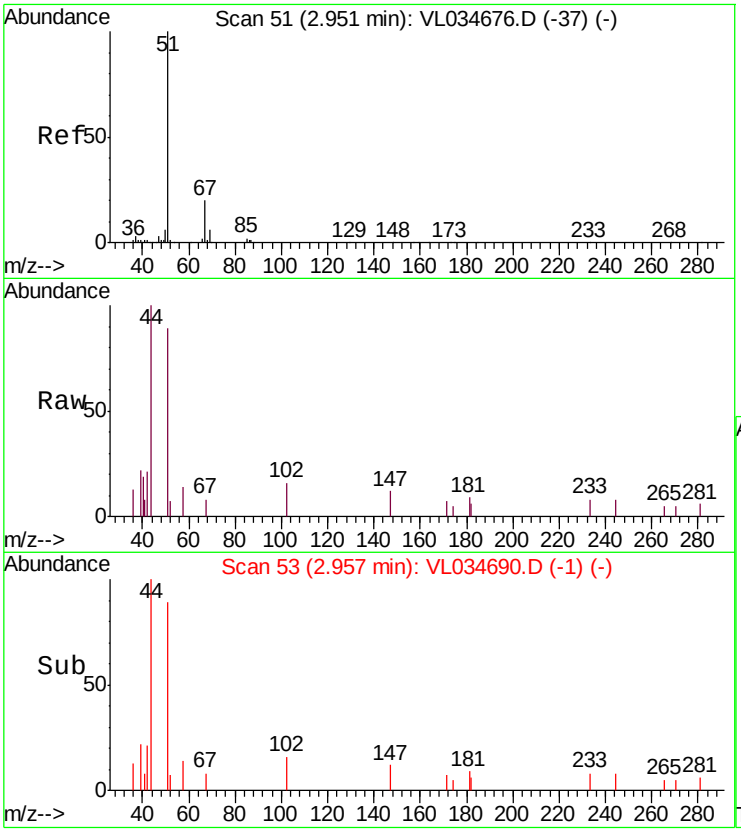




#2
Dichlorodifluoromethane
Concen: 0.027 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

Tgt Ion: 85 Resp: 4337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 29.2 | 43.8# |



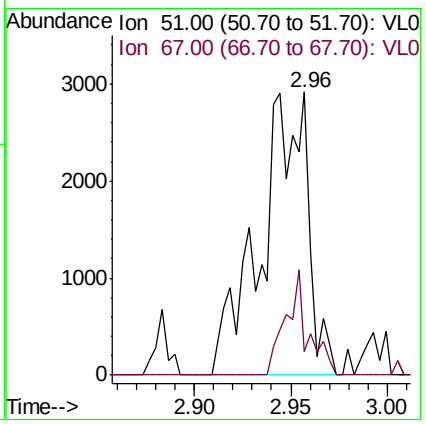


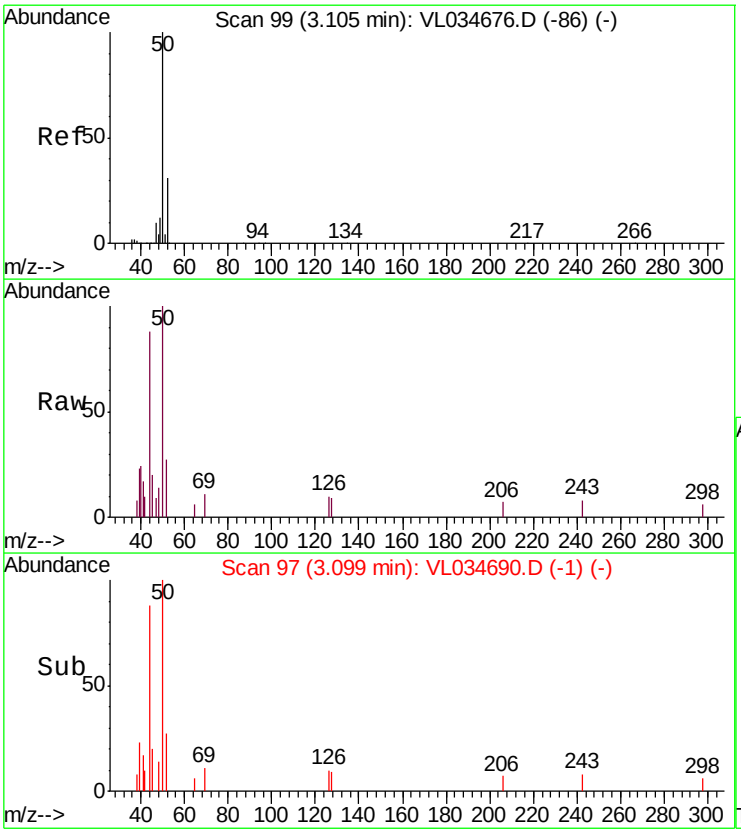

#3
Chlorodifluoromethane
Concen: 0.045 ppbv
RT: 2.96 min Scan# 53
Delta R.T. 0.01 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :** MSVOA_L
**ClientSampleId :** CR-103-BRWDL

Tgt Ion: 51 Resp: 4977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 17.3 | 15.5 | 23.3 |

