Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\

Quantitation Report (Not Reviewed)

Data File : VU030082.D
Acq On : 14 Mar 2019 18:30
Operator : JC/SP
Sample : K1859-01DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0BQ5DL

Quant Time: Mar 15 02:48:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 02:44:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 463504 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 452901 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 220550 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 147244 | 48.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 96.06% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 119926 | 48.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 96.92% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 197396 | 35.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 71.34% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 208454 | 90.75 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 90.75% | | | |
| 24) Chloroform-d | 4.65 | 84 | 253271 | 46.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.10% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 149022 | 46.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.80% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 549515 | 47.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.26% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 170563 | 47.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 95.60% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 504741 | 46.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 92.48% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 75975 | 43.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 87.92% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 172369 | 86.34 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 86.34% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 244871 | 44.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 89.32% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 204402 | 47.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 95.68% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 2323 | 0.763 | ug/L # | 20 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 1735 | 0.597 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 8246 | 3.070 | ug/L | 92 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 2857 | 0.590 | ug/L | 88 |
| 51) Chlorobenzene | 9.12 | 112 | 38476 | 4.050 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.42 | 146 | 7072 | 0.993 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.50 | 146 | 49315 | 6.809 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.87 | 146 | 259272 | 36.164 | ug/L | 99 |
| 67) 1,3,5-Trichlorobenzene | 13.50 | 180 | 47986 | 8.680 | ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.50 | 180 | 47986 | 9.489 | ug/L | 98 |
| 70) 1,2,3-Trichlorobenzene | 13.99 | 180 | 33041 | 6.290 | ug/L | 98 |

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

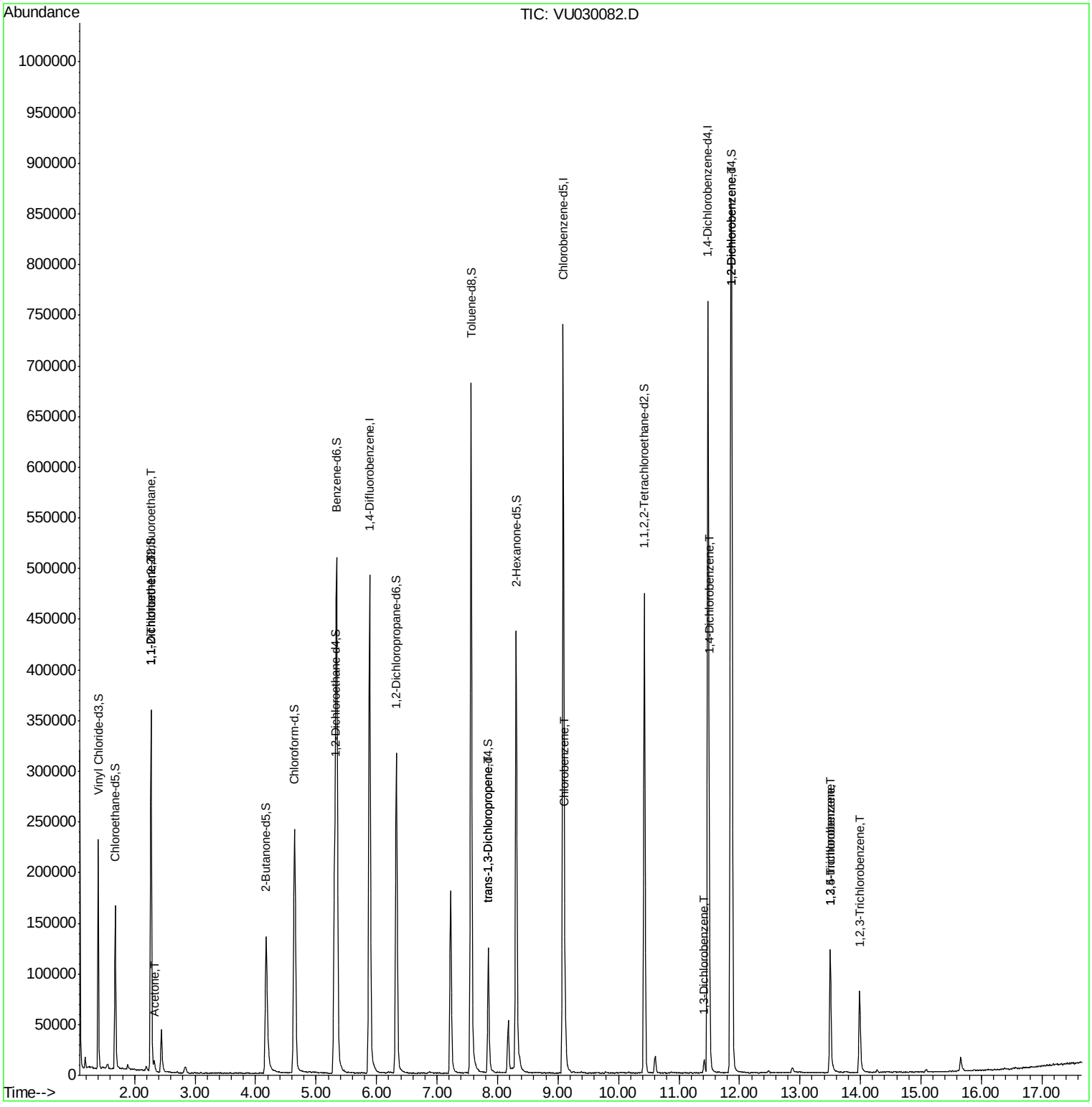
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\

