Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062219\

Quantitation Report (Not Reviewed)

Data File : VU032966.D
Acq On : 21 Jun 2019 23:41
Operator : JC/SP
Sample : K3464-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ETF51

Quant Time: Jun 22 02:01:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 191086 | 50.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 9.08 | 117 | 187391 | 50.00 | ug/L | | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 87292 | 50.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 49677 | 38.04 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 76.08% | | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 45341 | 43.53 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 87.06% | | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 80682 | 30.67 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 61.34% | | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 118368 | 108.90 | ug/L | | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 108.90% | | | | |
| 24) Chloroform-d | 4.64 | 84 | 118280 | 46.59 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.18% | | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 84688 | 50.08 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.16% | | | | |
| 32) Benzene-d6 | 5.33 | 84 | 221414 | 45.33 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.66% | | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 73472 | 47.21 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 94.42% | | | | |
| 41) Toluene-d8 | 7.56 | 98 | 195437 | 42.72 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 85.44% | | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 33413 | 41.28 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 82.56% | | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 69479 | 95.62 | ug/L | | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 95.62% | | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 111972 | 46.55 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.10% | | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 79978 | 47.35 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.70% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Vinyl chloride | 1.40 | 62 | 15331 | 8.835 | ug/L | | 92 |
| 8) Chloroethane | 1.40 | 64 | 5801 | 5.808 | ug/L | # | 73 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 727 | 0.604 | ug/L | # | 1 |
| 13) Acetone | 2.32 | 43 | 844 | 0.562 | ug/L | | 76 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 81809 | 57.549 | ug/L | | 95 |
| 27) 1,2-Dichloroethane | 5.33 | 62 | 1451 | 0.688 | ug/L | # | 77 |
| 35) Methylcyclohexane | 6.32 | 83 | 17000 | 7.625 | ug/L | # | 18 |
| 37) 1,2-Dichloropropane | 6.32 | 63 | 8669 | 5.854 | ug/L | # | 88 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 2424 | 1.051 | ug/L | # | 79 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1661 | 0.767 | ug/L | # | 72 |
| 48) 2-Hexanone | 8.36 | 43 | 2094 | 1.004 | ug/L | # | 88 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 11207 | 5.671 | ug/L | | 89 |

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

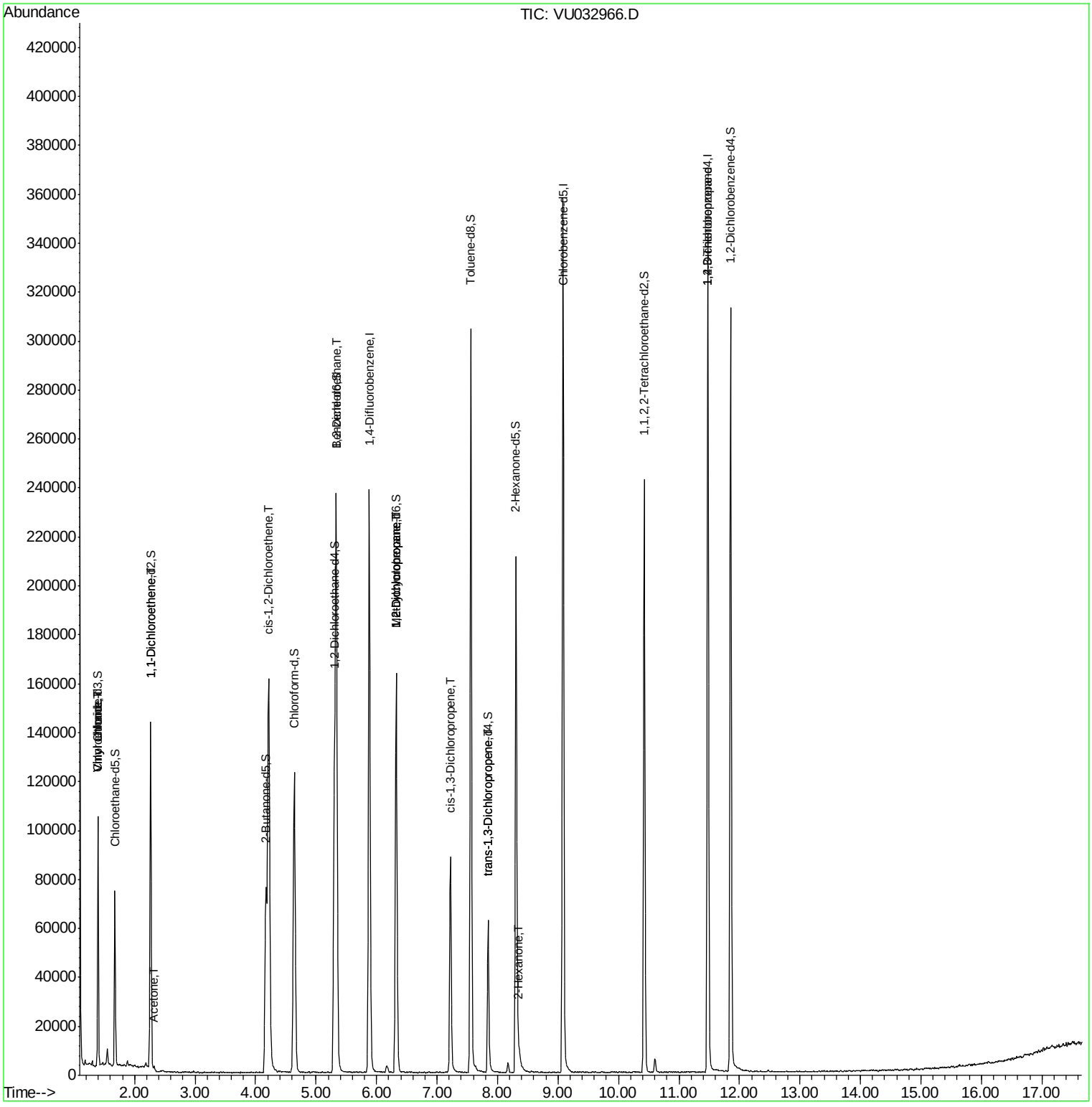
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062219\

