Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025766.D
Acq On : 27 Jul 2015 23:39
Operator : SY/MD
Sample : G3100-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SV-2DL

Quant Time: Jul 28 02:42:09 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 6.65 | 49 | 818934 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 8.32 | 114 | 2243238 | 10.00 | ppbv | | -0.01 |
| 55) Chlorobenzene-d5 | 13.74 | 117 | 2749299 | 10.00 | ppbv | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 16.28 | 95 | 2382341 | 10.27 | ppbv | | -0.01 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 102.70% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Propene | 3.60 | 41 | 8517 | 0.22 | ppbv | | 84 |
| 13) Ethanol | 4.32 | 45 | 170563 | 28.61 | ppbv | | 98 |
| 15) Acetone | 4.61 | 43 | 161975 | 1.12 | ppbv | # | 83 |
| 19) Isopropyl Alcohol | 4.76 | 45 | 244306 | 4.23 | ppbv | # | 99 |
| 20) Methylene Chloride | 5.15 | 84 | 179105 | 3.05 | ppbv | | 96 |
| 29) Chloroform | 6.74 | 83 | 34012 | 0.17 | ppbv | | 99 |
| 34) 2-Butanone | 6.21 | 43 | 64797 | 0.51 | ppbv | | 100 |
| 53) Toluene | 11.24 | 91 | 60676 | 0.20 | ppbv | | 98 |
| 58) Ethyl Benzene | 14.40 | 91 | 115823 | 0.26 | ppbv | | 90 |
| 59) m/p-Xylene | 14.68 | 91 | 562793 | 1.41 | ppbv | | 100 |
| 60) o-Xylene | 15.49 | 91 | 181189 | 0.42 | ppbv | | 98 |
| 74) 1,2,4-Trimethylbenzene | 18.83 | 105 | 63363 | 0.12 | ppbv | # | 68 |

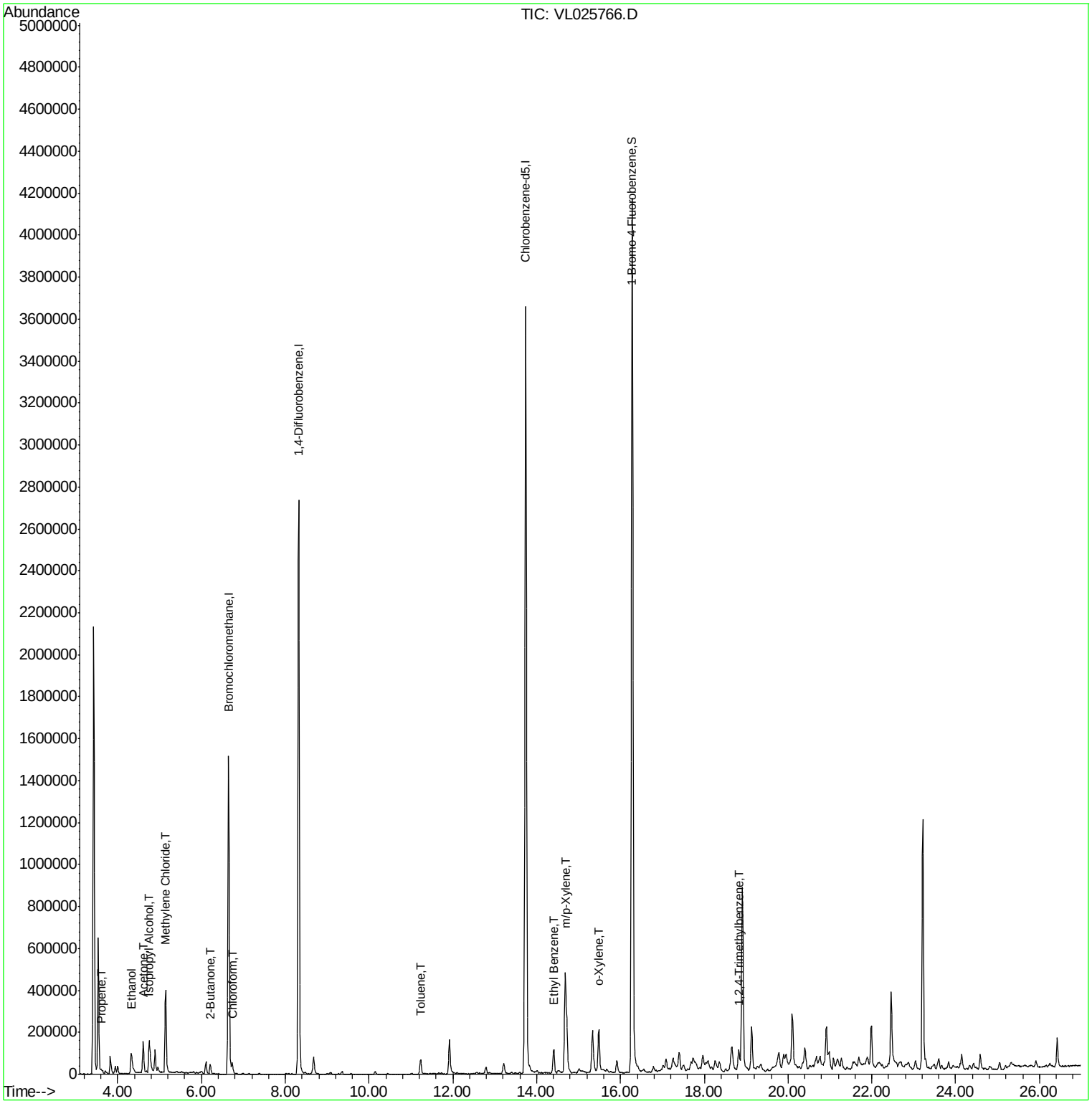
(#) = qualifier out of range (m) = manual integration (+) = signals summed