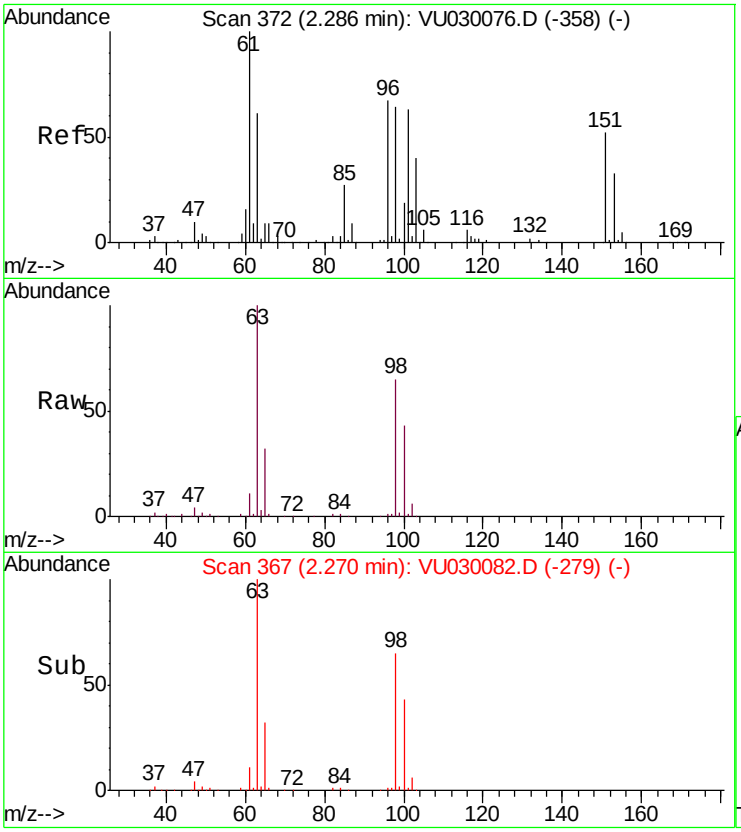
Quantitation Report (Not Reviewed)

Data File : VU030082.D
Acq On : 14 Mar 2019 18:30
Operator : JC/SP
Sample : K1859-01DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0BQ5DL

Quant Time: Mar 15 02:48:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 02:44:49 2019
Response via : Initial Calibration



