Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102120\
Data File : VU040896.D
Acq On : 22 Oct 2020 00:28
Operator : SY/MD
Sample : L4447-02DL 200X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ETZ56DL

Quant Time: Oct 22 01:15:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 219306 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 227468 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 92343 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 69752 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 92.80% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 62512 | 4.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 104791 | 3.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 65.60% | | | |
| 20) 2-Butanone-d5 | 4.65 | 46 | 340929 | 63.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 127.74% | | | |
| 24) Chloroform-d | 5.08 | 84 | 161986 | 4.91 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 103641 | 5.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 112.20% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 283810 | 4.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 100650 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 99.40% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 214735 | 4.06 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 81.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 38771 | 4.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 95.80% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 243807 | 59.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 119.70% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 97593 | 5.67 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 113.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 90852 | 5.60 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 112.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.61 | 62 | 149608 | 6.658 | ug/L | 98 |
| 8) Chloroethane | 1.95 | 64 | 589 | 0.041 | ug/L # | 53 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 784 | 0.046 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 1227 | 0.076 | ug/L # | 1 |
| 16) Methylene chloride | 3.06 | 84 | 2680 | 0.136 | ug/L | 90 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 2324 | 0.140 | ug/L | 85 |
| 22) cis-1,2-Dichloroethene | 4.69 | 96 | 448653 | 24.528 | ug/L | 96 |
| 35) Methylcyclohexane | 6.70 | 83 | 22644 | 0.813 | ug/L # | 15 |
| 37) 1,2-Dichloropropane | 6.70 | 63 | 11127 | 0.564 | ug/L # | 90 |
| 39) cis-1,3-Dichloropropene | 7.57 | 75 | 2748 | 0.104 | ug/L # | 76 |
| 44) trans-1,3-Dichloropropene | 8.19 | 75 | 2279 | 0.095 | ug/L # | 55 |
| 59) 1,2,3-Trichloropropane | 11.81 | 75 | 13700 | 1.068 | ug/L | 94 |

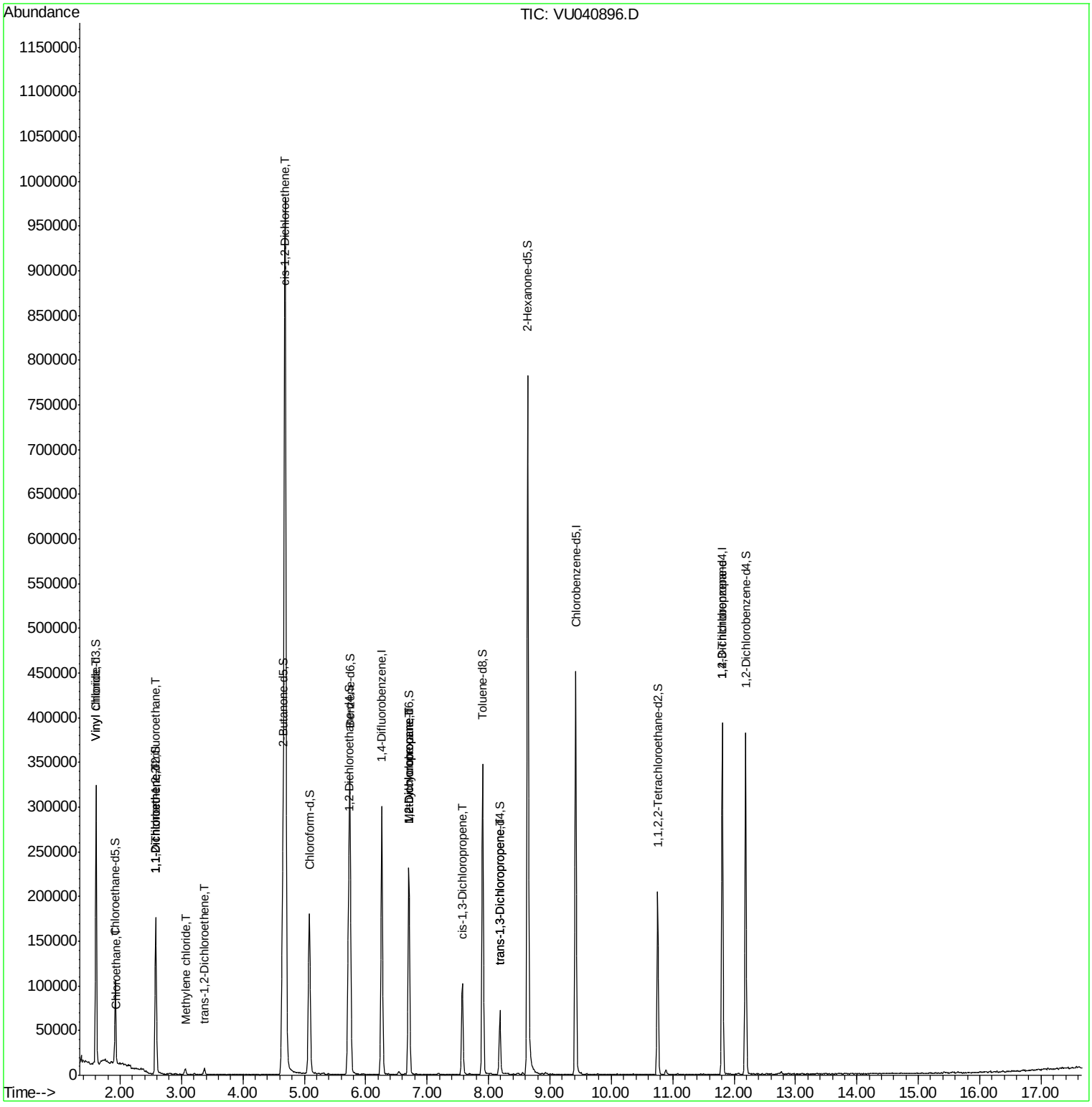
(#) = qualifier out of range (m) = manual integration (+) = signals summed

