Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101619\
Data File : VL034310.D
Acq On : 16 Oct 2019 23:22
Operator : SY/AP
Sample : K5111-14 0.03 PPB LOQ
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :**

Quant Time: Oct 17 05:25:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.70 | 49 | 1083548 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.23 | 114 | 2026236 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.17 | 117 | 2021203 | 10.00 | ppbv | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.51 | 95 | 1749387 | 10.22 | ppbv | 0.02 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 102.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.04 | 85 | 7015 | 0.038 | ppbv | 94 |
| 3) Chlorodifluoromethane | 2.98 | 51 | 4584 | 0.036 | ppbv # | 57 |
| 8) Dichlorotetrafluoroethane | 3.18 | 85 | 5027 | 0.031 | ppbv # | 80 |
| 9) Propene | 3.00 | 41 | 2100 | 0.037 | ppbv # | 16 |
| 15) Acetone | 3.89 | 43 | 27054 | 0.175 | ppbv | 93 |
| 20) Methylene Chloride | 4.36 | 84 | 1810 | 0.032 | ppbv # | 88 |
| 39) 1,2-Dichloropropane | 7.22 | 63 | 622044 | 7.431 | ppbv # | 22 |

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

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Misc : 400ml/MSVOA_L
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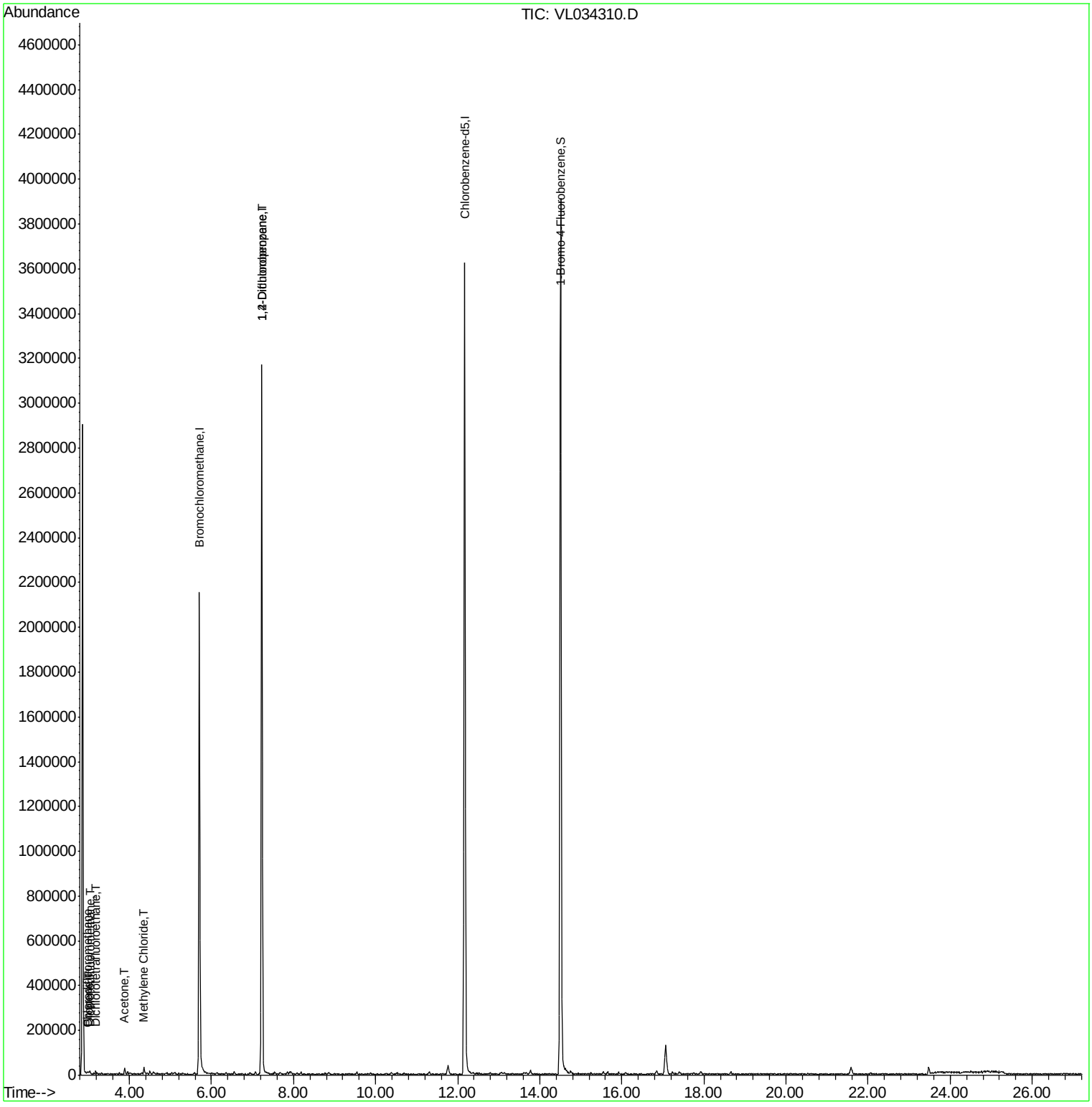
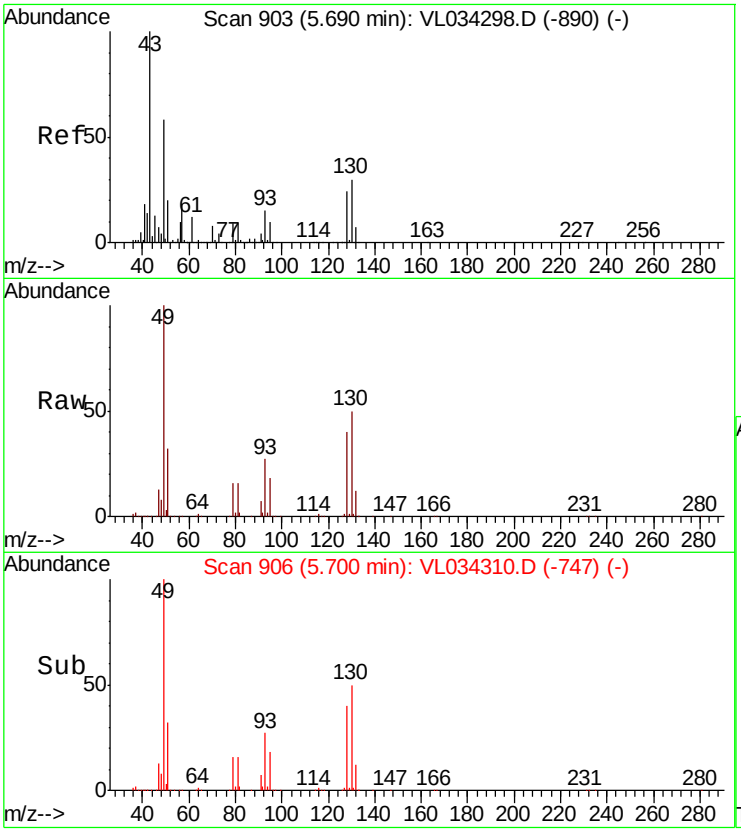
**Instrument :**
MSVOA_L
**ClientSampleId :**

