Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\

Quantitation Report (Not Reviewed)

Data File : VU030636.D
Acq On : 03 Apr 2019 18:42
Operator : JC/SP
Sample : K2101-12ME
Misc : 4.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF0B7ME

Quant Time: Apr 04 06:57:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 549866 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 530807 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 271885 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 170474 | 38.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 77.04% | | | |
| 7) Chloroethane-d5 | 1.64 | 69 | 115833 | 33.02 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 66.04%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.23 | 63 | 266191 | 31.71 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 63.42% | | | |
| 21) 2-Butanone-d5 | 4.19 | 46 | 324914 | 78.11 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 78.11% | | | |
| 24) Chloroform-d | 4.64 | 84 | 296884 | 38.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 77.88% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 204324 | 40.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 81.90% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 667209 | 43.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 87.66% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 226749 | 43.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 87.08% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 597971 | 43.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 87.48% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 99466 | 40.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 81.24% | | | |
| 47) 2-Hexanone-d5 | 8.32 | 63 | 250065 | 88.60 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 88.60% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 327705 | 43.97 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 87.94% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 234409 | 43.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 86.06% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) Bromomethane | 1.59 | 94 | 1705 | 0.578 | ug/L | 79 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.23 | 101 | 2412 | 0.601 | ug/L # | 25 |
| 12) 1,1-Dichloroethene | 2.24 | 96 | 2258 | 0.574 | ug/L # | 1 |
| 25) Chloroform | 4.67 | 83 | 11057 | 1.373 | ug/L | 82 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 5283 | 0.717 | ug/L # | 38 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 3695 | 0.570 | ug/L # | 64 |
| 46) Tetrachloroethene | 8.22 | 164 | 18266 | 5.887 | ug/L | 93 |
| 48) 2-Hexanone | 8.32 | 43 | 35932 | 5.090 | ug/L # | 61 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 34471 | 5.523 | ug/L | 94 |
| 69) Naphthalene | 13.75 | 128 | 19869 | 0.966 | ug/L # | 84 |

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

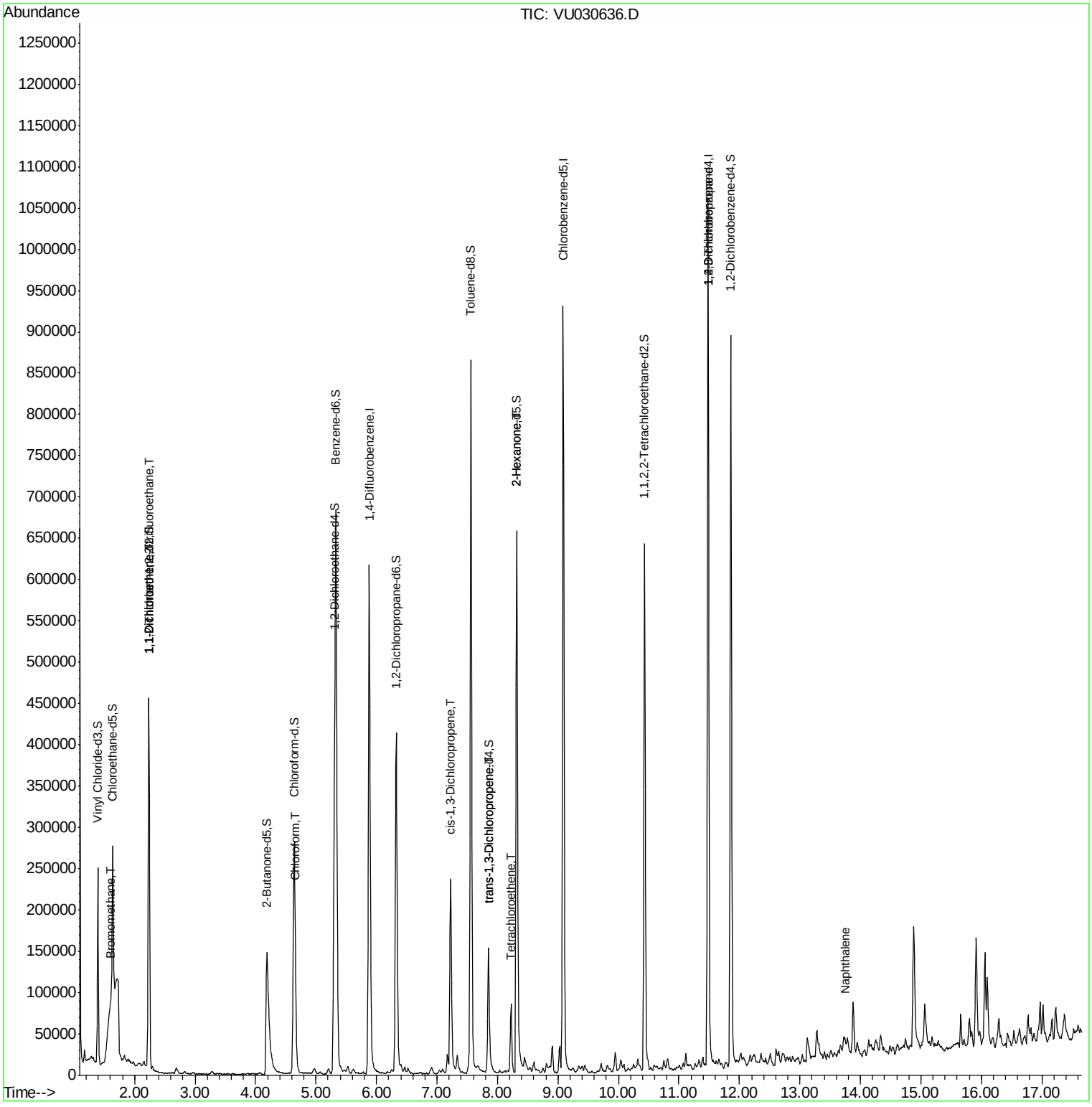
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\