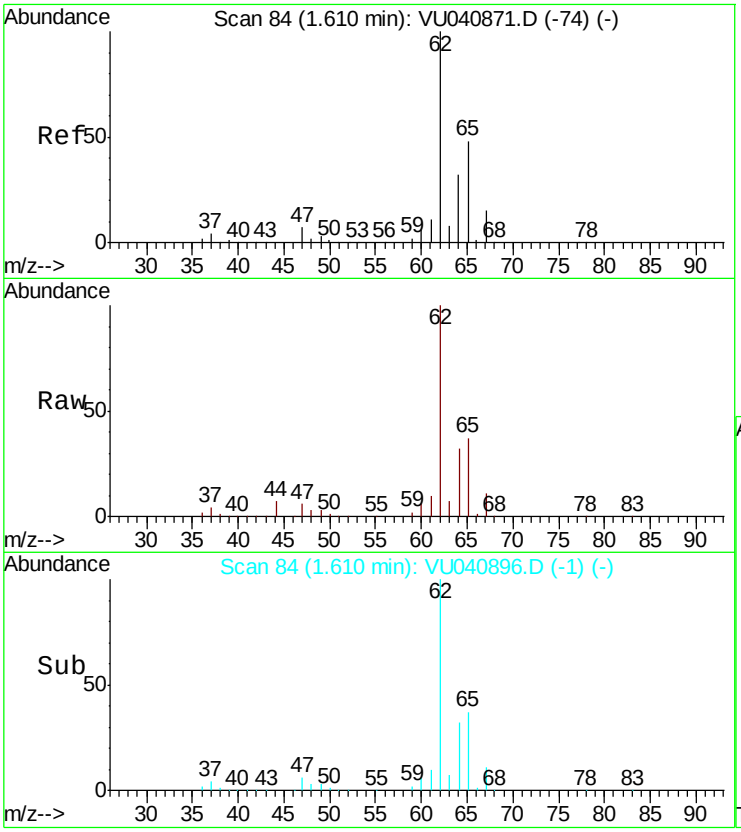
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102120\
Data File : VU040896.D
Acq On : 22 Oct 2020 00:28
Operator : SY/MD
Sample : L4447-02DL 200X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ETZ56DL