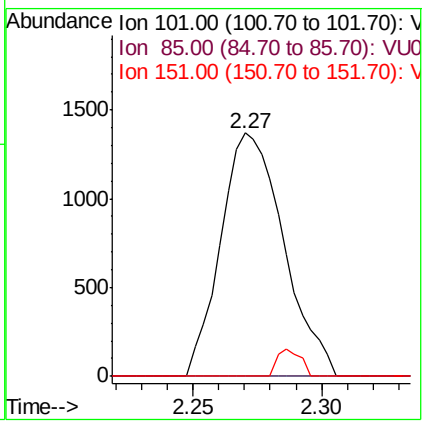


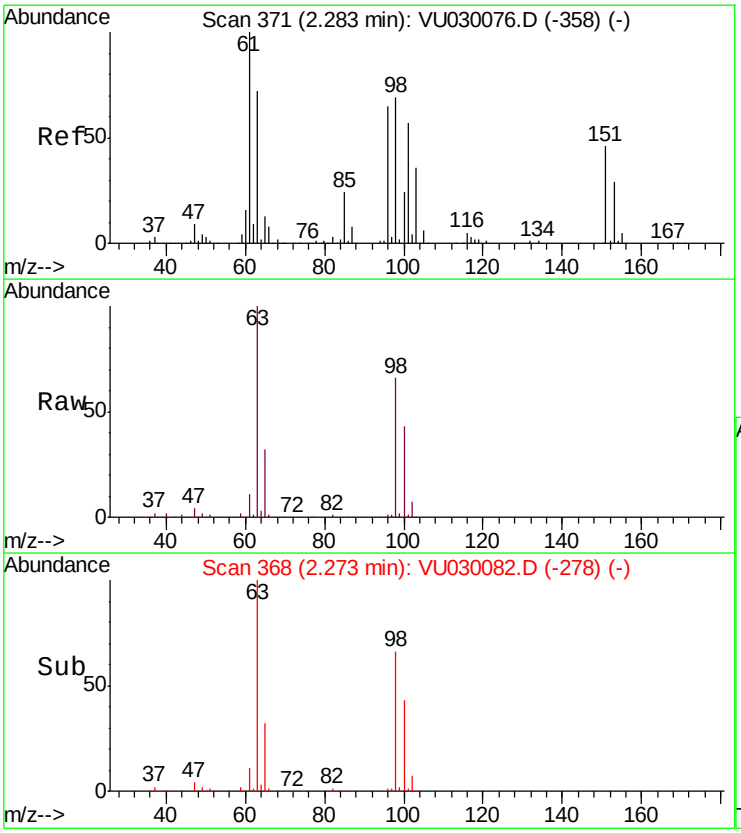

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.763 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.02 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0BQ5DL

Tgt Ion:101 Resp: 2323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 33.0 | 49.4# |
| 151 | 4.2 | 66.1 | 99.1# |

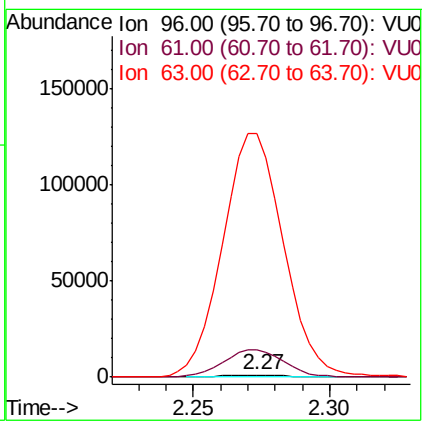


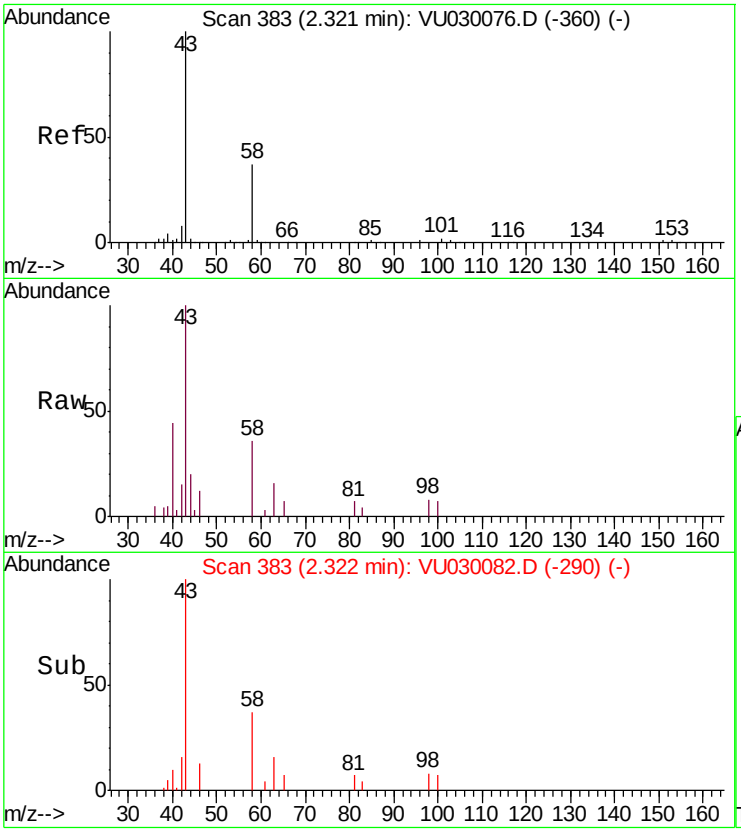




#12
1,1-Dichloroethene
Concen: 0.597 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

Tgt Ion: 96 Resp: 1735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1330.0 | 110.4 | 205.0# |
| 63 | 11987.9 | 86.5 | 160.7# |



