Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033761.D
Acq On : 23 May 2019 1:55
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: May 23 04:27:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.75 | 49 | 857123 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.28 | 114 | 1962312 | 10.00 | ppbv | -0.01 |
| 55) Chlorobenzene-d5 | 12.23 | 117 | 1938883 | 10.00 | ppbv | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.56 | 95 | 1569521 | 9.99 | ppbv | -0.01 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 99.90% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 20) Methylene Chloride | 4.40 | 84 | 507 | 0.011 | ppbv | # 1 |
| 30) Cyclohexane | 7.27 | 84 | 7178 | 0.095 | ppbv | # 1 |
| 39) 1,2-Dichloropropane | 7.28 | 63 | 518109 | 7.785 | ppbv | # 22 |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

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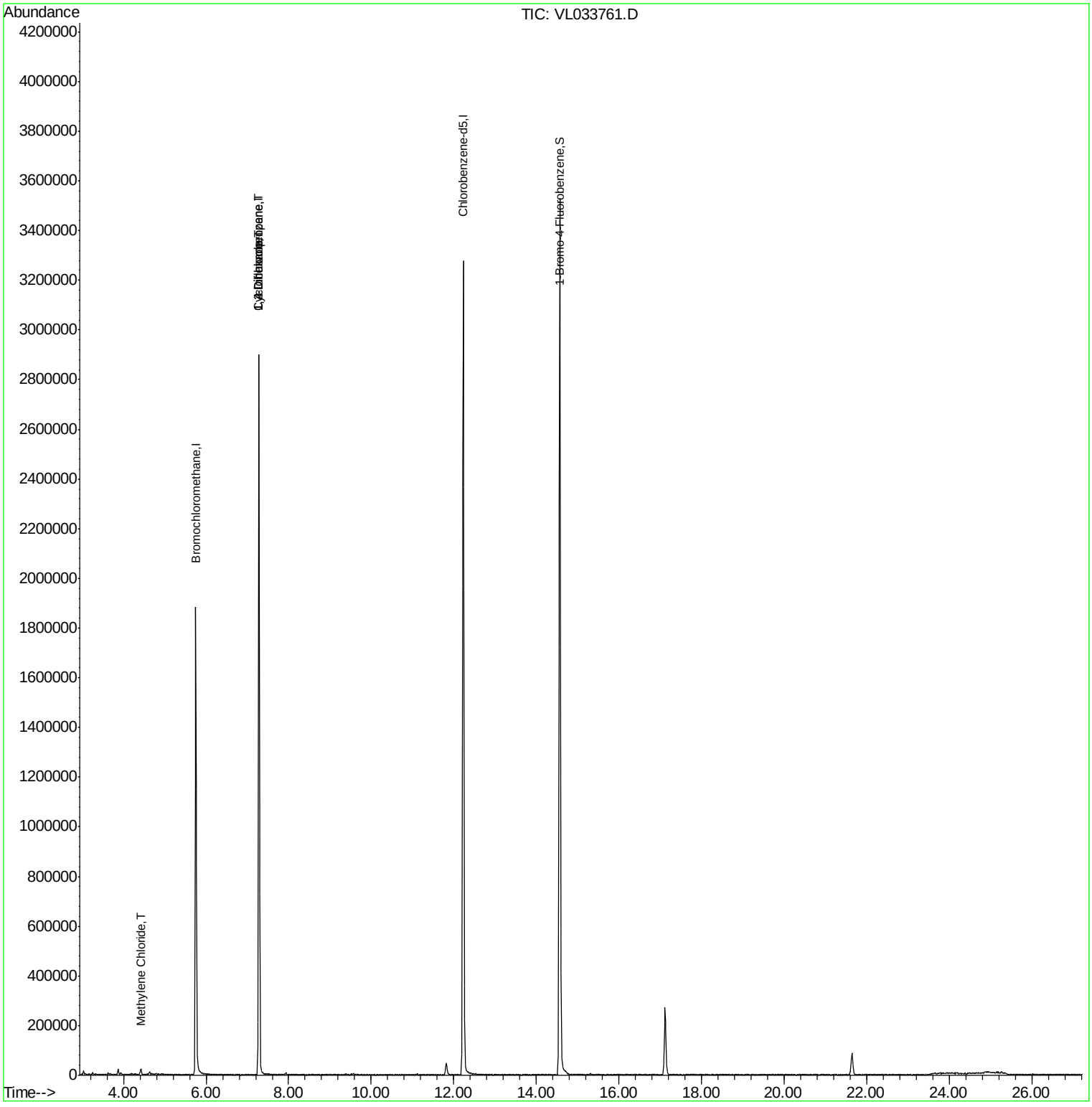
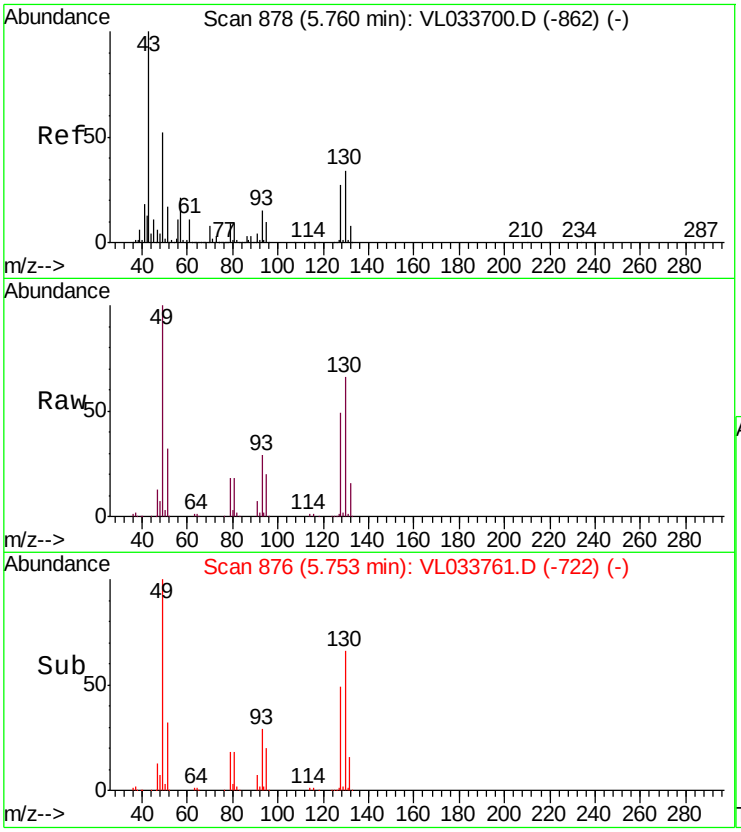
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