Quant Time: Oct 22 01:15:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration



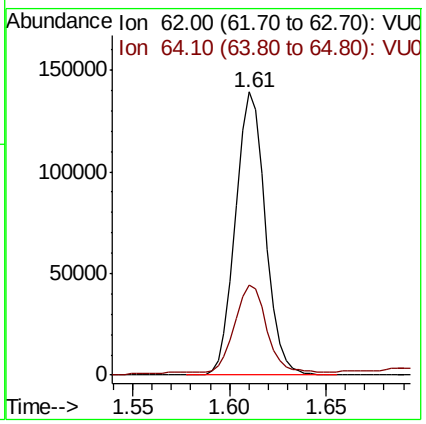


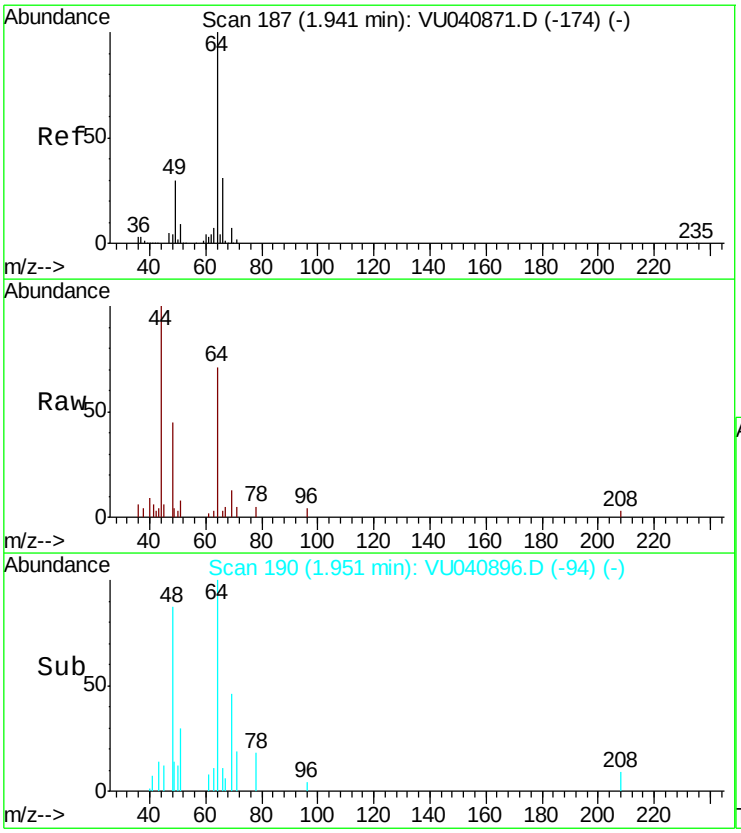

#5
Vinyl chloride
Concen: 6.658 ug/L
RT: 1.61 min Scan# 84
Delta R.T. -0.00 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETZ56DL

Tgt Ion: 62 Resp: 149608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 21.8 | 40.6 |

