Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033526.D
Acq On : 30 Mar 2019 6:53
Operator : SY/AP
Sample : K2042-09DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** SG-1-MAIN-DECT-ROOMDL

Quant Time: Mar 31 00:51:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

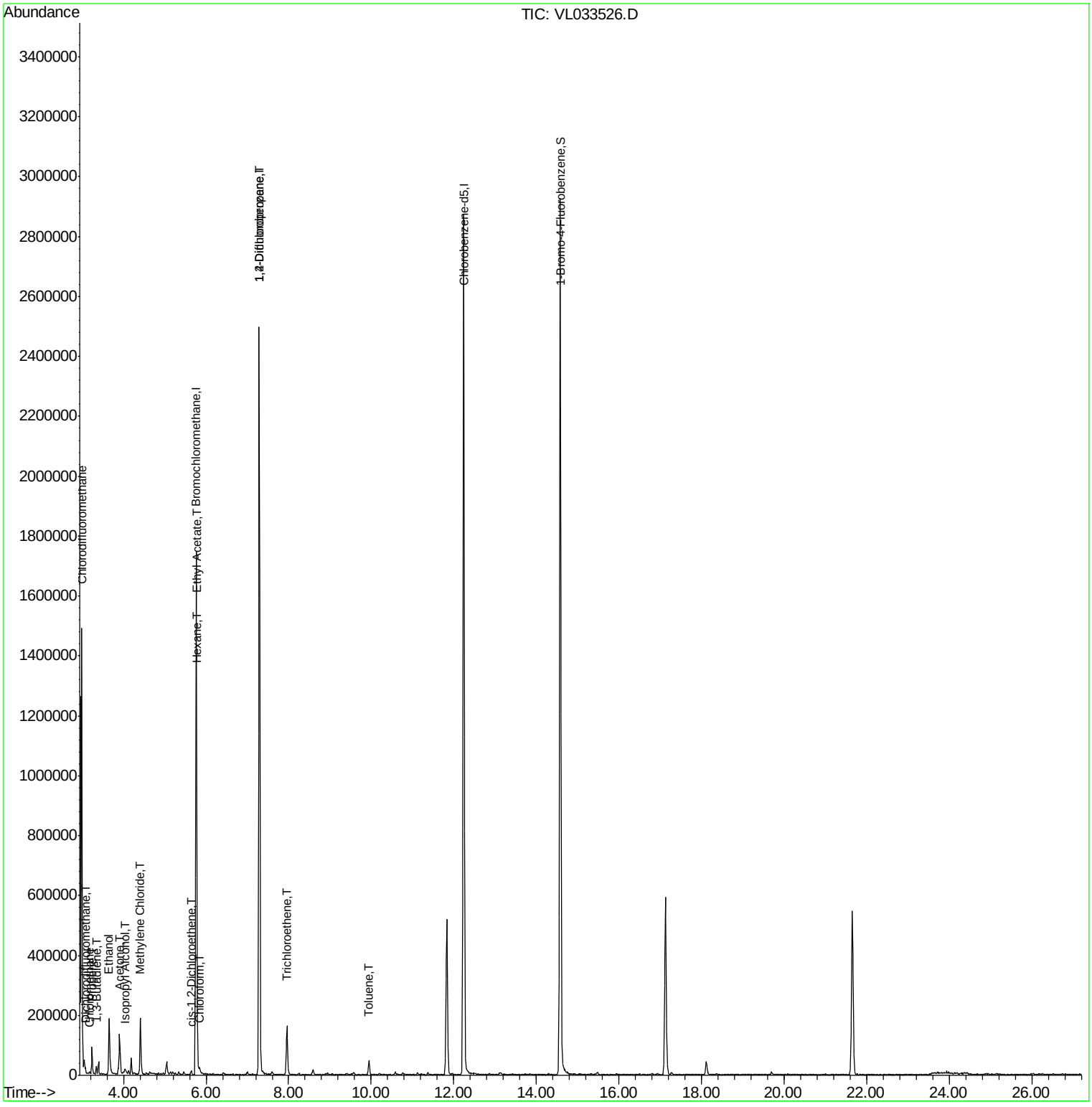
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 756622 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.29 | 114 | 1711819 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.24 | 117 | 1747110 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.58 | 95 | 1343700 | 9.81 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 98.10% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.08 | 85 | 8300 | 0.075 | ppbv | | 94 |
| 3) Chlorodifluoromethane | 2.99 | 51 | 853111 | 9.794 | ppbv | # | 58 |
| 4) Chloromethane | 3.17 | 50 | 2874 | 0.062 | ppbv | # | 74 |
| 9) Propene | 3.24 | 41 | 20912 | 0.572 | ppbv | | 89 |
| 13) Ethanol | 3.65 | 45 | 202199 | 21.360 | ppbv | | 65 |
| 15) Acetone | 3.90 | 43 | 128897 | 1.417 | ppbv | | 98 |
| 16) 1,3-Butadiene | 3.34 | 39 | 6363 | 0.176 | ppbv | # | 12 |
| 19) Isopropyl Alcohol | 4.04 | 45 | 7559 | 0.131 | ppbv | # | 95 |
| 20) Methylene Chloride | 4.41 | 84 | 63239 | 1.638 | ppbv | | 94 |
| 25) Ethyl Acetate | 5.78 | 43 | 38967 | 0.231 | ppbv | # | 83 |
| 26) Hexane | 5.78 | 57 | 49109 | 0.654 | ppbv | # | 38 |
| 29) Chloroform | 5.84 | 83 | 8978 | 0.070 | ppbv | # | 73 |
| 31) cis-1,2-Dichloroethene | 5.64 | 61 | 4351 | 0.058 | ppbv | | 93 |
| 38) Trichloroethene | 7.96 | 130 | 25628 | 0.474 | ppbv | | 94 |
| 39) 1,2-Dichloropropane | 7.29 | 63 | 449226 | 7.984 | ppbv | # | 23 |
| 53) Toluene | 9.94 | 91 | 14650 | 0.088 | ppbv | # | 21 |

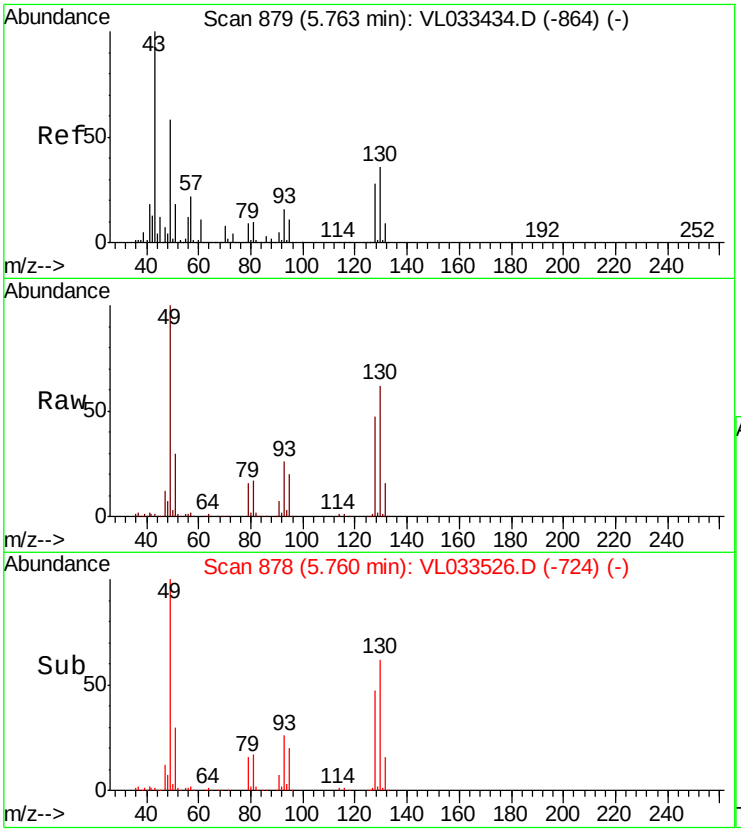
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033526.D
Acq On : 30 Mar 2019 6:53
Operator : SY/AP
Sample : K2042-09DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Quant Time: Mar 31 00:51:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