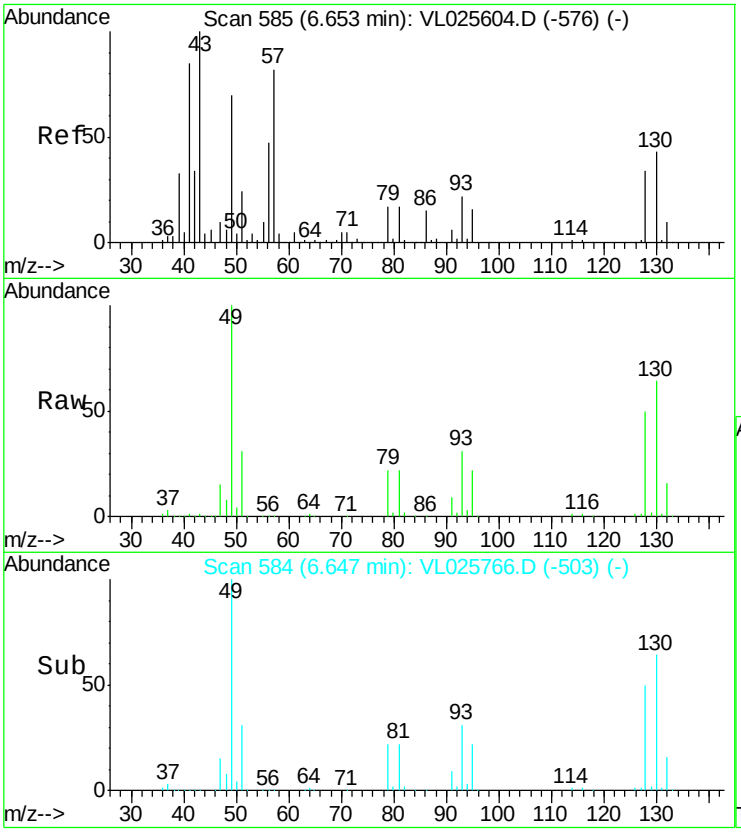
Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025766.D
Acq On : 27 Jul 2015 23:39
Operator : SY/MD
Sample : G3100-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SV-2DL

Quant Time: Jul 28 02:42:09 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration



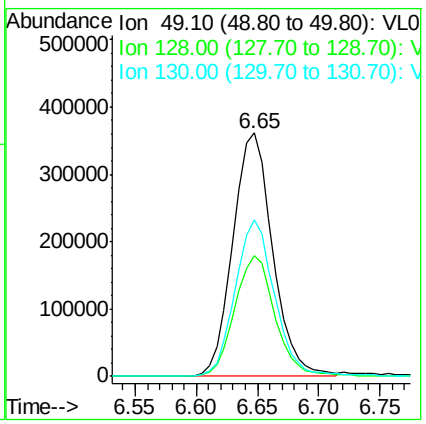


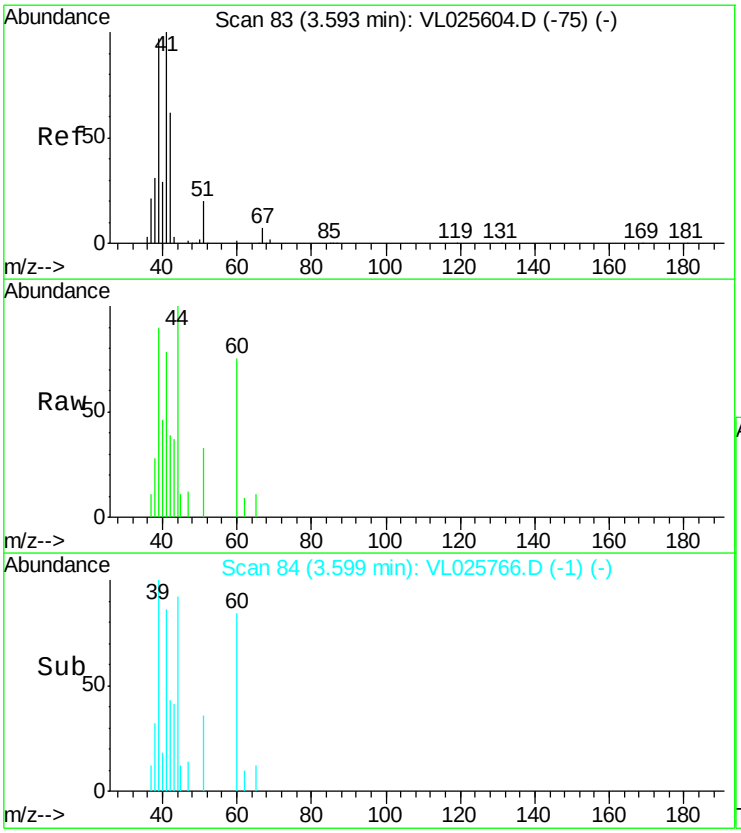

#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-2DL

Tgt Ion: 49 Resp: 818934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 50.7 | 25.4 | 76.0 |
| 130 | 64.5 | 31.9 | 95.9 |

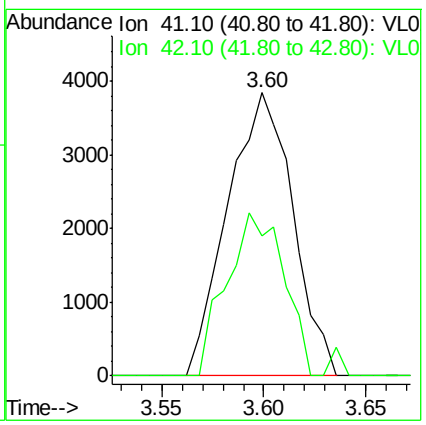


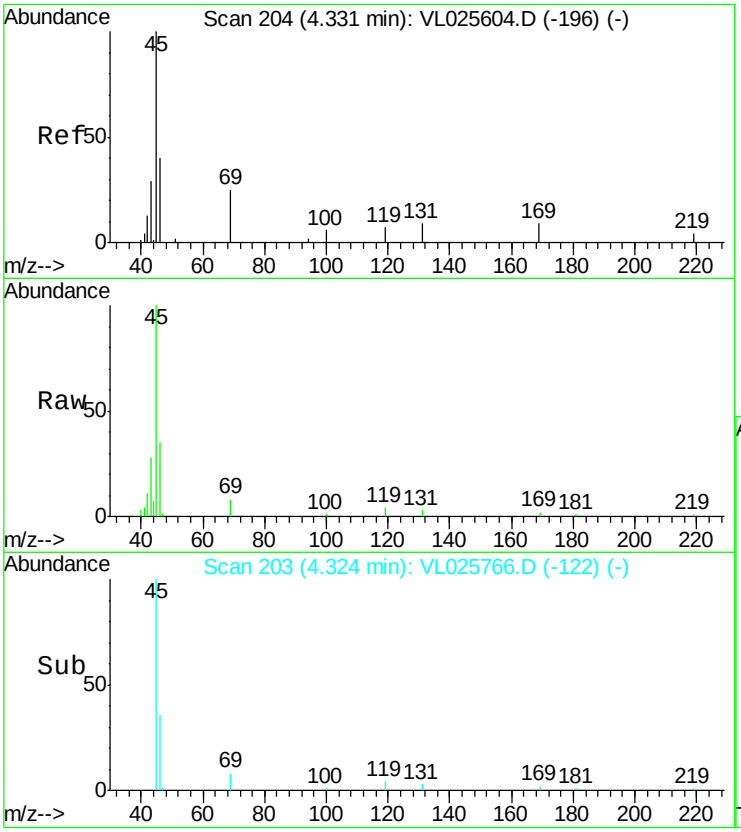




#9
Propene
Concen: 0.22 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

Tgt Ion: 41 Resp: 8517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 52.6 | 52.4 | 78.6 |