Quant Time: Oct 17 05:25:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration



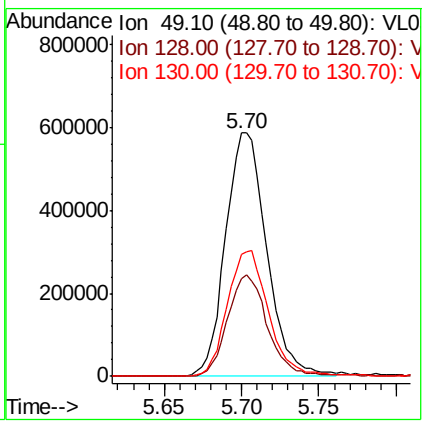


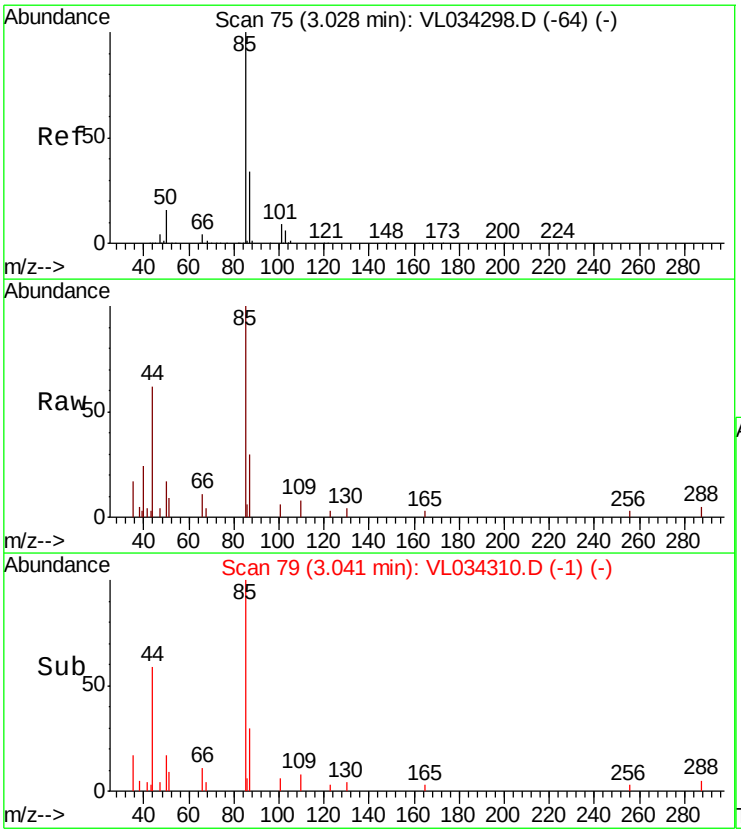

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

**Instrument :**
MSVOA_L
**ClientSampleId :**

Tgt Ion: 49 Resp: 1083548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 41.0 | 20.6 | 61.8 |
| 130 | 51.9 | 26.2 | 78.5 |

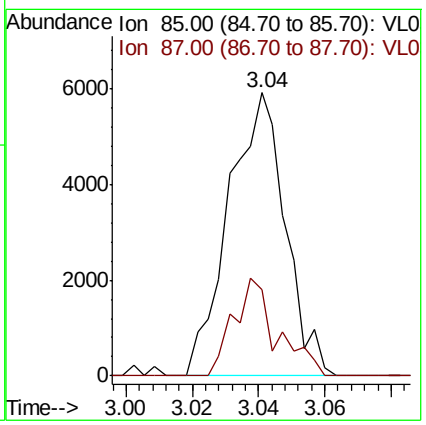


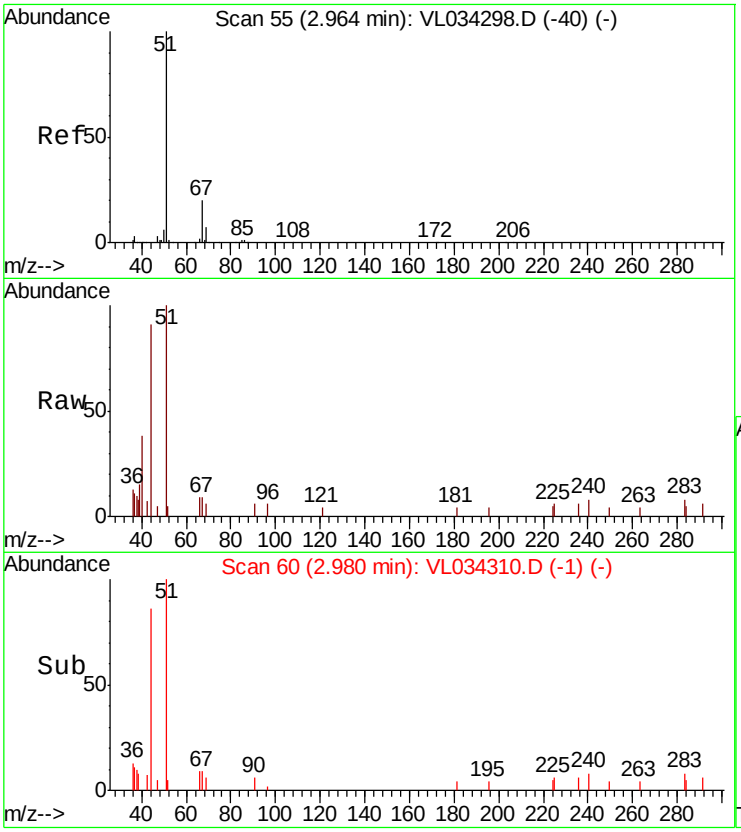




#2
Dichlorodifluoromethane
Concen: 0.038 ppbv
RT: 3.04 min Scan# 79
Delta R.T. 0.01 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

Tgt Ion: 85 Resp: 7015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.3 | 27.0 | 40.6 |