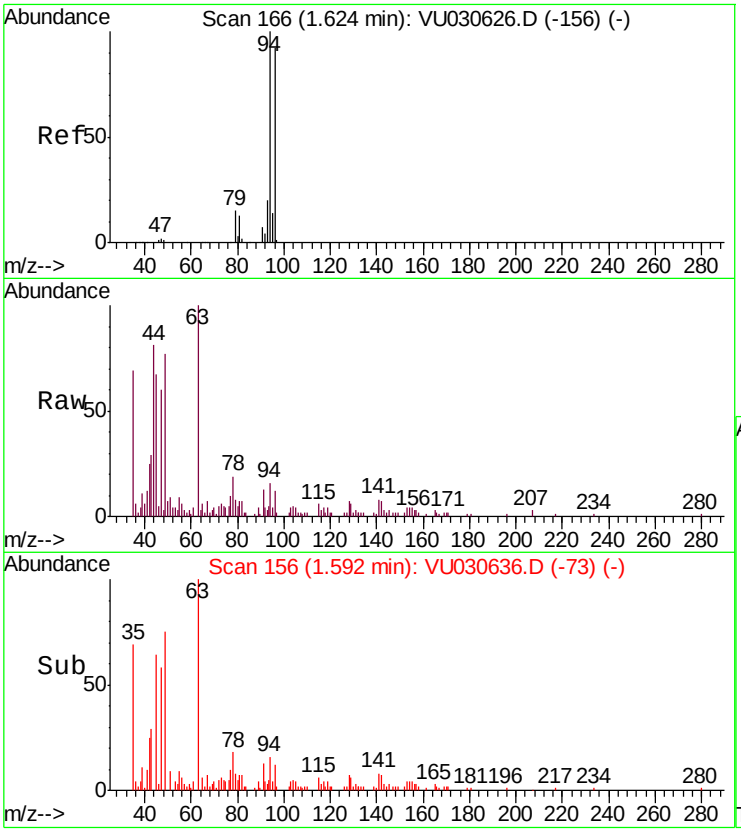
Quantitation Report (Not Reviewed)

Data File : VU030636.D
Acq On : 03 Apr 2019 18:42
Operator : JC/SP
Sample : K2101-12ME
Misc : 4.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF0B7ME

Quant Time: Apr 04 06:57:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration