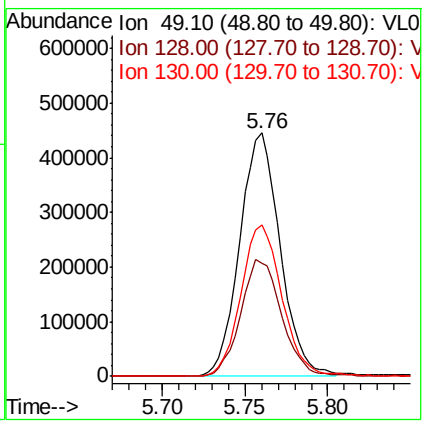


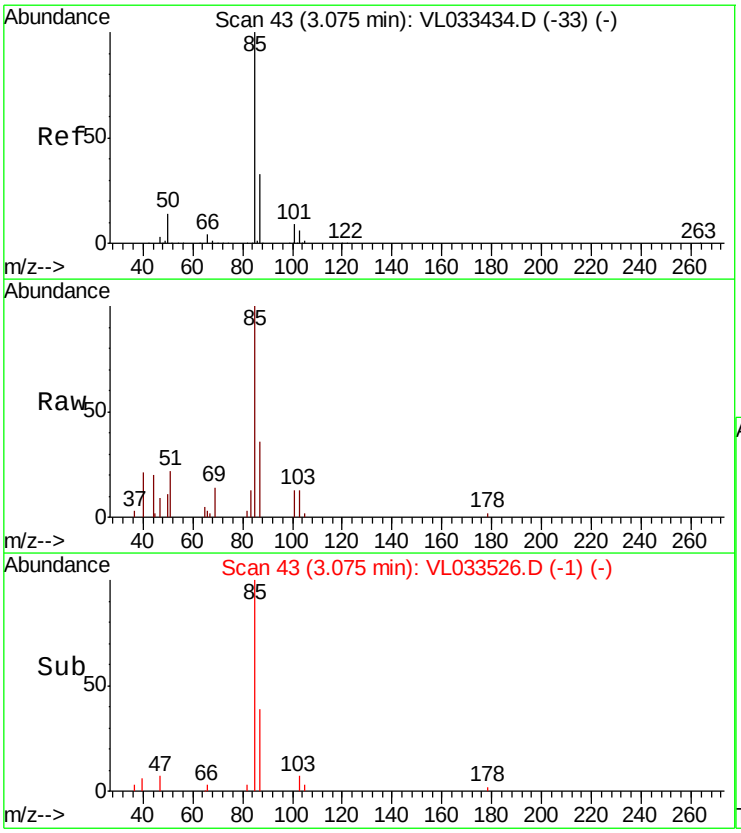

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion: 49 Resp: 756622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 49.1 | 24.0 | 72.0 |
| 130 | 63.7 | 31.2 | 93.6 |

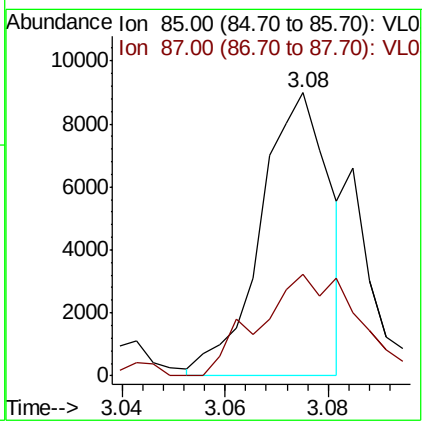


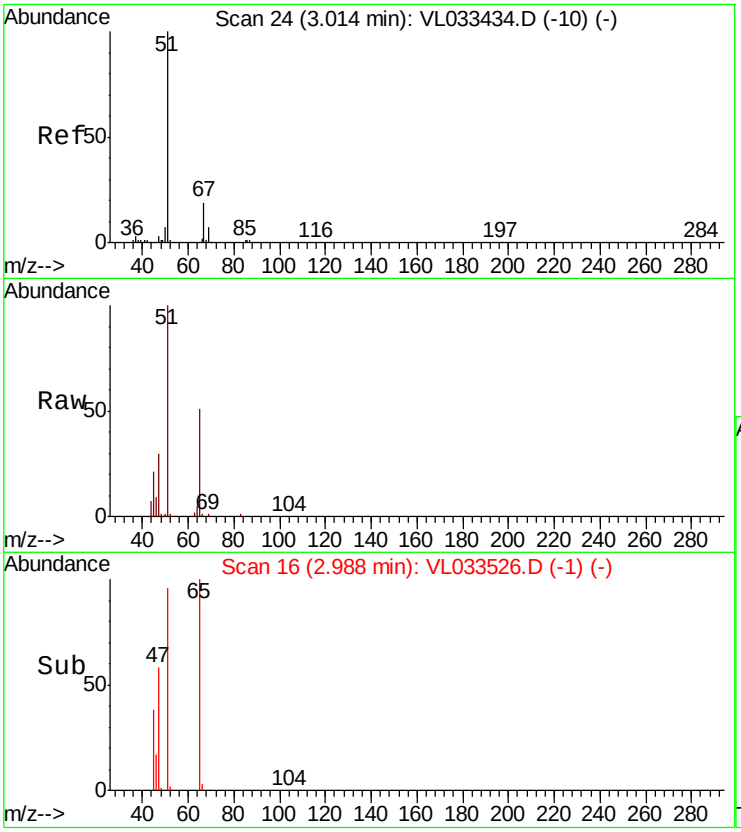




#2
Dichlorodifluoromethane
Concen: 0.075 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 85 Resp: 8300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 36.5 | 26.7 | 40.1 |



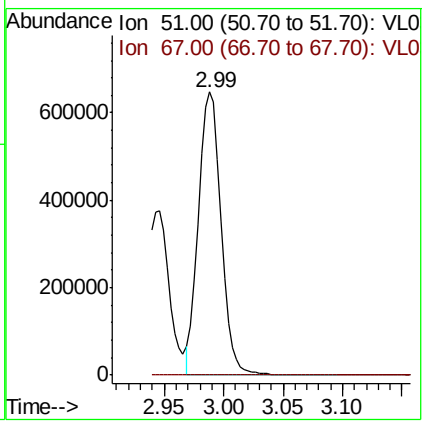


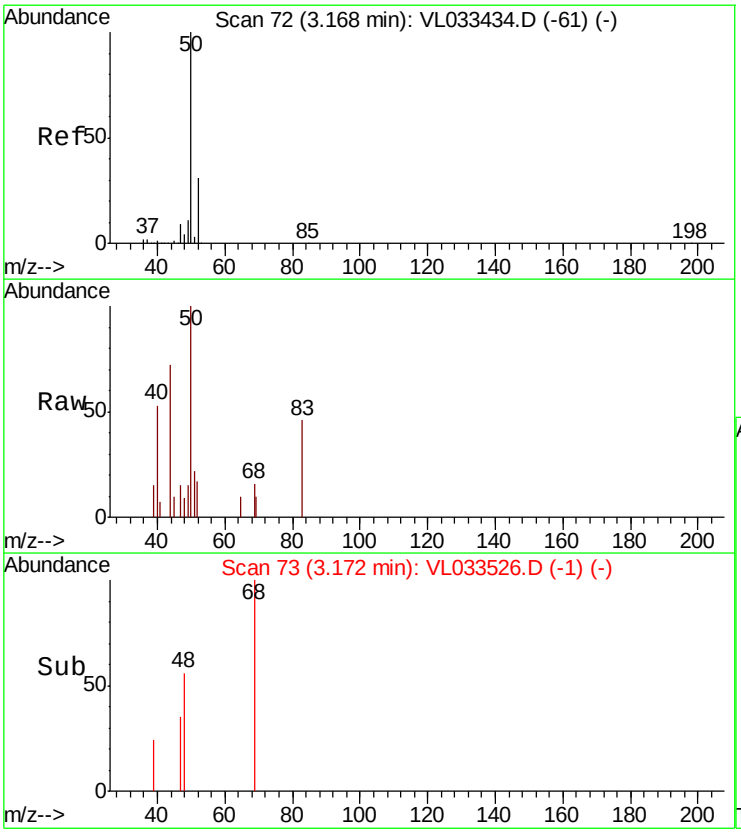

#3
Chlorodifluoromethane
Concen: 9.794 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.03 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion: 51 Resp: 853111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 0.3 | 15.7 | 23.5# |