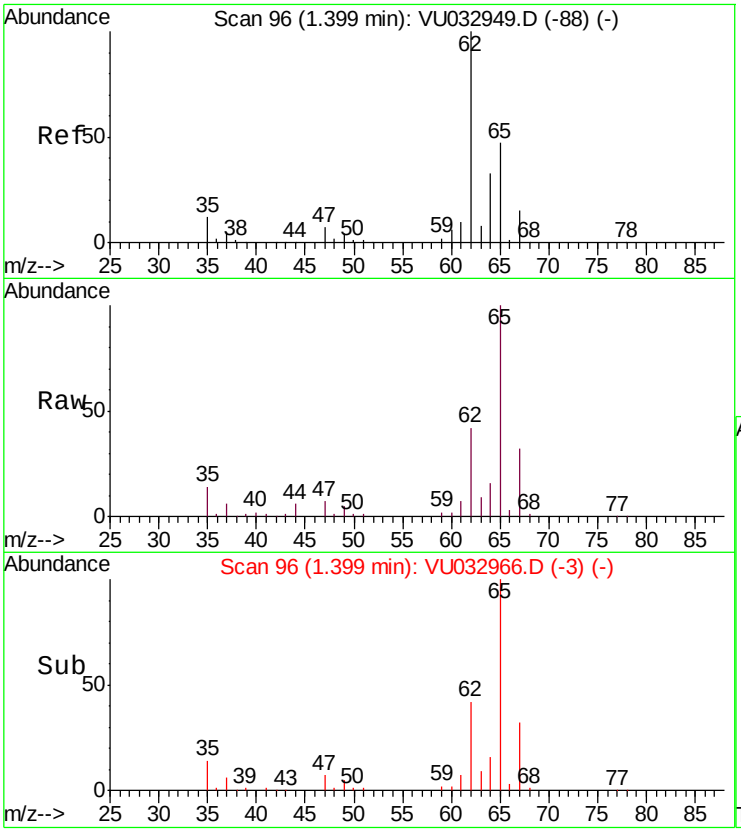
Quantitation Report (Not Reviewed)

Data File : VU032966.D
Acq On : 21 Jun 2019 23:41
Operator : JC/SP
Sample : K3464-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETF51

Quant Time: Jun 22 02:01:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration



