Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
Data File : VL033678.D
Acq On : 7 May 2019 12:22
Operator : SY/AP
Sample : VL0507ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0507ABL01

Quant Time: May 08 03:20:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 911638 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.28 | 114 | 2112168 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.23 | 117 | 2073123 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.57 | 95 | 1801375 | 10.60 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 106.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 15) Acetone | 3.92 | 43 | 21846 | 0.161 | ppbv | # 86 |

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

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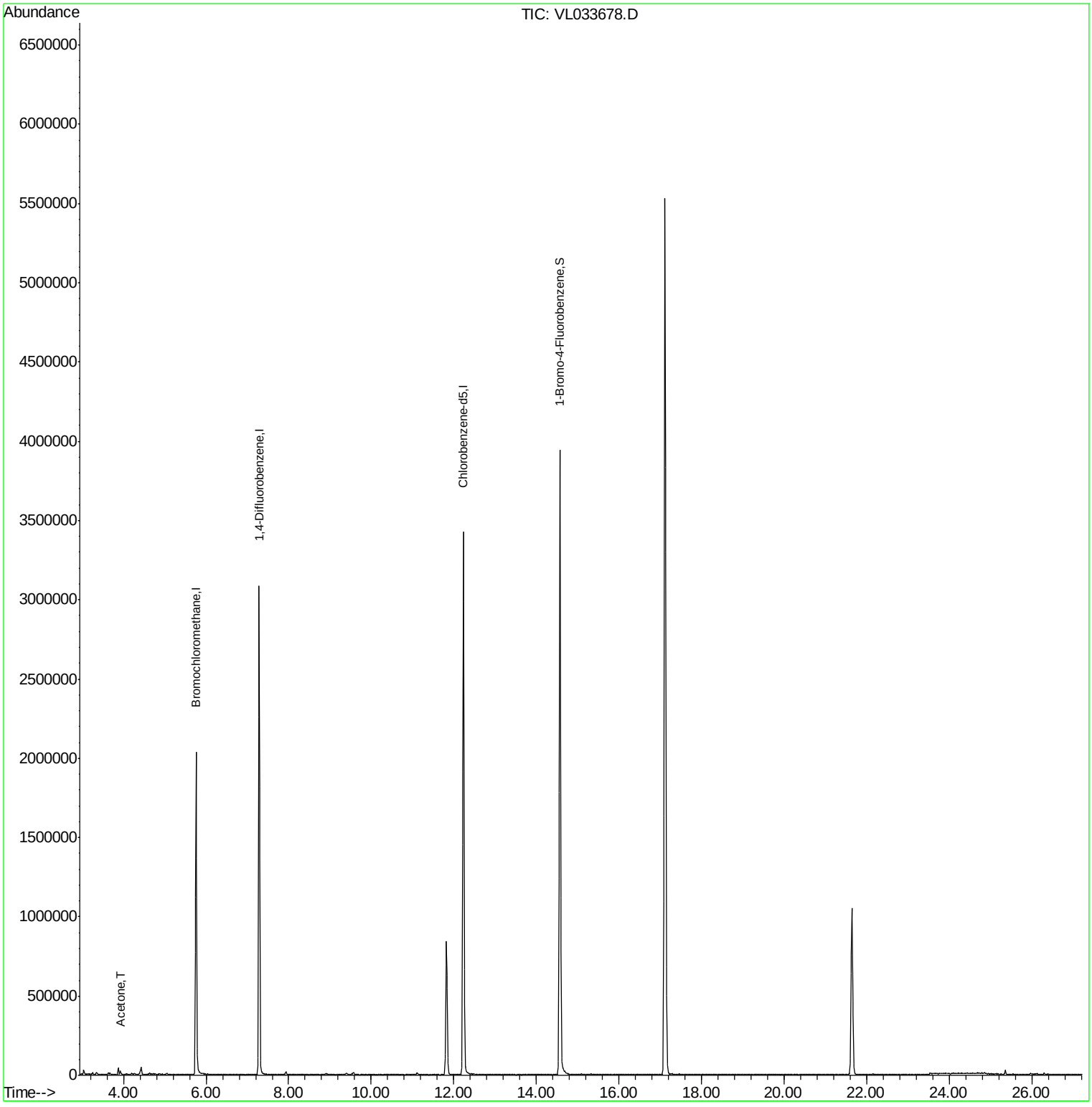
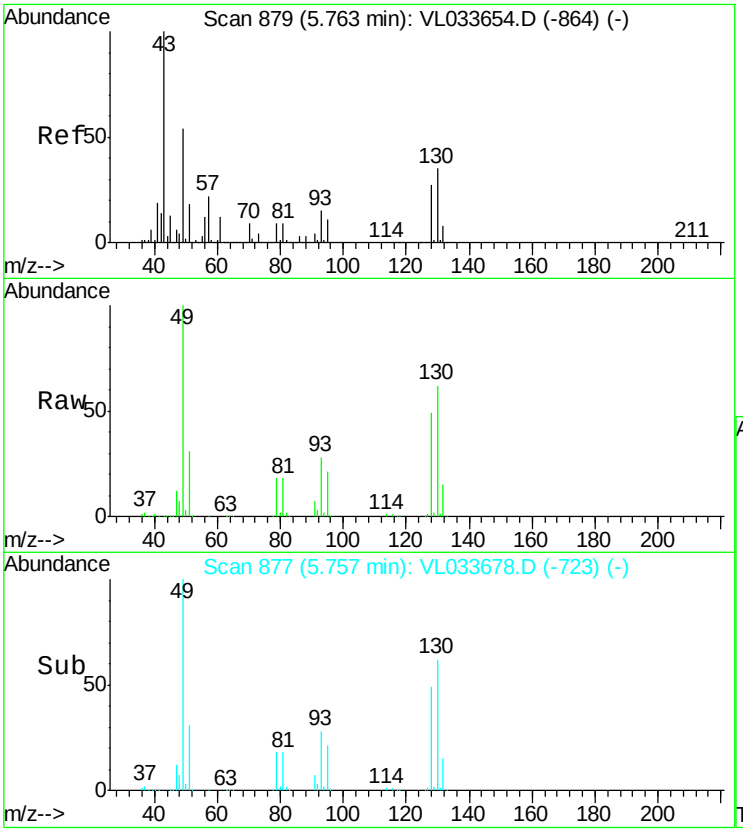