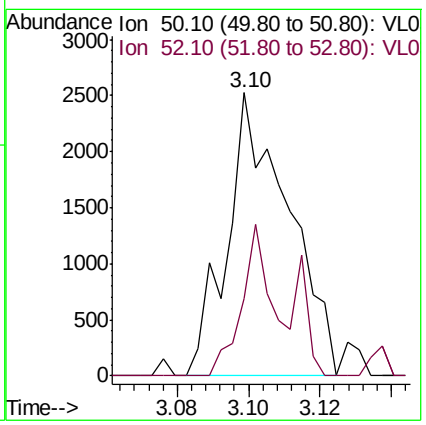


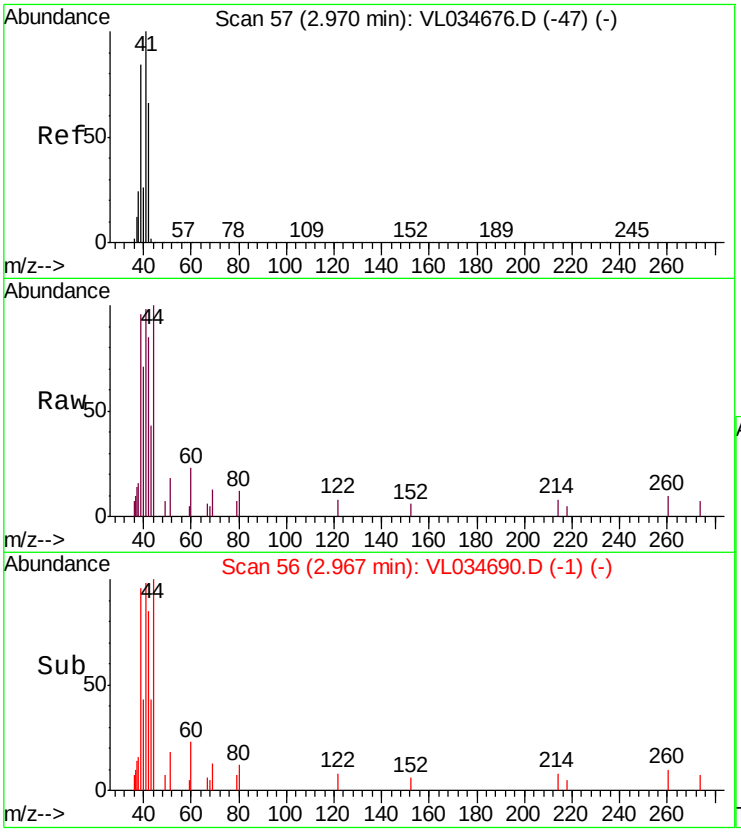




#4
Chloromethane
Concen: 0.049 ppbv
RT: 3.10 min Scan# 97
Delta R.T. -0.01 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

Tgt Ion: 50 Resp: 3007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 27.2 | 25.0 | 37.4 |



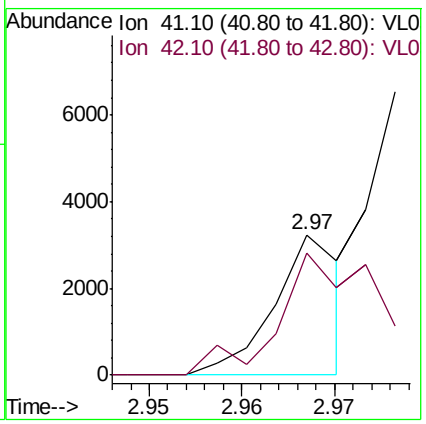


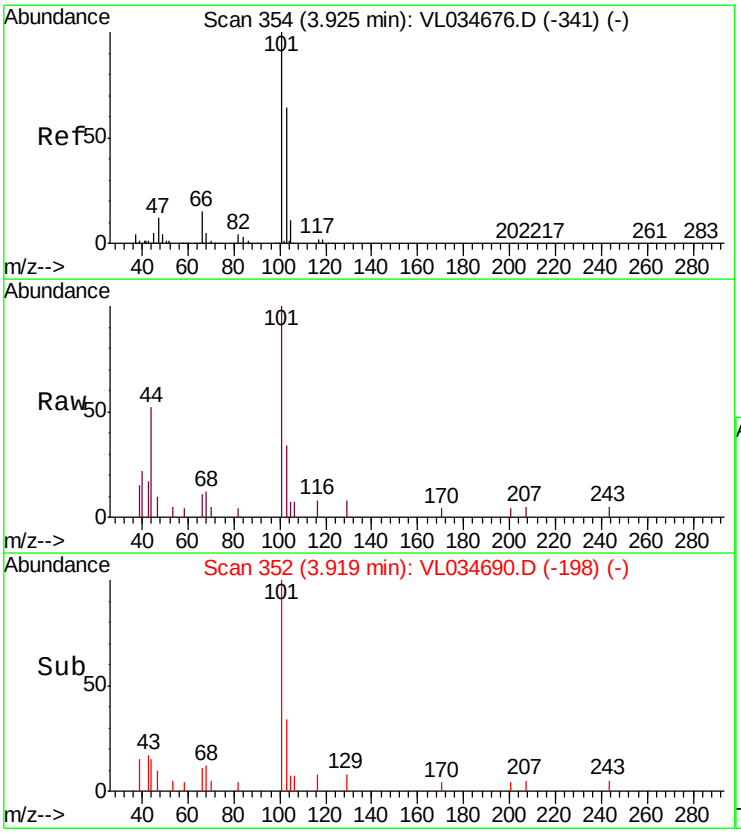

#9
Propene
Concen: 0.035 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.00 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :**
MSVOA_L
**ClientSampleId :**
CR-103-BRWDL