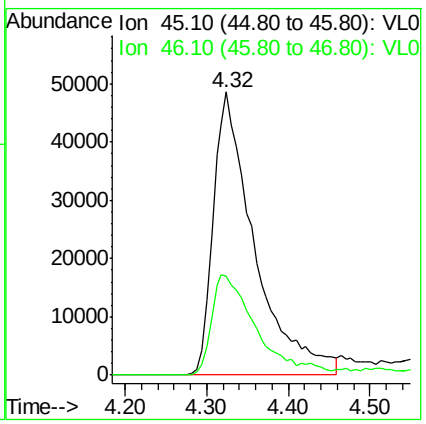


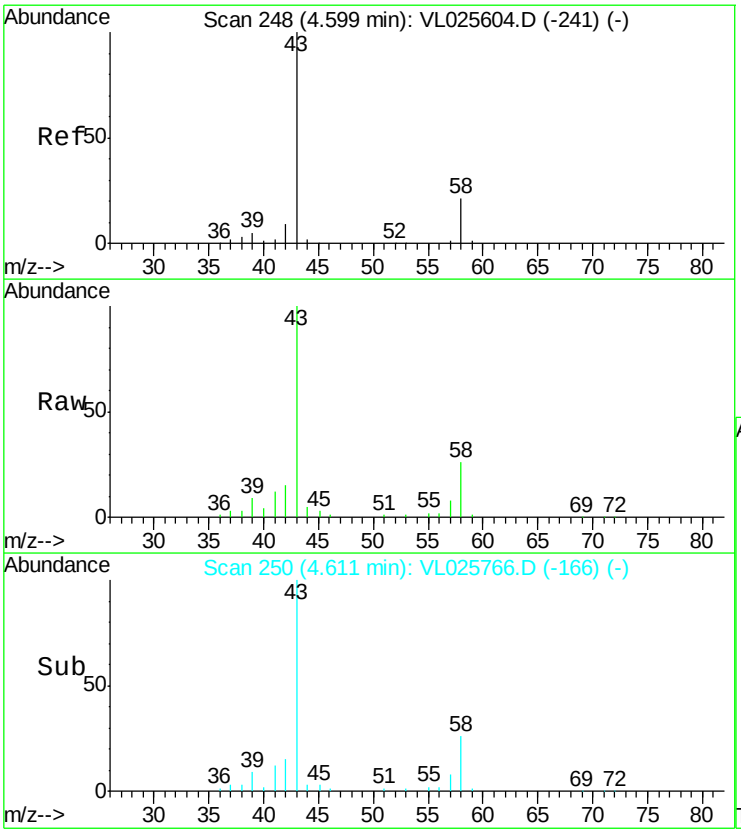

#13
Ethanol
Concen:  28.61 ppbv
RT: 4.32 min  Scan# 203
Delta R.T.  -0.01 min
Lab File:  VL025766.D
Acq: 27 Jul 2015  23:39

**Instrument :** MSVOA_L
**ClientSampleId :** SV-2DL

Tgt Ion: 45 Resp:  170563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 41.1 | 16.0 | 64.0 |

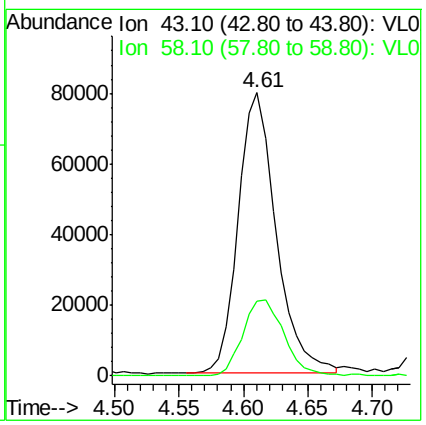


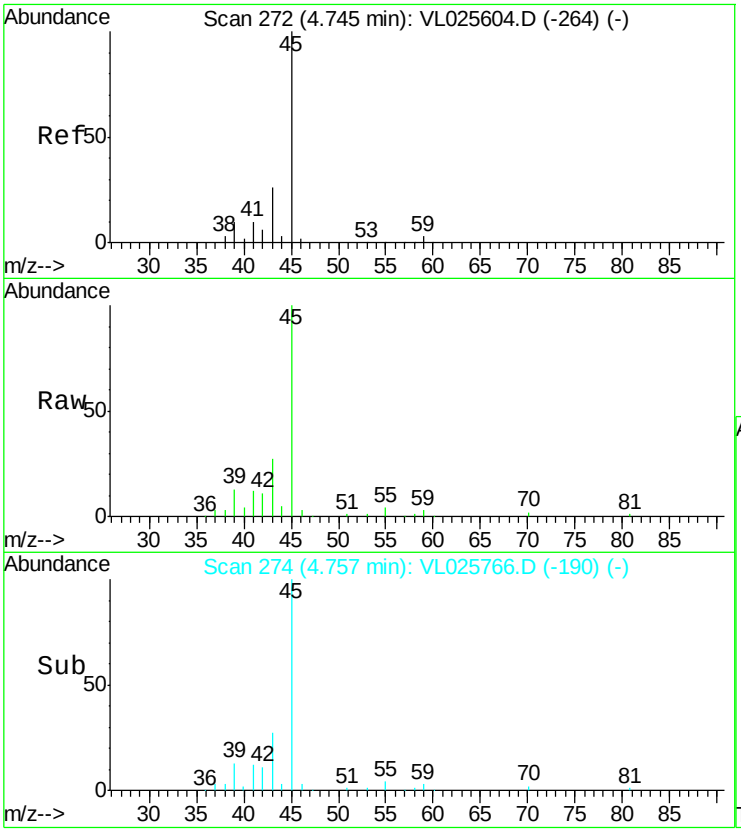




#15
Acetone
Concen:  1.12 ppbv
RT: 4.61 min  Scan# 250
Delta R.T.  0.01 min
Lab File:  VL025766.D
Acq: 27 Jul 2015  23:39