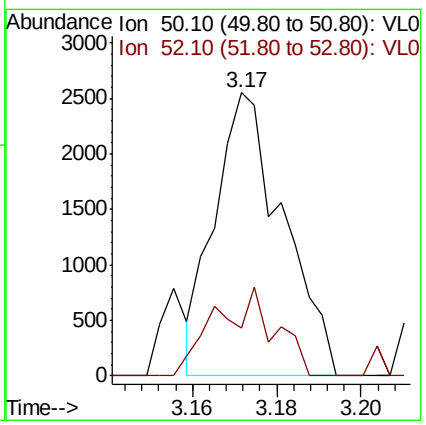


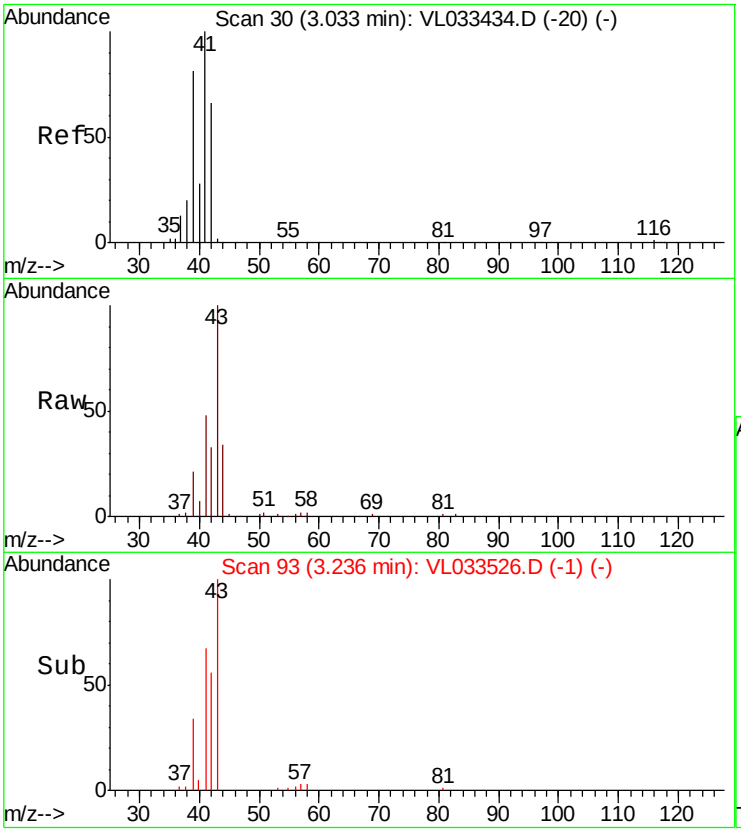




#4
Chloromethane
Concen: 0.062 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 50 Resp: 2874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 17.1 | 25.0 | 37.6# |



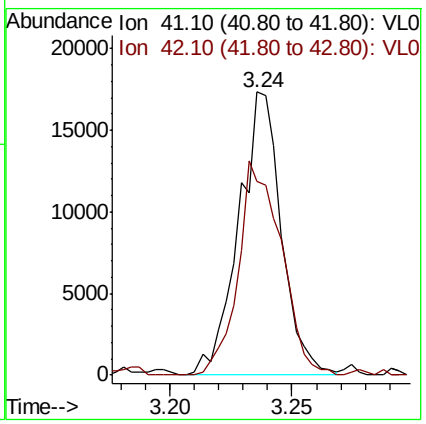


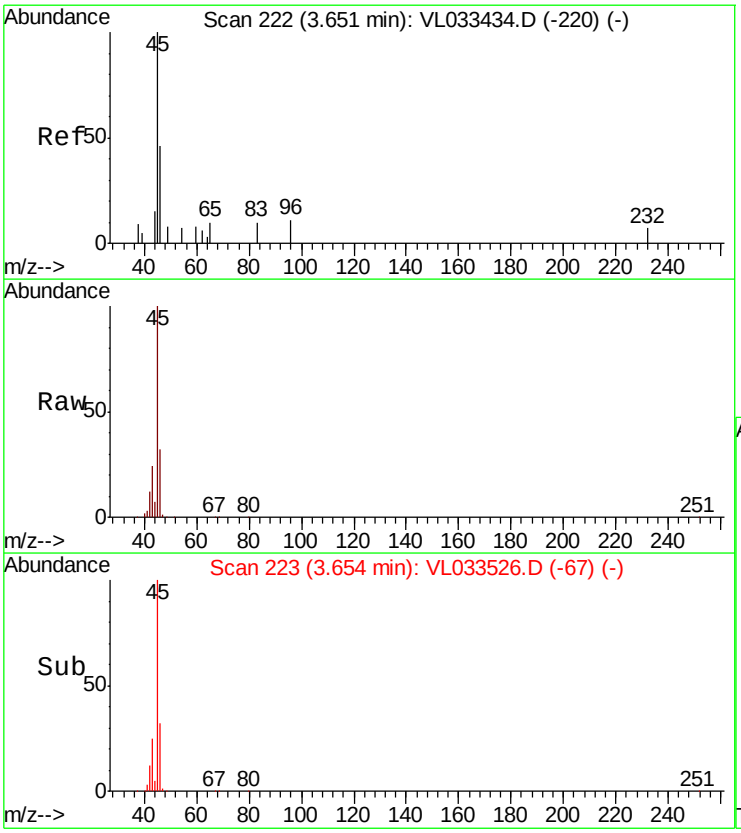

#9
Propene
Concen: 0.572 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion: 41 Resp: 20912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 76.5 | 53.9 | 80.9 |