Tgt Ion: 41 Resp: 1623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 78.6 | 54.9 | 82.3 |

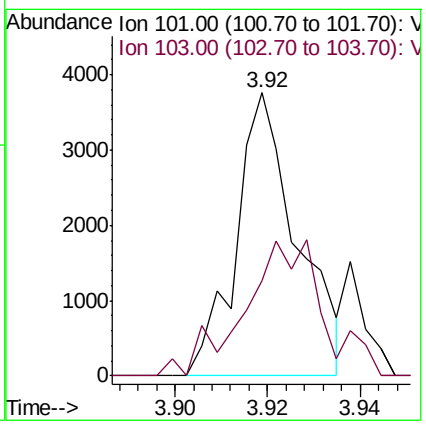


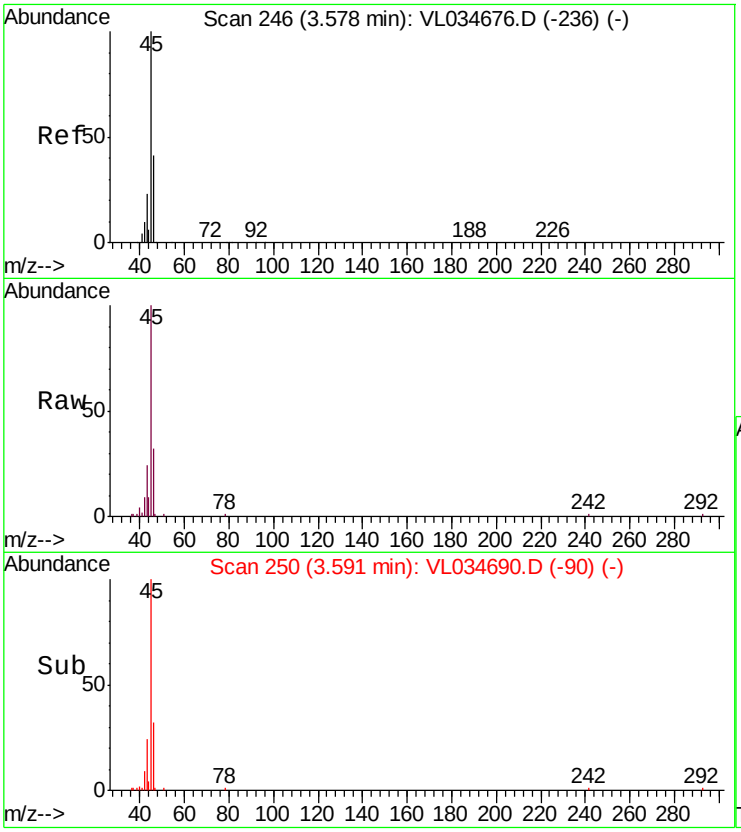




#11
Trichlorofluoromethane
Concen: 0.024 ppbv
RT: 3.92 min Scan# 352
Delta R.T. -0.01 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

Tgt Ion:101 Resp: 3424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 33.7 | 51.2 | 76.8# |



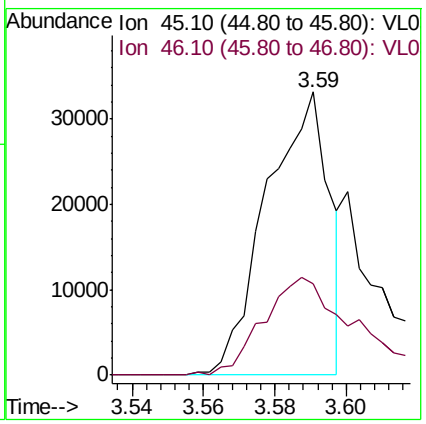


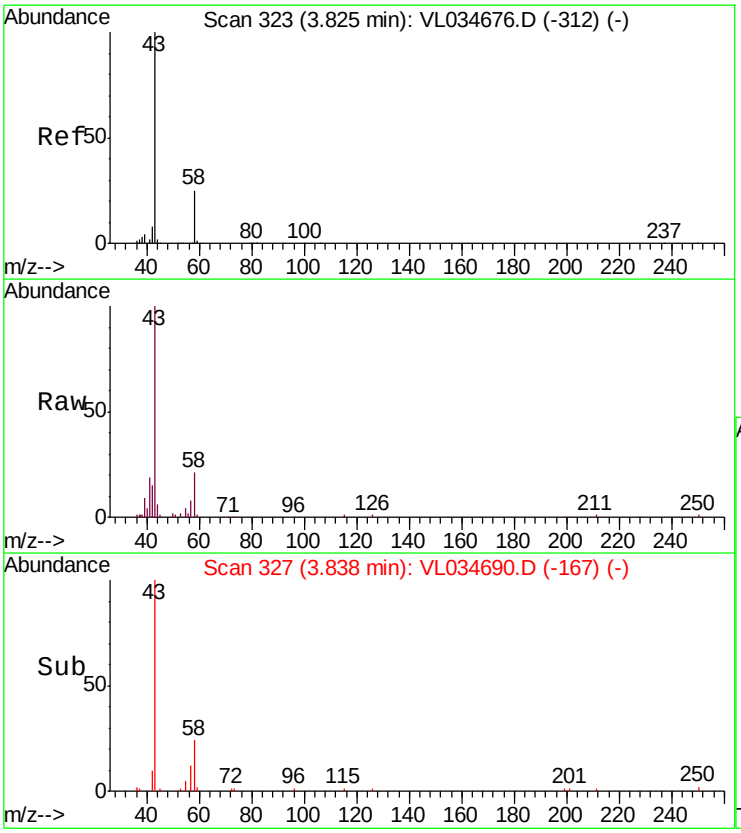

#13
Ethanol
Concen: 2.777 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :**
MSVOA_L
**ClientSampleId :**
CR-103-BRWDL