Tgt Ion: 43 Resp:  161975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.5 | 17.2 | 25.8# |



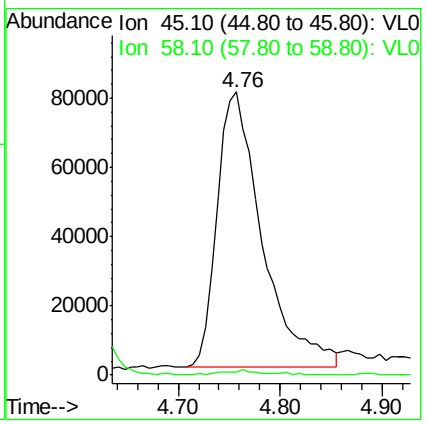


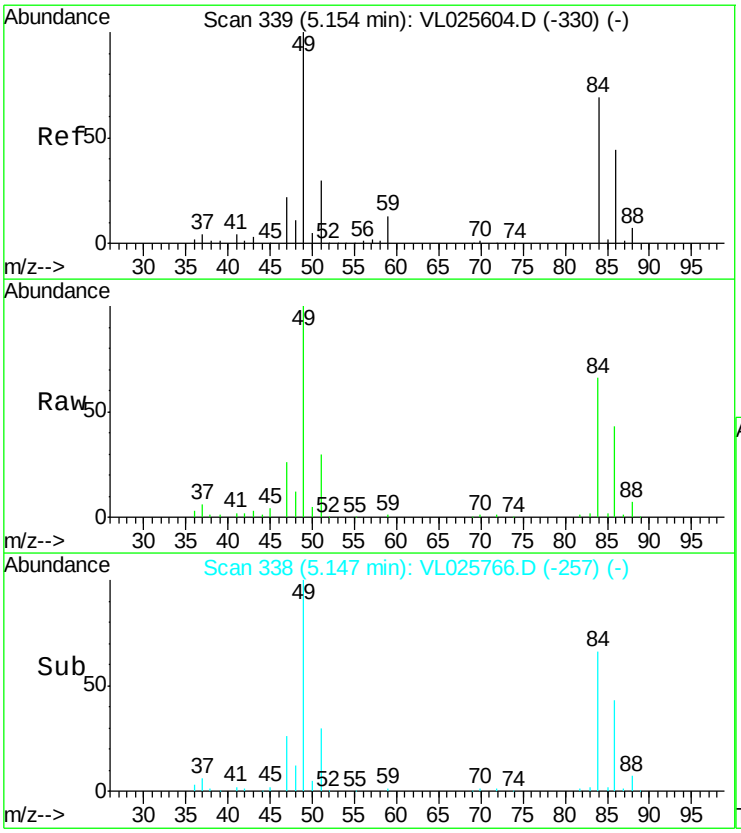

#19
Isopropyl Alcohol
Concen: 4.23 ppbv
RT: 4.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

**Instrument :** MSVOA_L
**ClientSampleId :** SV-2DL

Tgt Ion: 45 Resp: 244306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 1.7 | 1.1 | 1.7# |

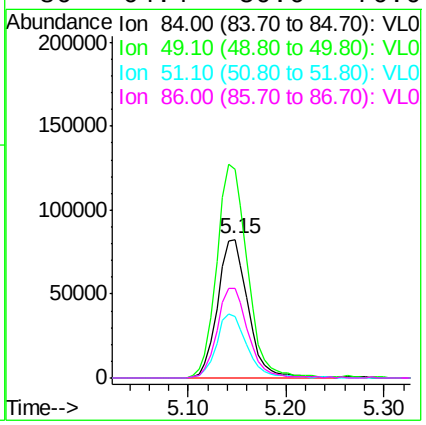


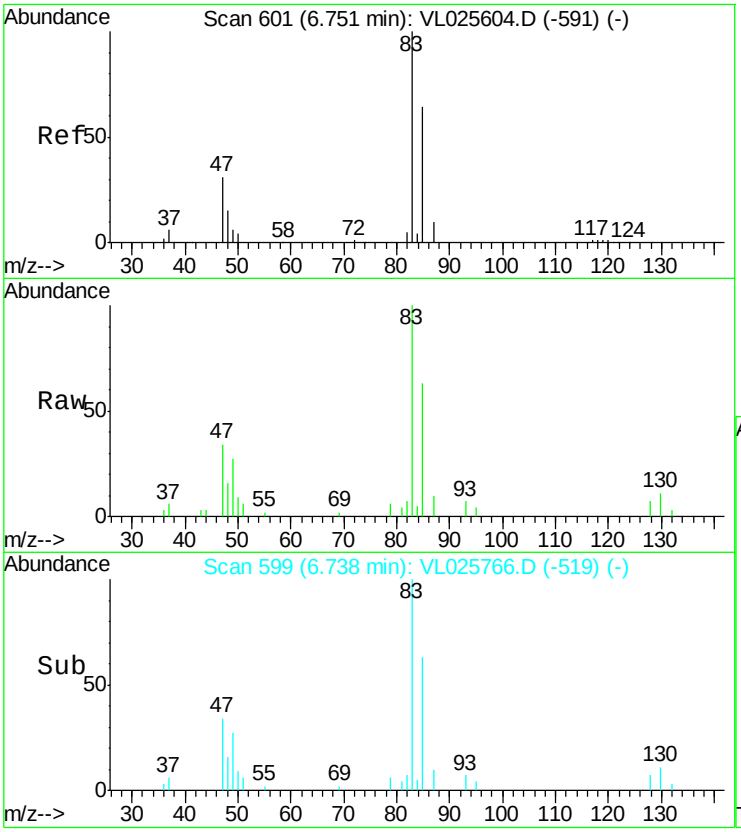




#20
Methylene Chloride
Concen: 3.05 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

Tgt Ion: 84 Resp: 179105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 150.4 | 115.2 | 172.8 |
| 51 | 44.5 | 35.0 | 52.6 |
| 86 | 64.4 | 50.6 | 76.0 |