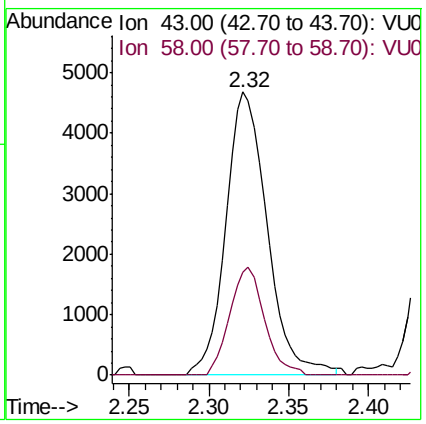


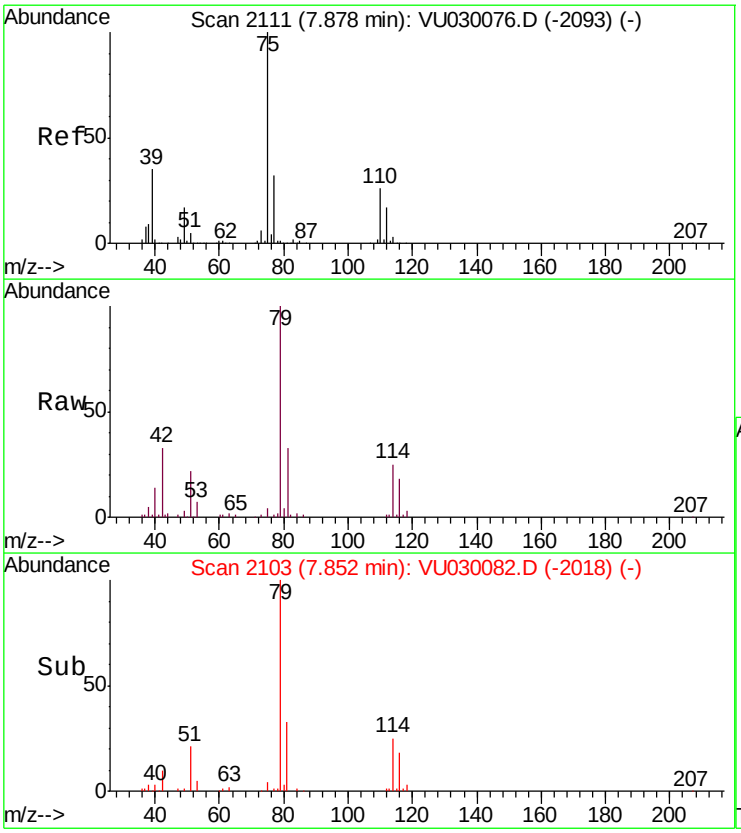

#13
Acetone
Concen: 3.070 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

**Instrument :** MSVOA_U
**ClientSampleId :** C0BQ5DL

Tgt Ion: 43 Resp: 8246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.9 | 0.0 | 73.0 |

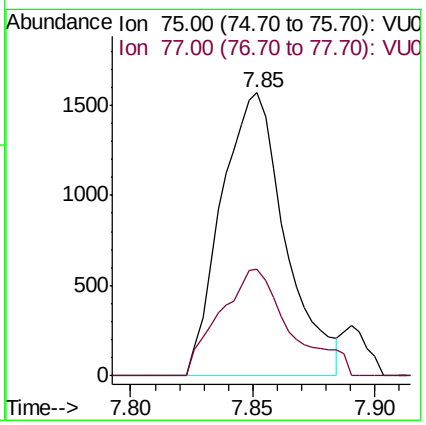


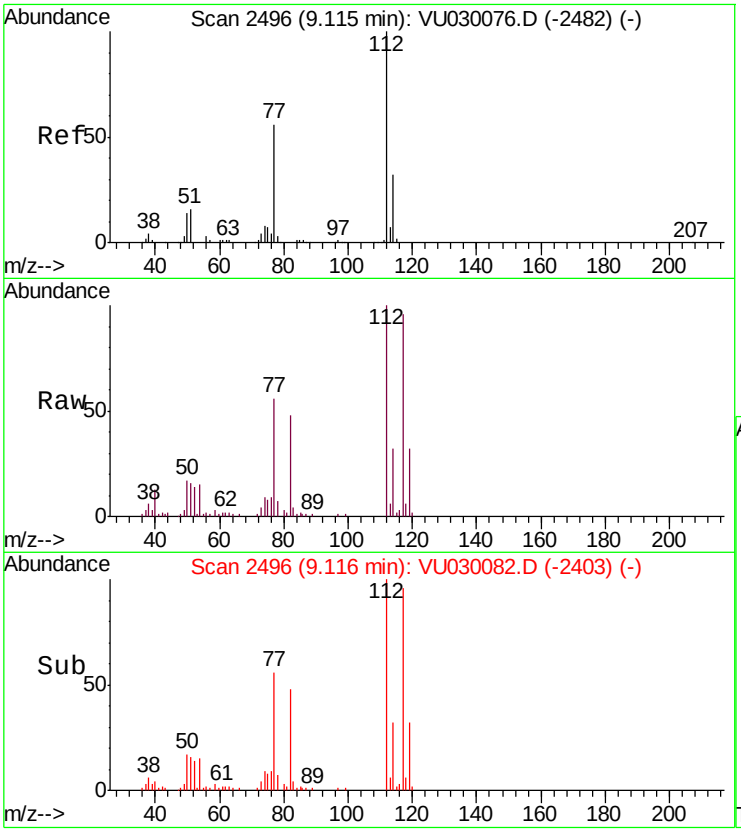




#44
trans-1,3-Dichloropropene
Concen: 0.590 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.03 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