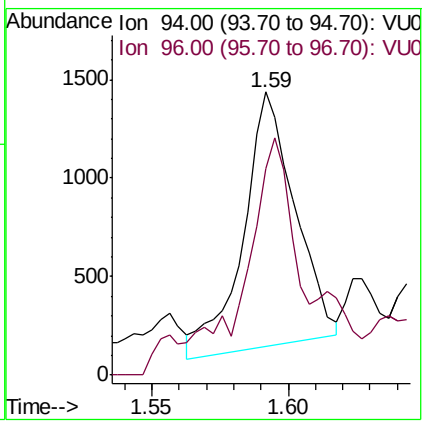


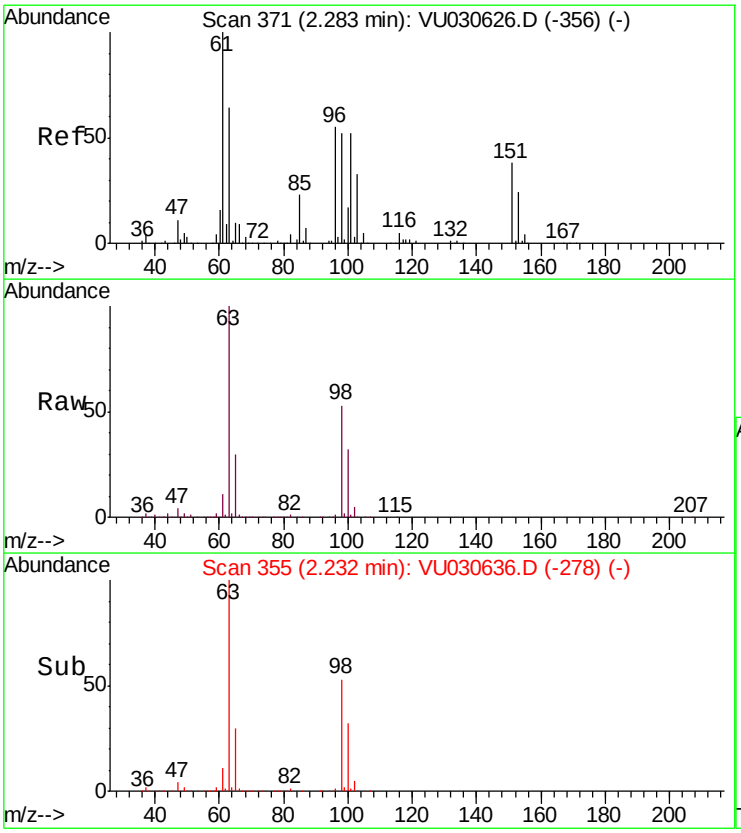

#6
Bromomethane
Concen: 0.578 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.03 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0B7ME

Tgt Ion: 94 Resp: 1705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 72.8 | 64.8 | 120.3 |