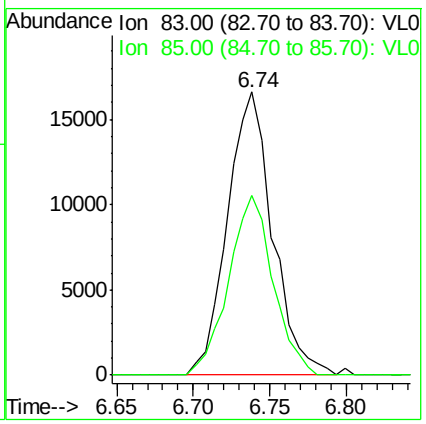


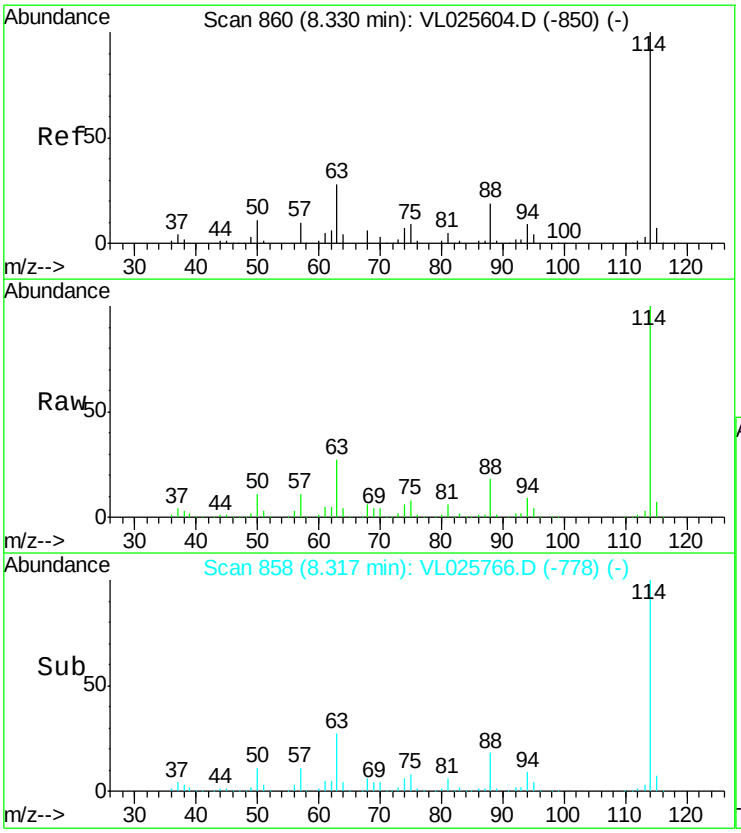

#29
Chloroform
Concen: 0.17 ppbv
RT: 6.74 min Scan# 599
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-2DL

Tgt Ion: 83 Resp: 34012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 51.6 | 77.4 |

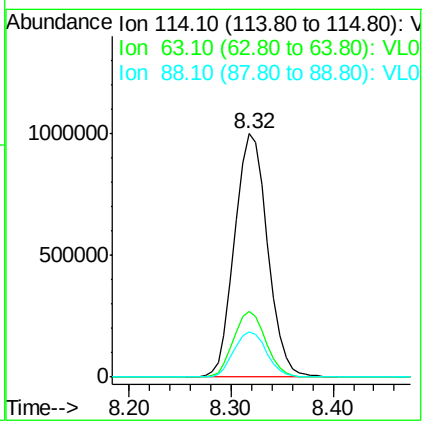


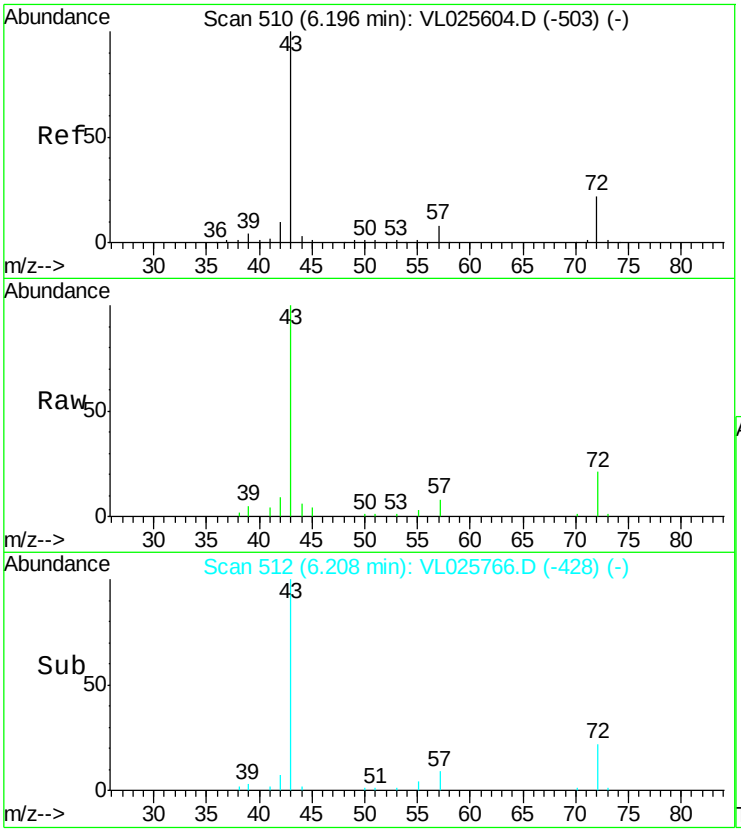




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

Tgt Ion:114 Resp: 2243238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.6 | 22.4 | 33.6 |
| 88 | 18.4 | 15.0 | 22.4 |