Tgt Ion: 45 Resp: 40363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 54.8 | 15.4 | 61.4 |

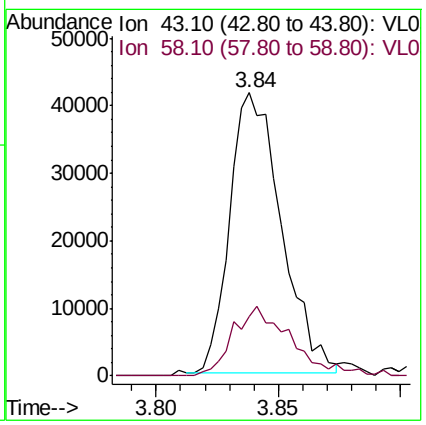


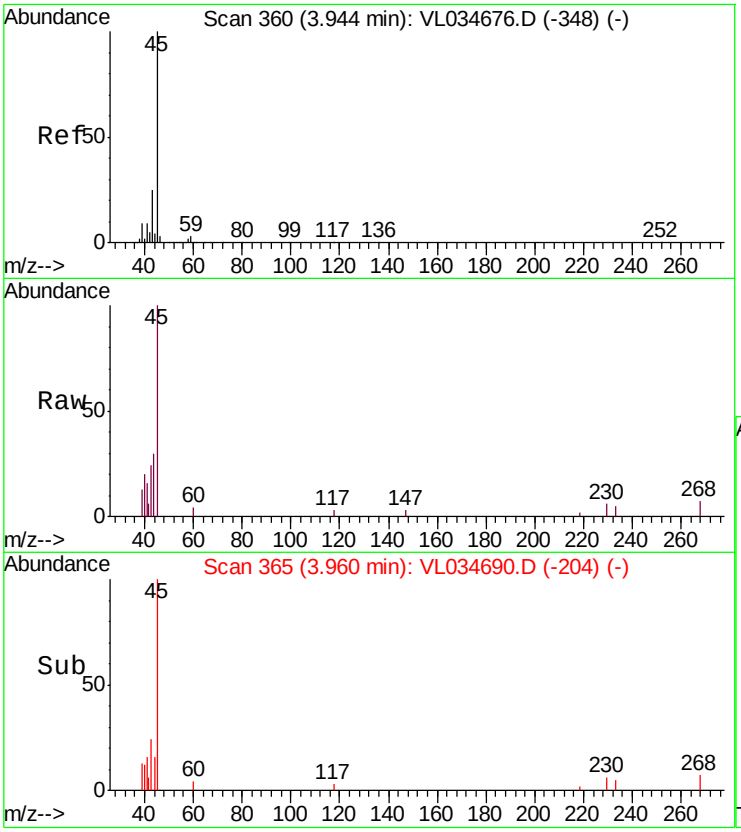




#15
Acetone
Concen: 0.528 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

Tgt Ion: 43 Resp: 61325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.2 | 21.4 | 32.0 |



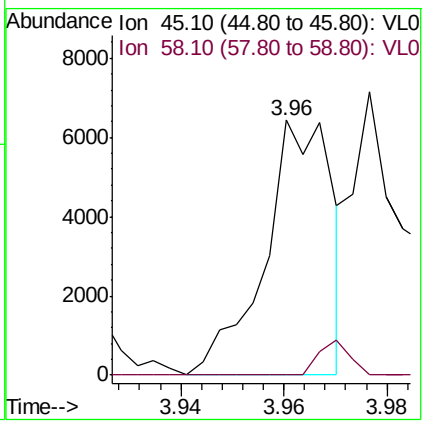


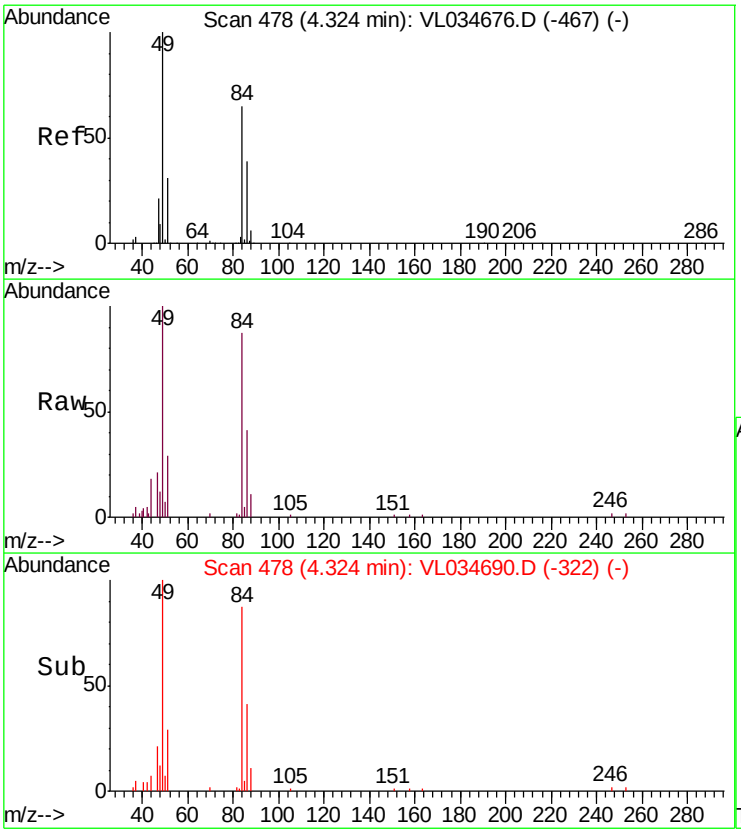

#19
Isopropyl Alcohol
Concen: 0.084 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.02 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :** MSVOA_L
**ClientSampleId :** CR-103-BRWDL