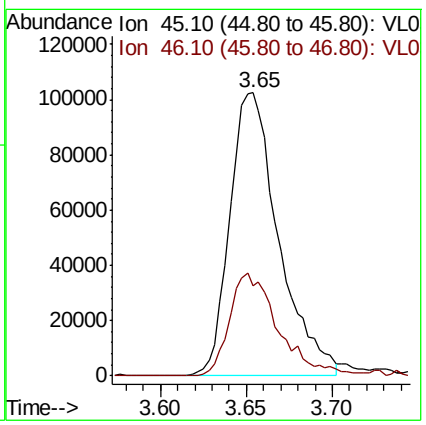


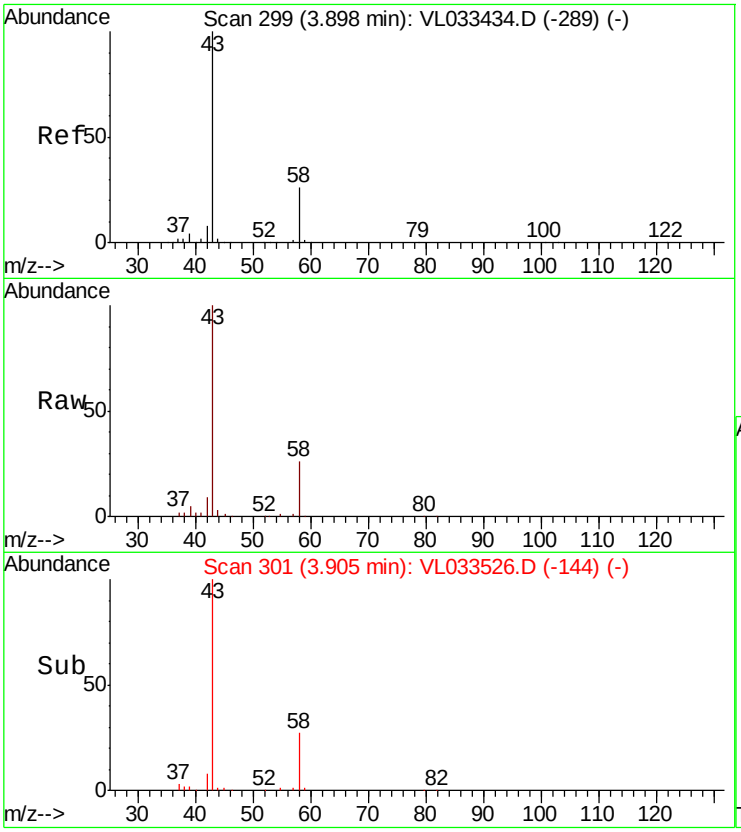




#13
Ethanol
Concen: 21.360 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 45 Resp: 202199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 36.2 | 25.4 | 101.8 |



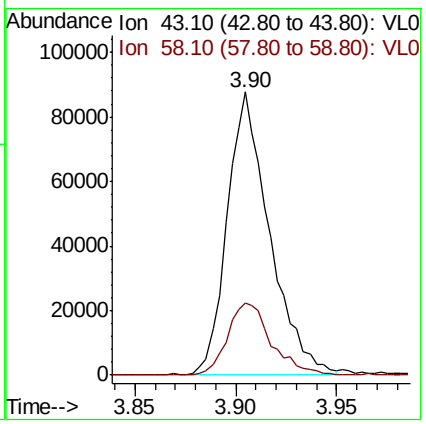


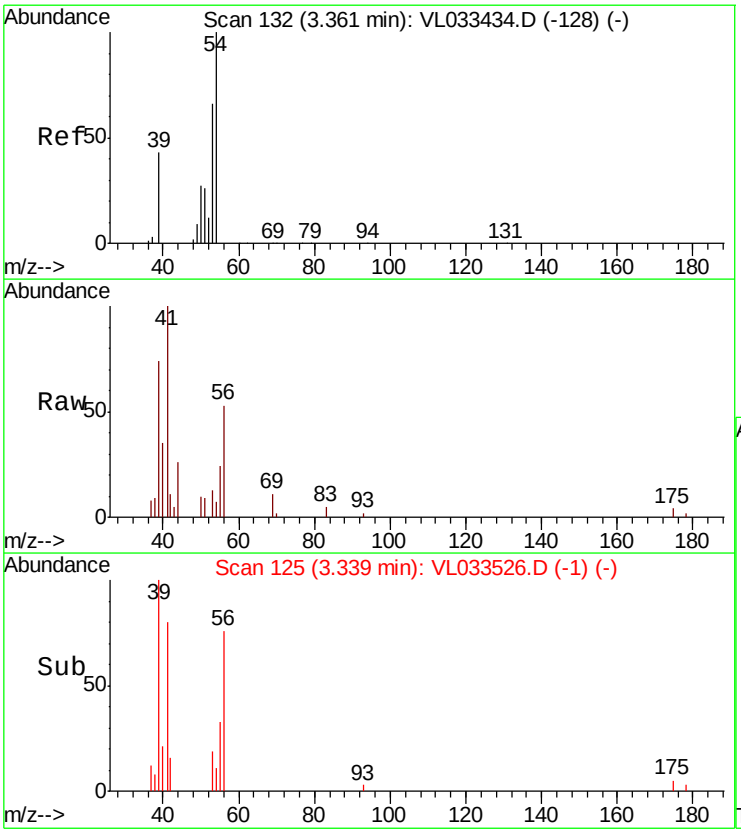

#15
Acetone
Concen: 1.417 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion: 43 Resp: 128897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.6 | 20.5 | 30.7 |

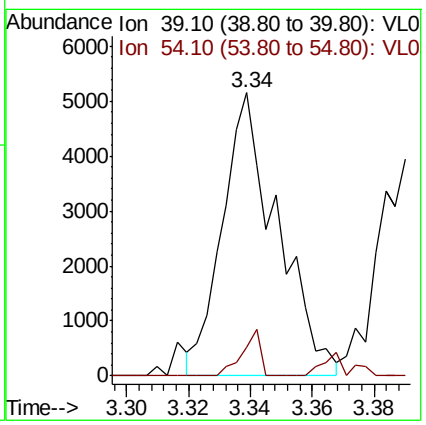


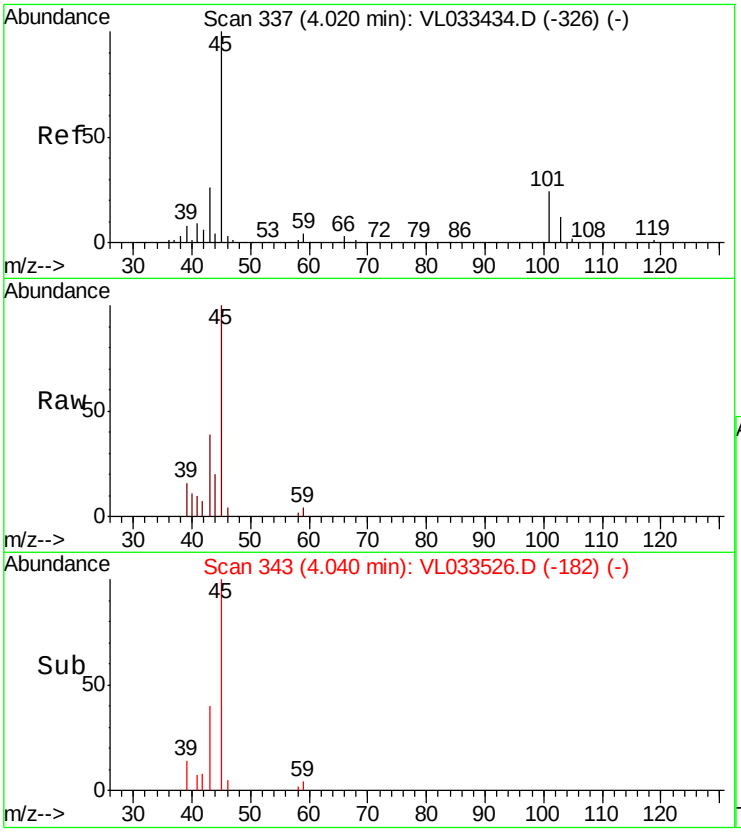




#16
1,3-Butadiene
Concen: 0.176 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 39 Resp: 6363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 5.4 | 69.4 | 104.2# |