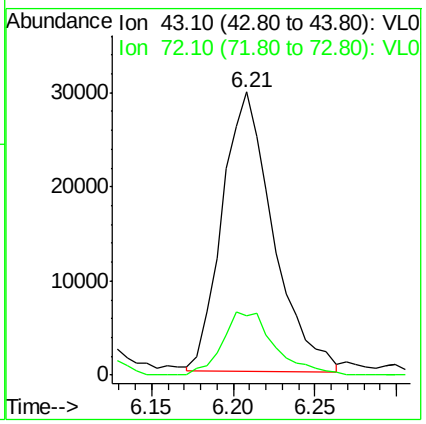


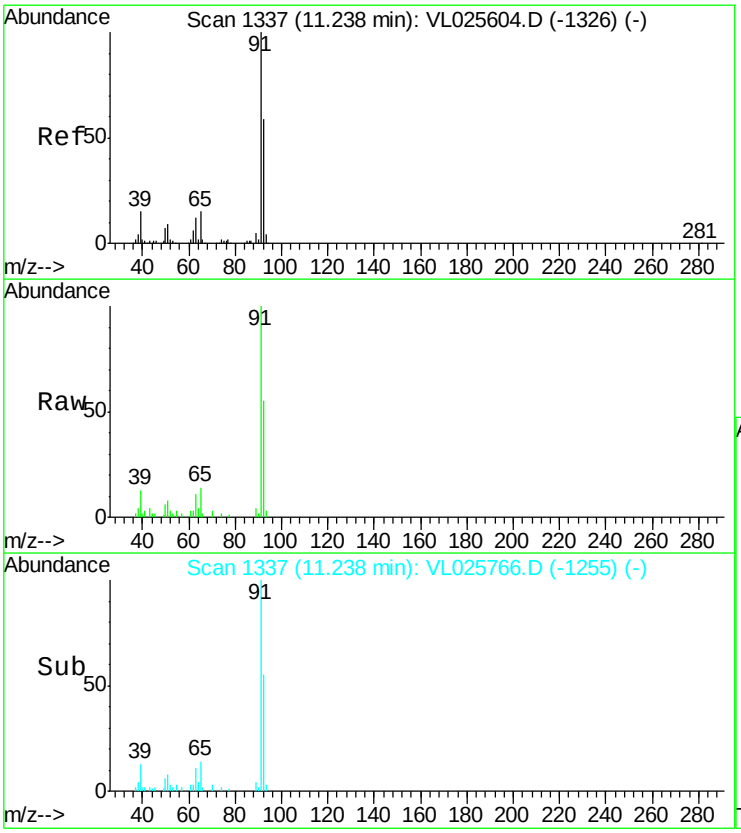

#34
2-Butanone
Concen: 0.51 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-2DL

Tgt Ion: 43 Resp: 64797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.1 | 18.6 | 28.0 |

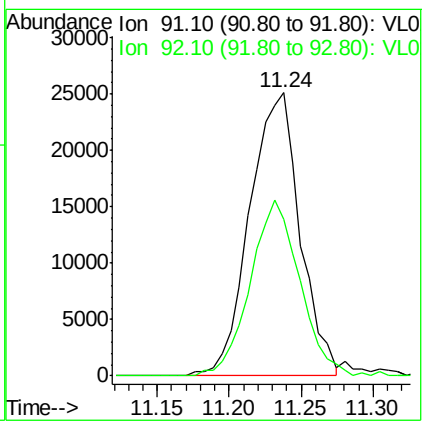


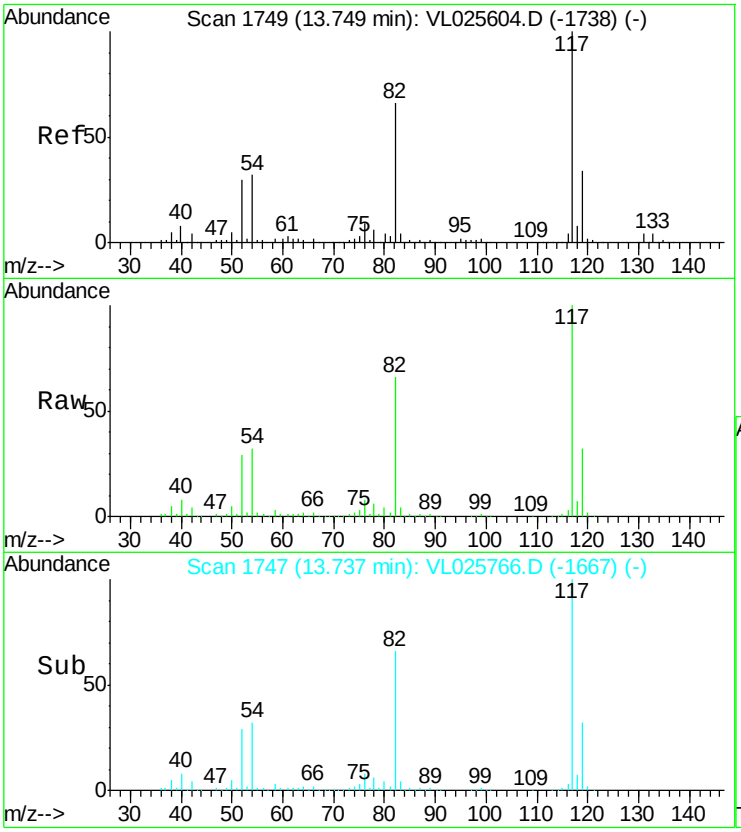




#53
Toluene
Concen: 0.20 ppbv
RT: 11.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

Tgt Ion: 91 Resp: 60676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 61.5 | 48.2 | 72.2 |



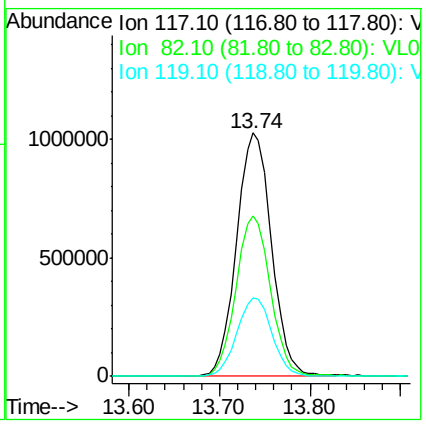


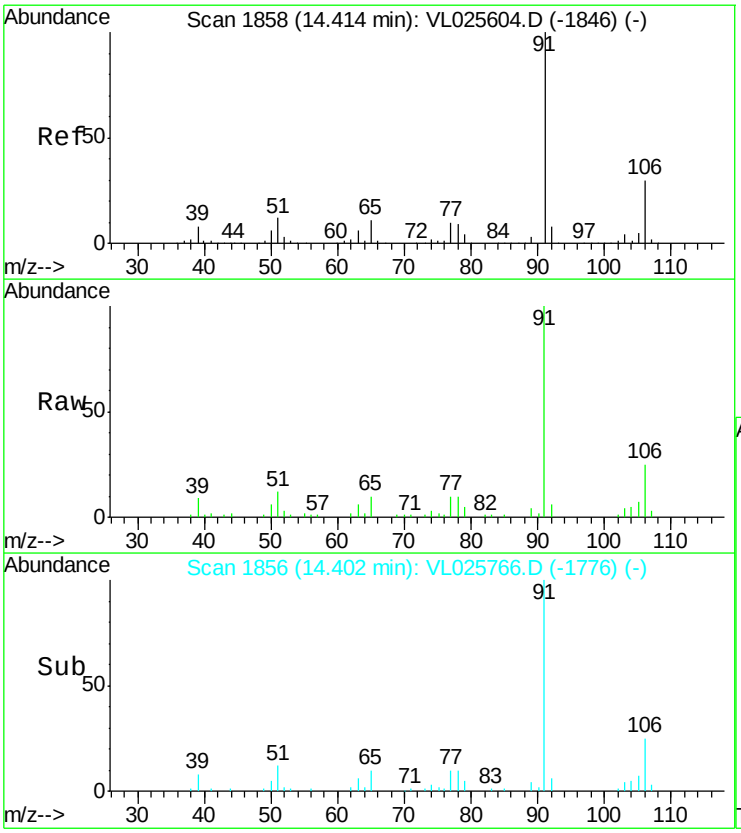

#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

**Instrument :** MSVOA_L
**ClientSampleId :** SV-2DL

Tgt Ion:117 Resp: 2749299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 65.9 | 50.5 | 75.7 |
| 119 | 32.7 | 45.1 | 67.7# |