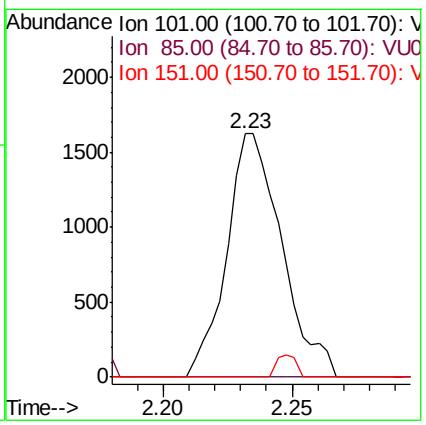


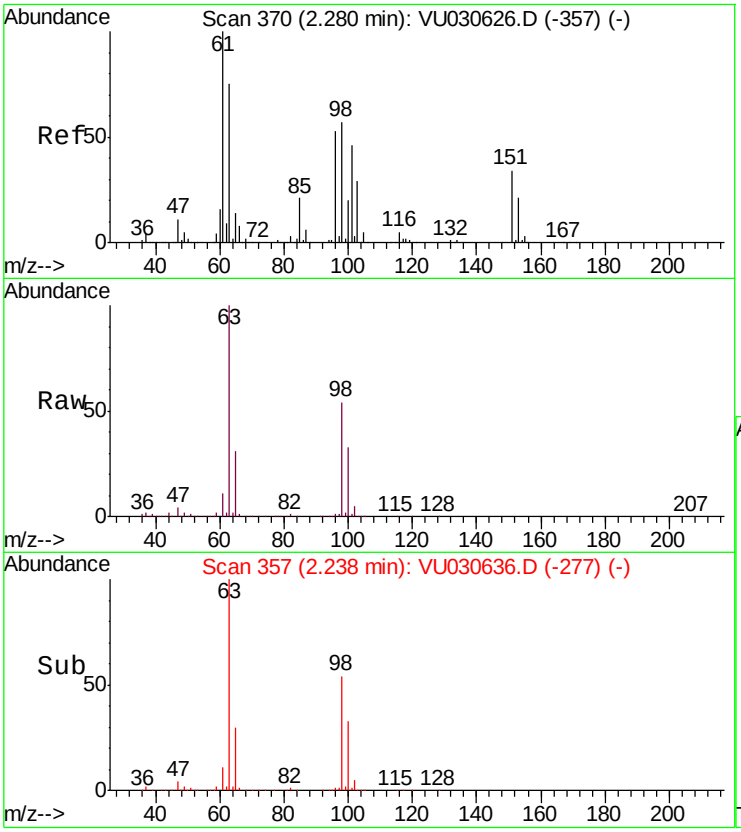




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.601 ug/L
RT: 2.23 min Scan# 355
Delta R.T. -0.05 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

Tgt Ion:101 Resp: 2412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 1.8 | 34.8 | 52.2# |
| 151 | 3.2 | 56.6 | 85.0# |



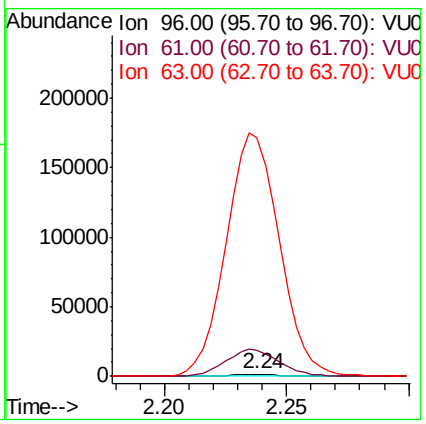


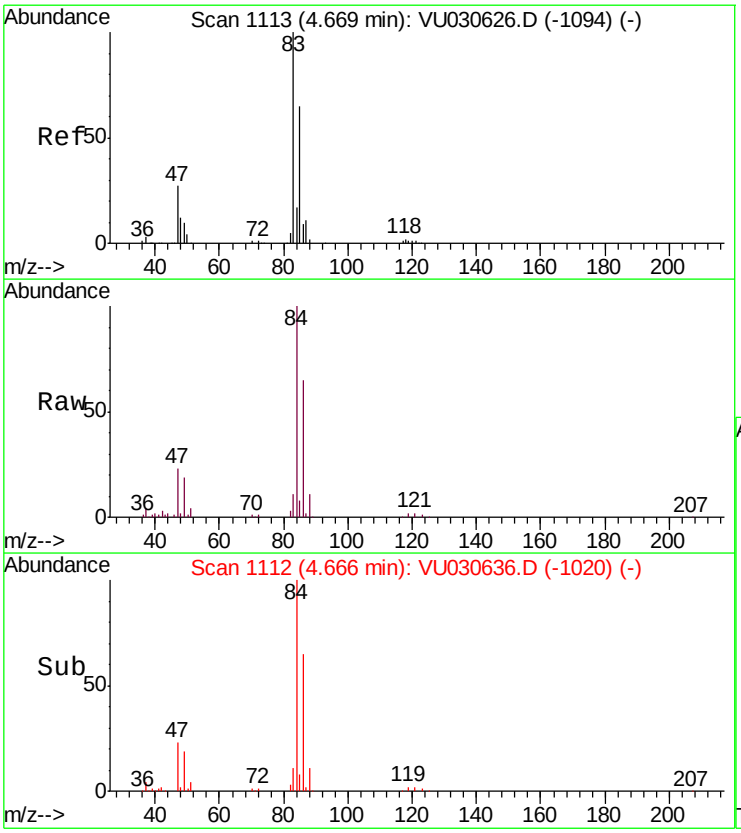

#12
1,1-Dichloroethene
Concen: 0.574 ug/L
RT: 2.24 min Scan# 357
Delta R.T. -0.04 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0B7ME

Tgt Ion: 96 Resp: 2258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1297.5 | 131.0 | 243.4# |
| 63 | 11887.0 | 92.4 | 171.6# |