Tgt Ion: 45 Resp: 5845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 0.0 | 1.8 | 2.6# |

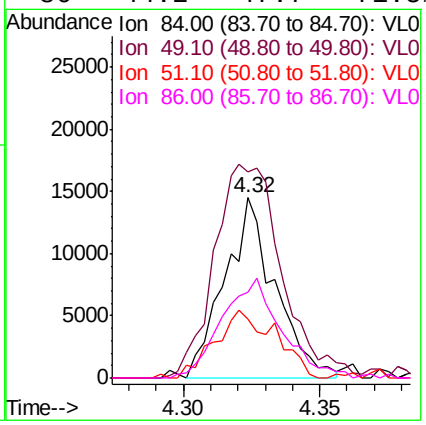


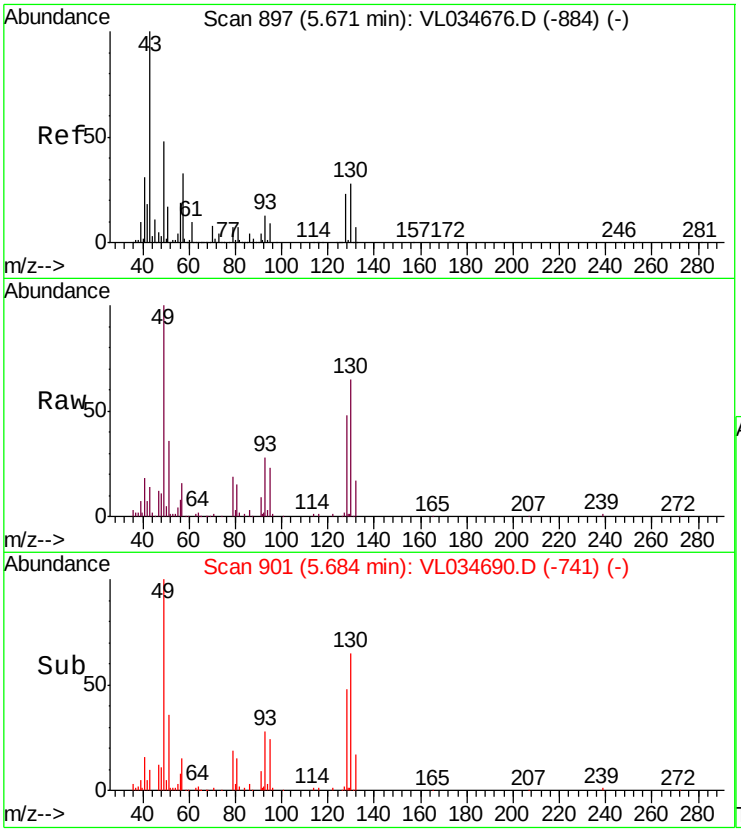




#20
Methylene Chloride
Concen: 0.431 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

Tgt Ion: 84 Resp: 18627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 106.5 | 122.8 | 184.2# |
| 51 | 30.7 | 38.6 | 58.0# |
| 86 | 44.2 | 47.7 | 71.5# |