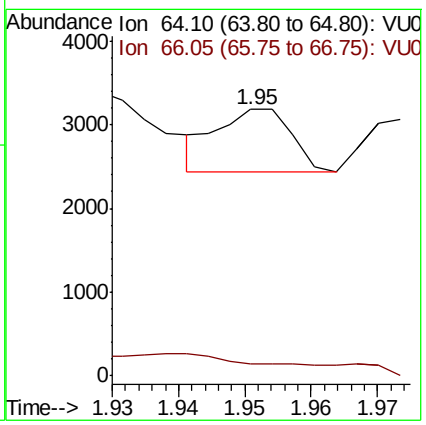


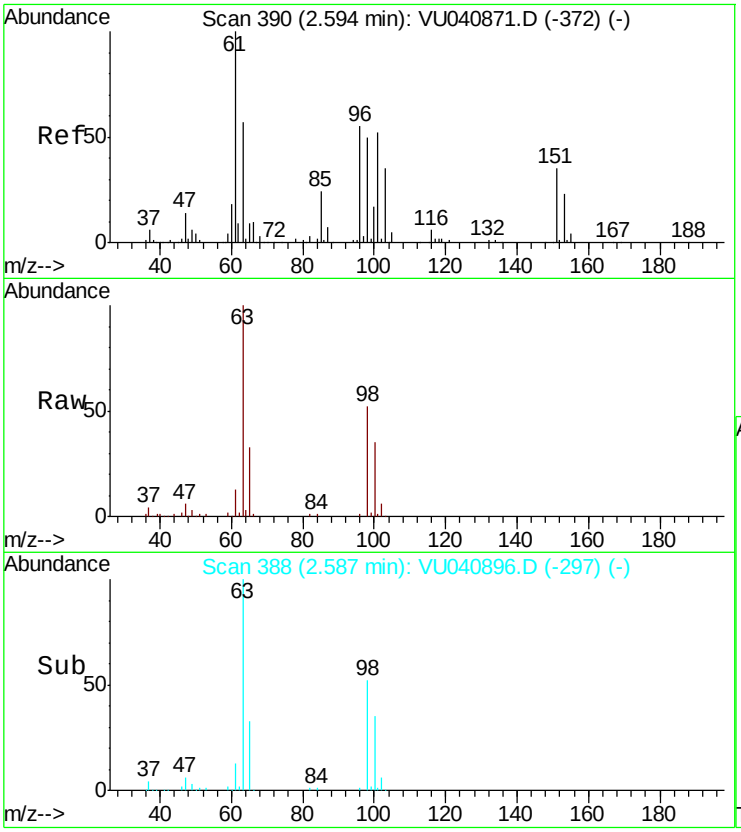




#8
Chloroethane
Concen: 0.041 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.01 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

Tgt Ion: 64 Resp: 589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 4.5 | 21.2 | 39.4# |



