Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\

Quantitation Report (Not Reviewed)

Data File : VU032496.D
Acq On : 06 Jun 2019 14:53
Operator : JC/SP
Sample : K3224-01DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0C57DL

Quant Time: Jun 07 04:11:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 214407 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.08 | 117 | 200789 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 105358 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 43221 | 31.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 62.14% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 40811 | 36.51 | ug/L | 0.02 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 73.02% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 70228 | 25.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 51.56%# | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 106886 | 91.82 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 91.82% | | | |
| 24) Chloroform-d | 4.64 | 84 | 108241 | 41.72 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 83.44% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 74299 | 45.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.92% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 223075 | 42.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 85.58% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 73195 | 44.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 89.56% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 211902 | 42.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 85.74% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 35235 | 45.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 90.10% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 72569 | 91.53 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 91.53% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 110423 | 46.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.24% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 94679 | 46.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 93.84% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.32 | 43 | 1806 | 1.504 | ug/L | 85 |
| 25) Chloroform | 4.66 | 83 | 2452 | 0.945 | ug/L # | 72 |
| 33) Benzene | 5.39 | 78 | 58610 | 10.389 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.32 | 63 | 8279 | 5.536 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 2356 | 0.998 | ug/L | 84 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1571 | 0.750 | ug/L # | 82 |
| 48) 2-Hexanone | 8.36 | 43 | 3071 | 1.554 | ug/L # | 57 |
| 51) Chlorobenzene | 9.11 | 112 | 167272 | 42.022 | ug/L | 100 |
| 59) 1,2,3-Trichloropropane | 11.42 | 75 | 2379 | 1.224 | ug/L # | 43 |
| 62) 1,3-Dichlorobenzene | 11.42 | 146 | 8212 | 2.576 | ug/L | 95 |
| 63) 1,4-Dichlorobenzene | 11.50 | 146 | 73594 | 22.583 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.87 | 146 | 91928 | 28.526 | ug/L | 99 |
| 67) 1,3,5-Trichlorobenzene | 13.51 | 180 | 11467 | 4.624 | ug/L | 95 |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 11467 | 5.458 | ug/L | 96 |

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

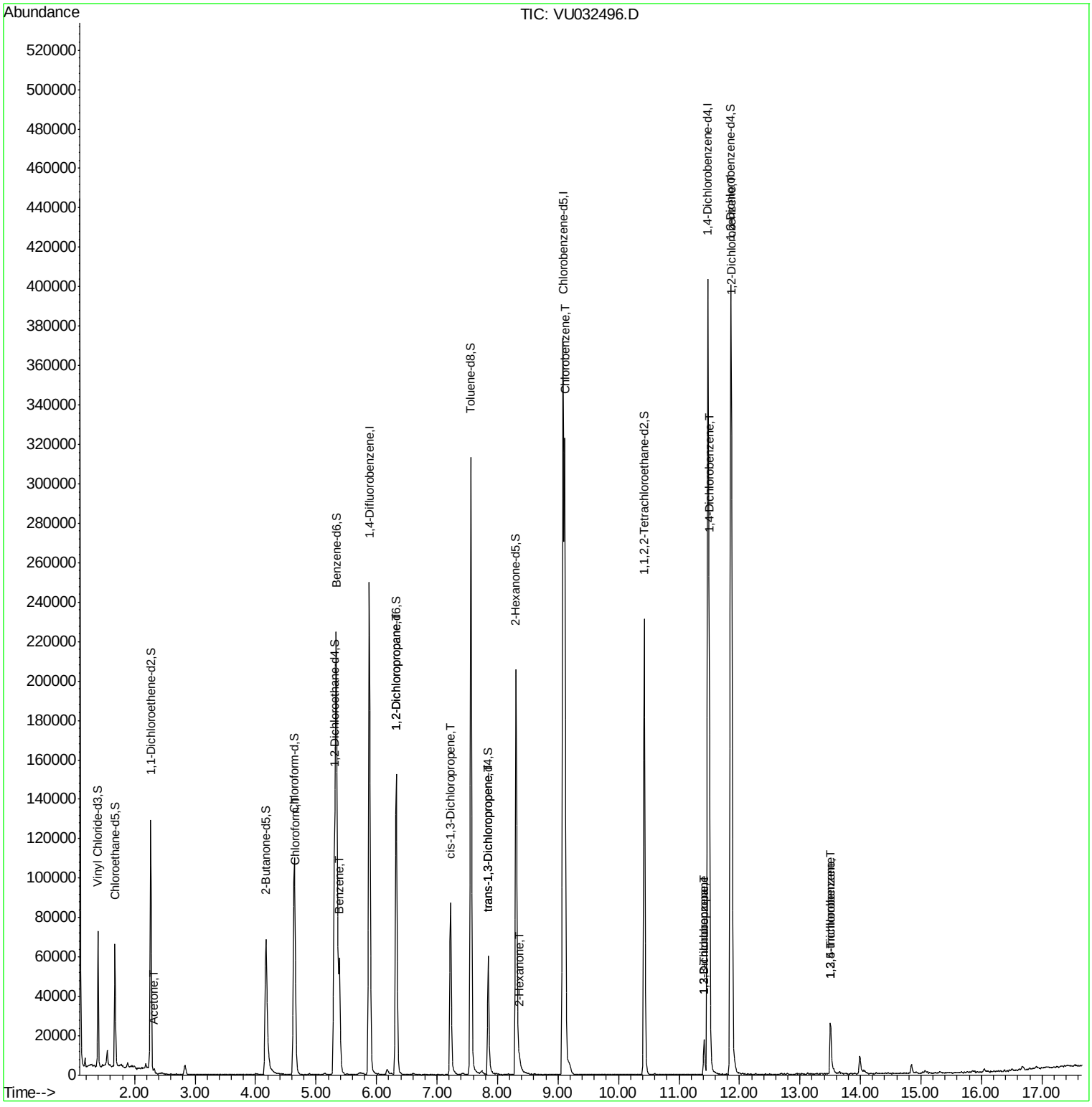
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\