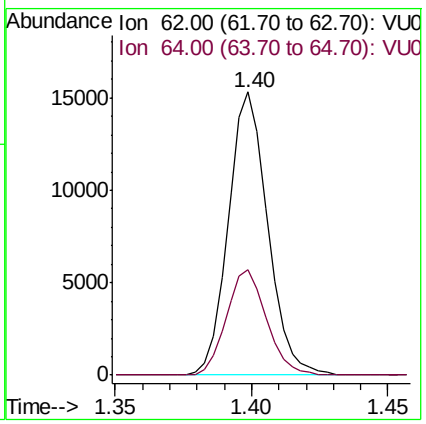


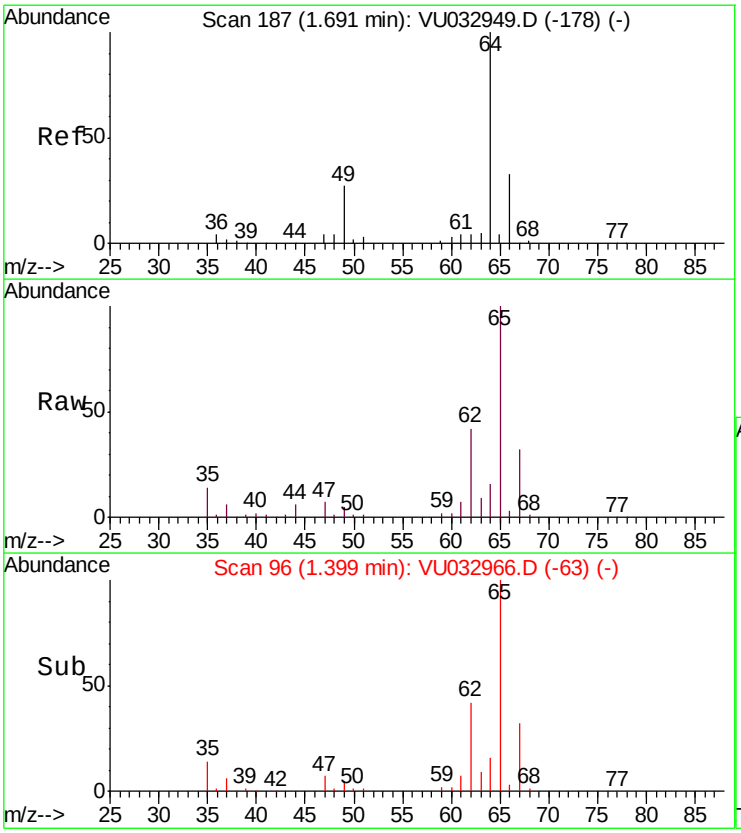

#5
Vinyl chloride
Concen: 8.835 ug/L
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETF51

Tgt Ion: 62 Resp: 15331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 37.1 | 23.0 | 42.6 |

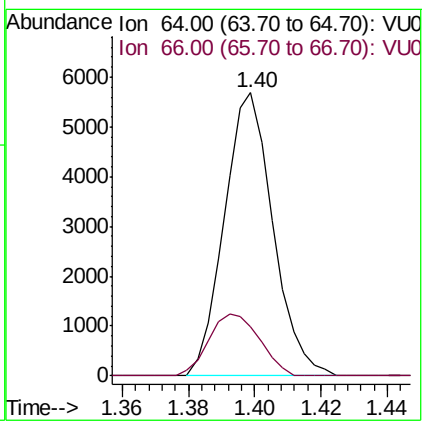


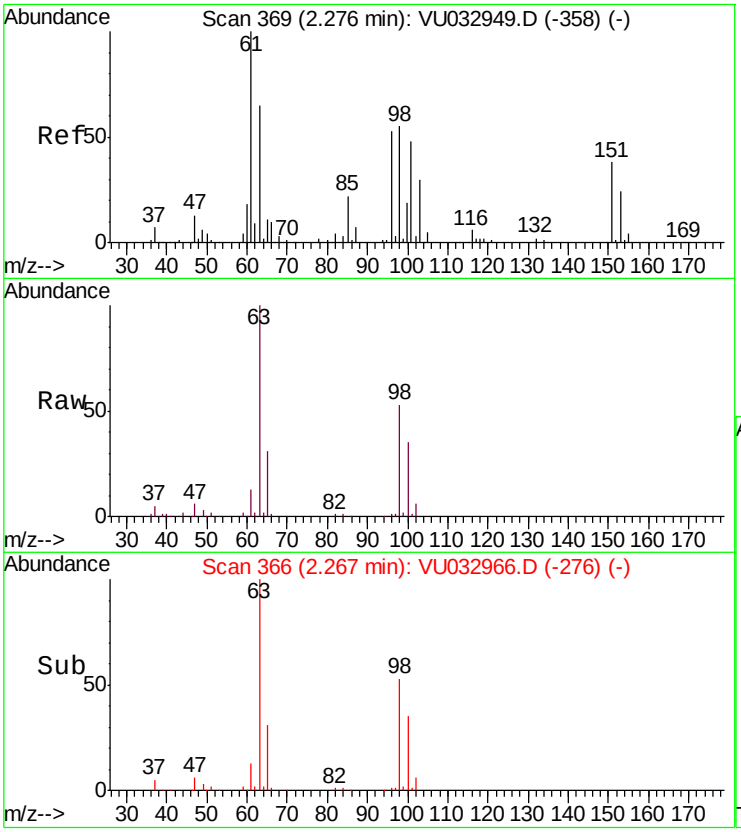




#8
Chloroethane
Concen: 5.808 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.29 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

Tgt Ion: 64 Resp: 5801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 17.2 | 22.5 | 41.7# |