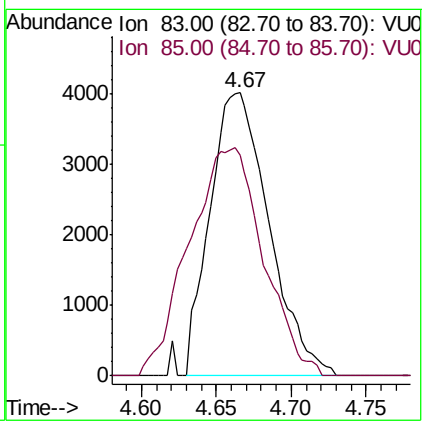


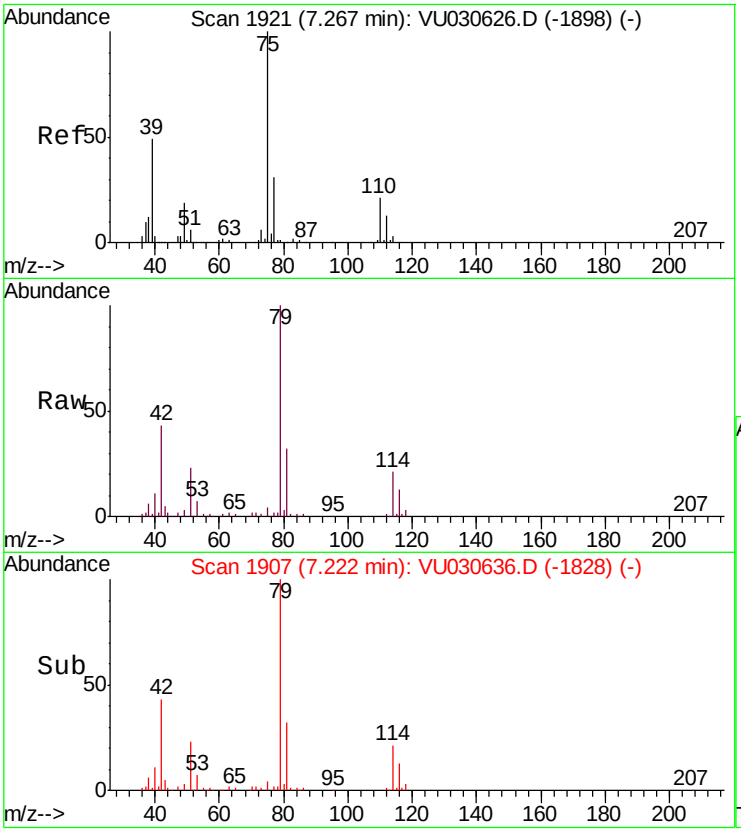




#25
Chloroform
Concen: 1.373 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

Tgt Ion: 83 Resp: 11057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 77.7 | 44.4 | 82.4 |