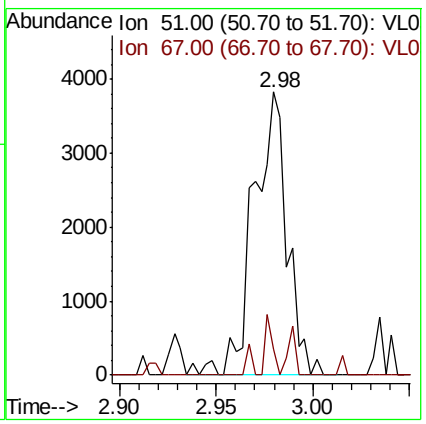


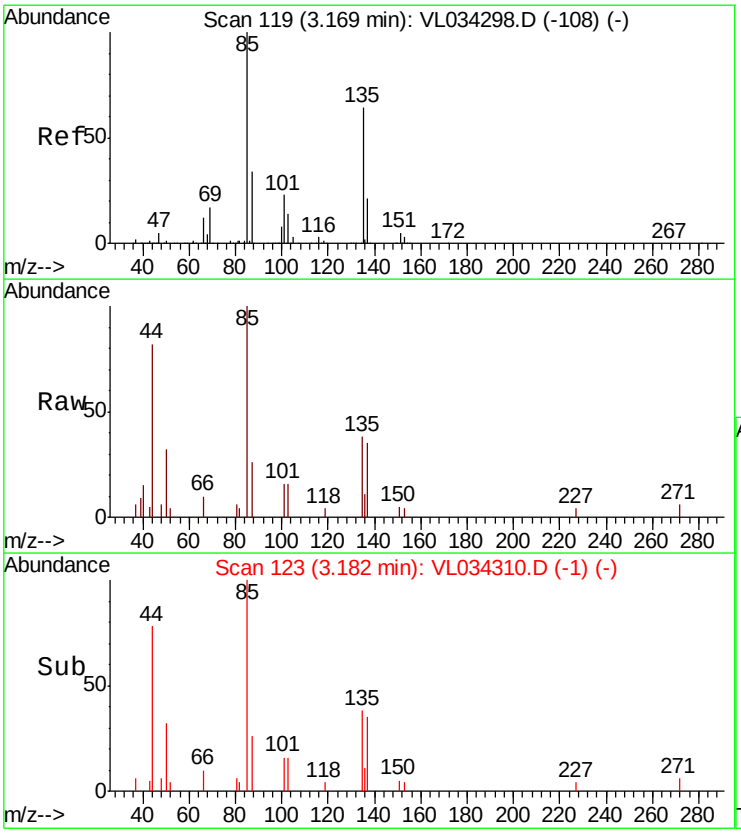

#3
Chlorodifluoromethane
Concen: 0.036 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.02 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

Tgt Ion: 51 Resp: 4584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 0.0 | 15.8 | 23.8# |

**Instrument :**
MSVOA_L
**ClientSampleId :**

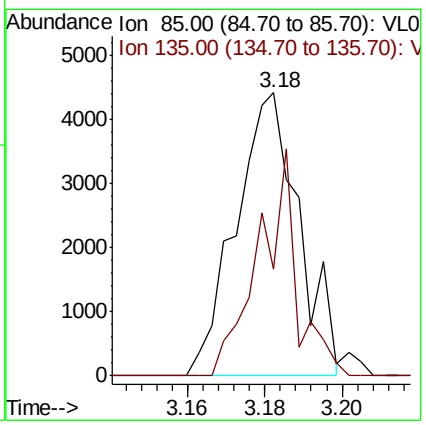


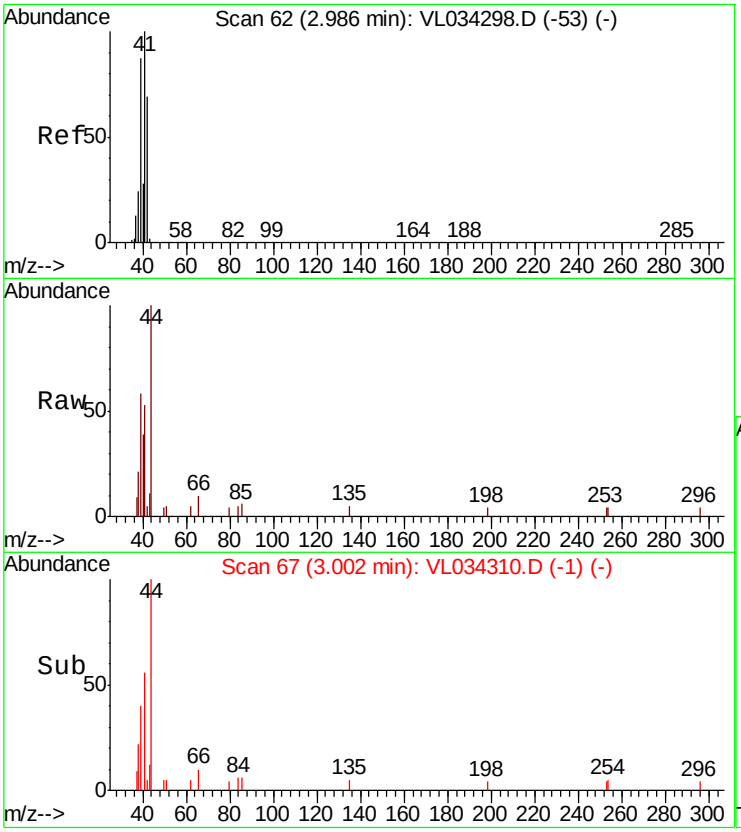




#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.01 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