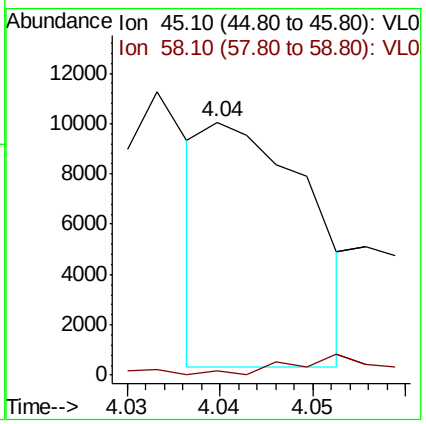


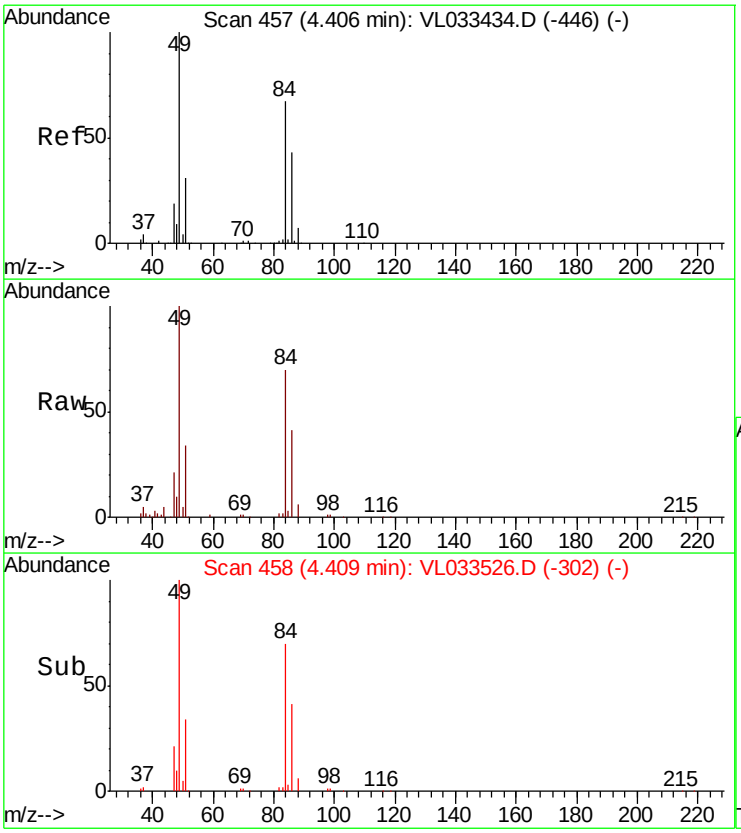

#19
Isopropyl Alcohol
Concen: 0.131 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion: 45 Resp: 7559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 0.0 | 1.4 | 2.2# |

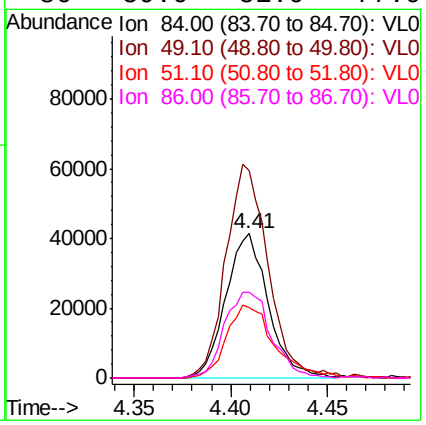


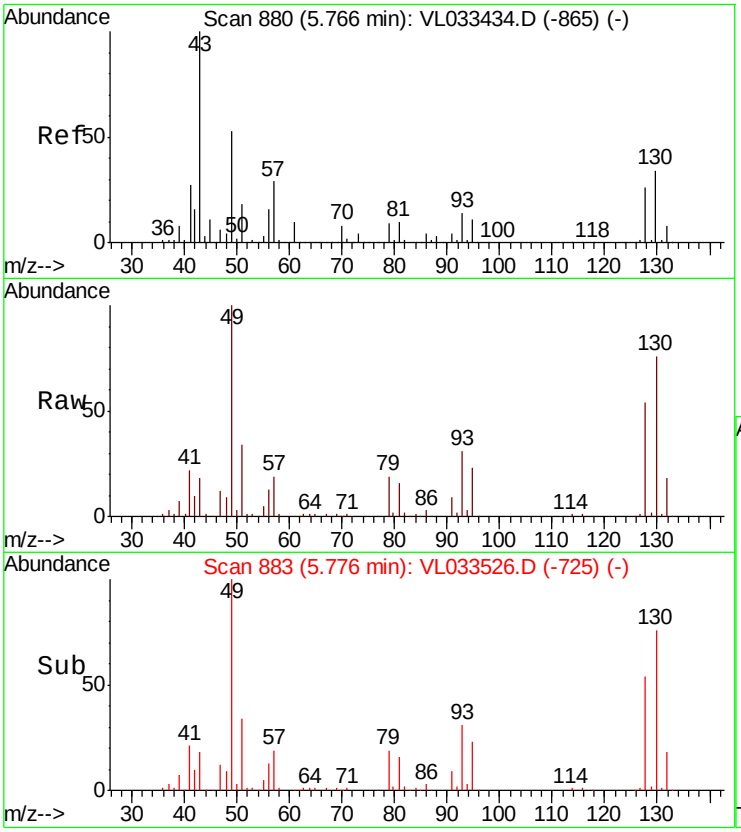




#20
Methylene Chloride
Concen: 1.638 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 84 Resp: 63239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.3 | 120.0 | 180.0 |
| 51 | 48.7 | 36.7 | 55.1 |
| 86 | 59.0 | 51.9 | 77.9 |



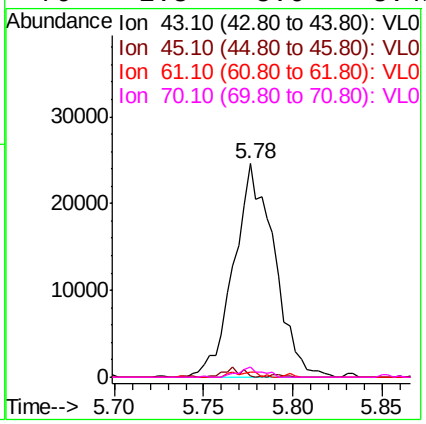


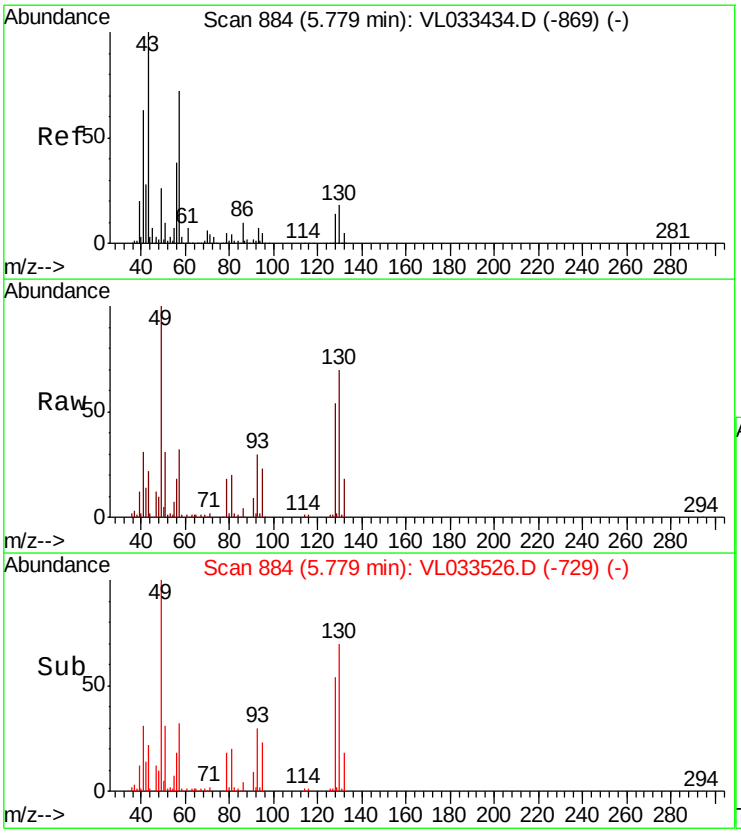

#25
Ethyl Acetate
Concen: 0.231 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion: 43 Resp: 38967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 3.0 | 7.8 | 11.6# |
| 61 | 2.1 | 7.3 | 10.9# |
| 70 | 2.8 | 5.6 | 8.4# |