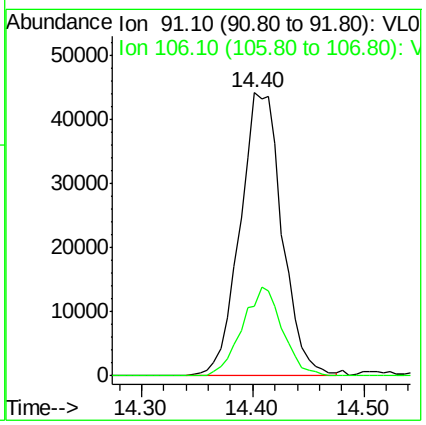


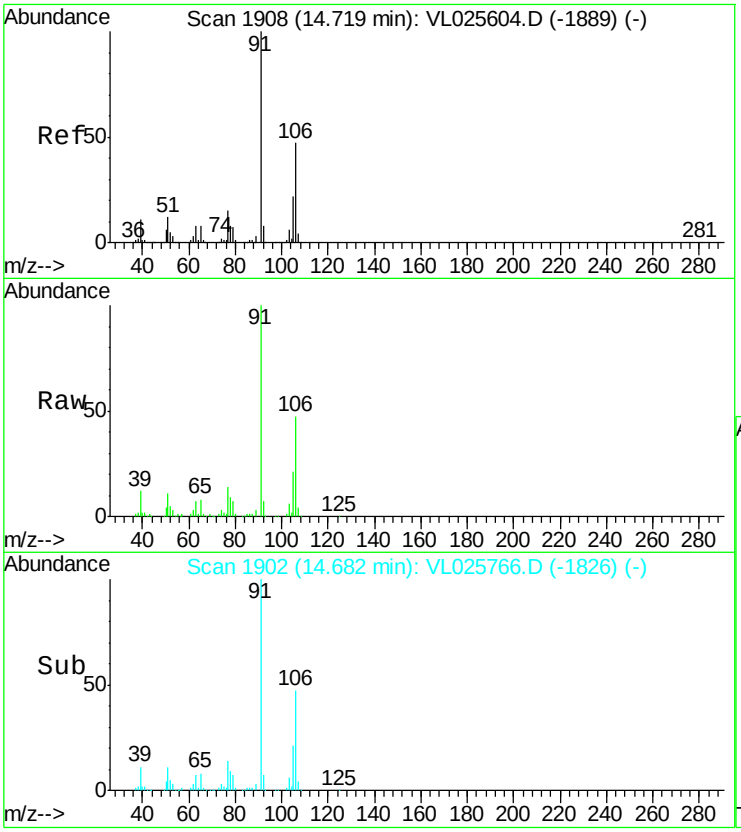




#58
Ethyl Benzene
Concen: 0.26 ppbv
RT: 14.40 min Scan# 1856
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

Tgt Ion: 91 Resp: 115823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 24.6 | 24.2 | 36.2 |



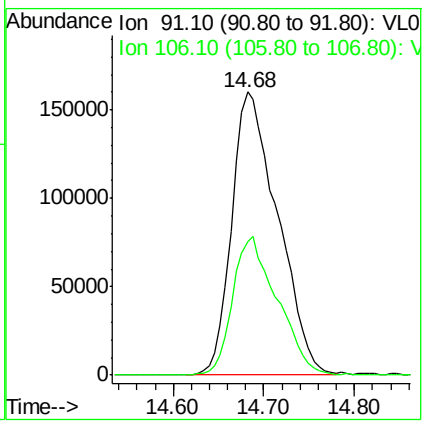


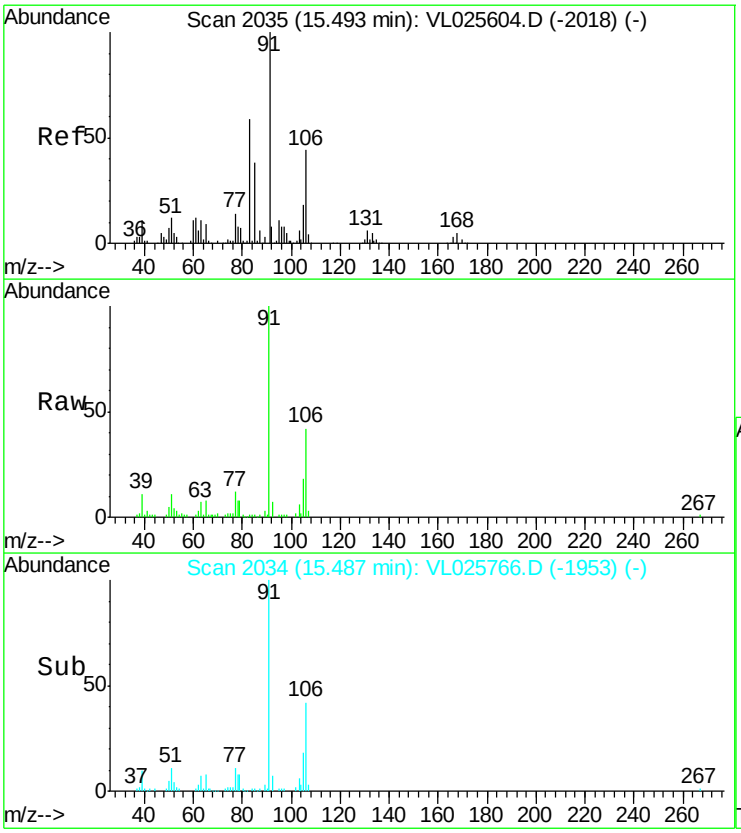

#59
m/p-Xylene
Concen: 1.41 ppbv
RT: 14.68 min Scan# 1902
Delta R.T. -0.04 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