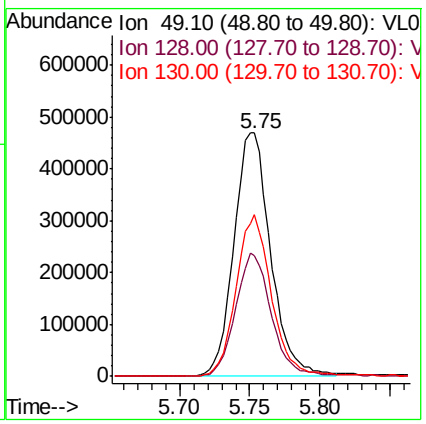


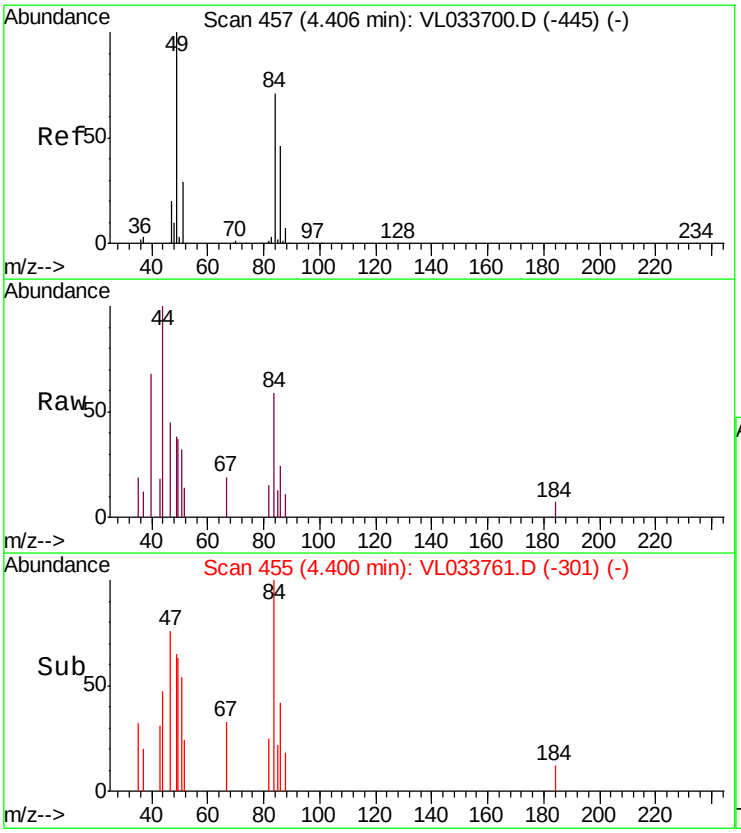

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

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

Tgt Ion: 49 Resp: 857123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 49.7 | 25.2 | 75.6 |
| 130 | 64.5 | 32.5 | 97.5 |

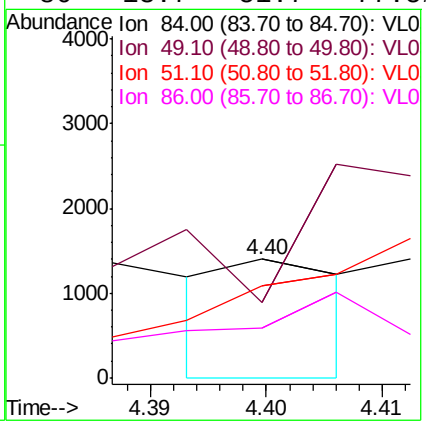


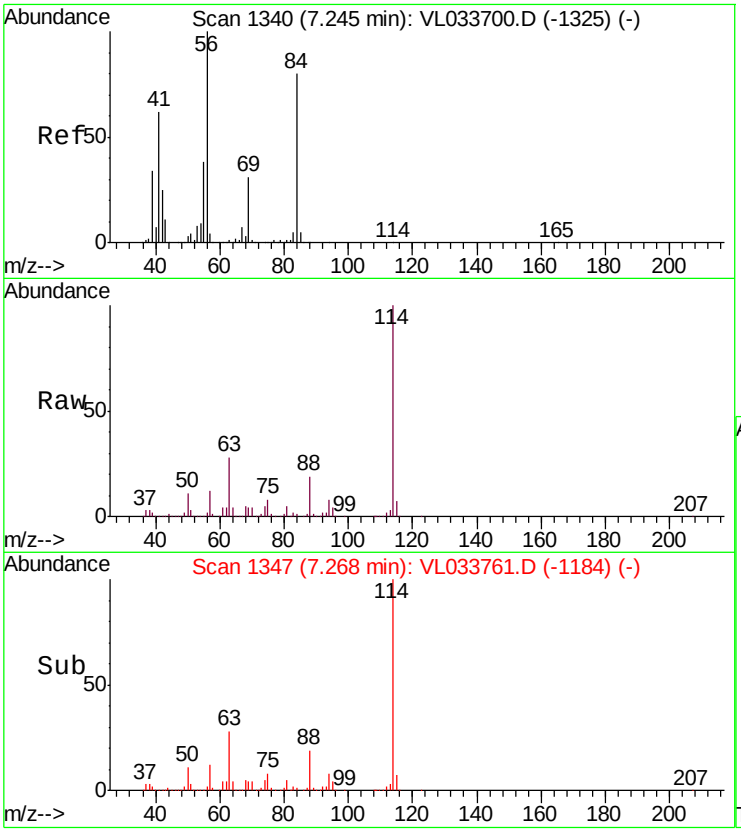




#20
Methylene Chloride
Concen: 0.011 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