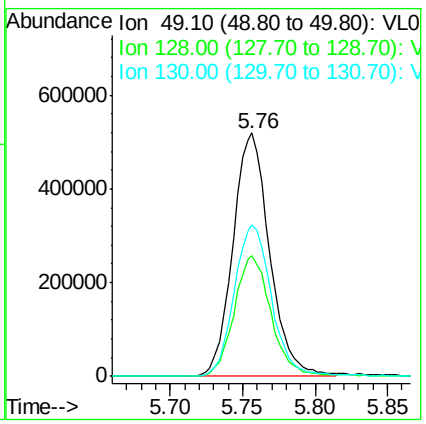


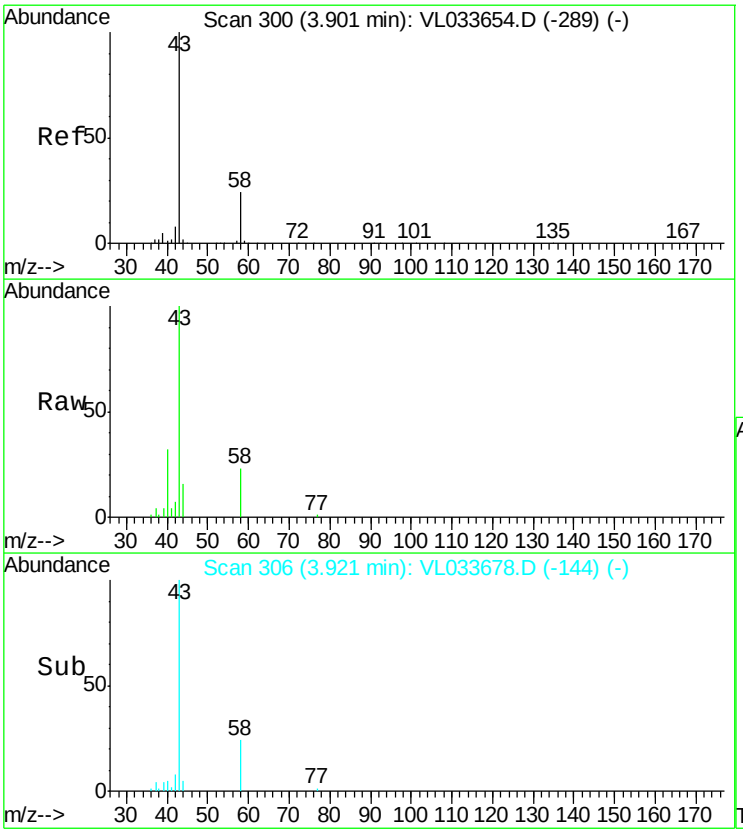

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0507ABL01

Tgt Ion: 49 Resp: 911638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 50.3 | 24.8 | 74.3 |
| 130 | 64.7 | 32.1 | 96.5 |