Tgt Ion: 85 Resp: 5027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 47.5 | 50.2 | 75.2# |

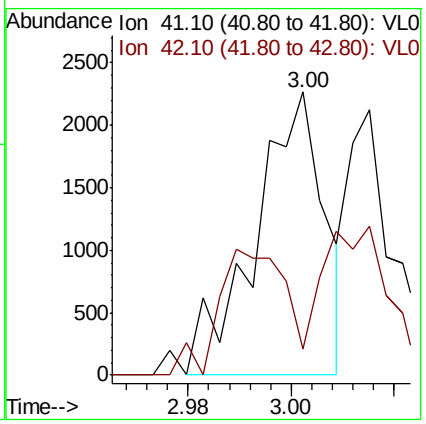




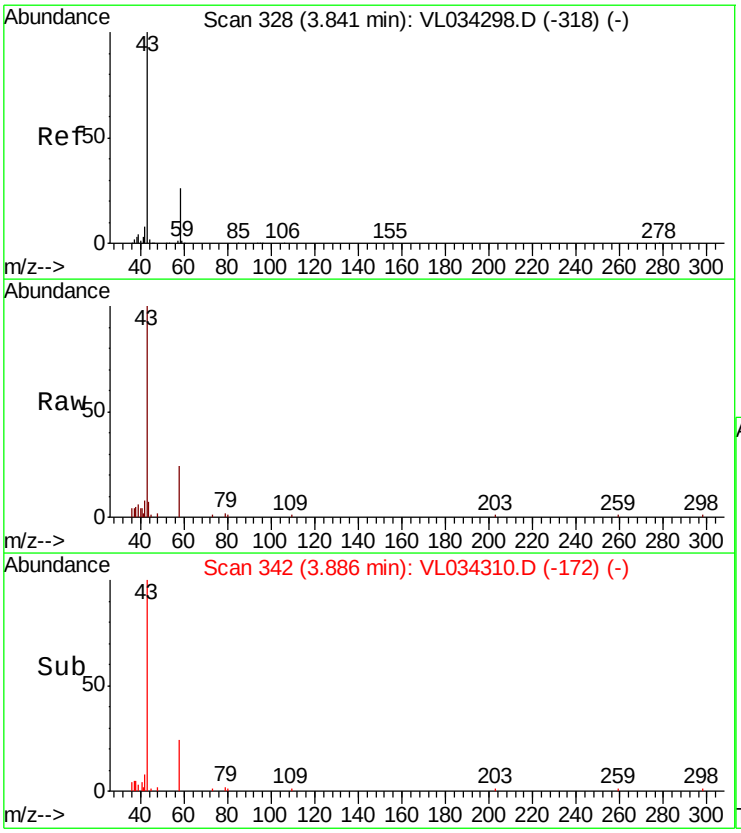

#9
Propene
Concen: 0.037 ppbv
RT: 3.00 min Scan# 67
Delta R.T. 0.02 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

Tgt Ion: 41 Resp: 2100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 0.0 | 53.9 | 80.9# |