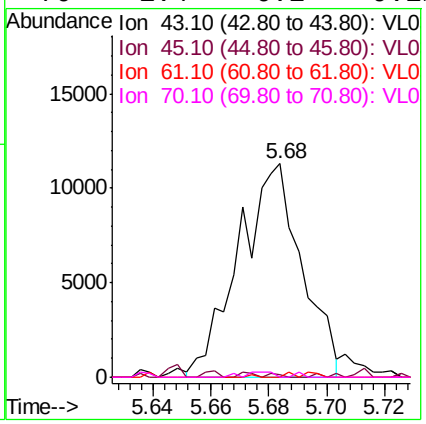


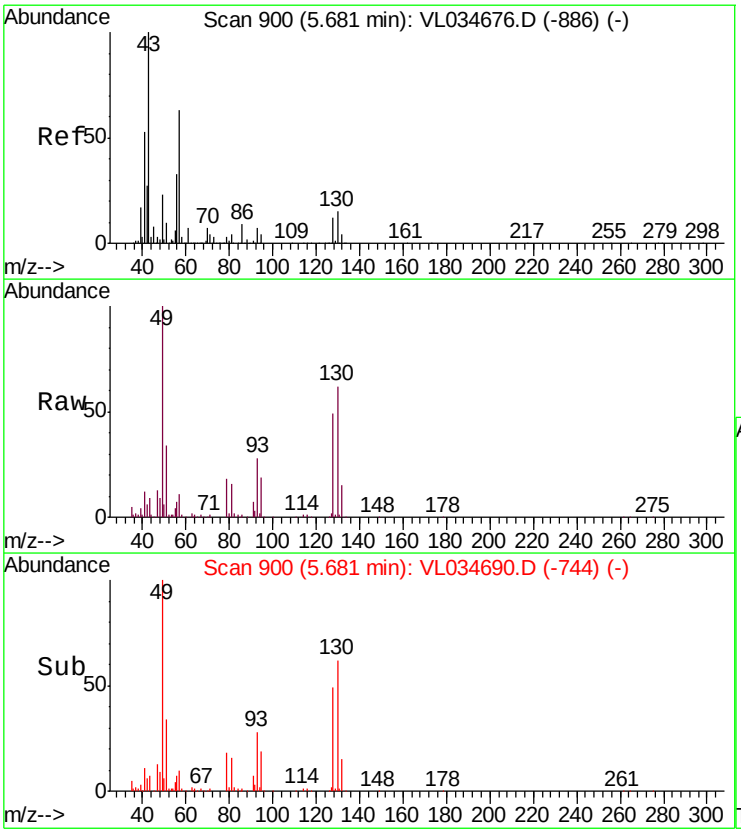

#25
Ethyl Acetate
Concen: 0.083 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :** MSVOA_L
**ClientSampleId :** CR-103-BRWDL

Tgt Ion: 43 Resp: 17134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 0.0 | 8.2 | 12.4# |
| 61 | 0.0 | 7.8 | 11.6# |
| 70 | 1.4 | 6.1 | 9.1# |

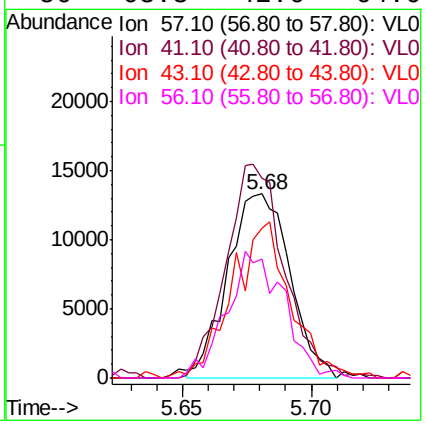


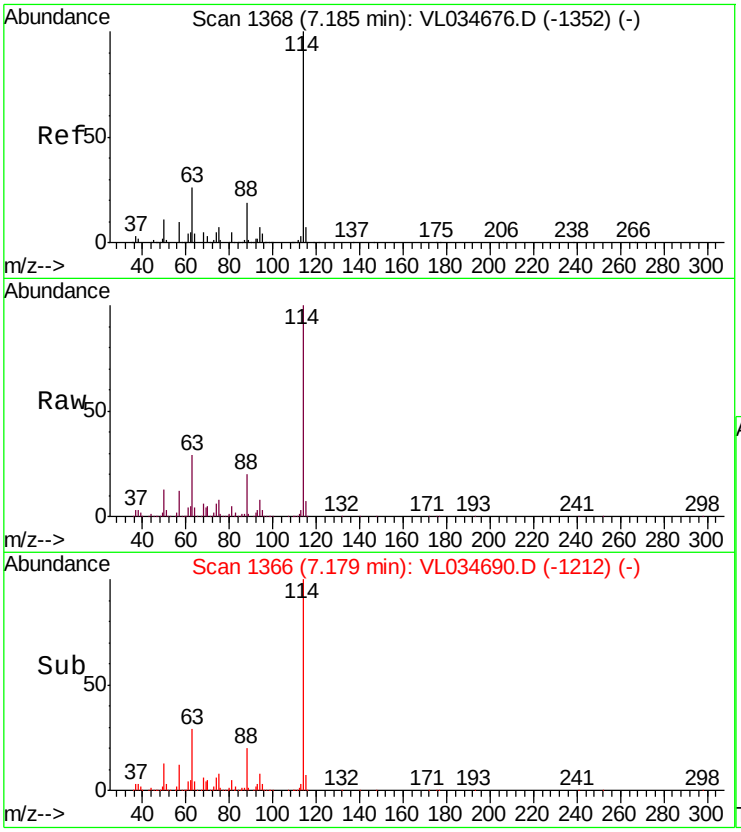




#26
Hexane
Concen: 0.236 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

Tgt Ion: 57 Resp: 22382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 110.7 | 70.3 | 105.5# |
| 43 | 80.9 | 177.0 | 265.4# |
| 56 | 63.3 | 42.6 | 64.0 |