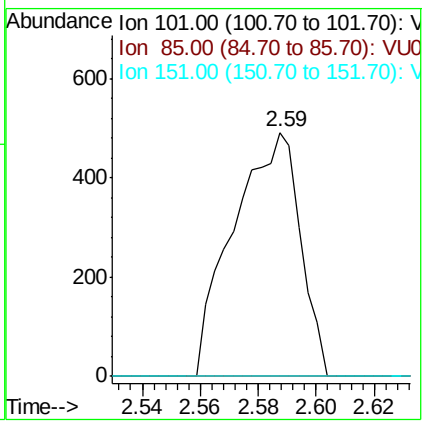


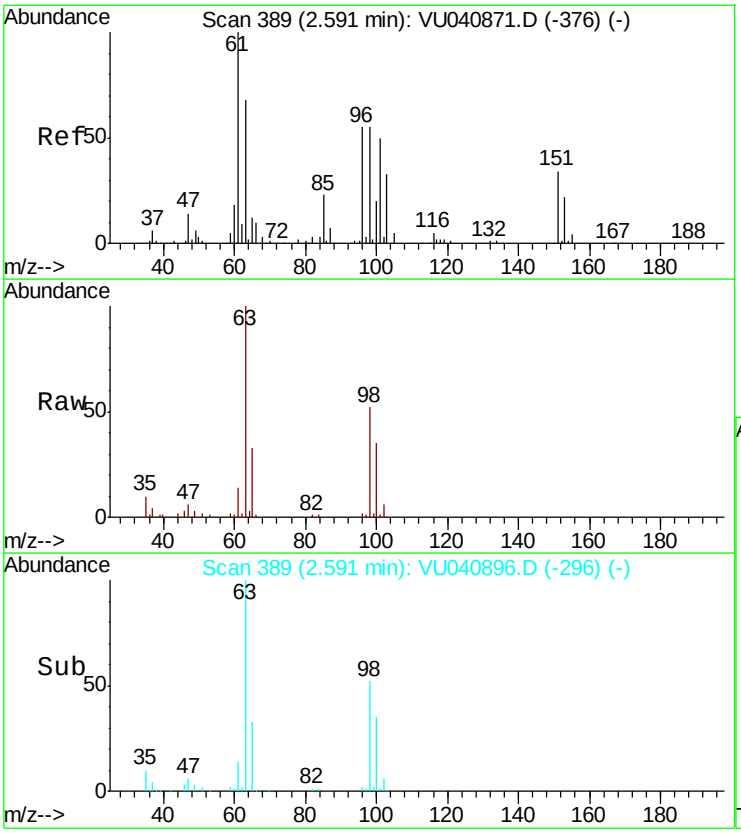

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.046 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.01 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETZ56DL

Tgt Ion:101 Resp: 784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 36.4 | 54.6# |
| 151 | 0.0 | 56.3 | 84.5# |

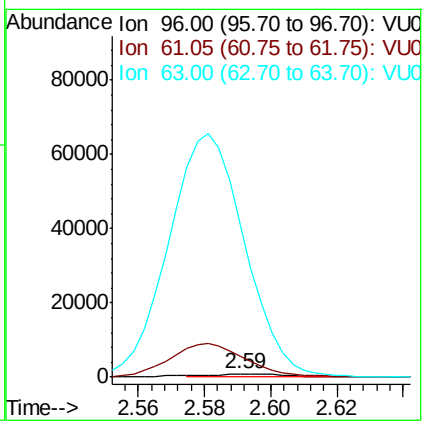


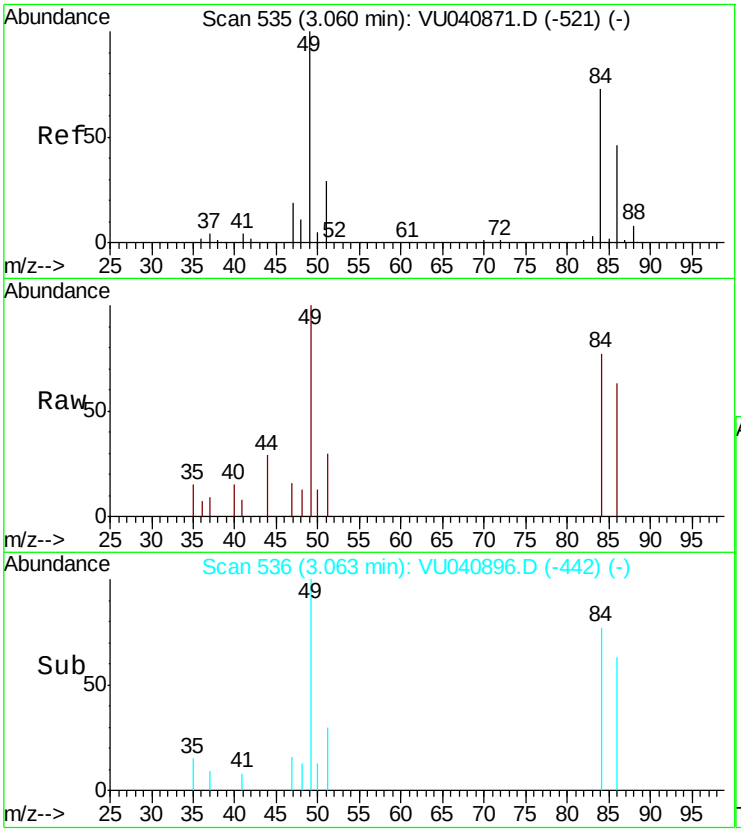




#12
1,1-Dichloroethene
Concen: 0.076 ug/L
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

Tgt Ion: 96 Resp: 1227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 681.0 | 130.9 | 243.1# |
| 63 | 4951.7 | 85.4 | 158.6# |