Tgt Ion: 75 Resp: 2857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.9 | 21.9 | 40.7 |



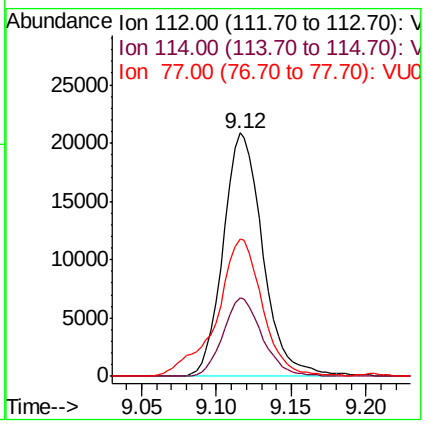


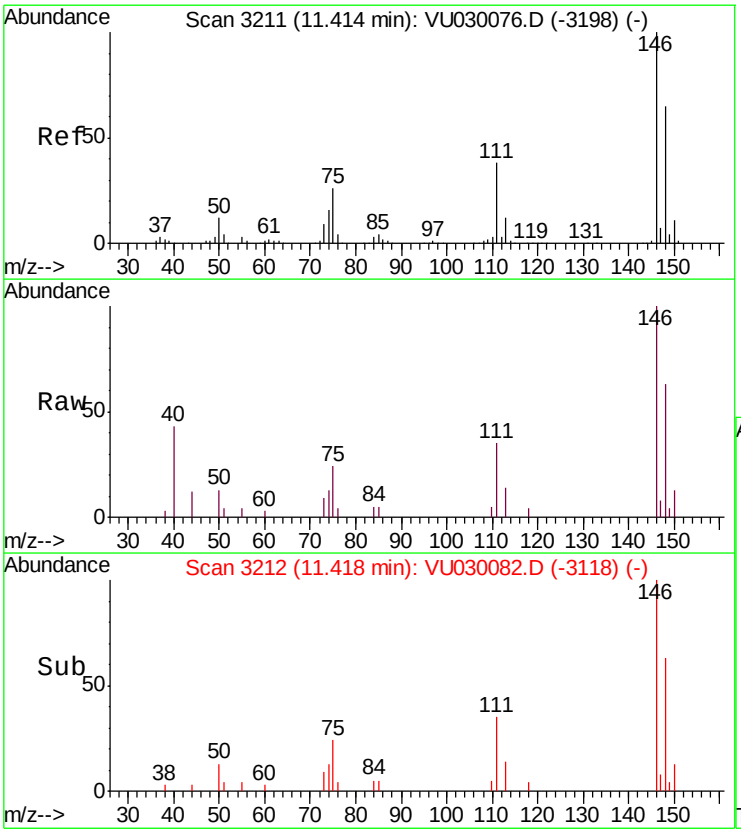

#51
Chlorobenzene
Concen: 4.050 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

**Instrument :** MSVOA_U
**ClientSampleId :** C0BQ5DL

Tgt Ion:112 Resp: 38476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 22.5 | 41.9 |
| 77 | 56.3 | 44.6 | 66.8 |