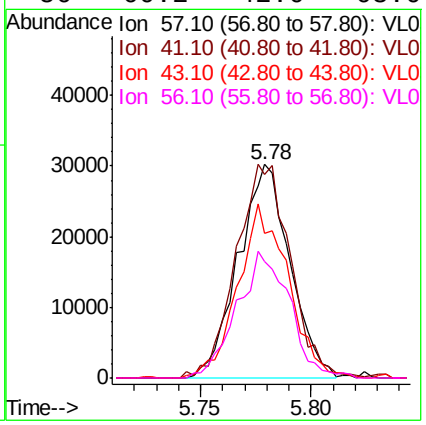


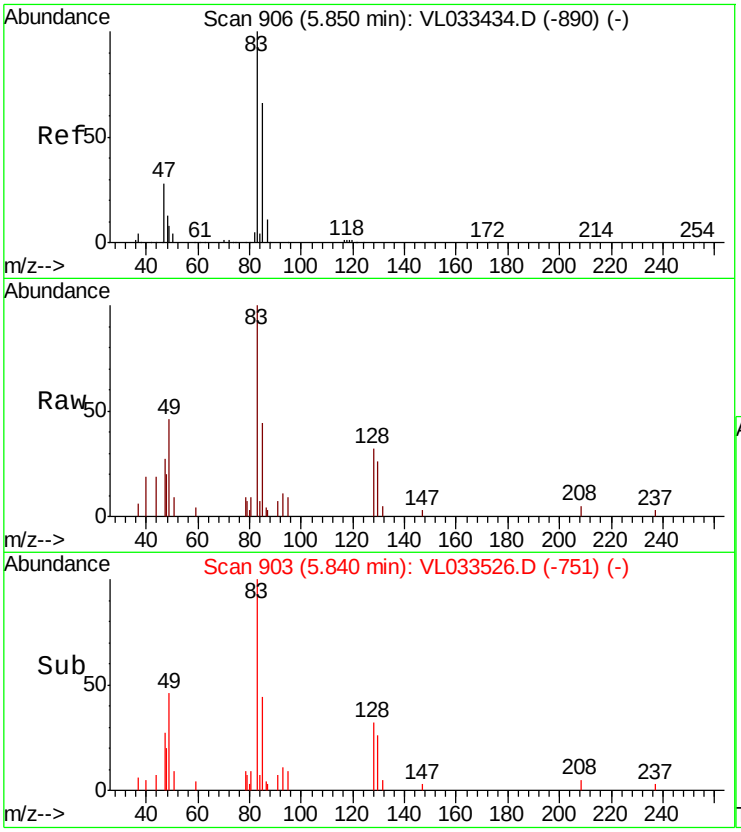




#26
Hexane
Concen: 0.654 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 57 Resp: 49109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 105.9 | 70.7 | 106.1 |
| 43 | 79.7 | 182.6 | 274.0# |
| 56 | 60.2 | 42.0 | 63.0 |



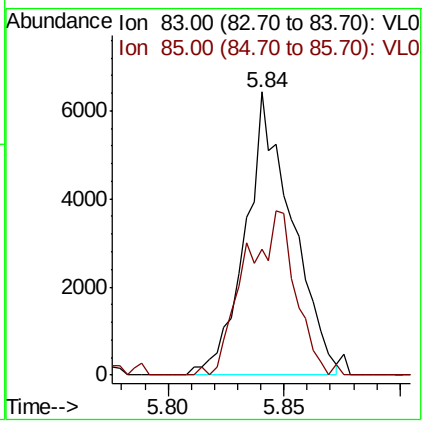


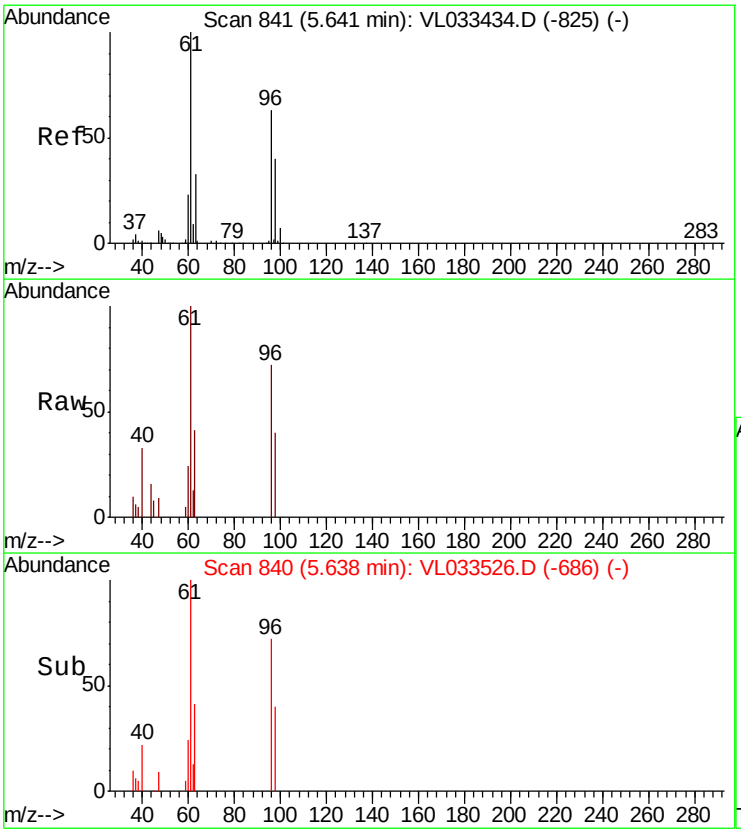

#29
Chloroform
Concen: 0.070 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion: 83 Resp: 8978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 44.3 | 52.6 | 79.0# |

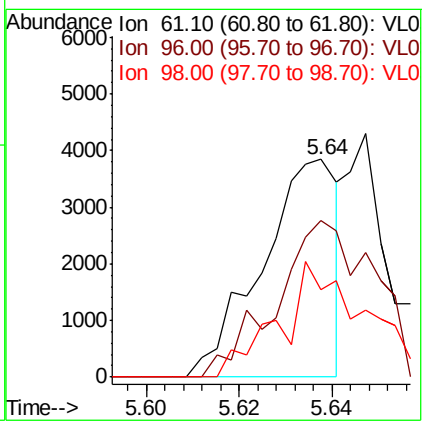


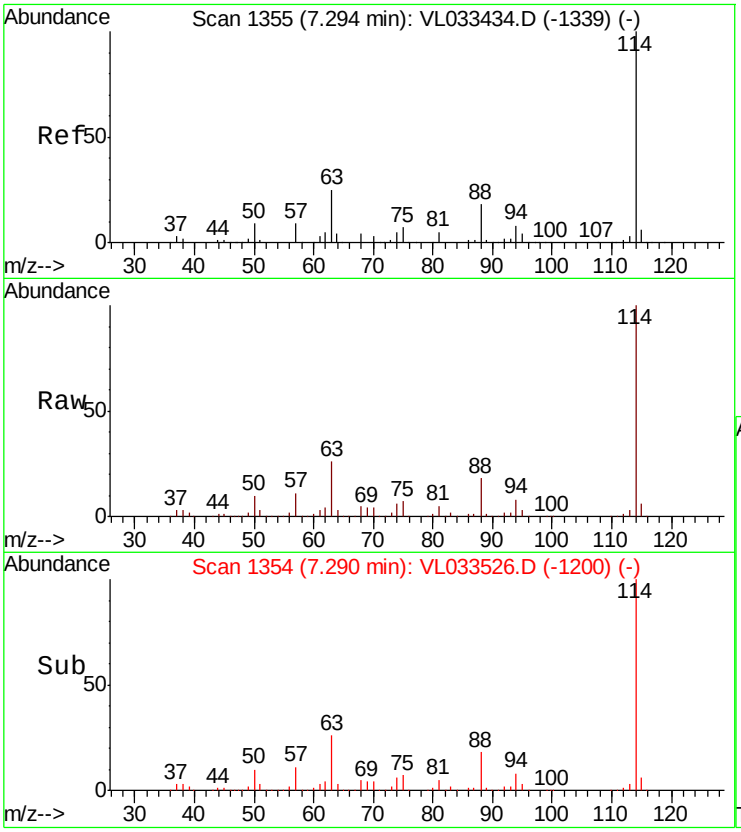




#31
cis-1,2-Dichloroethene
Concen: 0.058 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 61 Resp: 4351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 72.2 | 50.6 | 76.0 |
| 98 | 40.2 | 32.2 | 48.2 |