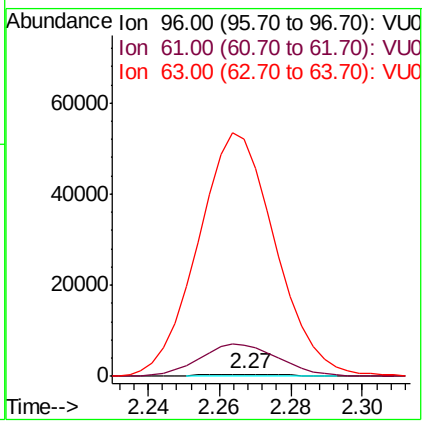


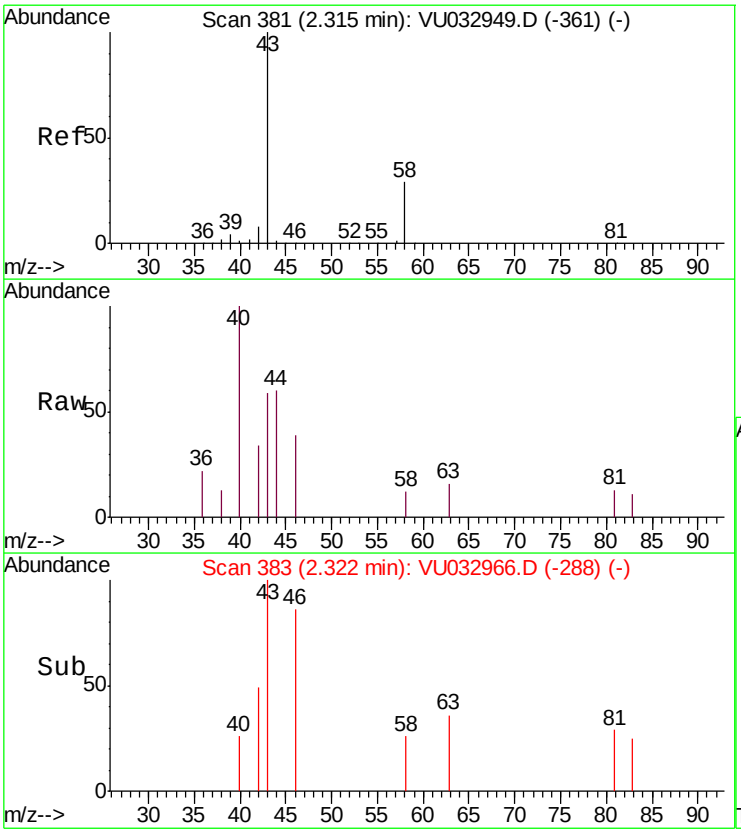

#12
1,1-Dichloroethene
Concen: 0.604 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETF51

Tgt Ion: 96 Resp: 727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1590.0 | 131.0 | 243.4# |
| 63 | 12075.9 | 101.0 | 187.6# |

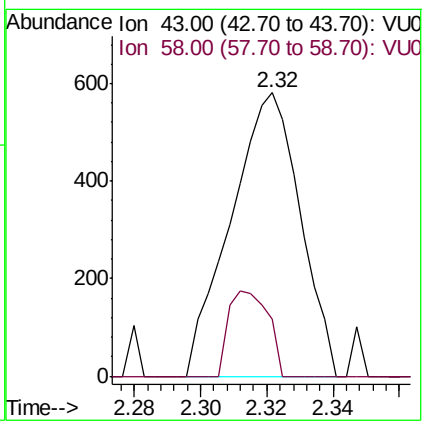


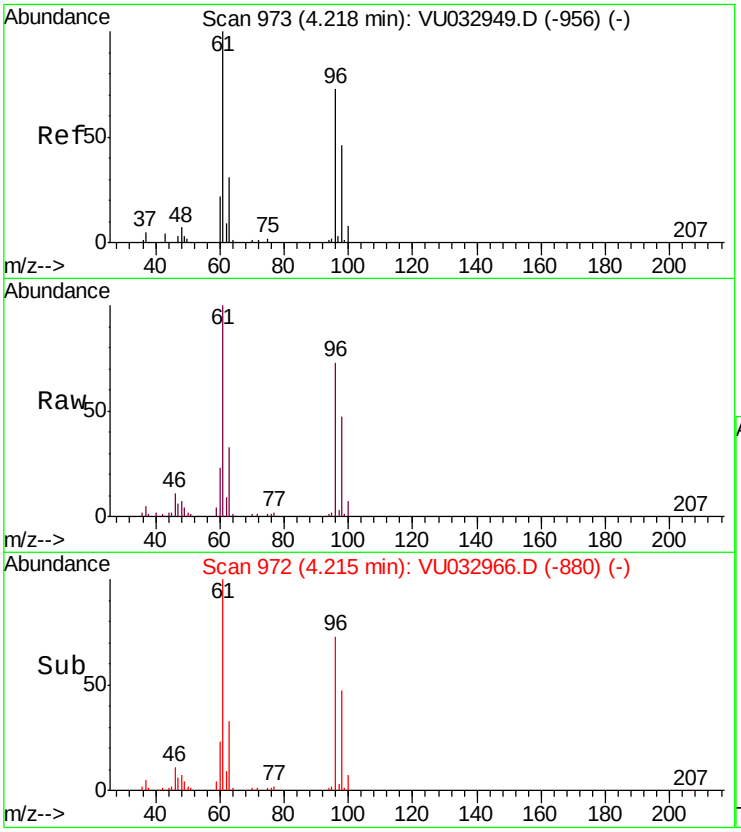




#13
Acetone
Concen: 0.562 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.01 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

Tgt Ion: 43 Resp: 844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.3 | 0.0 | 60.6 |