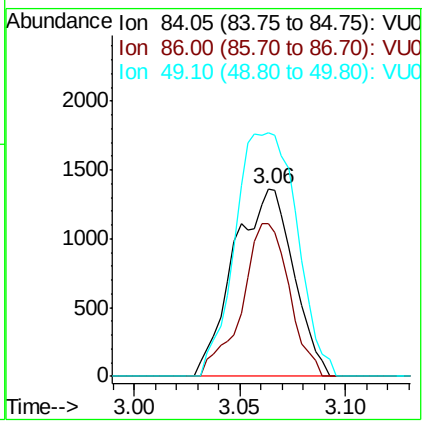


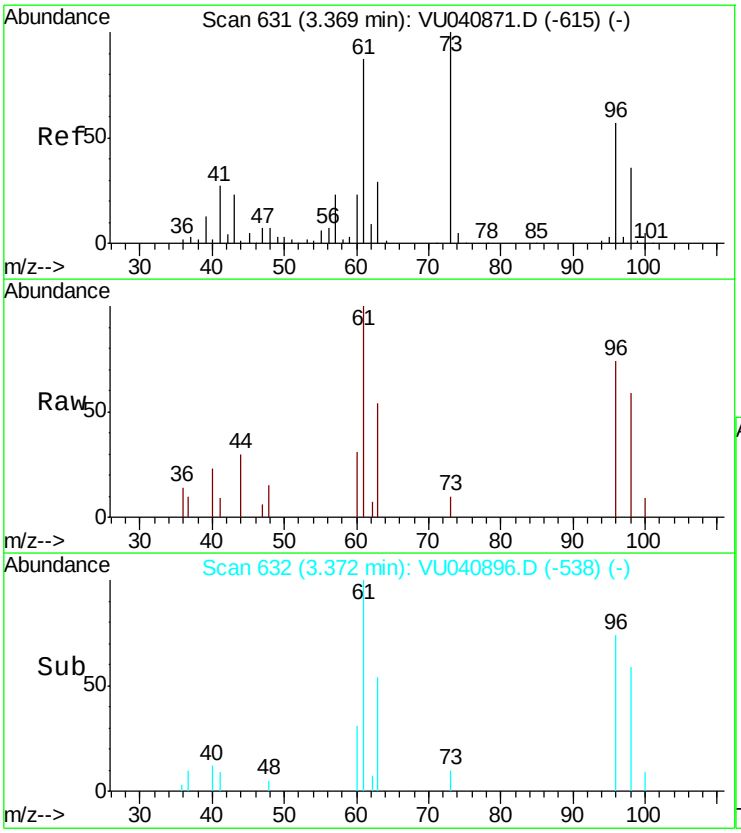

#16
Methylene chloride
Concen: 0.136 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETZ56DL

Tgt Ion: 84 Resp: 2680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 81.2 | 44.9 | 83.5 |
| 49 | 129.7 | 94.7 | 175.9 |

