Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032320\
Data File : VL034928.D
Acq On : 23 Mar 2020 13:18
Operator : SY/AP
Sample : VL0323ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABL01

Quant Time: Mar 24 02:09:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.65 | 49 | 1037462 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.17 | 114 | 2220596 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.10 | 117 | 2227168 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.44 | 95 | 1850521 | 10.65 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 106.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 15) Acetone | 3.84 | 43 | 32459 | 0.241 | ppbv # | 68 |
| 20) Methylene Chloride | 4.31 | 84 | 5802 | 0.136 | ppbv # | 79 |

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

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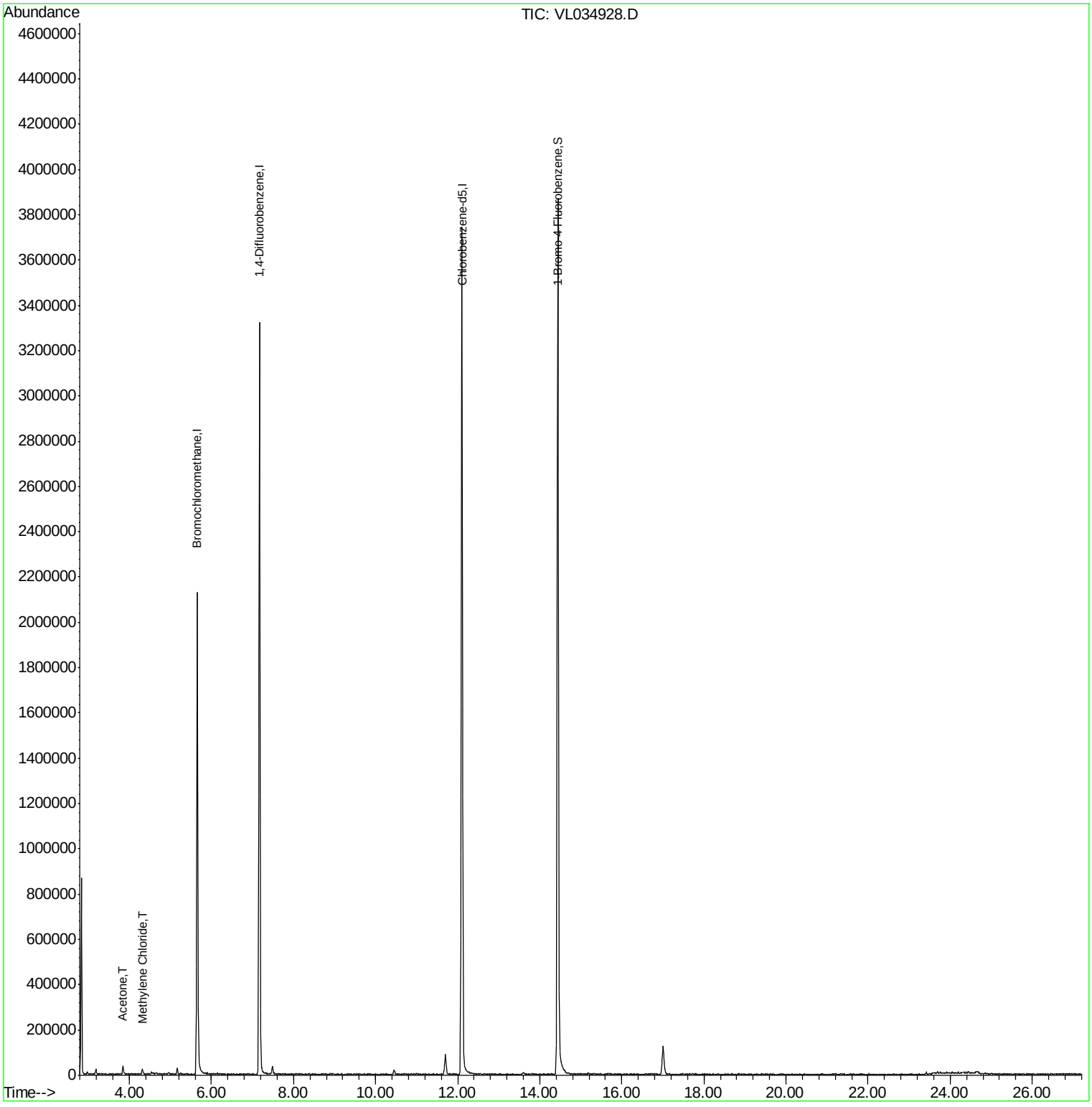
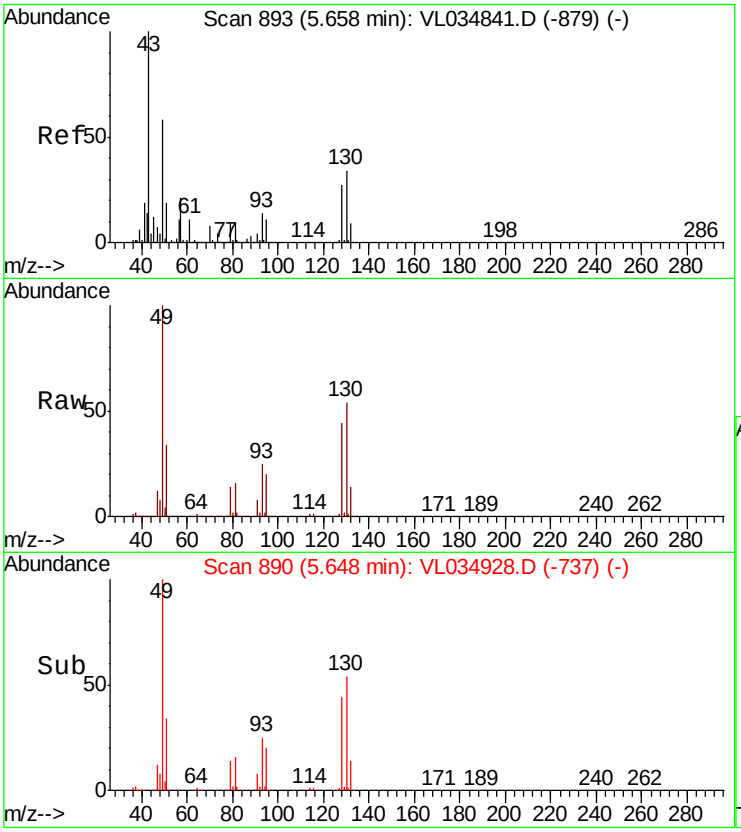