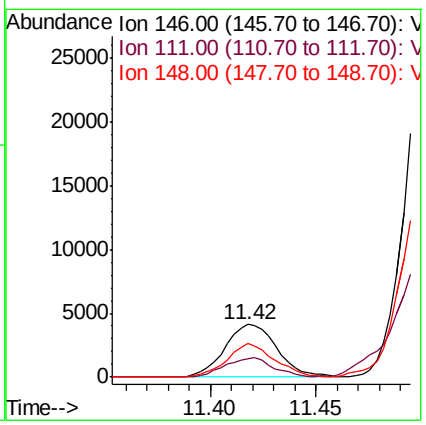


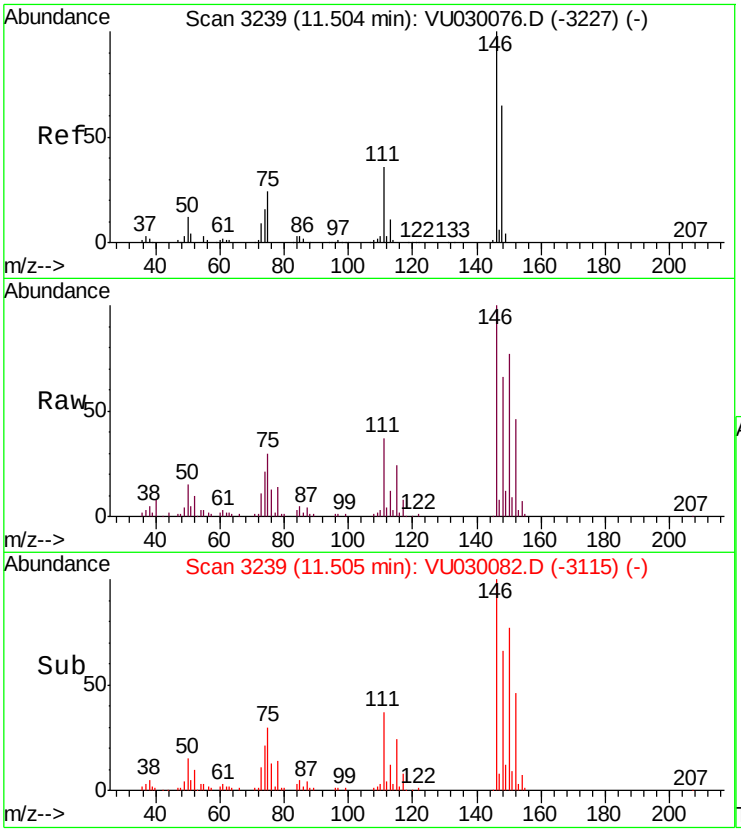




#62
1,3-Dichlorobenzene
Concen: 0.993 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

Tgt Ion:146 Resp: 7072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.1 | 26.7 | 49.5 |
| 148 | 63.4 | 44.9 | 83.5 |



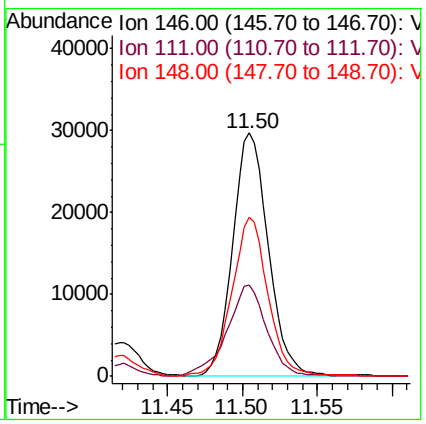


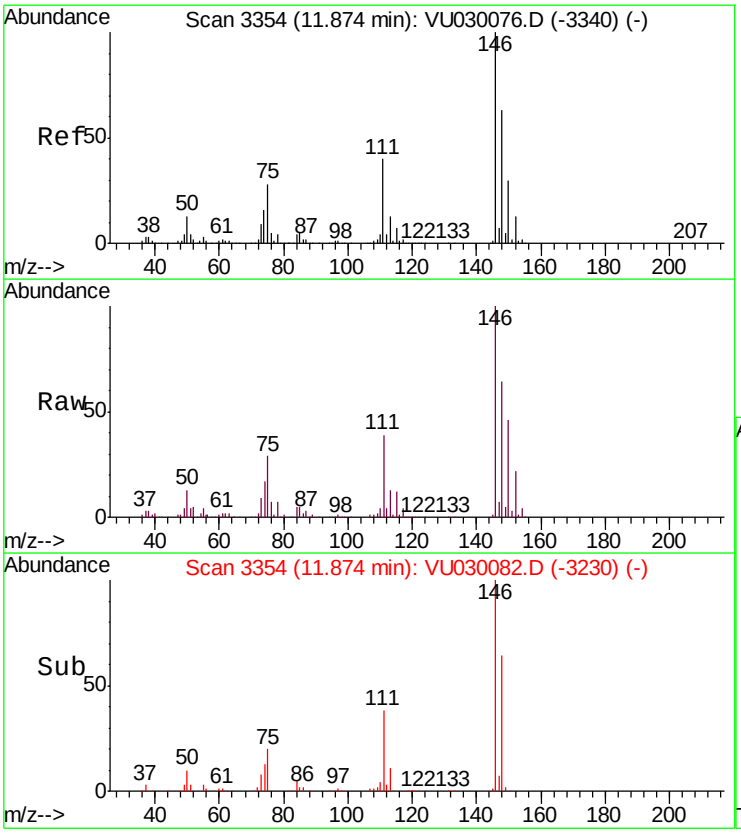

#63
1,4-Dichlorobenzene
Concen: 6.809 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