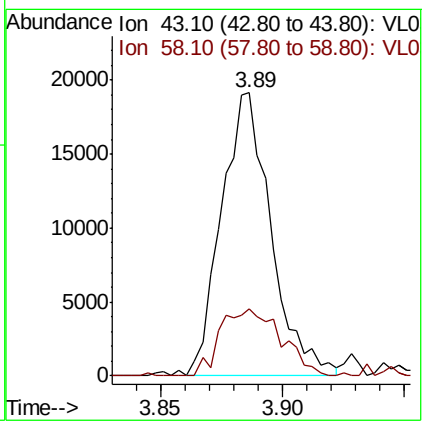

**Instrument :**
MSVOA_L
**ClientSampleId :**

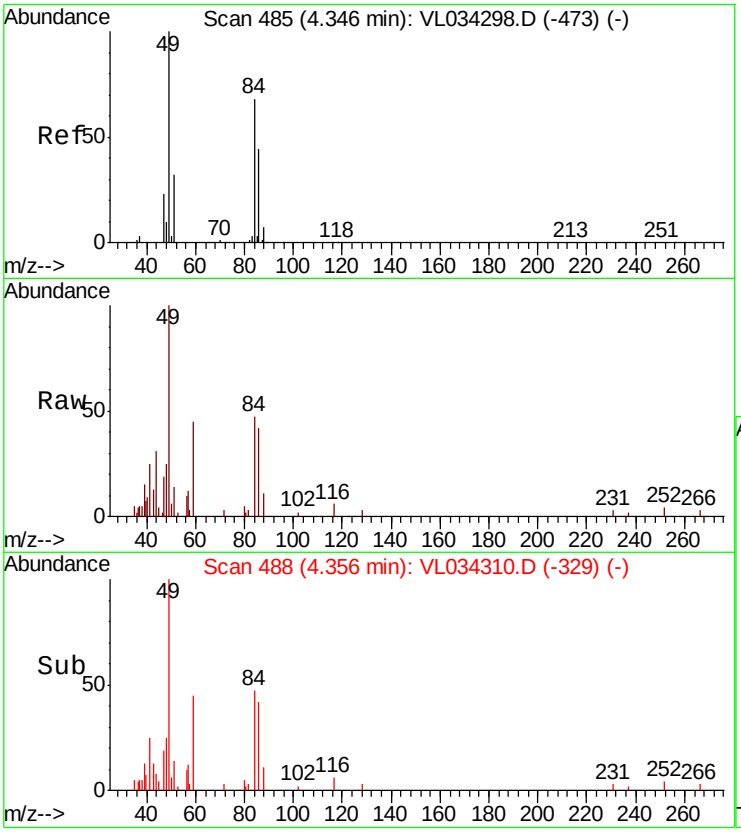



#15
Acetone
Concen: 0.175 ppbv
RT: 3.89 min Scan# 342
Delta R.T. 0.05 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

Tgt Ion: 43 Resp: 27054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 20.4 | 30.6 |



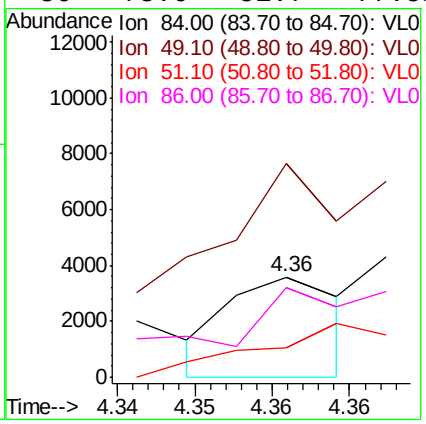


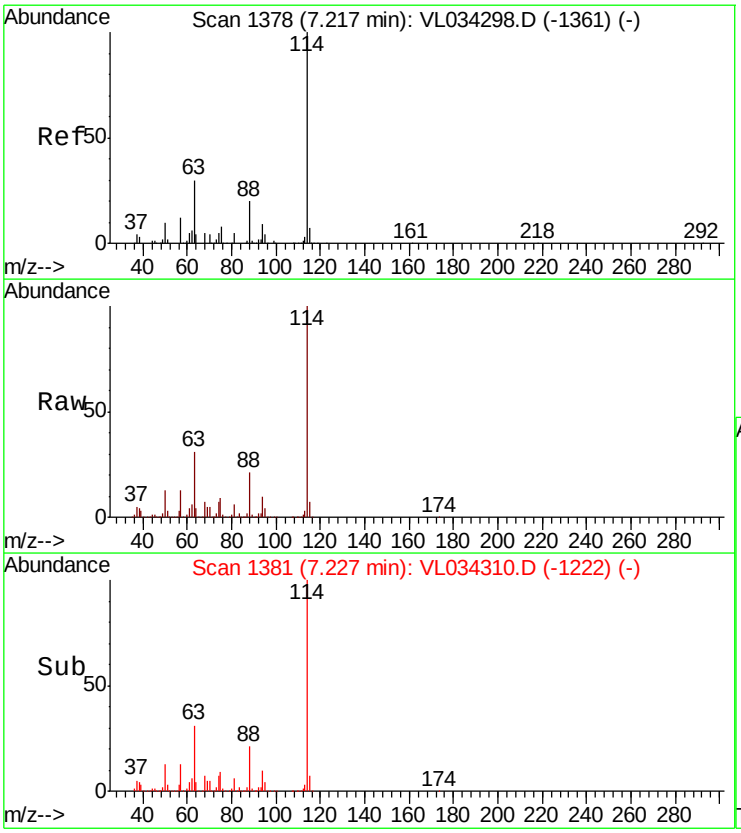

#20
Methylene Chloride
Concen: 0.032 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.01 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

**Instrument :** MSVOA_L
**ClientSampleId :**

Tgt Ion: 84 Resp: 1810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 149.8 | 118.5 | 177.7 |
| 51 | 22.0 | 38.8 | 58.2# |
| 86 | 78.6 | 51.7 | 77.5# |