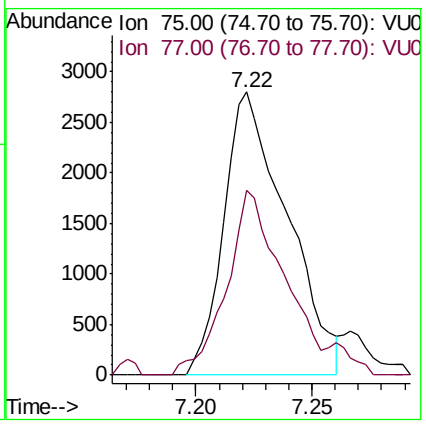


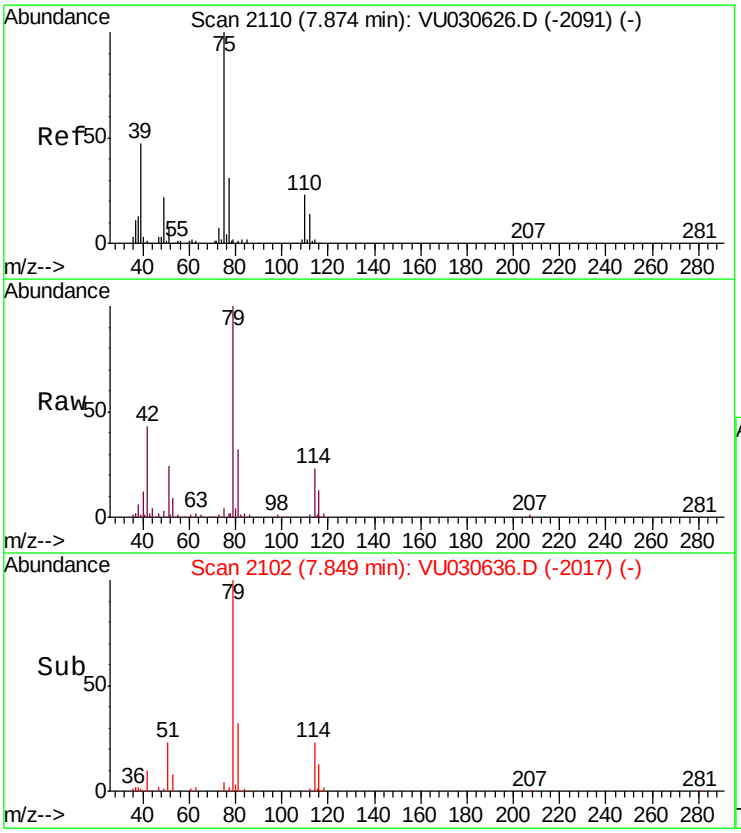

#39
cis-1,3-Dichloropropene
Concen: 0.717 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.05 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0B7ME

Tgt Ion: 75 Resp: 5283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 65.3 | 21.8 | 40.6# |

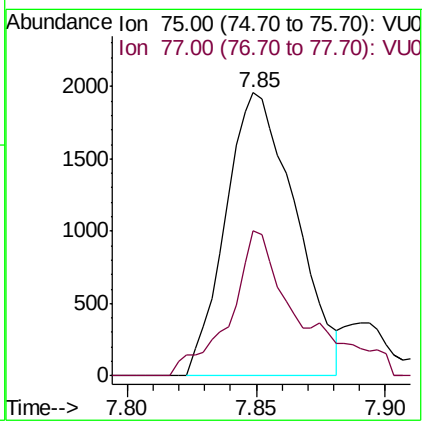


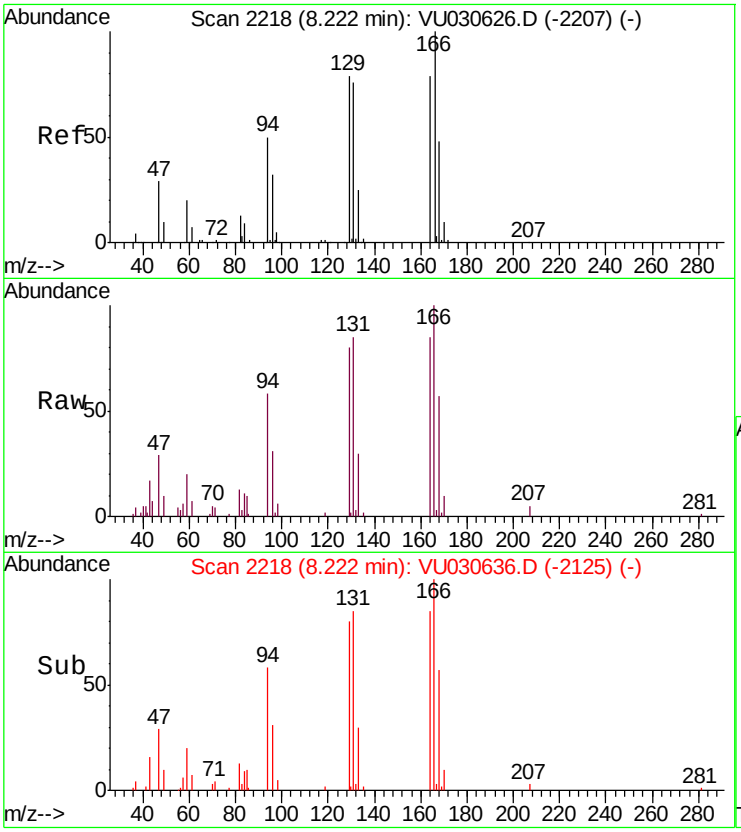




#44
trans-1,3-Dichloropropene
Concen: 0.570 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

Tgt Ion: 75 Resp: 3695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 51.2 | 22.0 | 40.8# |