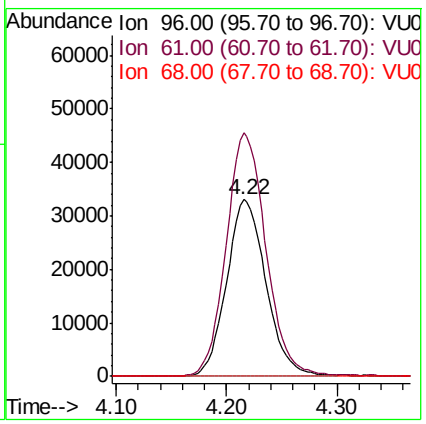


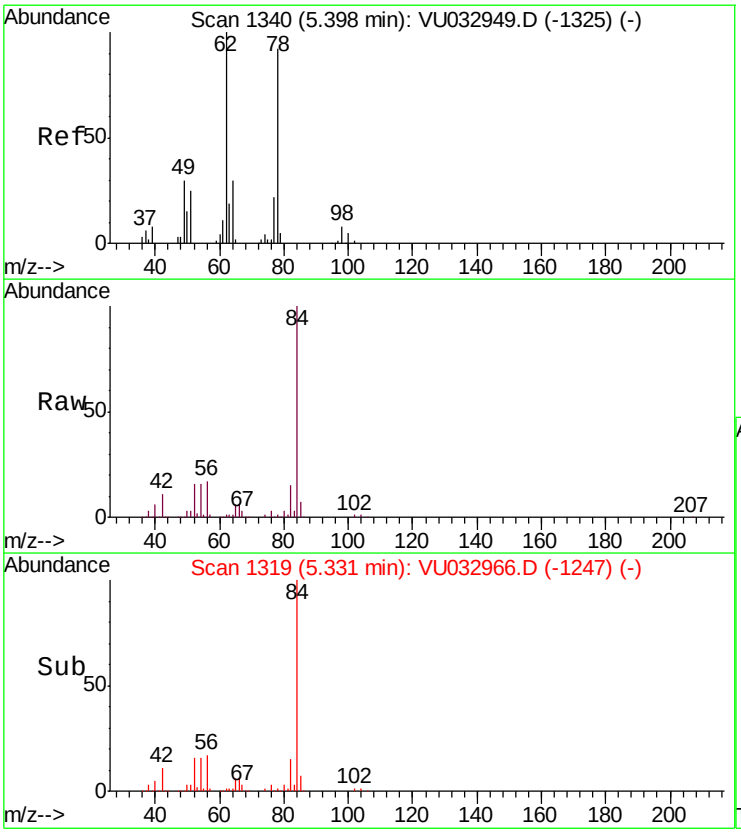

#20
cis-1,2-Dichloroethene
Concen: 57.549 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETF51

Tgt Ion: 96 Resp: 81809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.6 | 92.4 | 171.6 |
| 68 | 0.0 | 0.0 | 0.0 |

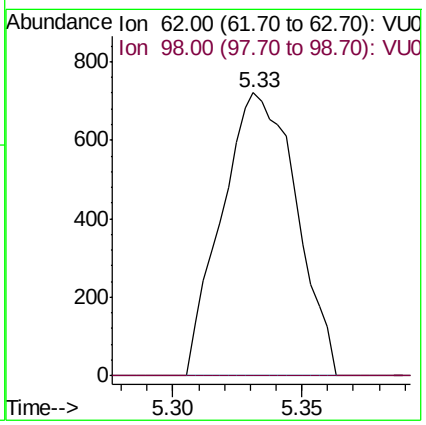


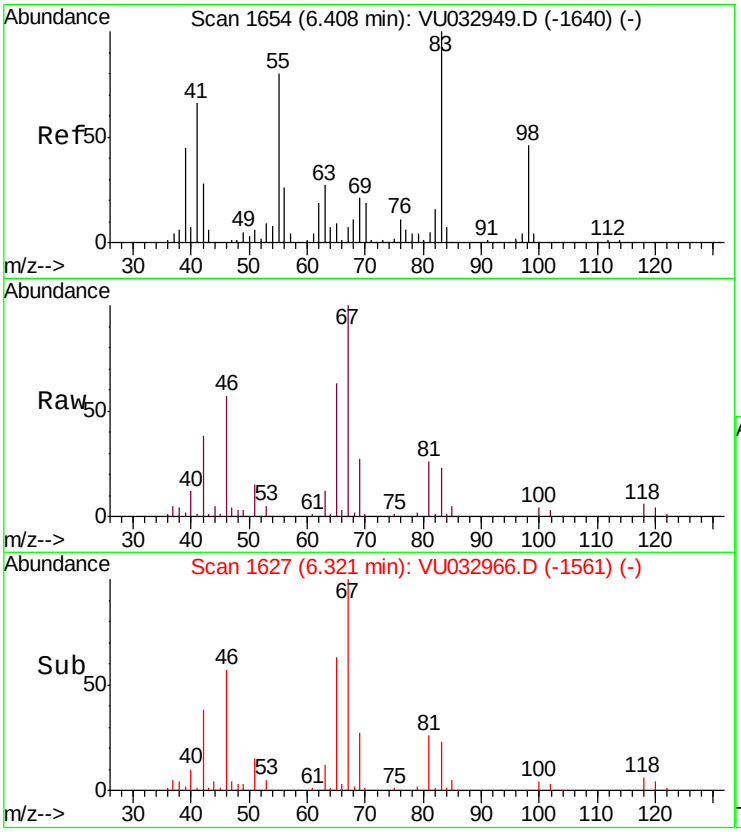




#27
1,2-Dichloroethane
Concen: 0.688 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.07 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