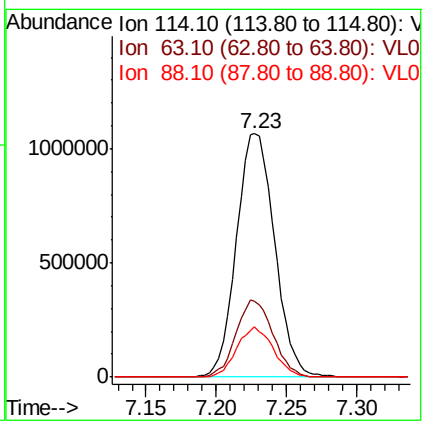


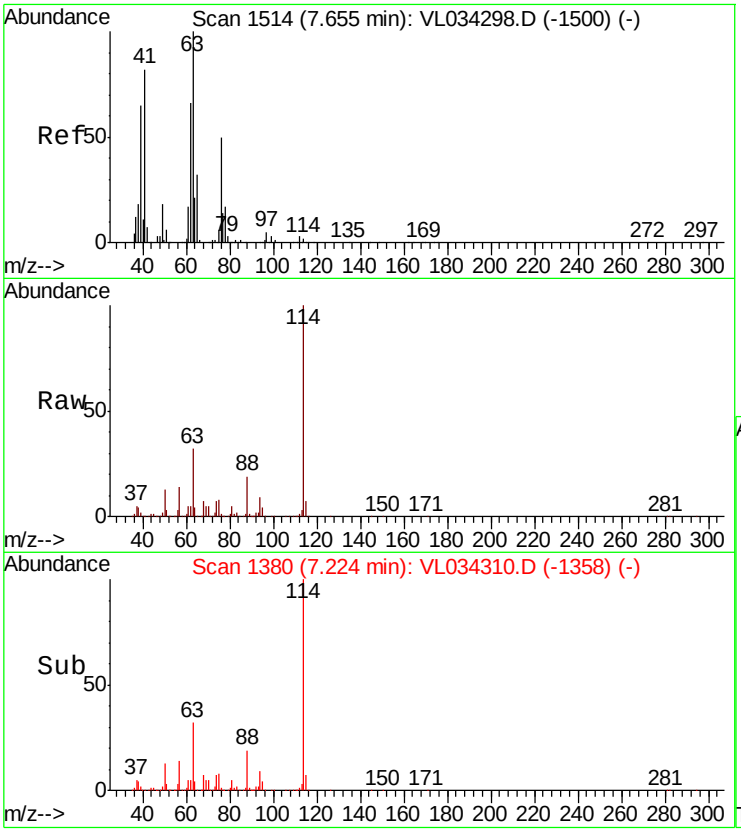




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

Tgt Ion:114 Resp: 2026236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 30.9 | 25.2 | 37.8 |
| 88 | 19.7 | 16.0 | 24.0 |