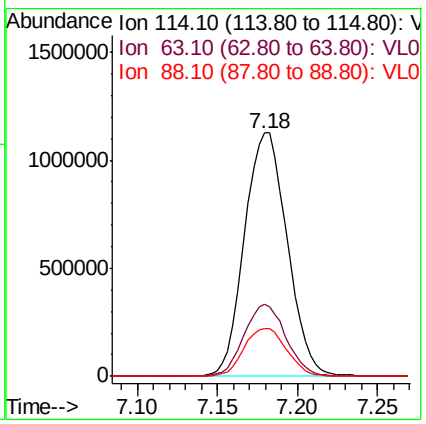


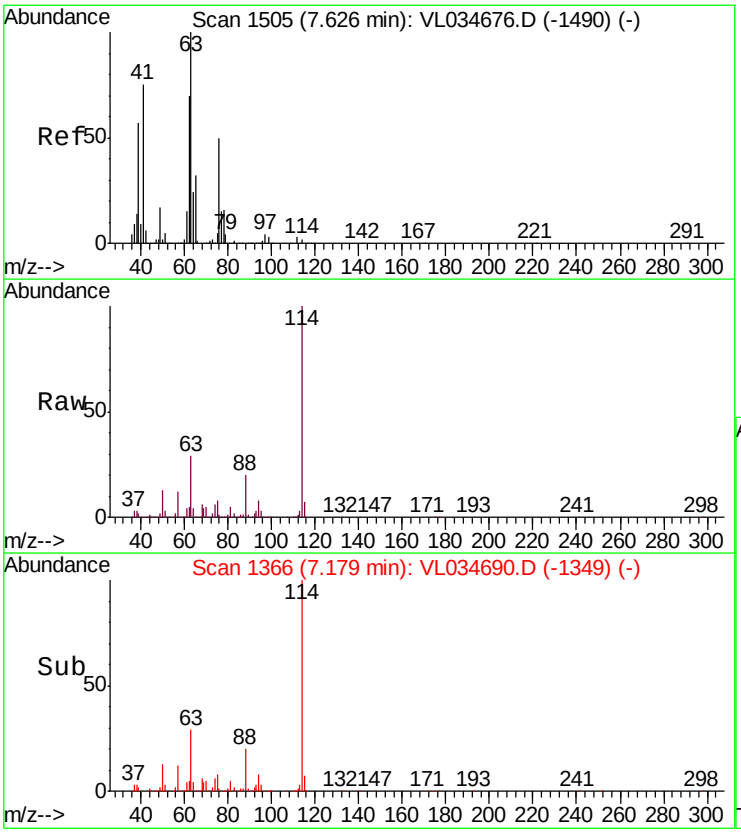

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :**
MSVOA_L
**ClientSampleId :**
CR-103-BRWDL

Tgt Ion:114 Resp: 2062653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 29.1 | 22.9 | 34.3 |
| 88 | 19.8 | 15.8 | 23.6 |

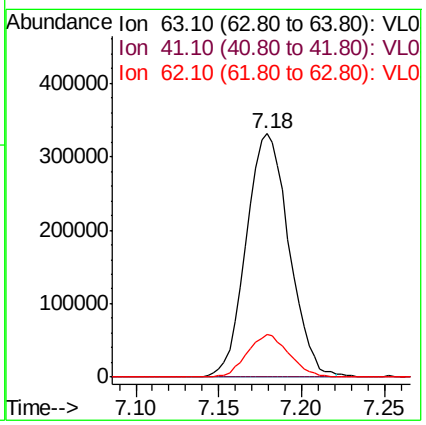


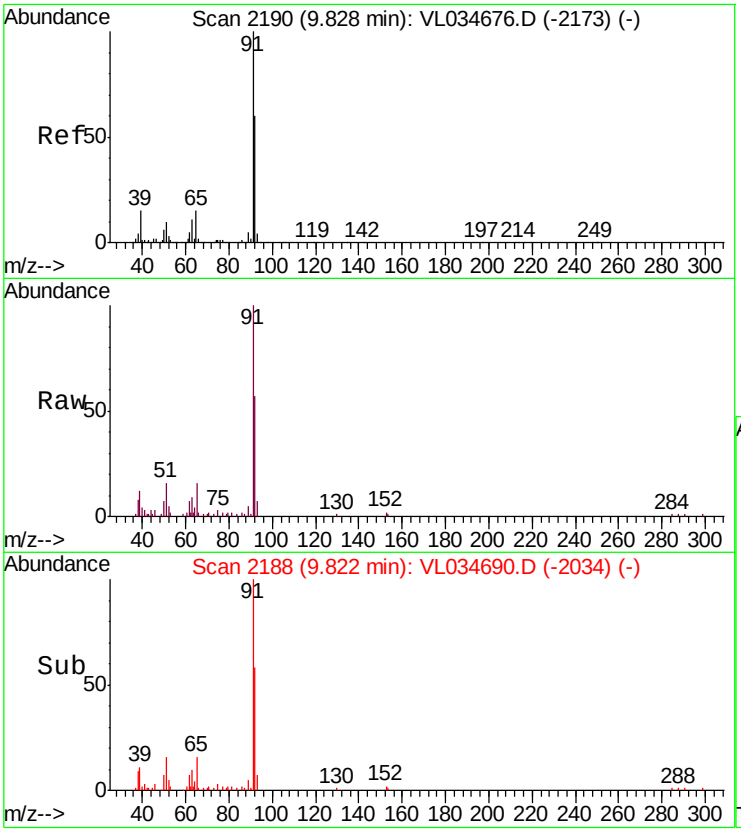




#39
1,2-Dichloropropane
Concen: 8.404 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.45 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

Tgt Ion: 63 Resp: 595666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.0 | 60.2 | 90.4# |
| 62 | 17.6 | 56.3 | 84.5# |