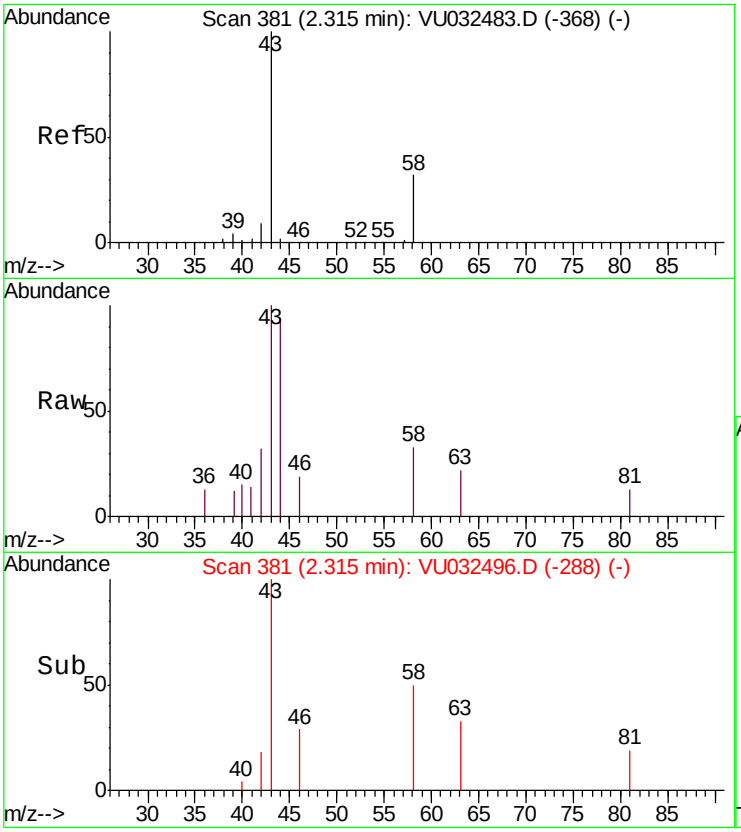
Quantitation Report (Not Reviewed)

Data File : VU032496.D
Acq On : 06 Jun 2019 14:53
Operator : JC/SP
Sample : K3224-01DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0C57DL

Quant Time: Jun 07 04:11:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration



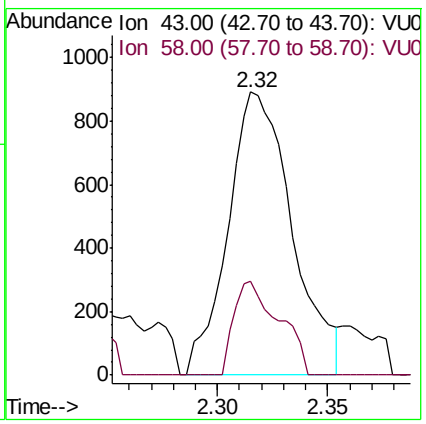


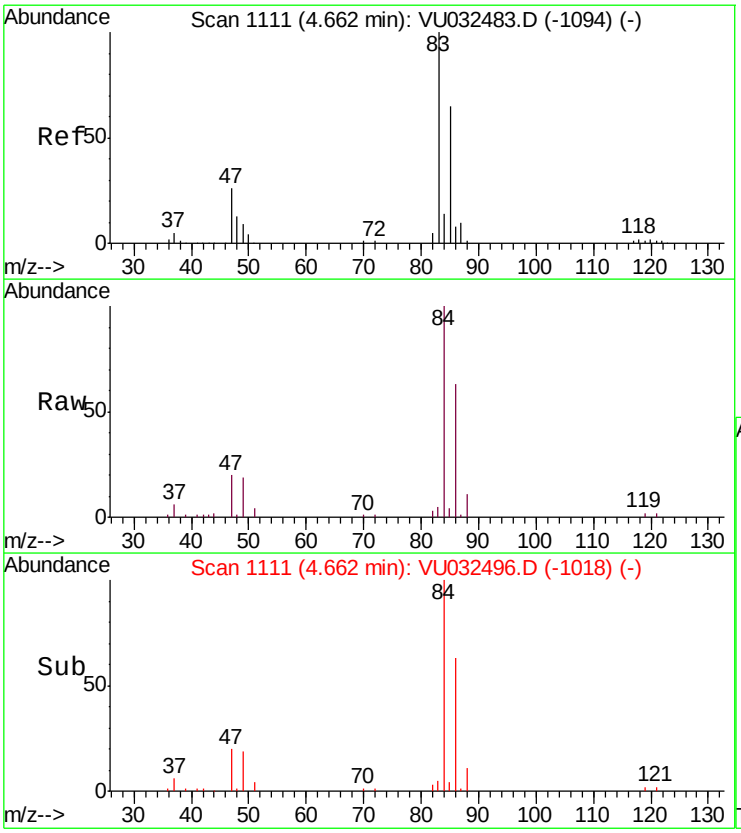

#13
Acetone
Concen: 1.504 ug/L
RT: 2.32 min Scan# 381
Delta R.T. -0.00 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0C57DL

Tgt Ion: 43 Resp: 1806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.4 | 0.0 | 64.0 |