**Instrument :** MSVOA_L
**ClientSampleId :** SV-2DL

Tgt Ion: 91 Resp: 562793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 47.6 | 37.9 | 56.9 |

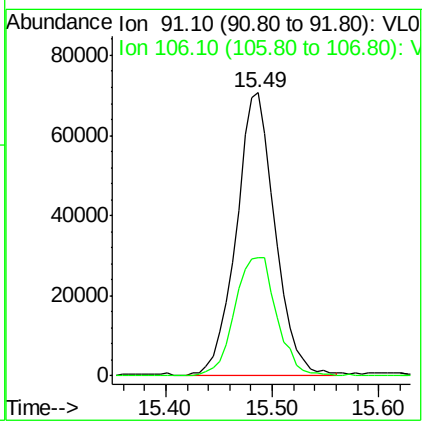


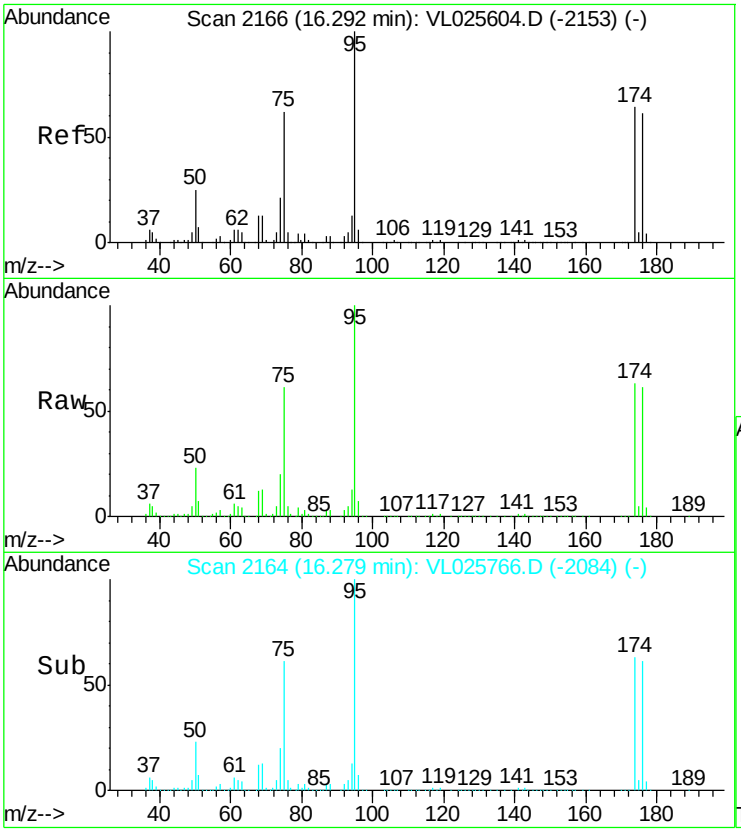




#60
o-Xylene
Concen: 0.42 ppbv
RT: 15.49 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

Tgt Ion: 91 Resp: 181189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 45.2 | 22.1 | 66.1 |



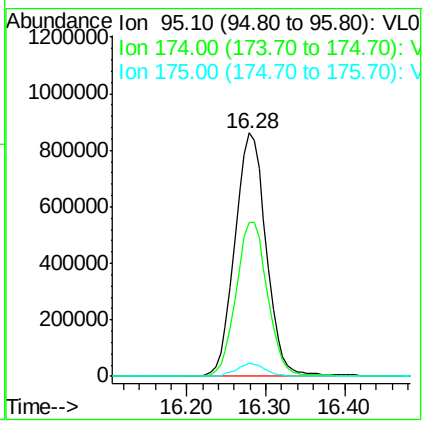


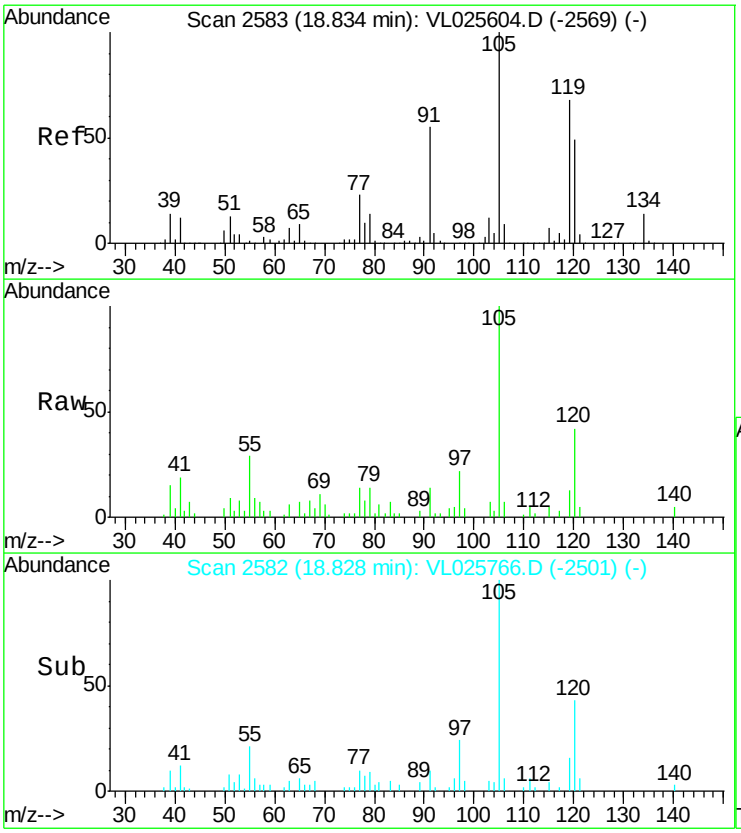

#68
1-Bromo-4-Fluorobenzene
Concen: 10.27 ppbv
RT: 16.28 min Scan# 2164
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-2DL

Tgt Ion: 95 Resp: 2382341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.3 | 52.0 | 78.0 |
| 175 | 5.0 | 3.9 | 5.9 |




#74
1,2,4-Trimethylbenzene
Concen: 0.12 ppbv
RT: 18.83 min Scan# 2582
Delta R.T. -0.01 min
Lab File: VL025766.D
Acq: 27 Jul 2015 23:39

Tgt Ion:105 Resp: 63363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.1 | 39.3 | 58.9 |
| 91 | 14.1 | 43.8 | 65.6# |
| 77 | 12.6 | 18.3 | 27.5# |