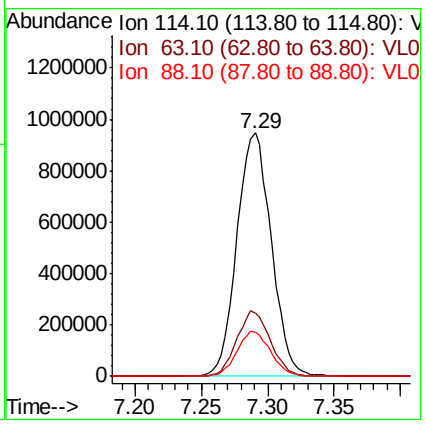


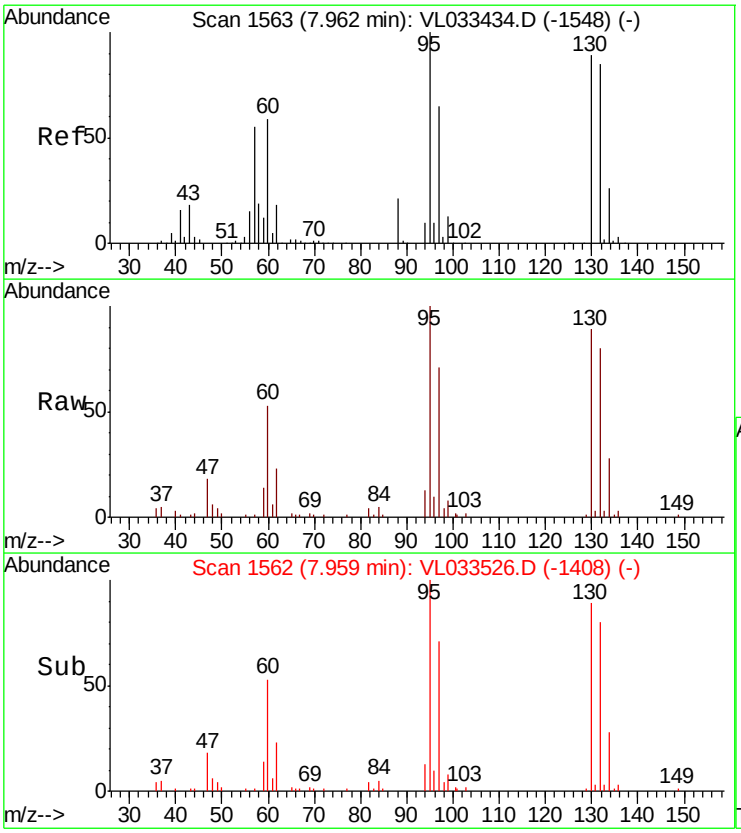

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion:114 Resp: 1711819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.4 | 21.5 | 32.3 |
| 88 | 18.1 | 14.5 | 21.7 |

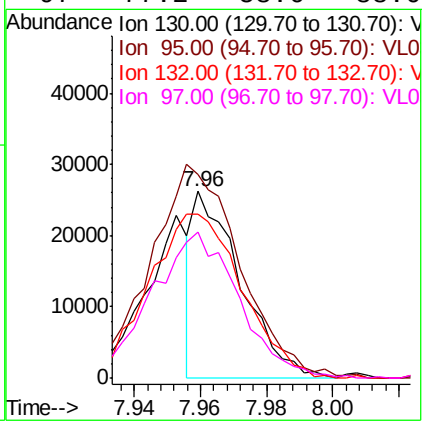


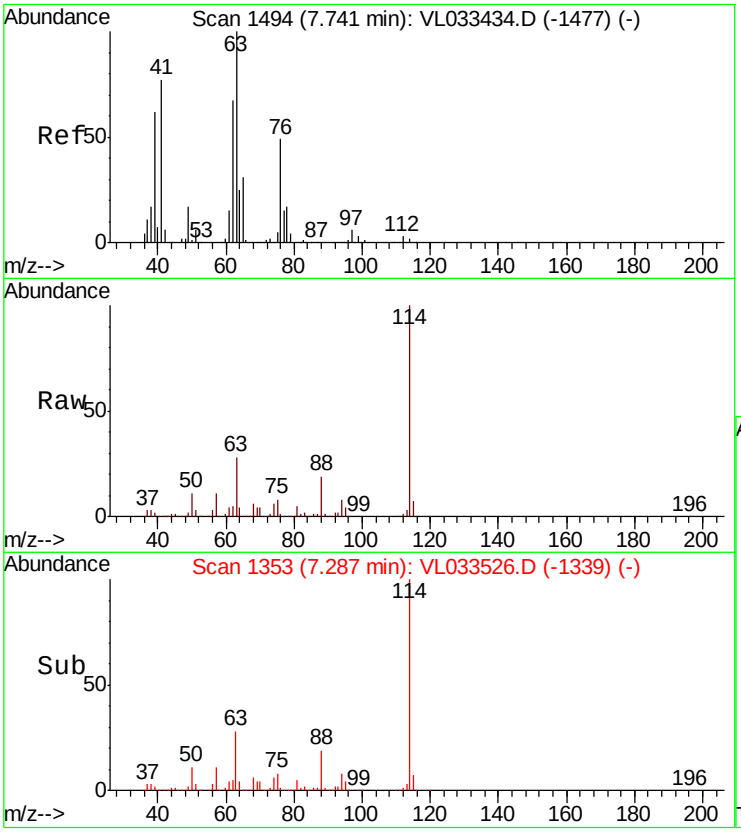




#38
Trichloroethene
Concen: 0.474 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion:130 Resp: 25628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 108.0 | 89.8 | 134.8 |
| 132 | 88.0 | 76.6 | 115.0 |
| 97 | 77.2 | 58.6 | 88.0 |