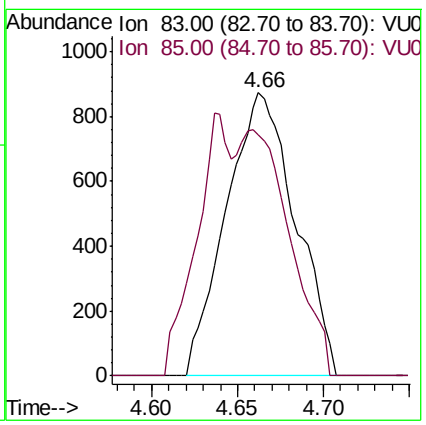


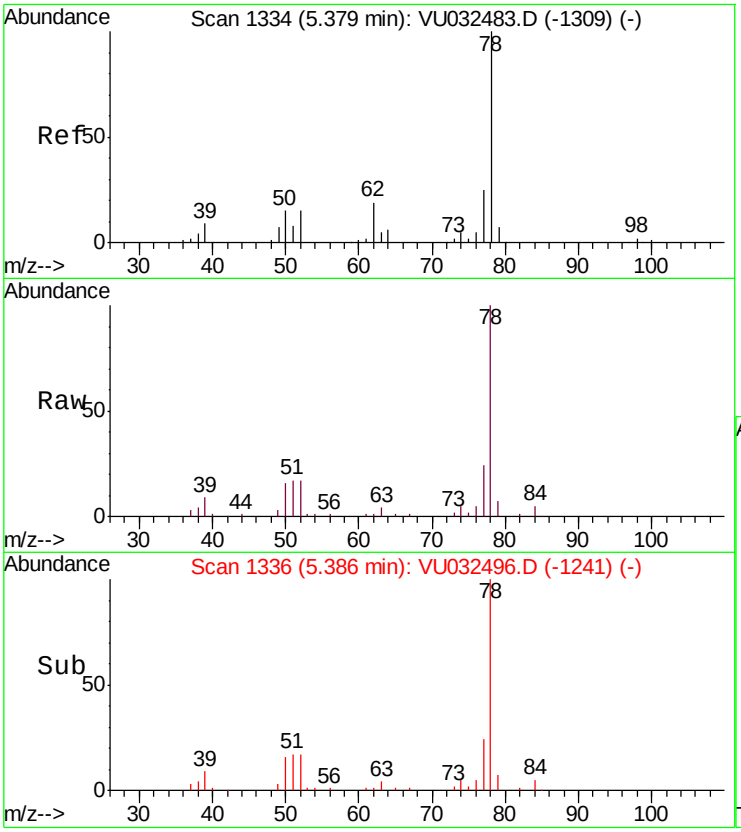




#25
Chloroform
Concen: 0.945 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

Tgt Ion: 83 Resp: 2452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 85.3 | 44.7 | 82.9# |

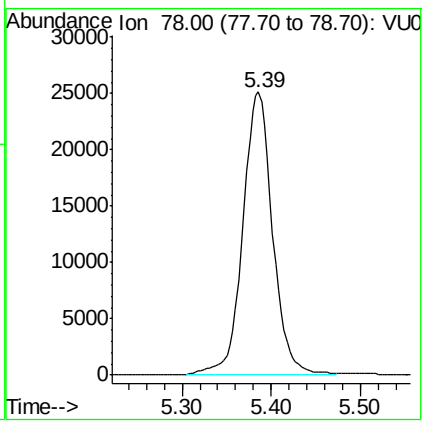


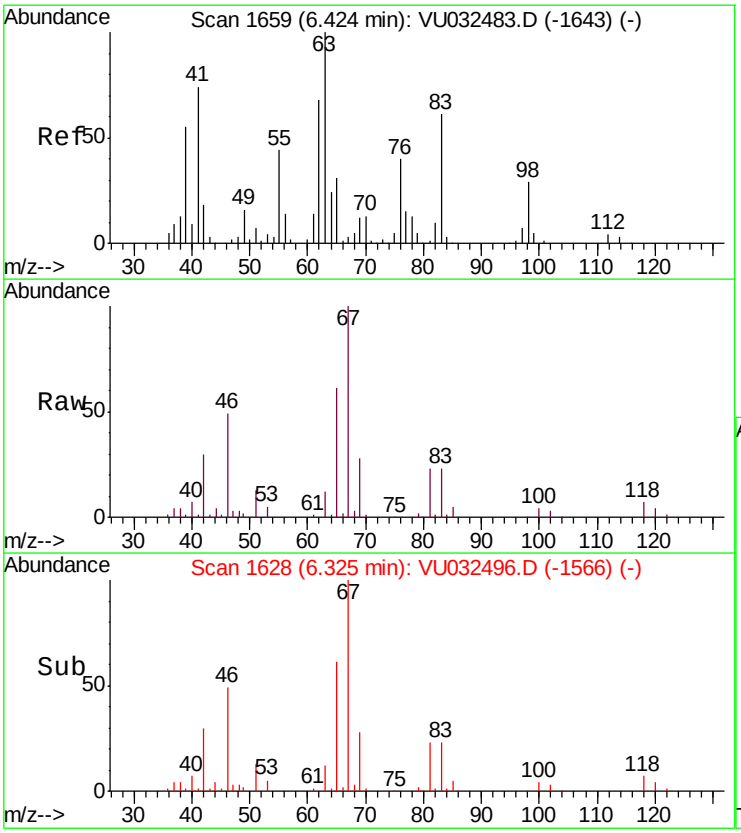



#33
Benzene
Concen:  10.389 ug/L
RT: 5.39 min  Scan# 1336
Delta R.T.  0.01 min
Lab File:  VU032496.D
Acq: 06 Jun 2019  14:53