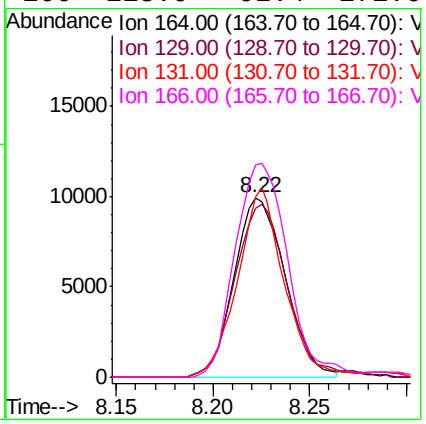


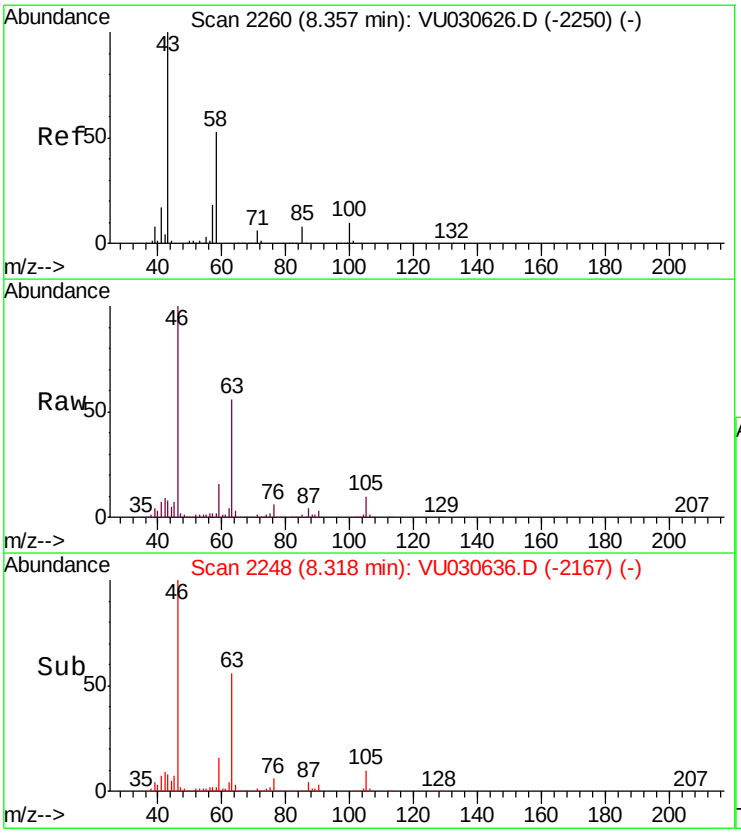

#46
Tetrachloroethene
Concen: 5.887 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0B7ME

Tgt Ion:164 Resp: 18266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 93.9 | 68.1 | 126.5 |
| 131 | 100.3 | 67.7 | 125.7 |
| 166 | 118.0 | 92.4 | 171.6 |