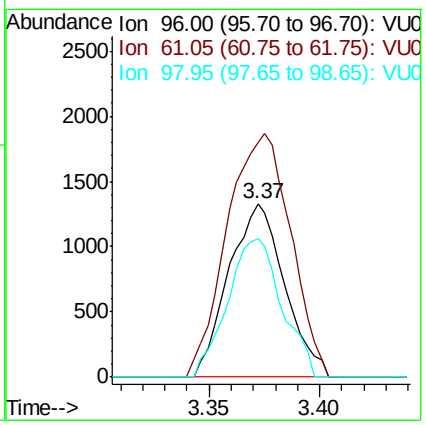


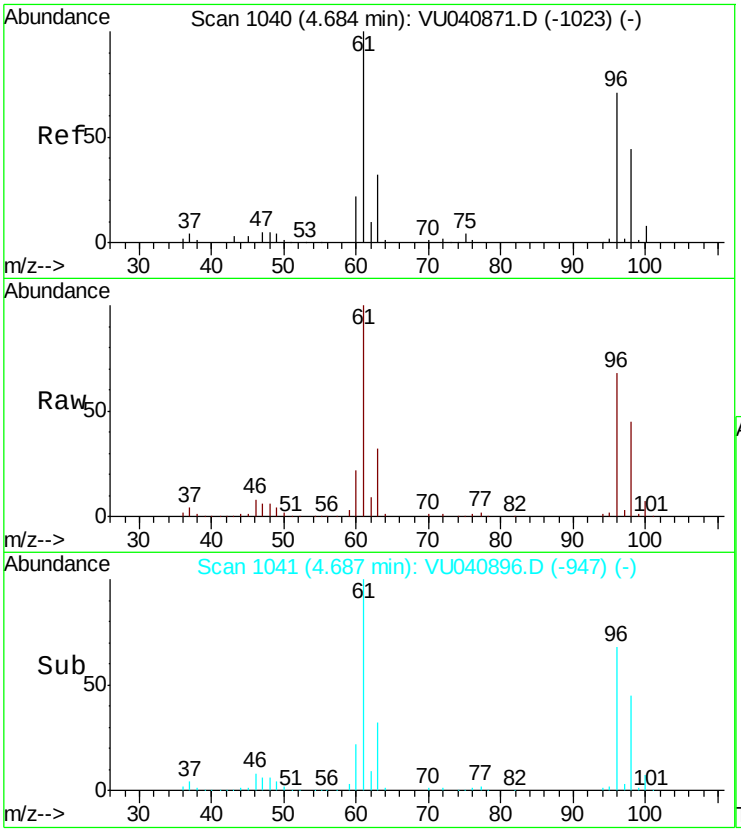




#18
trans-1,2-Dichloroethene
Concen: 0.140 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

Tgt Ion: 96 Resp: 2324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.4 | 107.9 | 200.3 |
| 98 | 80.2 | 47.5 | 88.1 |



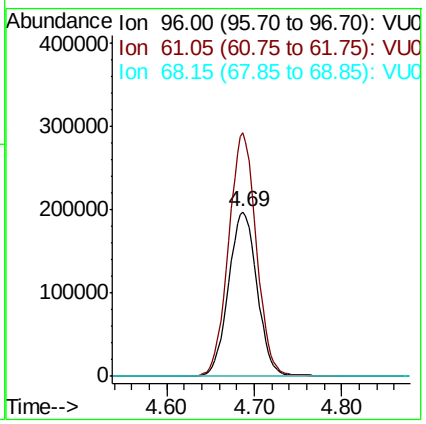


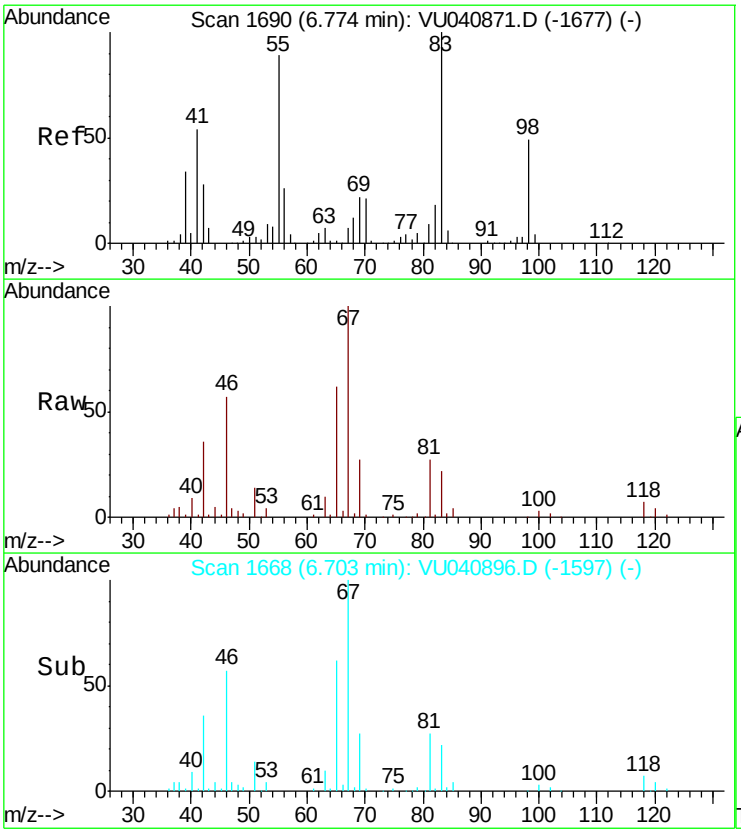

#22
cis-1,2-Dichloroethene
Concen: 24.528 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