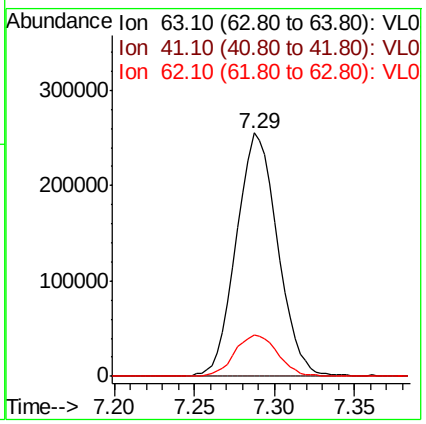


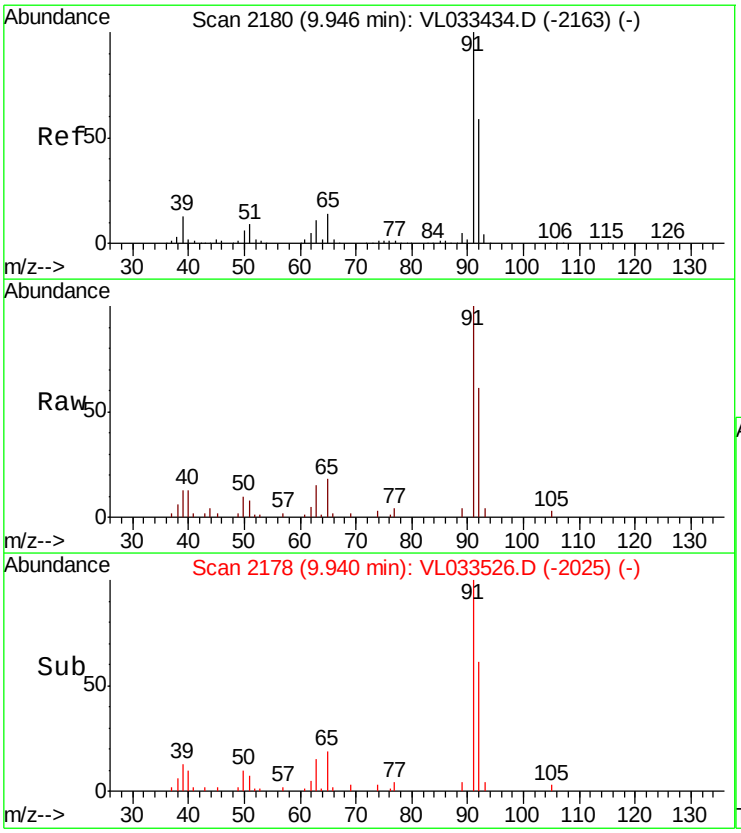

#39
1,2-Dichloropropane
Concen: 7.984 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion: 63 Resp: 449226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.1 | 61.2 | 91.8# |
| 62 | 17.0 | 54.0 | 81.0# |

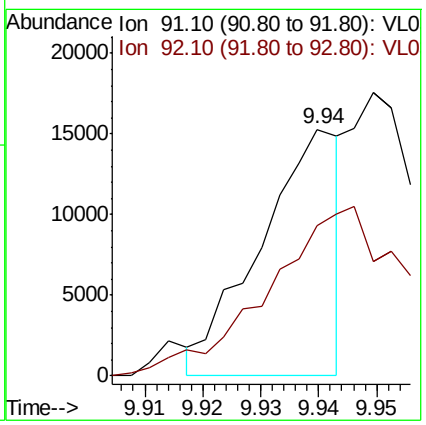


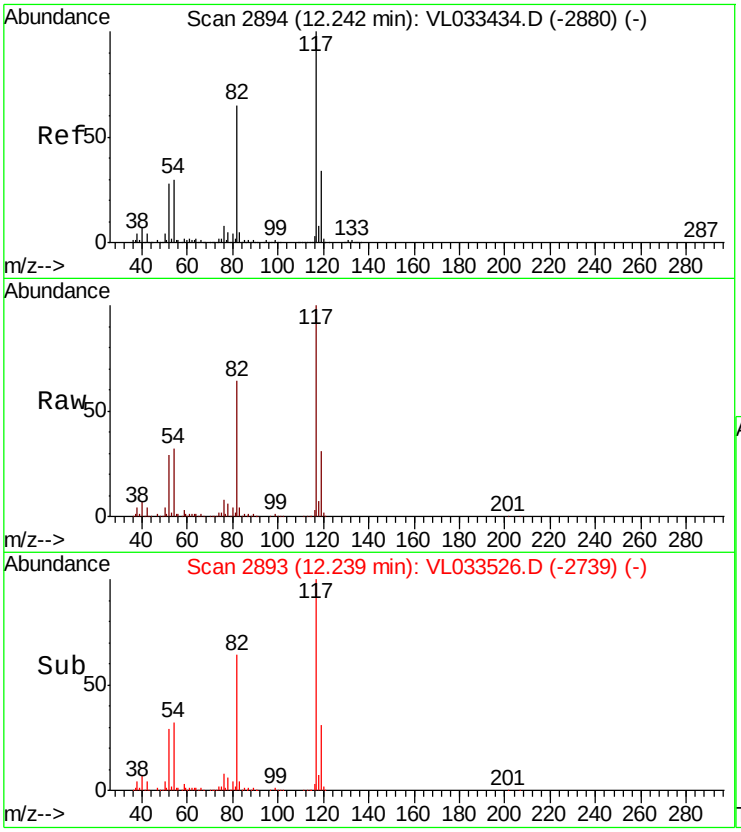




#53
Toluene
Concen: 0.088 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 91 Resp: 14650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 0.0 | 47.4 | 71.0# |



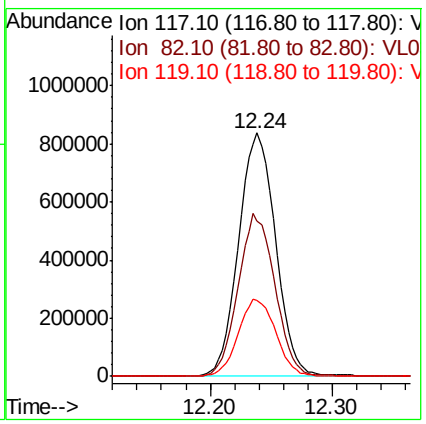


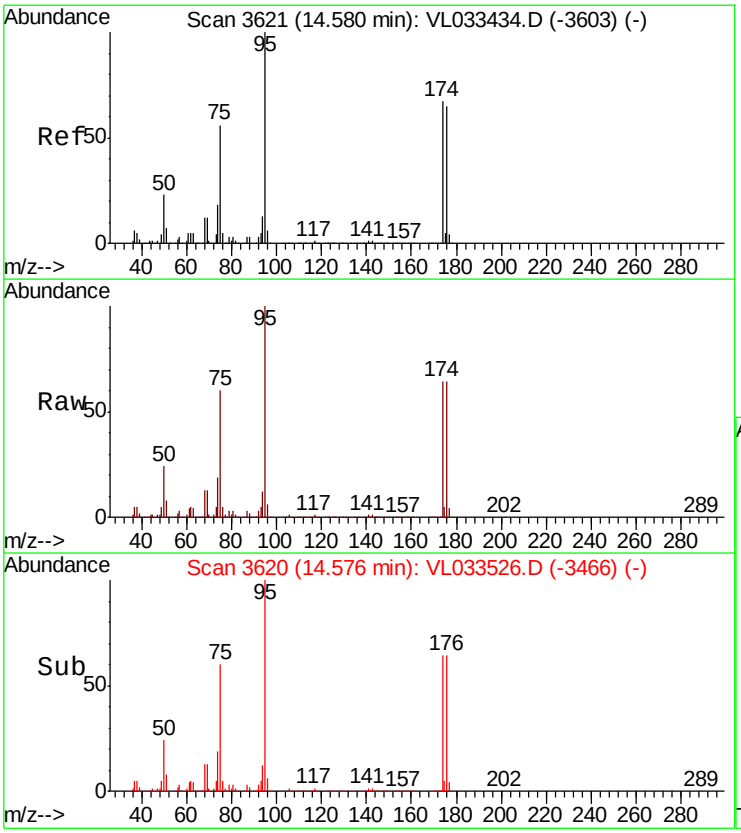

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

**Instrument :**
MSVOA_V
**ClientSampleId :**
SG-1-MAIN-DECT-ROOMDL

Tgt Ion:117 Resp: 1747110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 67.0 | 51.5 | 77.3 |
| 119 | 32.2 | 25.5 | 38.3 |




#68
1-Bromo-4-Fluorobenzene
Concen: 9.810 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 95 Resp: 1343700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.0 | 52.9 | 79.3 |
| 175 | 4.7 | 3.8 | 5.6 |