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0C57DL

Tgt Ion: 78 Resp:  58610

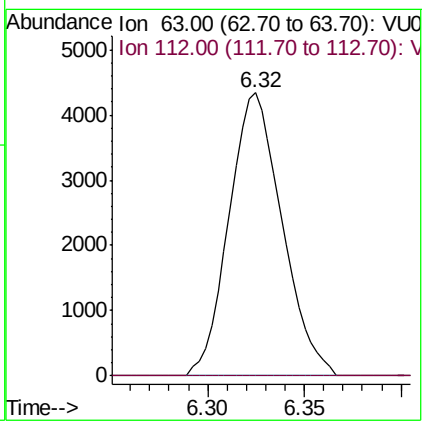


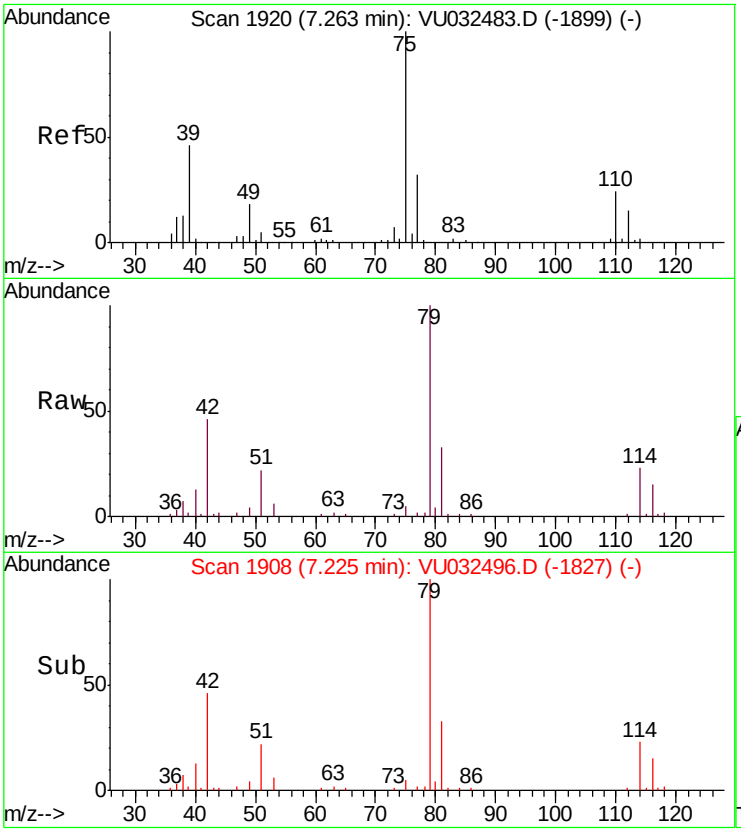




#37
1,2-Dichloropropane
Concen:  5.536 ug/L
RT: 6.32 min  Scan# 1628
Delta R.T.  -0.10 min
Lab File:  VU032496.D
Acq: 06 Jun 2019  14:53

Tgt Ion: 63 Resp:  8279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.1 | 4.7# |



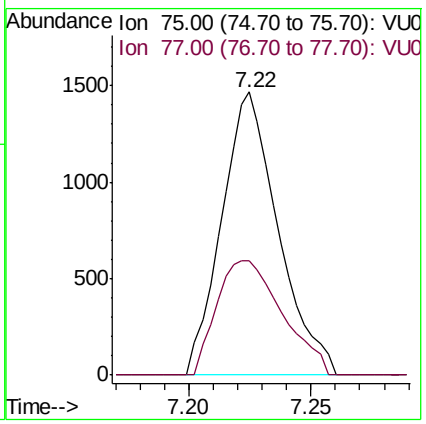


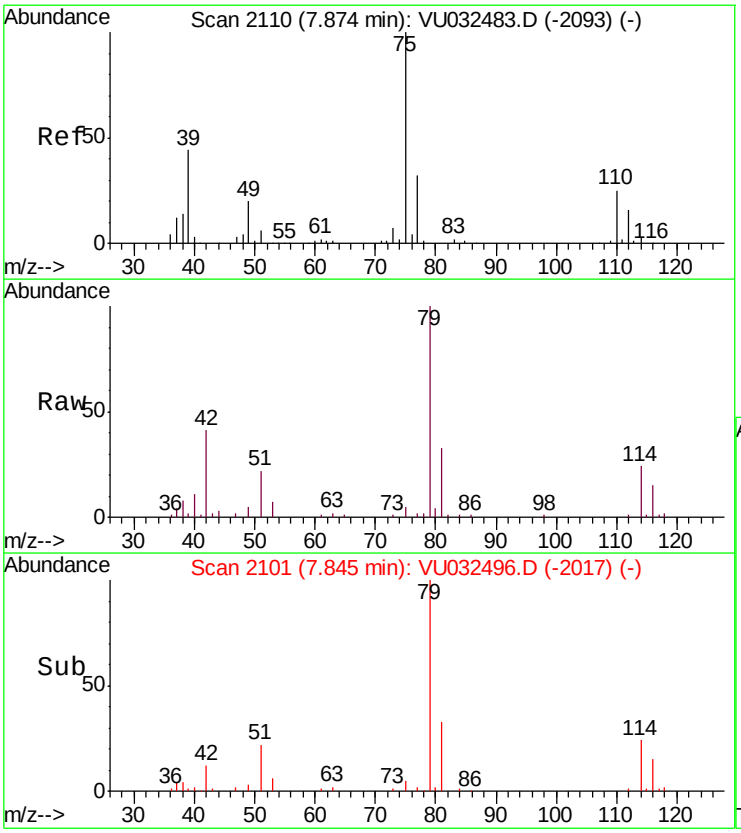

#39
cis-1,3-Dichloropropene
Concen: 0.998 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0C57DL

Tgt Ion: 75 Resp: 2356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.3 | 22.0 | 41.0 |