Tgt Ion: 62 Resp: 1451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 6.6 | 10.0# |



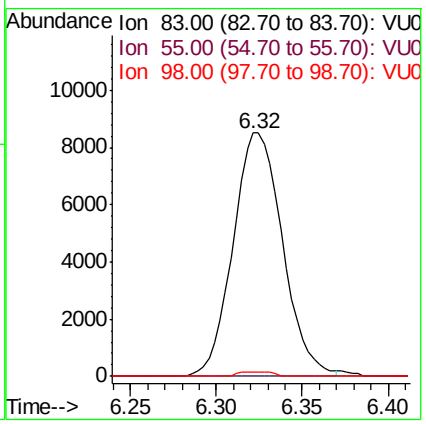


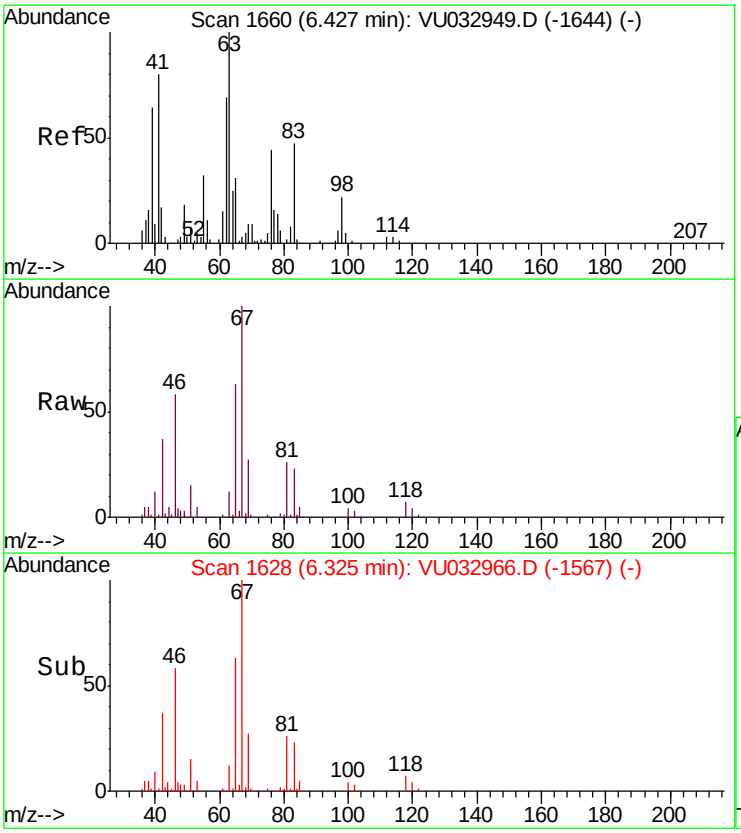

#35
Methylcyclohexane
Concen: 7.625 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETF51

Tgt Ion: 83 Resp: 17000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 62.6 | 94.0# |
| 98 | 0.9 | 37.4 | 56.0# |