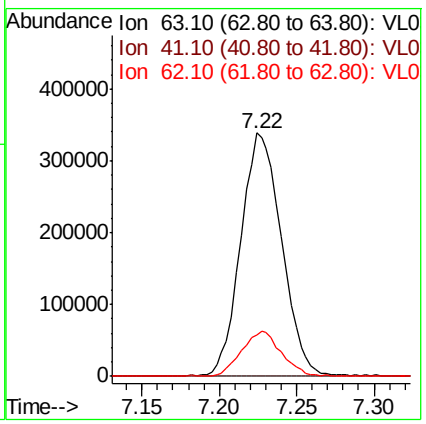


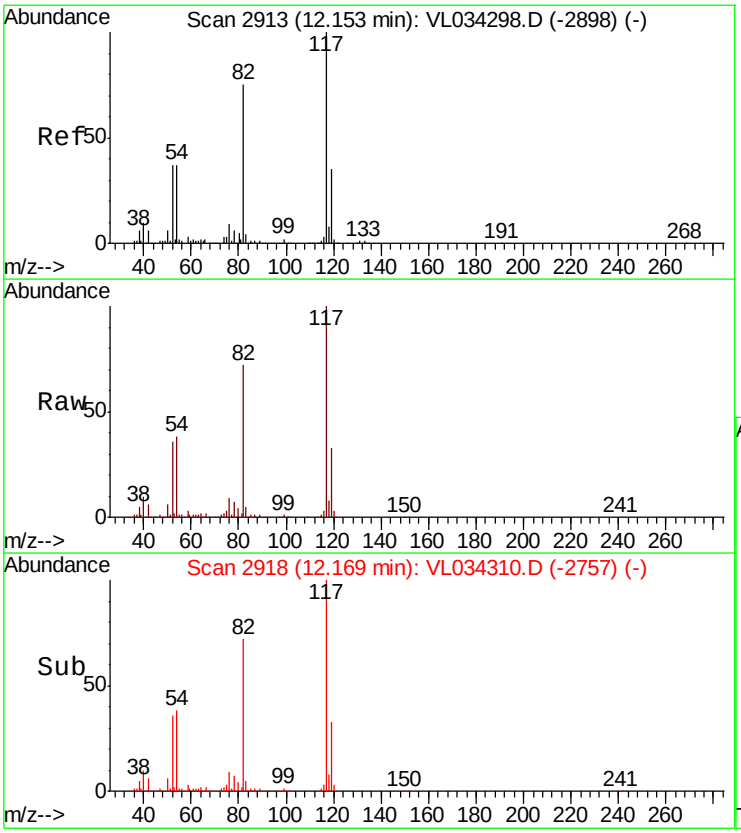

#39
1,2-Dichloropropane
Concen: 7.431 ppbv
RT: 7.22 min Scan# 1380
Delta R.T. -0.43 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

**Instrument :**
MSVOA_L
**ClientSampleId :**

Tgt Ion: 63 Resp: 622044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.1 | 65.6 | 98.4# |
| 62 | 17.0 | 53.0 | 79.6# |

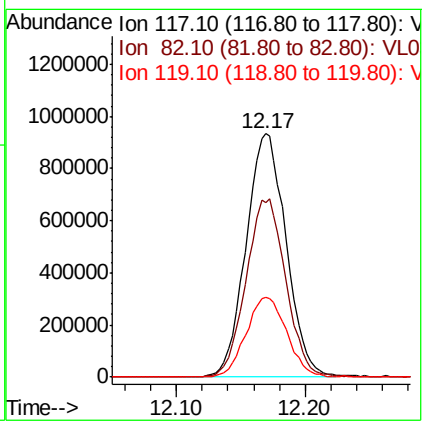


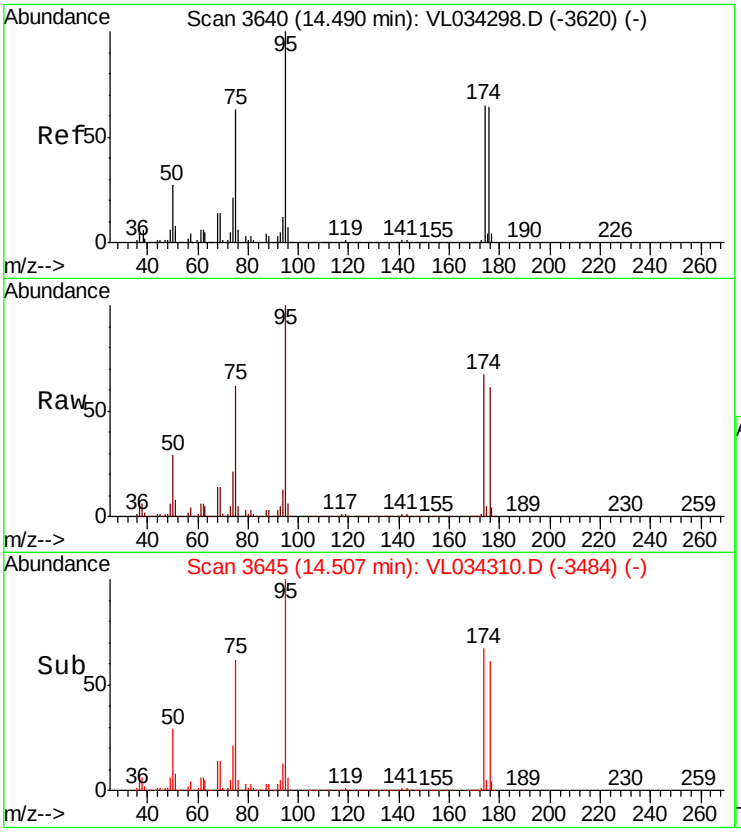




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

Tgt Ion:117 Resp: 2021203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 73.2 | 55.5 | 83.3 |
| 119 | 33.5 | 26.5 | 39.7 |






#68
1-Bromo-4-Fluorobenzene
Concen: 10.219 ppbv
RT: 14.51 min Scan# 3645
Delta R.T. 0.02 min
Lab File: VL034310.D
Acq: 16 Oct 2019 23:22

**Instrument :**
MSVOA_L
**ClientSampleId :**

Tgt Ion: 95 Resp: 1749387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.3 | 52.6 | 78.8 |
| 175 | 4.8 | 3.8 | 5.6 |