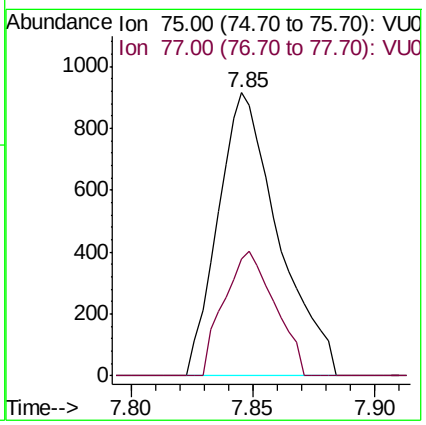


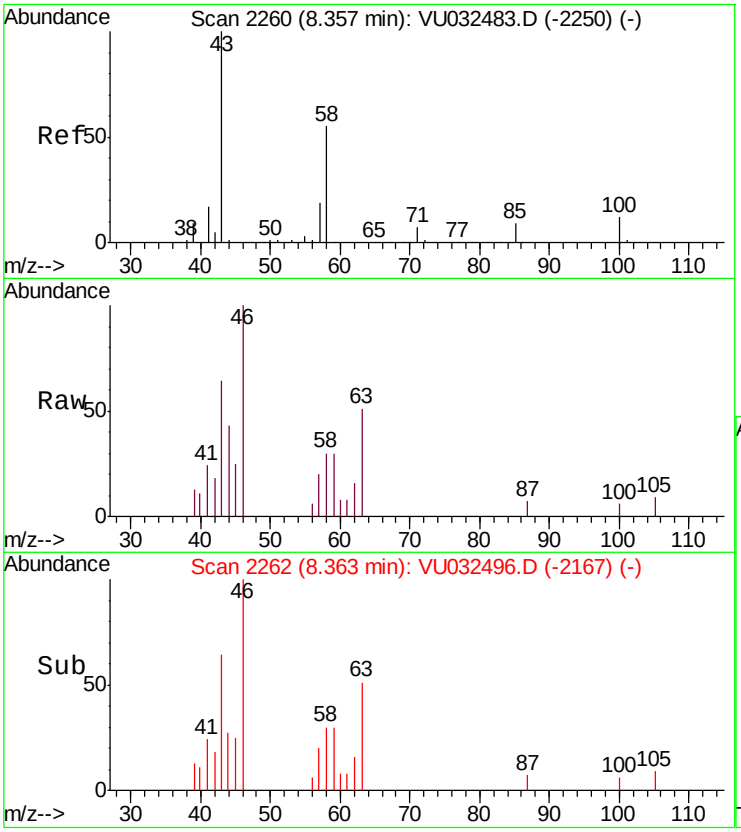




#44
trans-1,3-Dichloropropene
Concen: 0.750 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

Tgt Ion: 75 Resp: 1571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.6 | 22.1 | 41.1# |



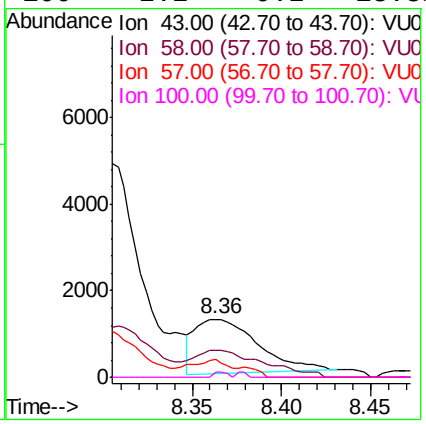


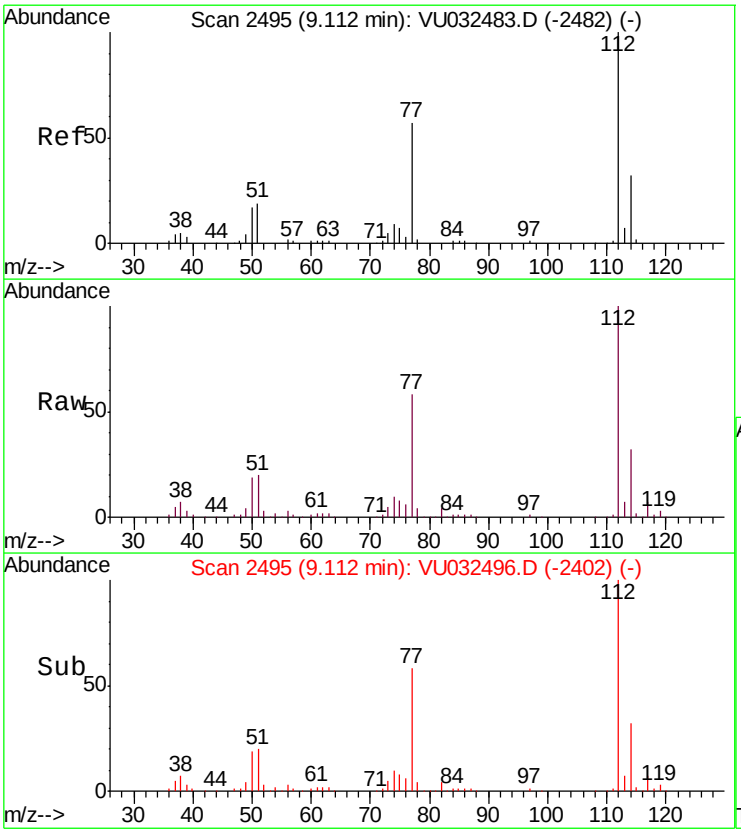

#48
2-Hexanone
Concen: 1.554 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

**Instrument :** MSVOA_U
**ClientSampleId :** C0C57DL

Tgt Ion: 43 Resp: 3071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 16.2 | 42.0 | 63.0# |
| 57 | 4.9 | 14.6 | 22.0# |
| 100 | 2.2 | 9.2 | 13.8# |