Tgt Ion: 84 Resp: 507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 0.0 | 112.8 | 169.2# |
| 51 | 198.0 | 33.4 | 50.0# |
| 86 | 13.7 | 51.7 | 77.5# |



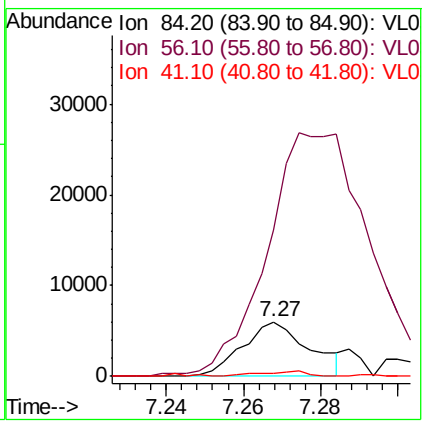


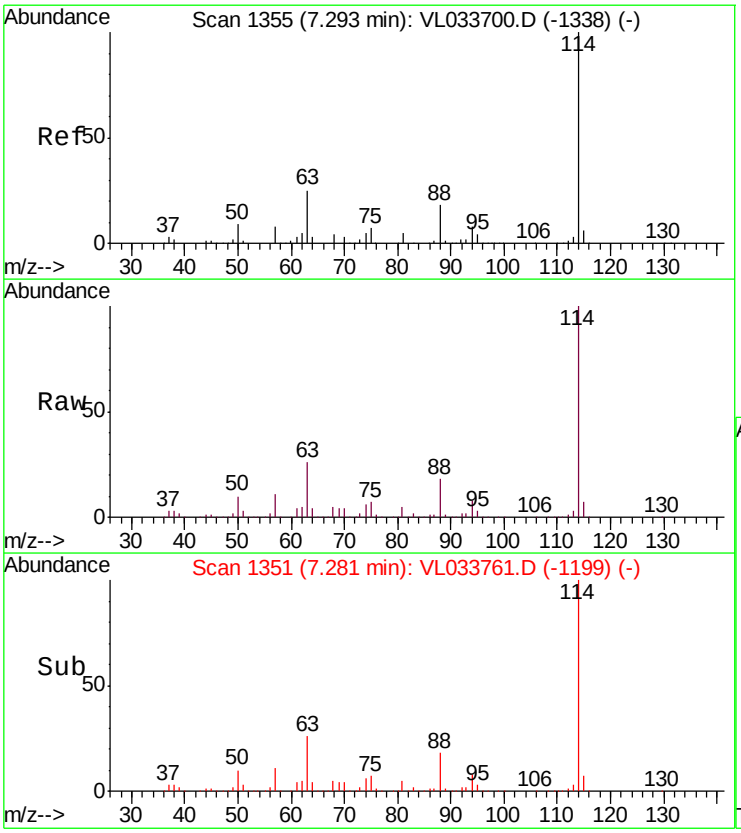

#30
Cyclohexane
Concen: 0.095 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.02 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

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

Tgt Ion: 84 Resp: 7178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 691.7 | 107.7 | 161.5# |
| 41 | 9.2 | 66.0 | 99.0# |