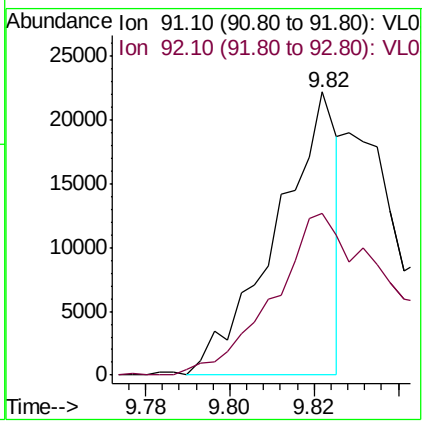


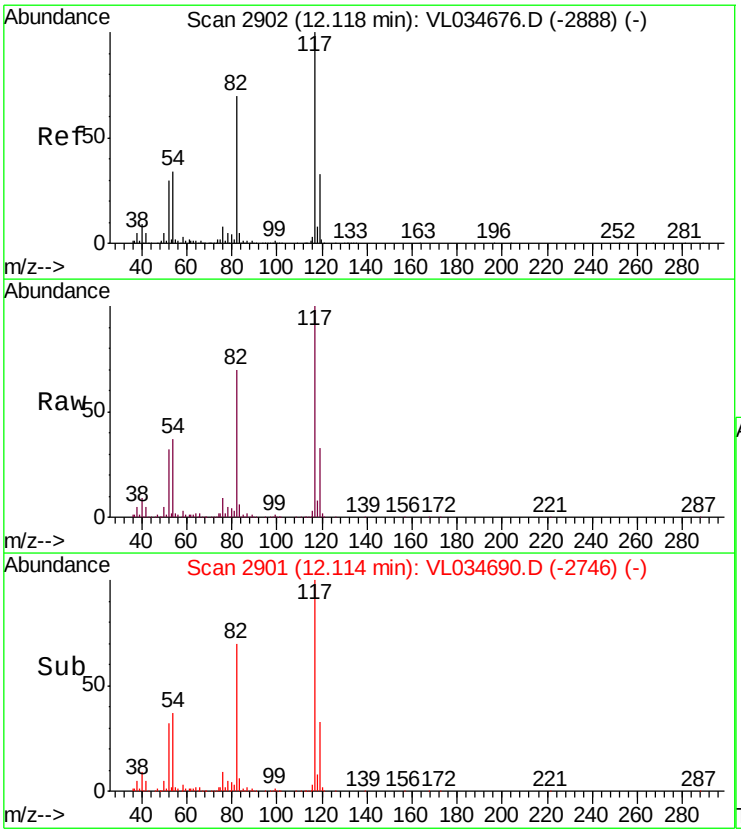

#53
Toluene
Concen: 0.118 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :** MSVOA_L
**ClientSampleId :** CR-103-BRWDL

Tgt Ion: 91 Resp: 22423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 107.3 | 48.5 | 72.7# |

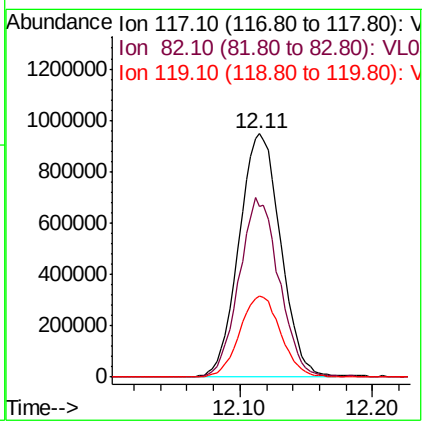


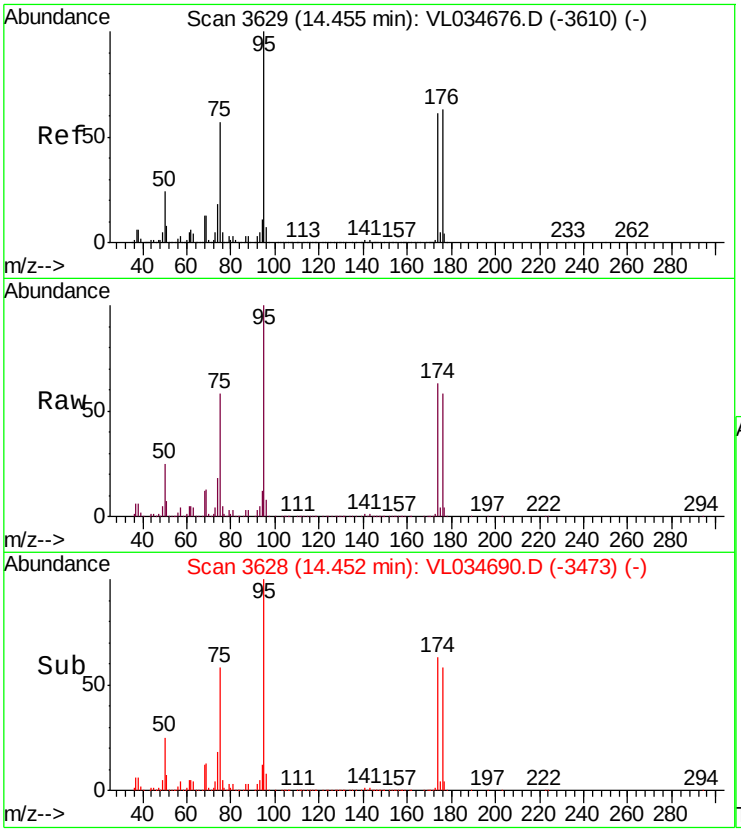




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

Tgt Ion:117 Resp: 2070230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 71.2 | 54.1 | 81.1 |
| 119 | 32.8 | 27.6 | 41.4 |






#68
1-Bromo-4-Fluorobenzene
Concen: 10.270 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034690.D
Acq: 26 Feb 2020 16:29

**Instrument :**
MSVOA_L
**ClientSampleId :**
CR-103-BRWDL

Tgt Ion: 95 Resp: 1743430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 63.6 | 50.7 | 76.1 |
| 175 | 4.5 | 3.9 | 5.9 |