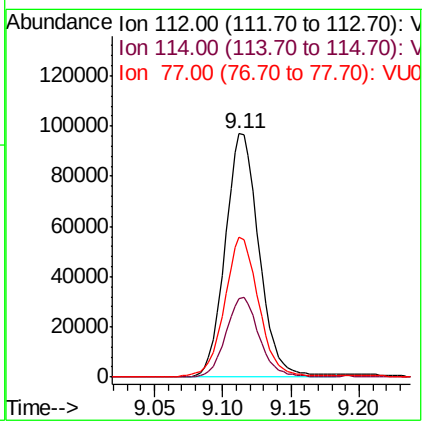


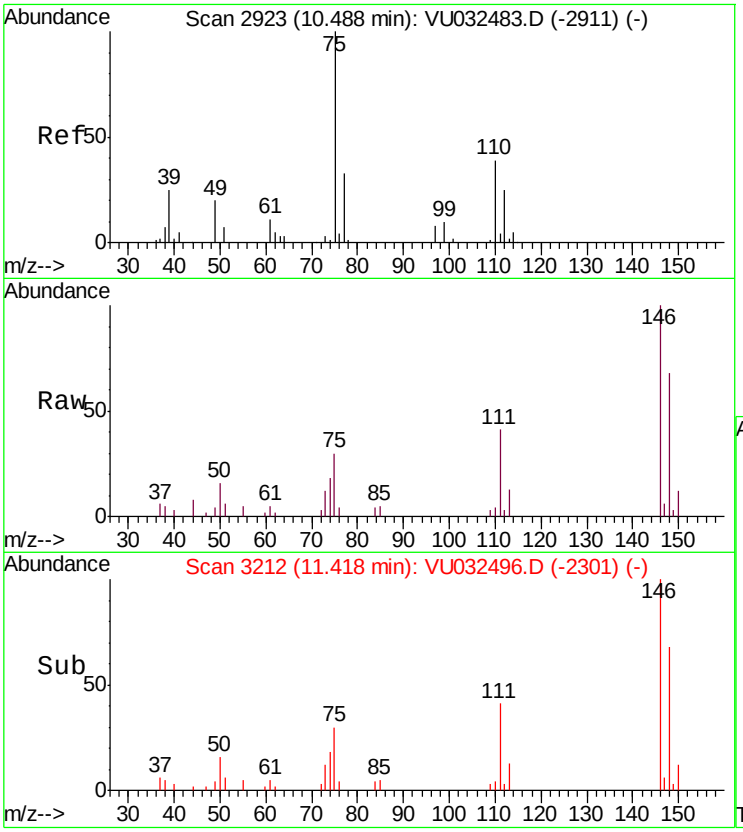




#51
Chlorobenzene
Concen: 42.022 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

Tgt Ion:112 Resp: 167272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 22.6 | 42.0 |
| 77 | 57.7 | 46.1 | 69.1 |



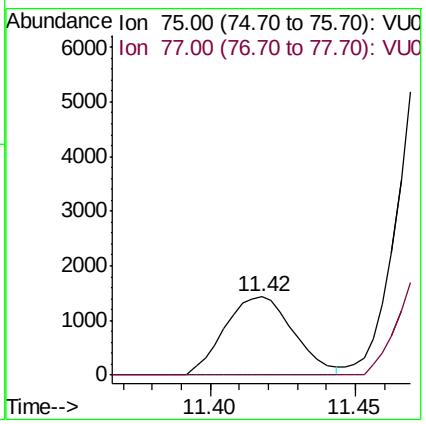


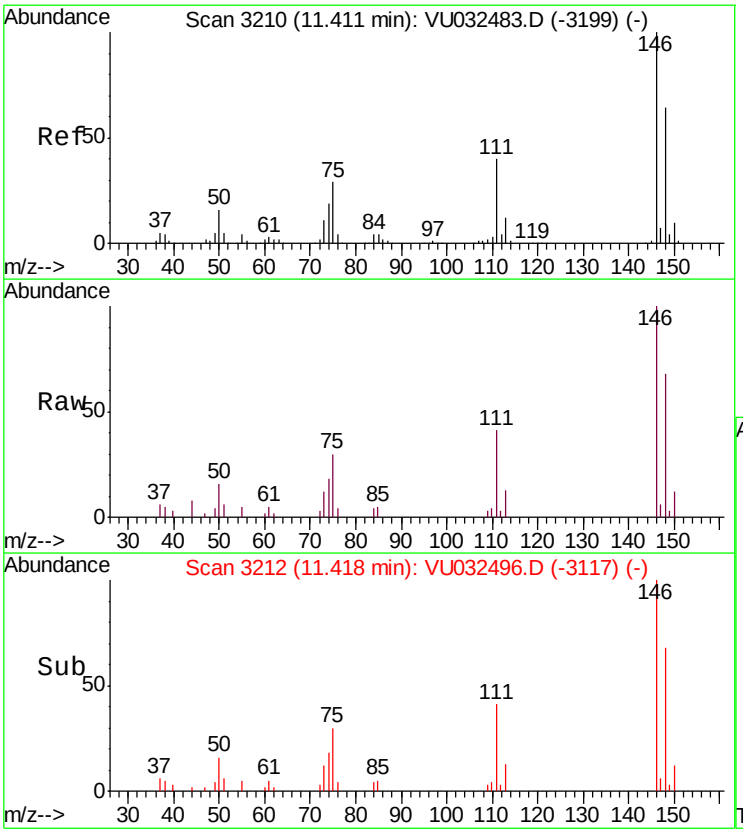

#59
1,2,3-Trichloropropane
Concen: 1.224 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.93 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

**Instrument :** MSVOA_U
**ClientSampleId :** C0C57DL

Tgt Ion: 75 Resp: 2379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.6 | 38.4# |