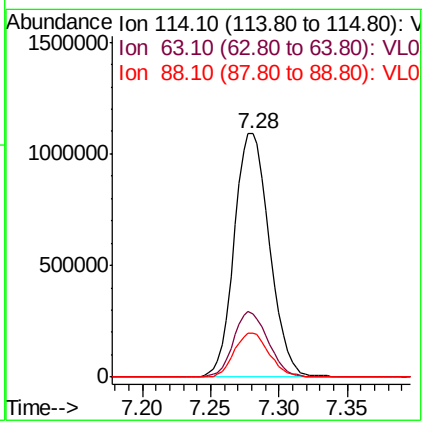


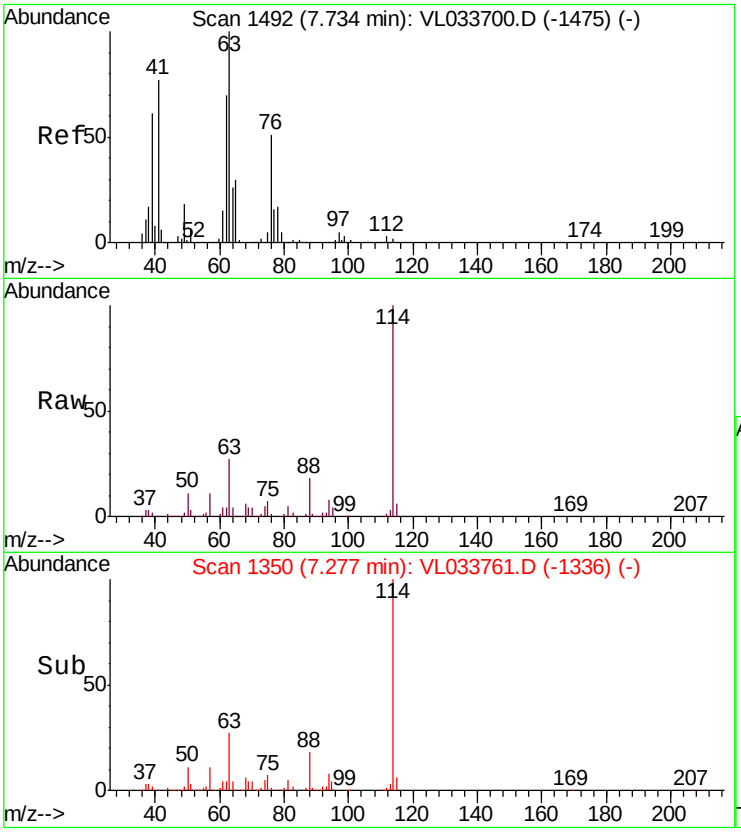




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

Tgt Ion:114 Resp: 1962312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.5 | 20.9 | 31.3 |
| 88 | 17.9 | 14.3 | 21.5 |