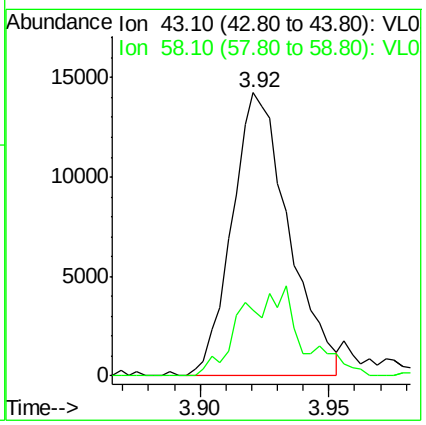


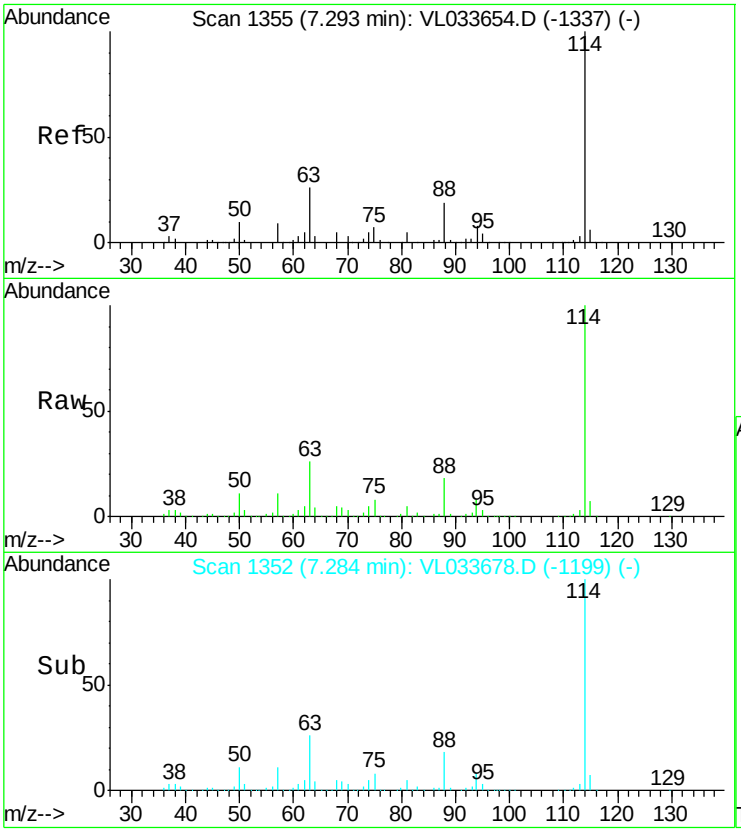




#15
Acetone
Concen: 0.161 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.02 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

Tgt Ion: 43 Resp: 21846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.5 | 20.9 | 31.3# |