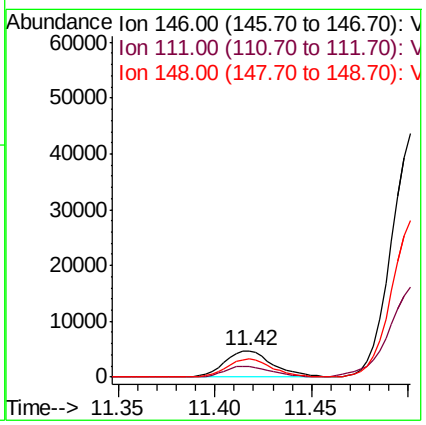


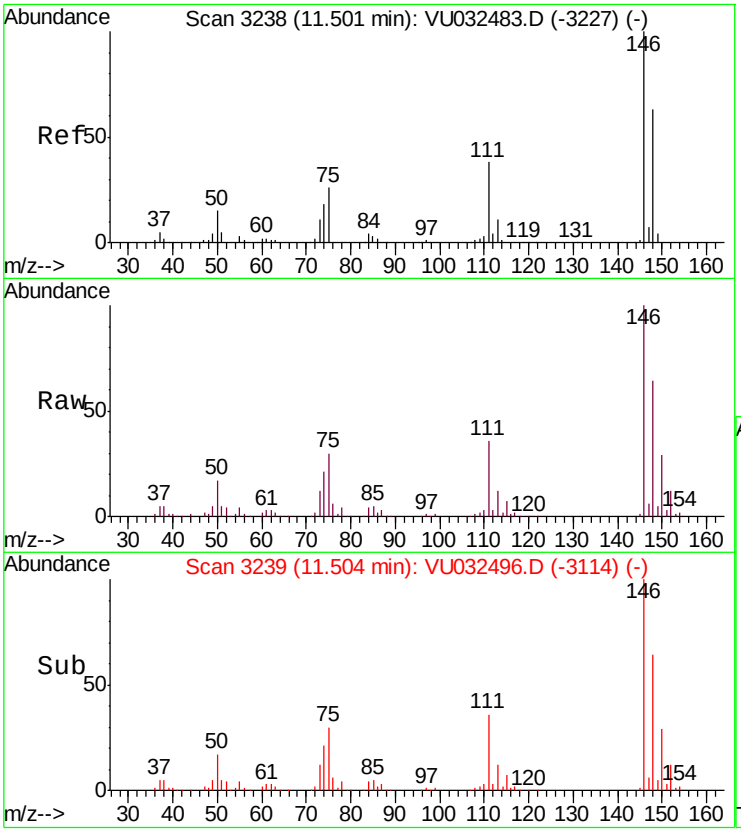




#62
1,3-Dichlorobenzene
Concen: 2.576 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.01 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

Tgt Ion:146 Resp: 8212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 27.3 | 50.7 |
| 148 | 68.2 | 44.4 | 82.5 |



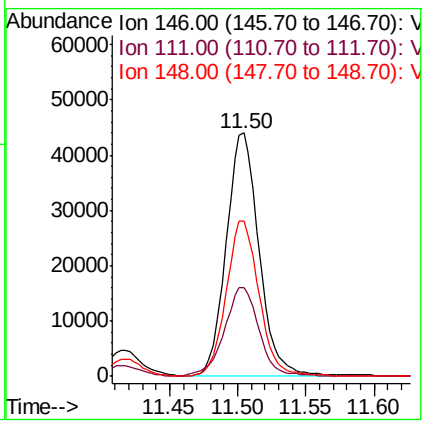


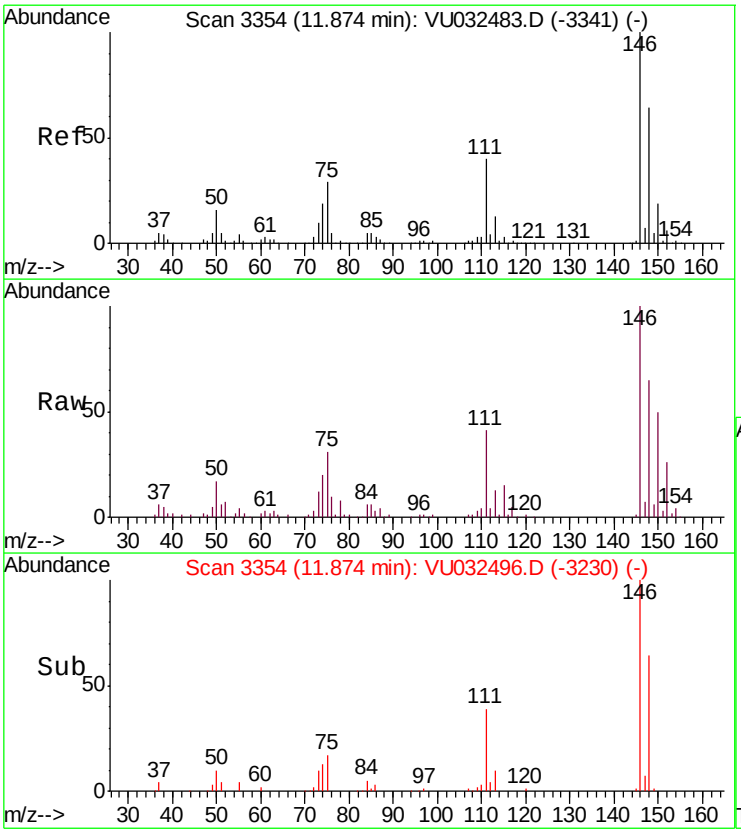

#63
1,4-Dichlorobenzene
Concen: 22.583 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0C57DL

Tgt Ion:146 Resp: 73594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.5 | 26.6 | 49.4 |
| 148 | 63.6 | 44.9 | 83.5 |