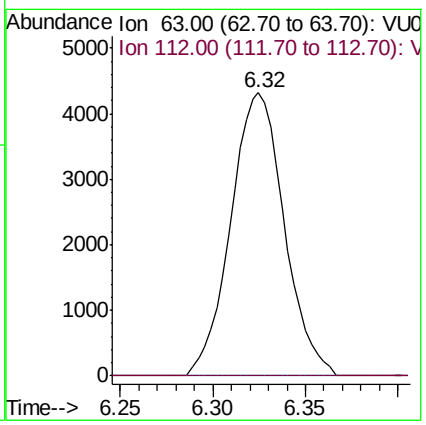


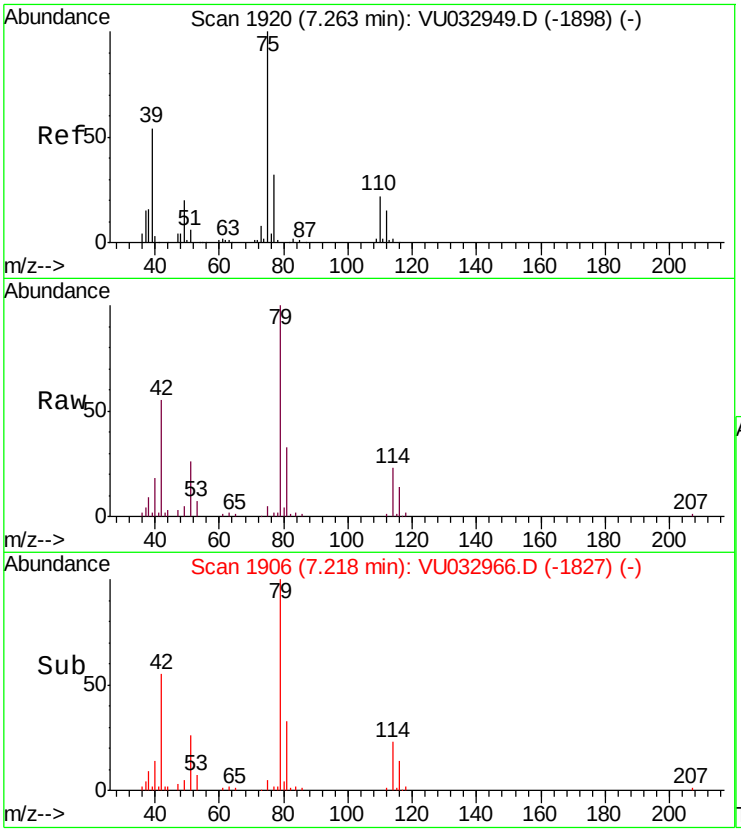




#37
1,2-Dichloropropane
Concen: 5.854 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

Tgt Ion: 63 Resp: 8669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.0 | 4.6# |



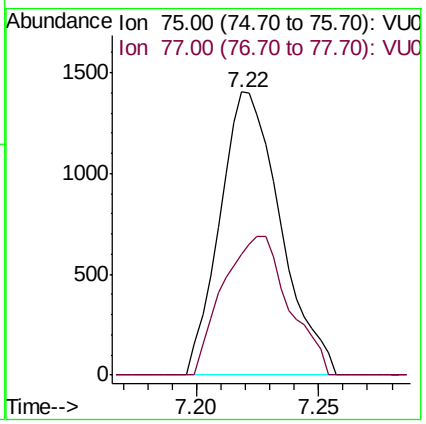


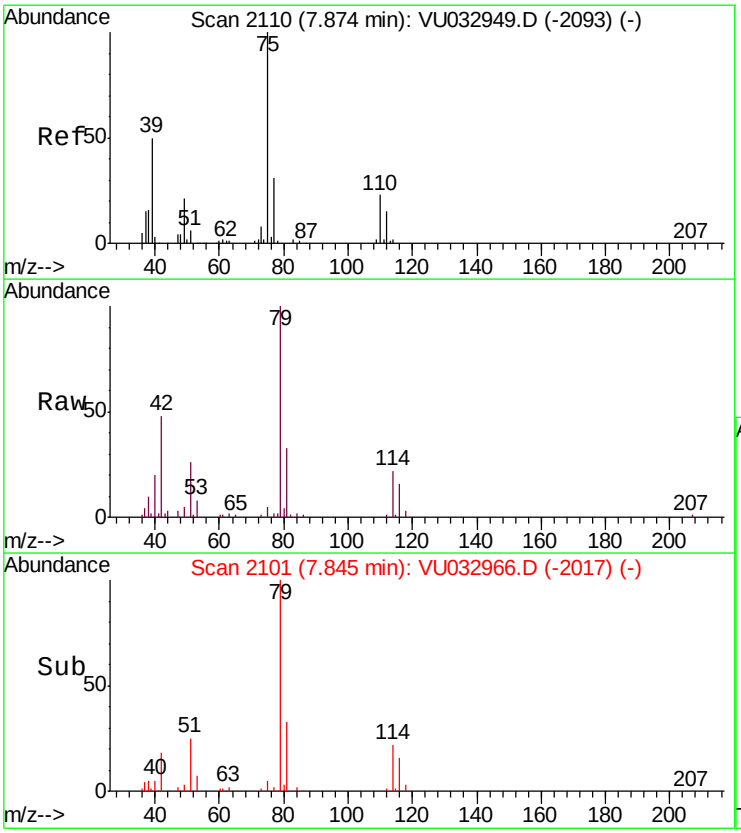

#39
cis-1,3-Dichloropropene
Concen: 1.051 ug/L
RT: 7.22 min Scan# 1906
Delta R.T. -0.04 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETF51

Tgt Ion: 75 Resp: 2424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.9 | 21.9 | 40.7# |