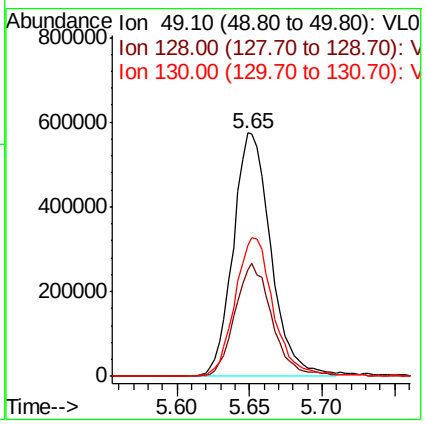


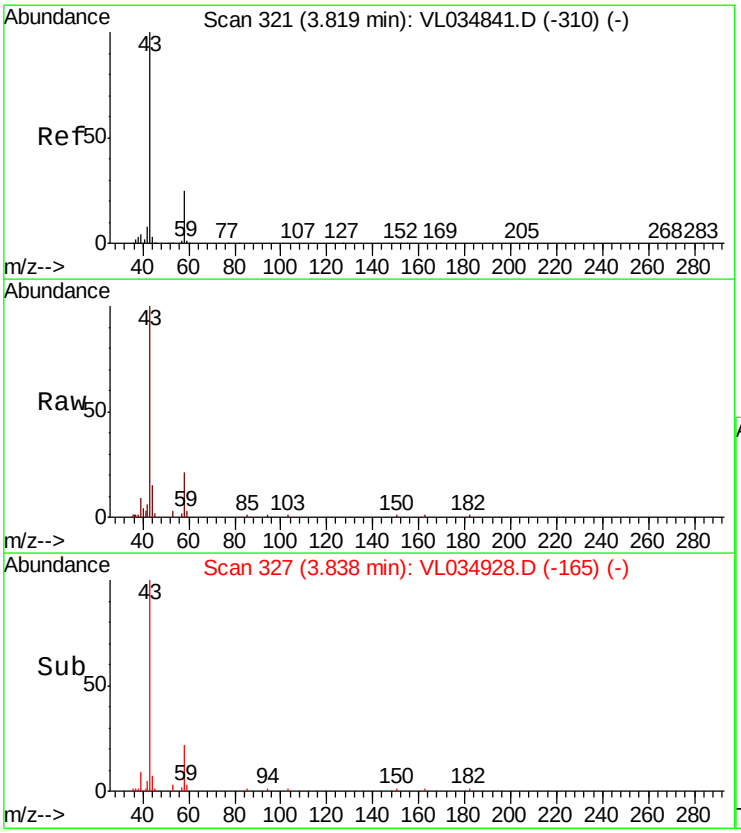

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL034928.D
Acq: 23 Mar 2020 13:18

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABL01

Tgt Ion: 49 Resp: 1037462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 46.4 | 23.4 | 70.3 |
| 130 | 58.6 | 30.0 | 90.0 |

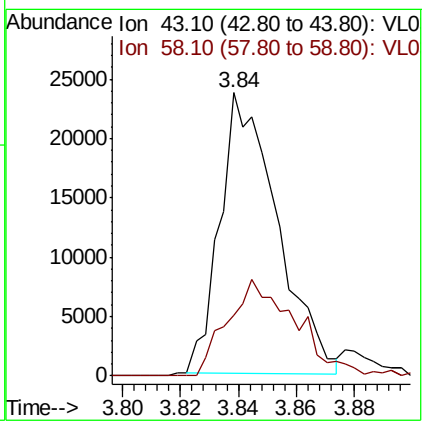


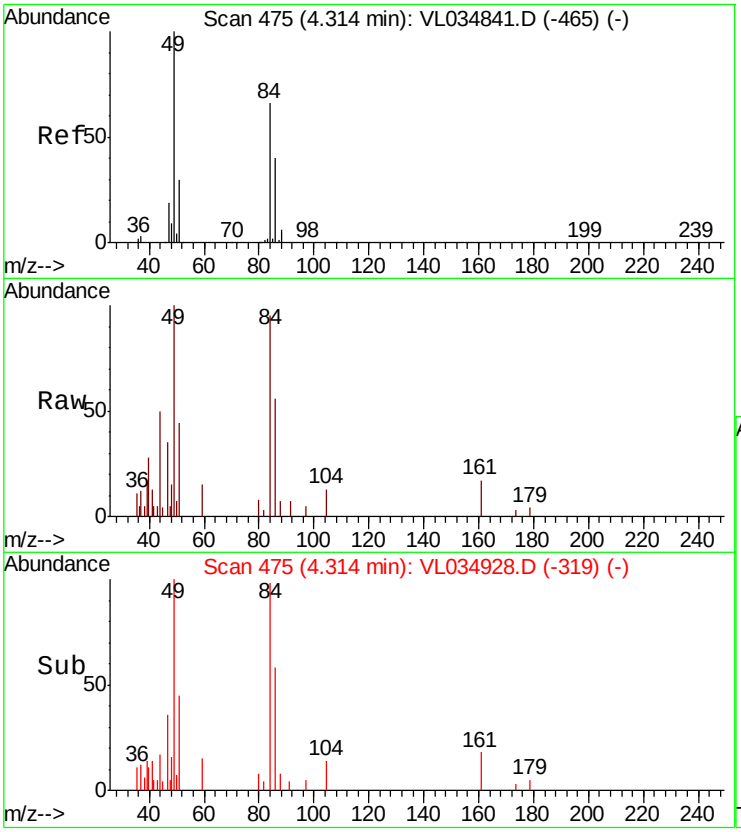




#15
Acetone
Concen: 0.241 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL034928.D
Acq: 23 Mar 2020 13:18

Tgt Ion: 43 Resp: 32459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.5 | 21.0 | 31.6# |