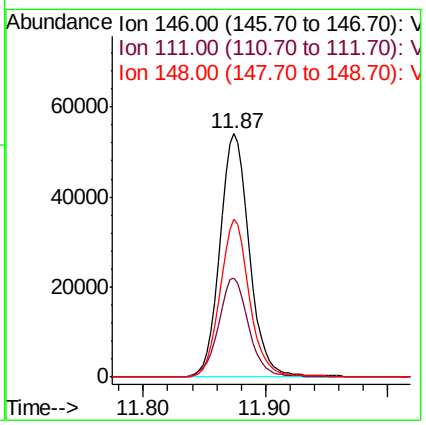


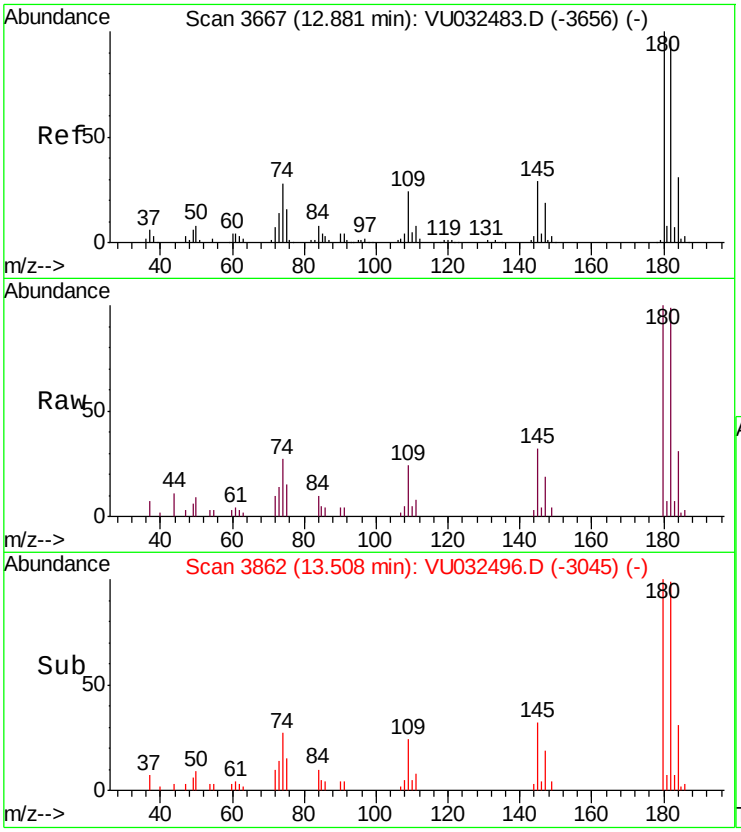




#65
1,2-Dichlorobenzene
Concen: 28.526 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

Tgt Ion:146 Resp: 91928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 32.6 | 48.8 |
| 148 | 64.8 | 50.5 | 75.7 |



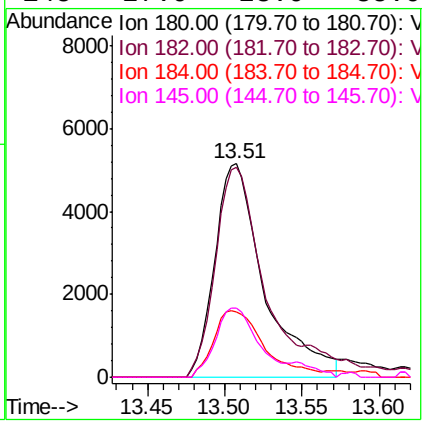


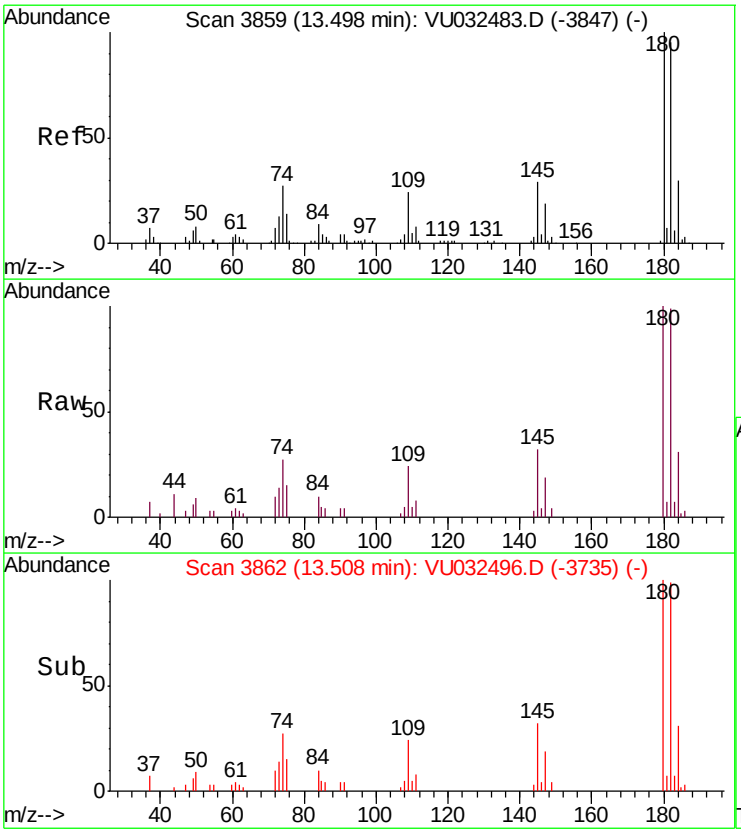

#67
1,3,5-Trichlorobenzene
Concen: 4.624 ug/L
RT: 13.51 min Scan# 3862
Delta R.T. 0.63 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0C57DL

Tgt Ion:180 Resp: 11467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.3 | 78.2 | 117.4 |
| 184 | 31.8 | 24.2 | 36.2 |
| 145 | 27.9 | 23.9 | 35.9 |




#68
1,2,4-trichlorobenzene
Concen: 5.458 ug/L
RT: 13.51 min Scan# 3862
Delta R.T. 0.01 min
Lab File: VU032496.D
Acq: 06 Jun 2019 14:53

Tgt Ion:180 Resp: 11467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.3 | 76.5 | 114.7 |
| 145 | 27.9 | 23.8 | 35.6 |