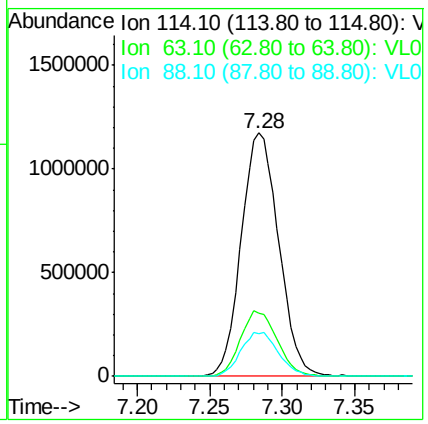


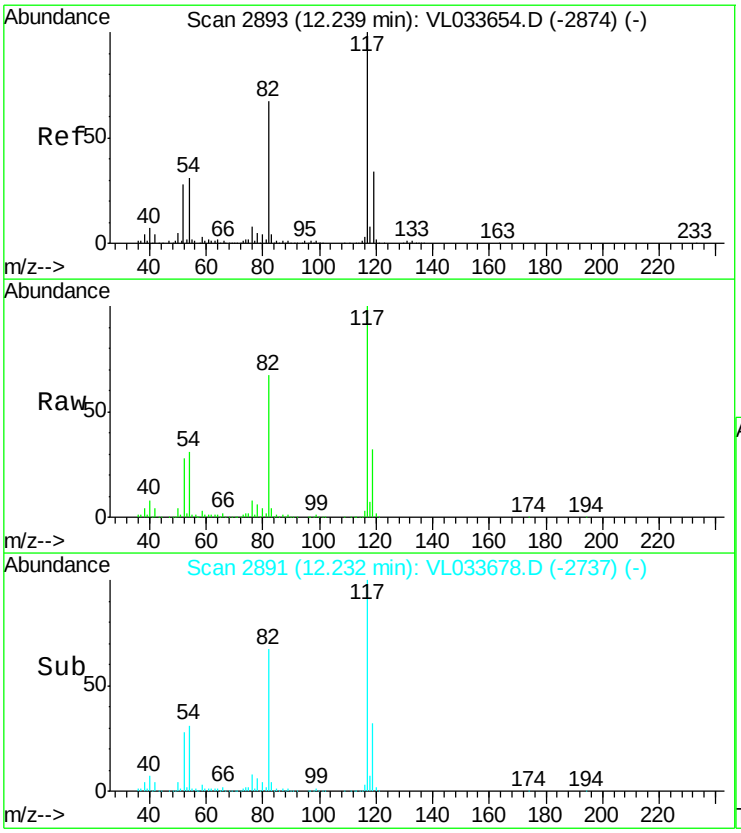

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0507ABL01

Tgt Ion:114 Resp: 2112168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.7 | 21.3 | 31.9 |
| 88 | 18.2 | 14.4 | 21.6 |

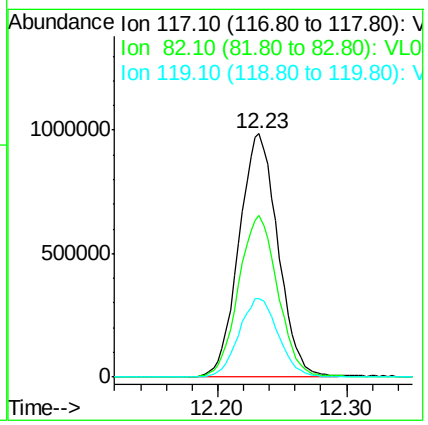


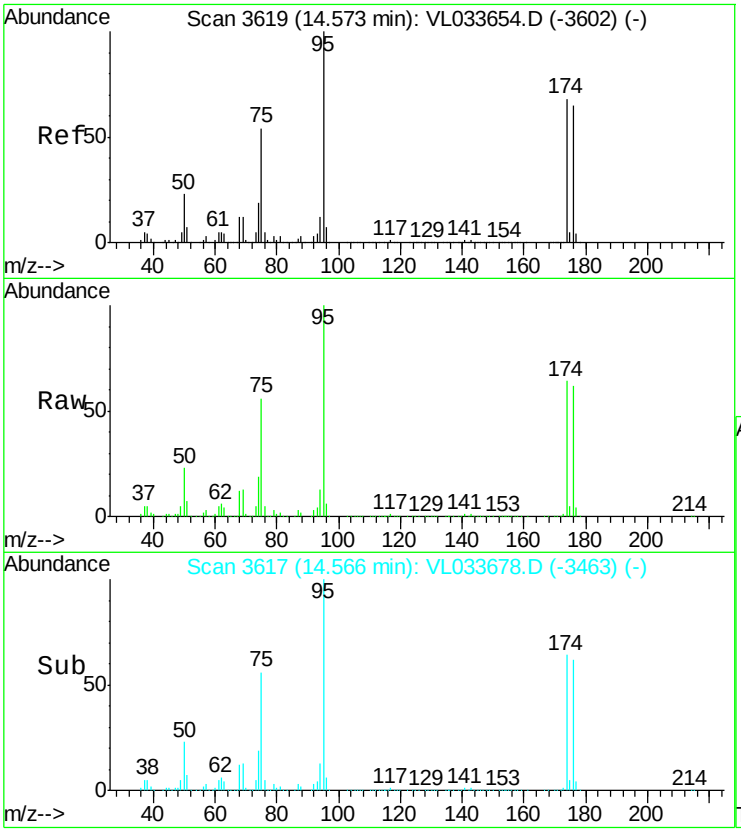




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

Tgt Ion:117 Resp: 2073123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 67.6 | 49.7 | 74.5 |
| 119 | 32.8 | 24.8 | 37.2 |






#68
1-Bromo-4-Fluorobenzene
Concen: 10.600 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0507ABL01

Tgt Ion: 95 Resp: 1801375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.5 | 54.0 | 81.0 |
| 175 | 4.9 | 3.8 | 5.8 |