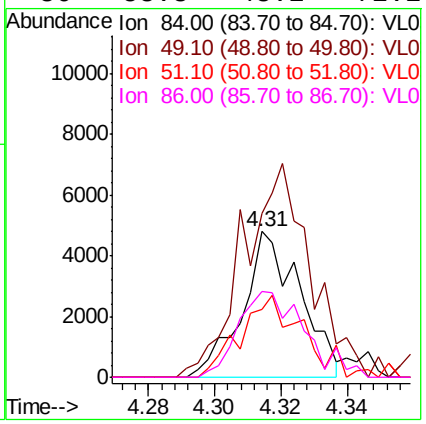


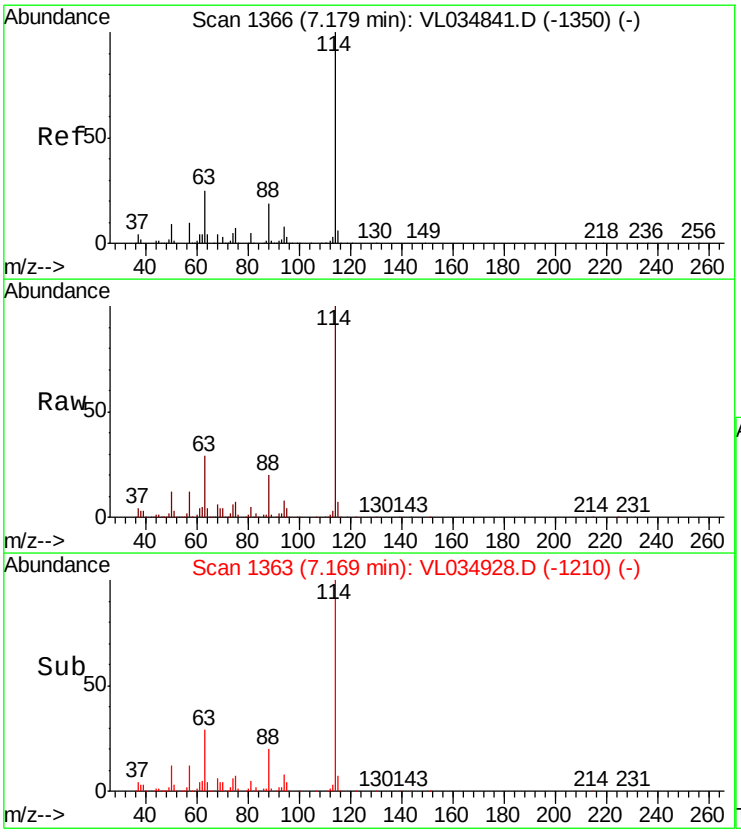

#20
Methylene Chloride
Concen: 0.136 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034928.D
Acq: 23 Mar 2020 13:18

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABL01

Tgt Ion: 84 Resp: 5802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 106.6 | 121.5 | 182.3# |
| 51 | 46.2 | 36.6 | 55.0 |
| 86 | 58.8 | 48.2 | 72.2 |