**Instrument :** MSVOA_U
**ClientSampleId :** C0BQ5DL

Tgt Ion:146 Resp: 49315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.3 | 25.5 | 47.3 |
| 148 | 65.5 | 45.0 | 83.6 |

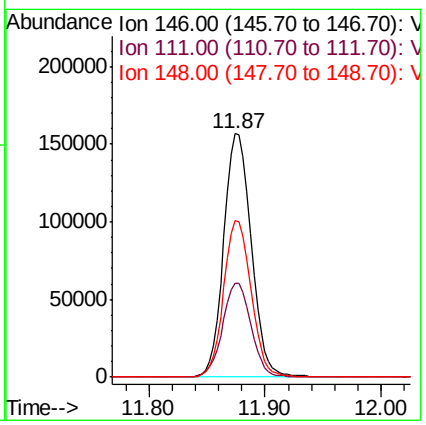


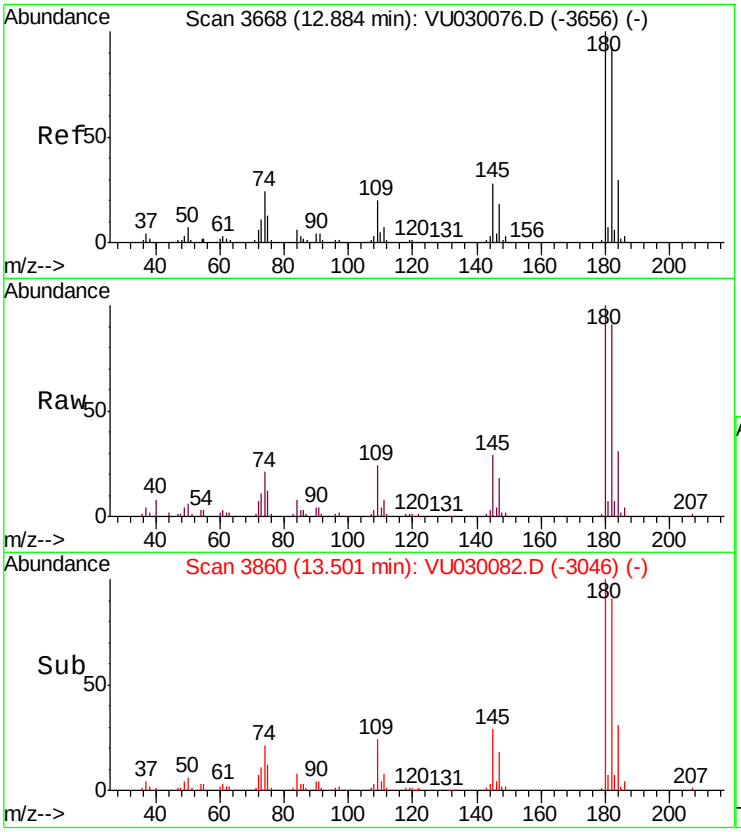




#65
1,2-Dichlorobenzene
Concen: 36.164 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

Tgt Ion:146 Resp: 259272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.8 | 30.9 | 46.3 |
| 148 | 64.5 | 51.2 | 76.8 |