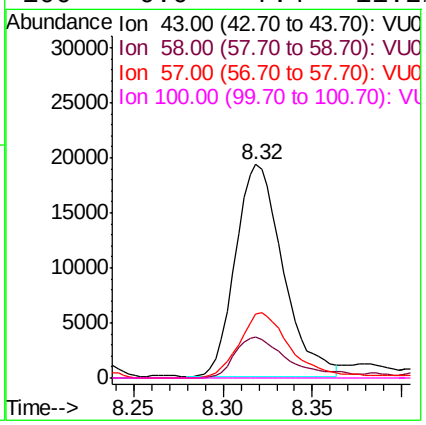


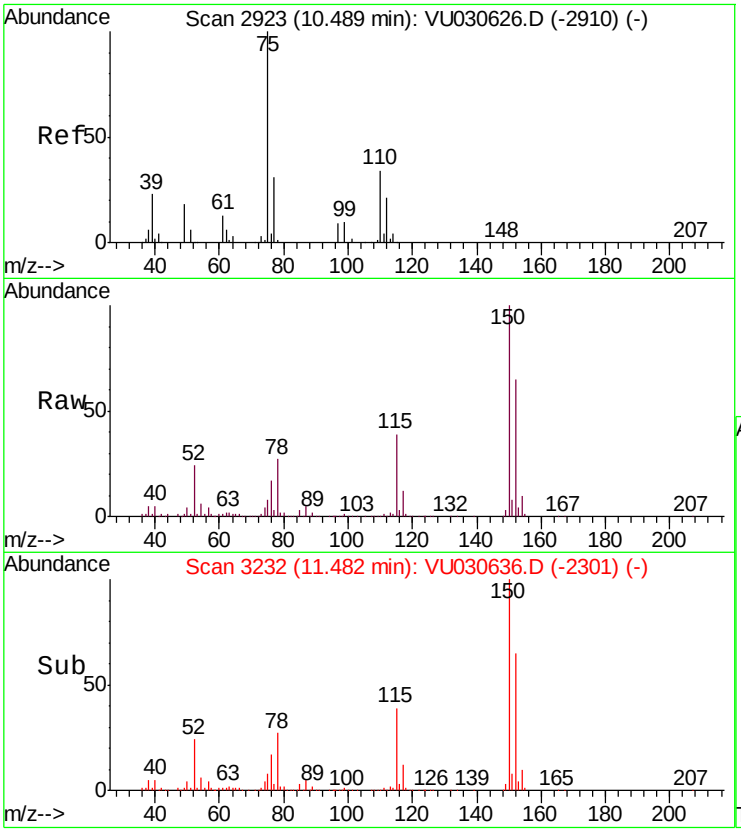




#48
2-Hexanone
Concen: 5.090 ug/L
RT: 8.32 min Scan# 2248
Delta R.T. -0.04 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

Tgt Ion: 43 Resp: 35932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.9 | 42.5 | 63.7# |
| 57 | 32.3 | 15.0 | 22.6# |
| 100 | 0.0 | 7.4 | 11.2# |



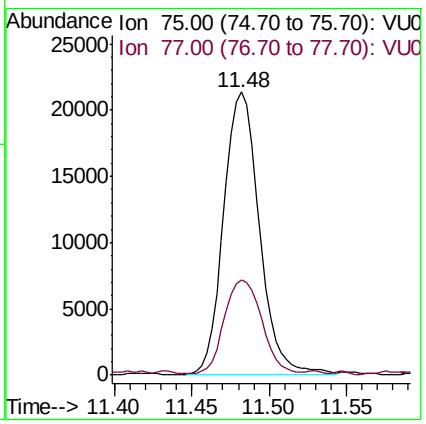


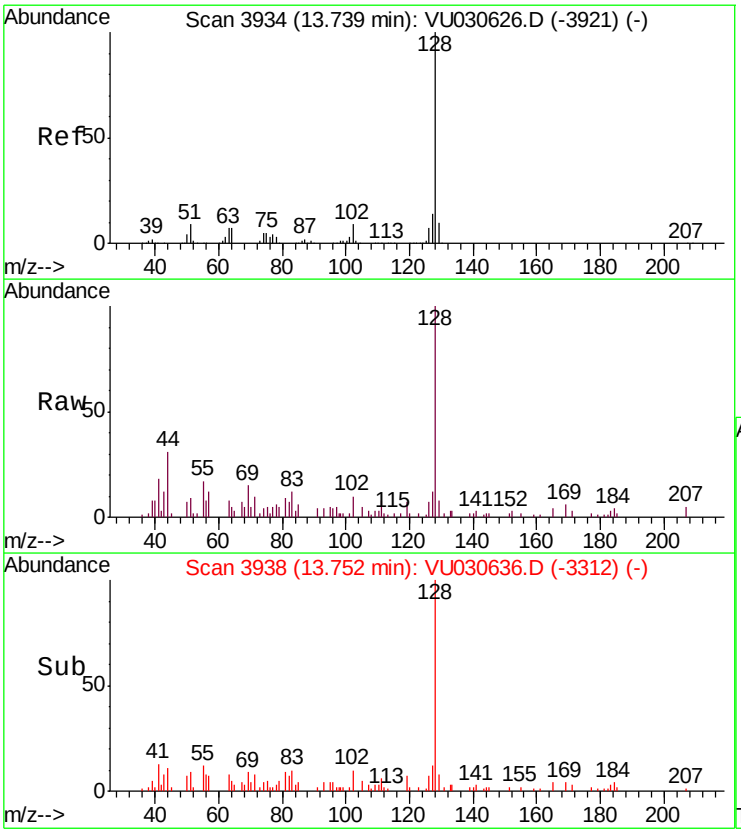

#59
1,2,3-Trichloropropane
Concen: 5.523 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

**Instrument :** MSVOA_U
**ClientSampleId :** BF0B7ME

Tgt Ion: 75 Resp: 34471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.0 | 25.4 | 38.2 |




#69
Naphthalene
Concen: 0.966 ug/L
RT: 13.75 min Scan# 3938
Delta R.T. 0.01 min
Lab File: VU030636.D
Acq: 03 Apr 2019 18:42

Tgt Ion:128 Resp: 19869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 7.4 | 10.4 | 15.6# |
| 129 | 3.3 | 8.4 | 12.6# |