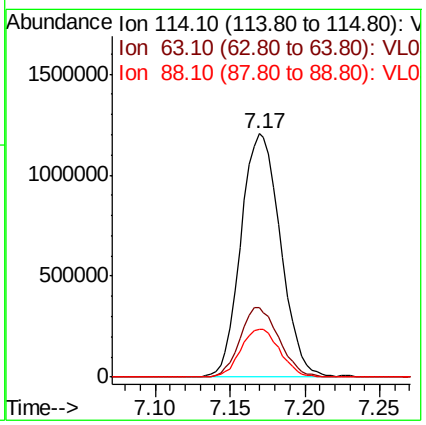


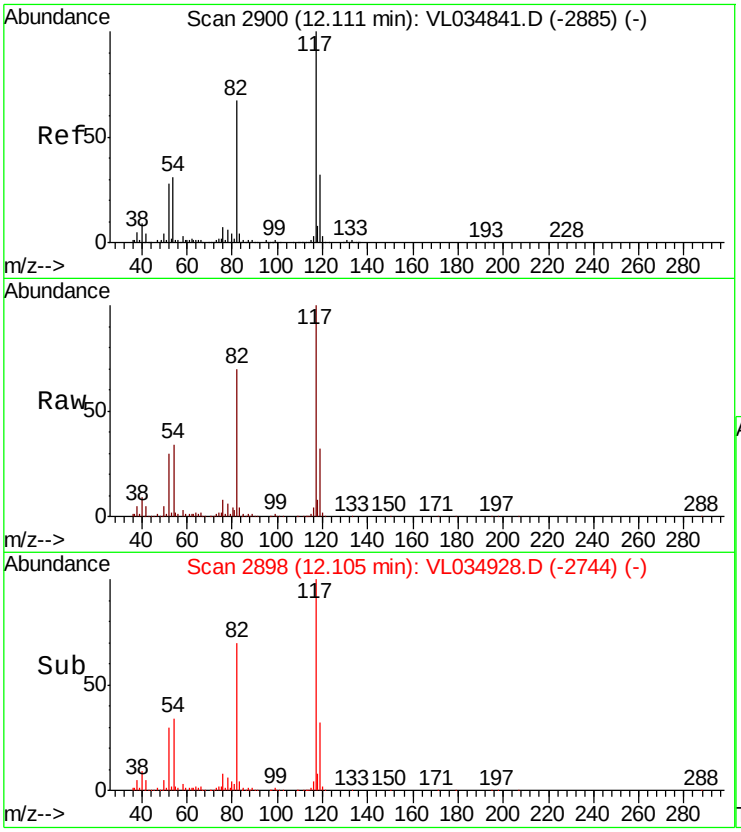




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034928.D
Acq: 23 Mar 2020 13:18

Tgt Ion:114 Resp: 2220596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 28.2 | 20.6 | 31.0 |
| 88 | 19.5 | 15.0 | 22.6 |



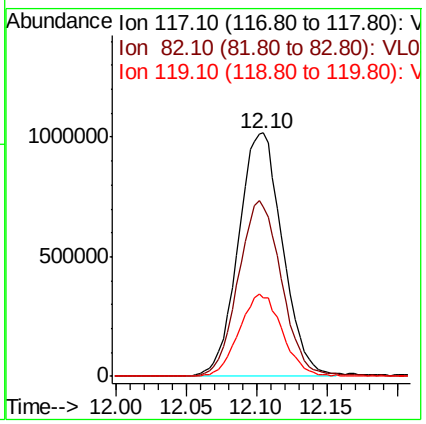


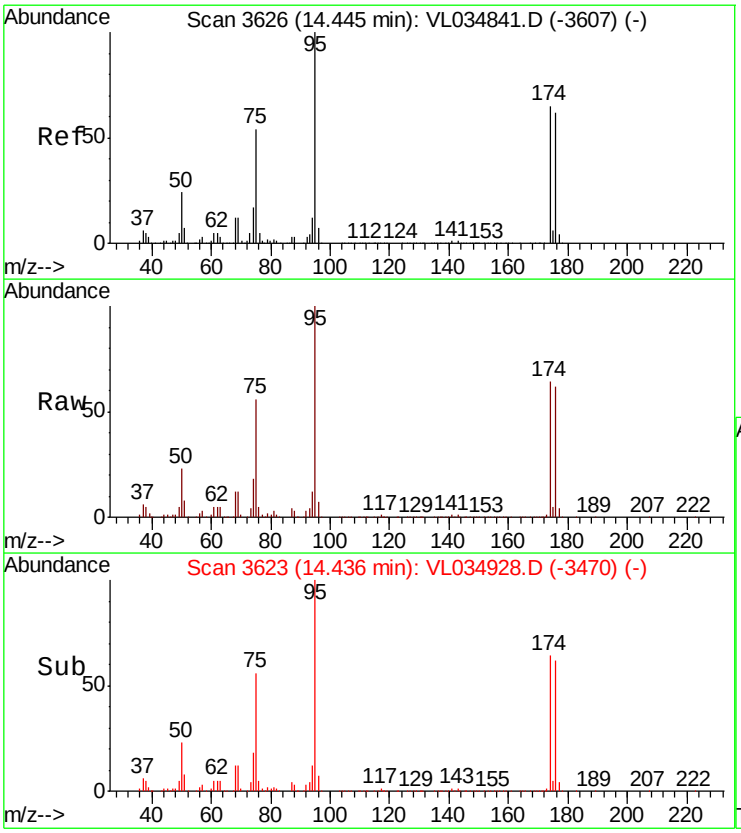

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034928.D
Acq: 23 Mar 2020 13:18

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABL01

Tgt Ion:117 Resp: 2227168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 71.6 | 51.1 | 76.7 |
| 119 | 33.4 | 27.3 | 40.9 |




#68
1-Bromo-4-Fluorobenzene
Concen: 10.654 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL034928.D
Acq: 23 Mar 2020 13:18

Tgt Ion: 95 Resp: 1850521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.6 | 55.2 | 82.8 |
| 175 | 4.7 | 4.3 | 6.5 |