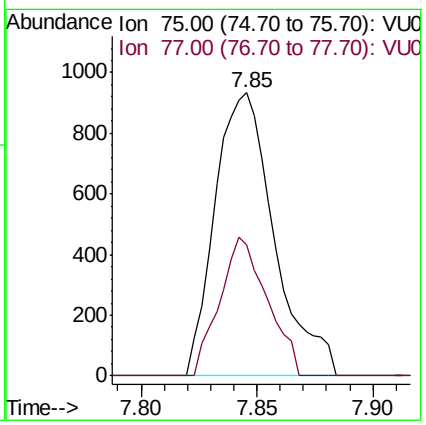


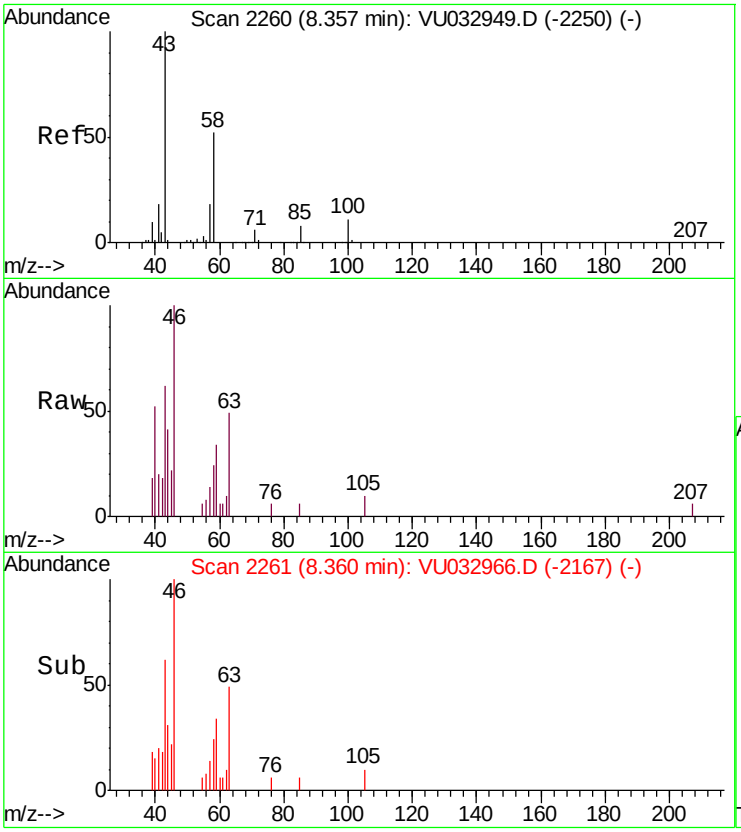




#44
trans-1,3-Dichloropropene
Concen: 0.767 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

Tgt Ion: 75 Resp: 1661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 46.3 | 21.8 | 40.4# |



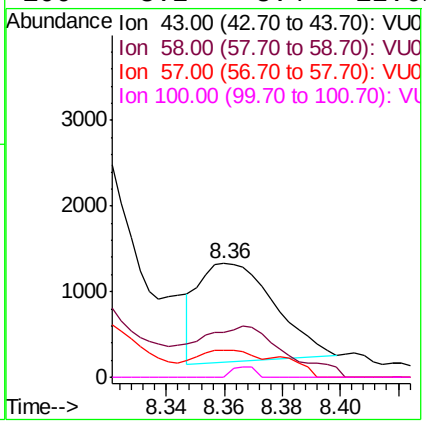


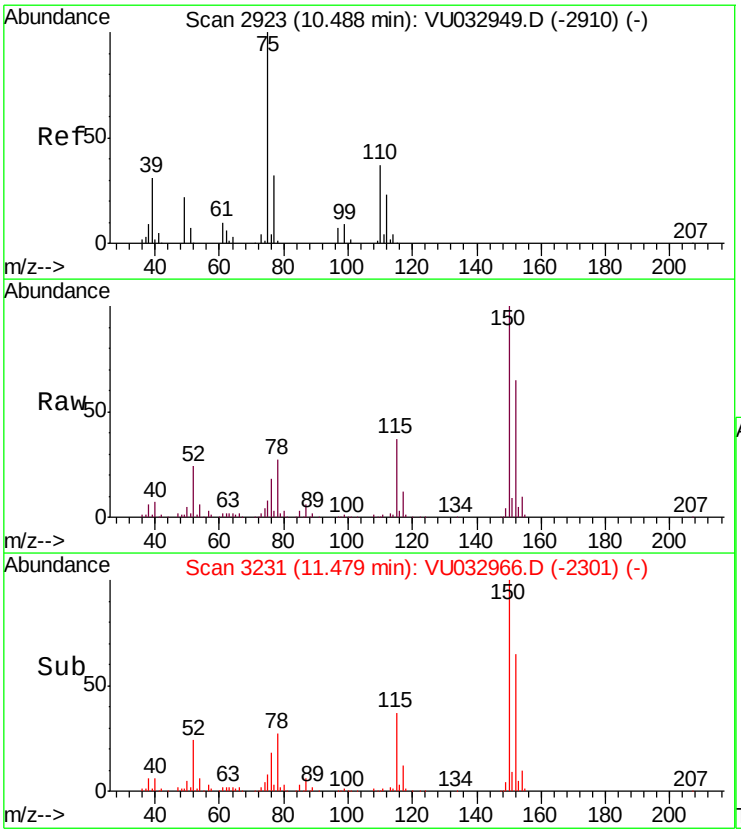

#48
2-Hexanone
Concen: 1.004 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

**Instrument :** MSVOA_U
**ClientSampleId :** ETF51

Tgt Ion: 43 Resp: 2094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.2 | 40.2 | 60.2 |
| 57 | 9.1 | 14.2 | 21.4# |
| 100 | 3.2 | 8.4 | 12.6# |




#59
1,2,3-Trichloropropane
Concen: 5.671 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032966.D
Acq: 21 Jun 2019 23:41

Tgt Ion: 75 Resp: 11207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.0 | 25.5 | 38.3 |