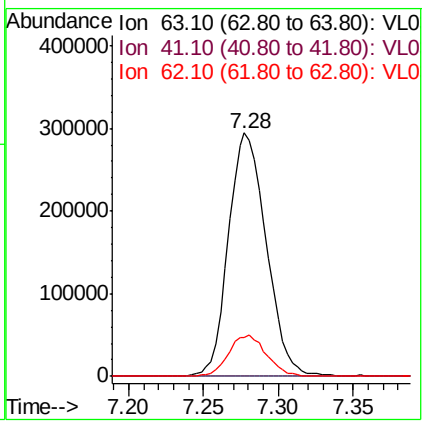


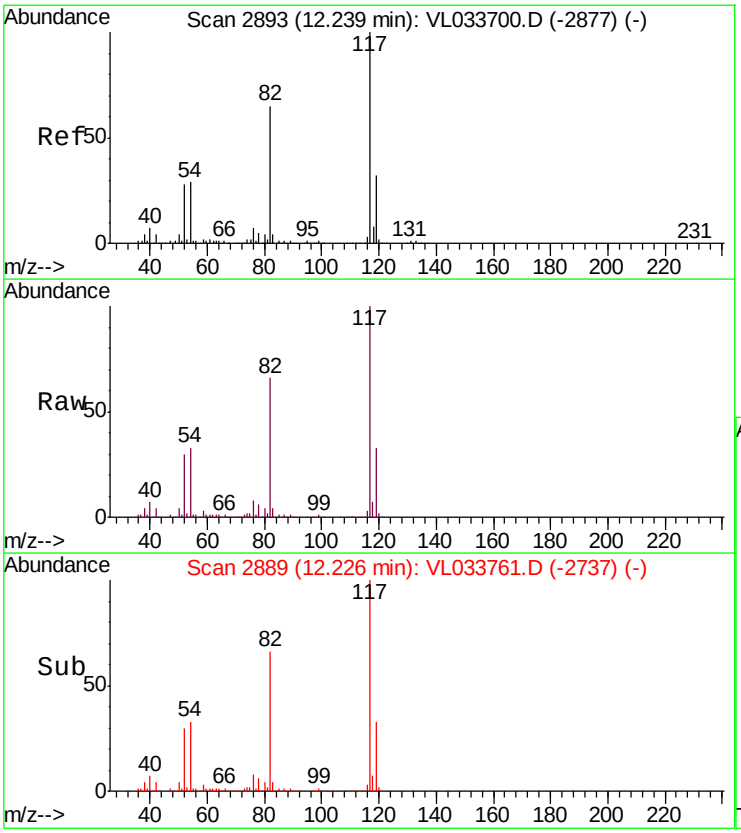

#39
1,2-Dichloropropane
Concen: 7.785 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.46 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

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

Tgt Ion: 63 Resp: 518109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.1 | 61.5 | 92.3# |
| 62 | 15.9 | 56.2 | 84.4# |

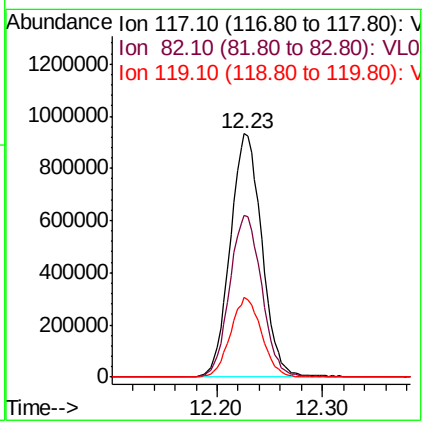


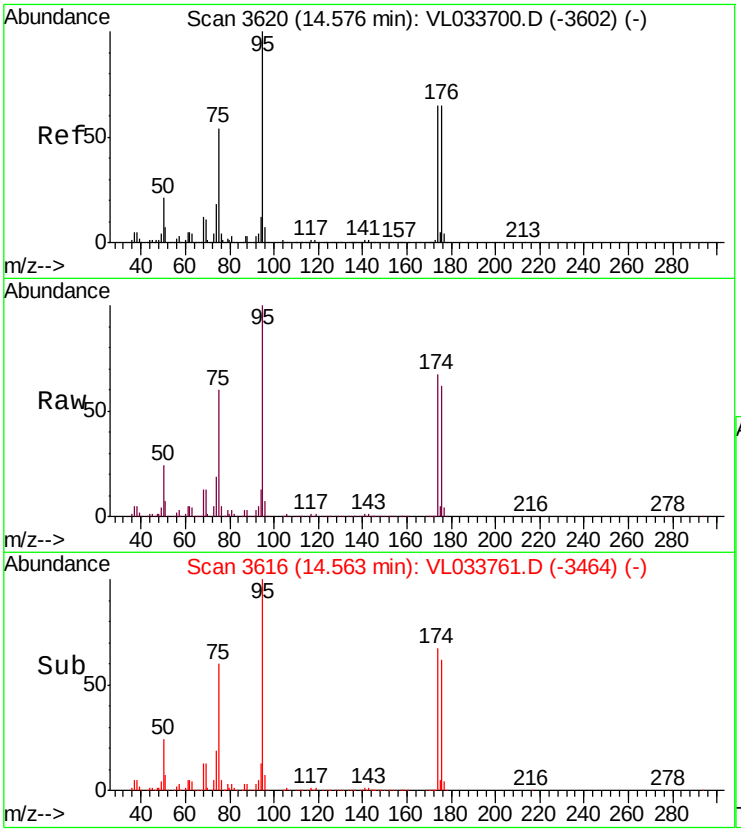




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

Tgt Ion:117 Resp: 1938883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 67.9 | 49.4 | 74.0 |
| 119 | 32.4 | 24.9 | 37.3 |






#68
1-Bromo-4-Fluorobenzene
Concen: 9.985 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

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

Tgt Ion: 95 Resp: 1569521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.5 | 53.9 | 80.9 |
| 175 | 4.7 | 3.8 | 5.8 |