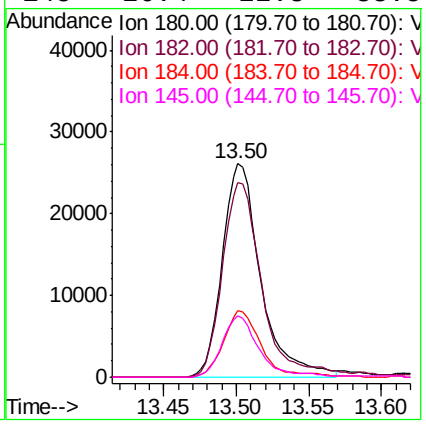


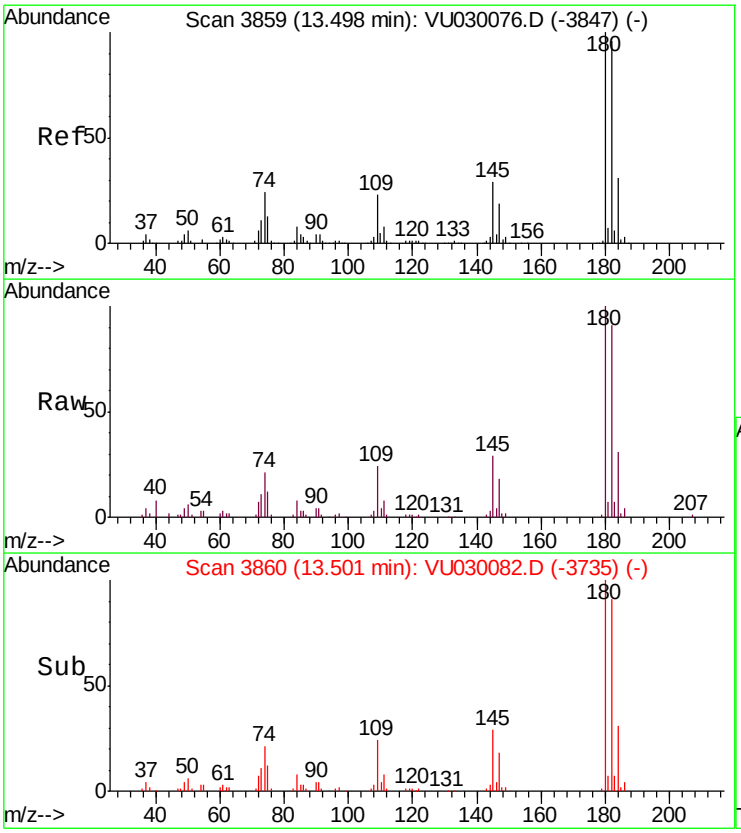

#67
1,3,5-Trichlorobenzene
Concen: 8.680 ug/L
RT: 13.50 min Scan# 3860
Delta R.T. 0.62 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0BQ5DL

Tgt Ion:180 Resp: 47986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 76.3 | 114.5 |
| 184 | 29.3 | 24.7 | 37.1 |
| 145 | 26.4 | 22.3 | 33.5 |

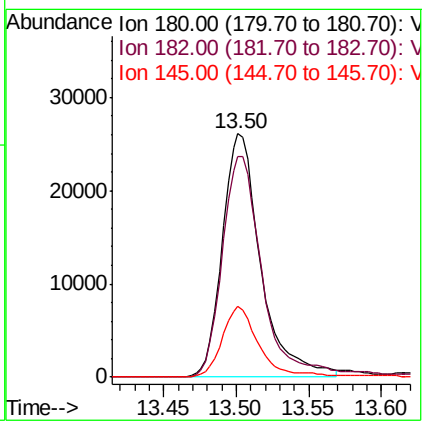


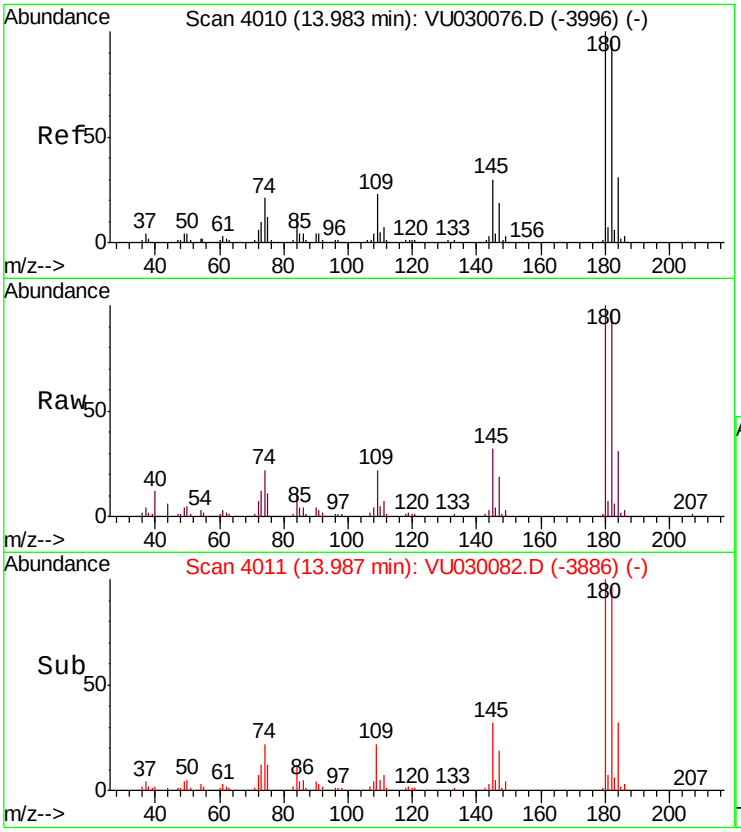




#68
1,2,4-trichlorobenzene
Concen: 9.489 ug/L
RT: 13.50 min Scan# 3860
Delta R.T. 0.00 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

Tgt Ion:180 Resp: 47986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 76.1 | 114.1 |
| 145 | 26.4 | 23.0 | 34.4 |






#70
1,2,3-Trichlorobenzene
Concen: 6.290 ug/L
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU030082.D
Acq: 14 Mar 2019 18:30

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0BQ5DL

Tgt Ion:180 Resp: 33041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 75.9 | 113.9 |
| 145 | 31.6 | 24.0 | 36.0 |