**Instrument :** MSVOA_U
**ClientSampleId :** ETZ56DL

Tgt Ion: 96 Resp: 448653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.0 | 100.0 | 185.6 |
| 68 | 0.0 | 0.0 | 0.0 |

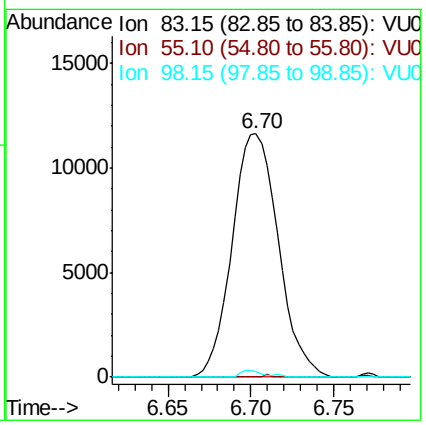


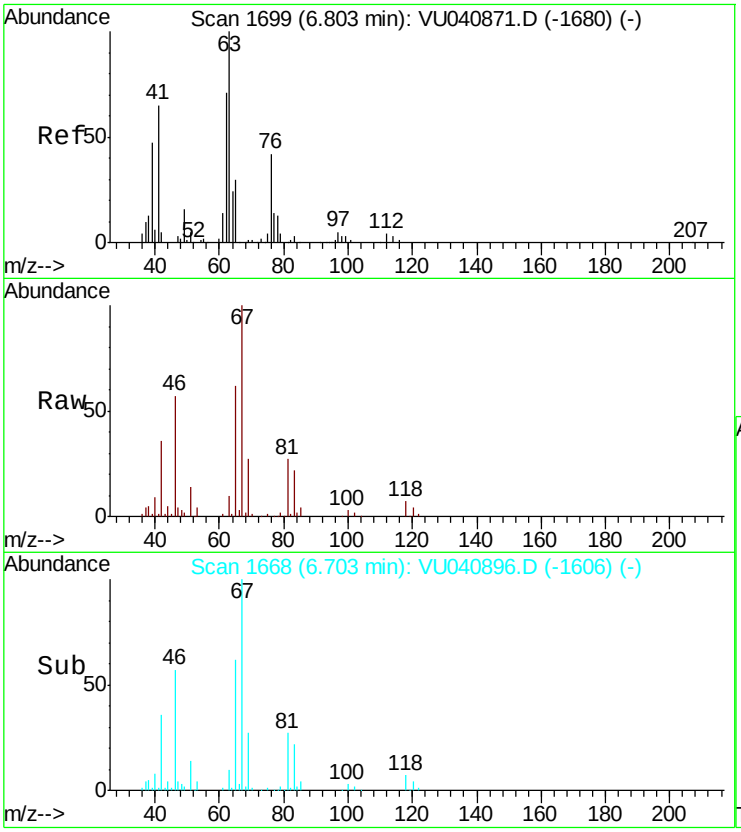




#35
Methylcyclohexane
Concen: 0.813 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

Tgt Ion: 83 Resp: 22644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.1 | 69.1 | 103.7# |
| 98 | 1.4 | 37.8 | 56.6# |



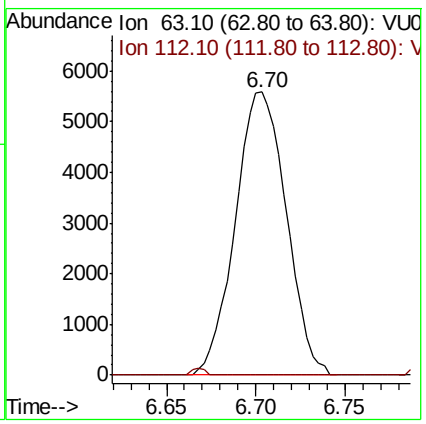


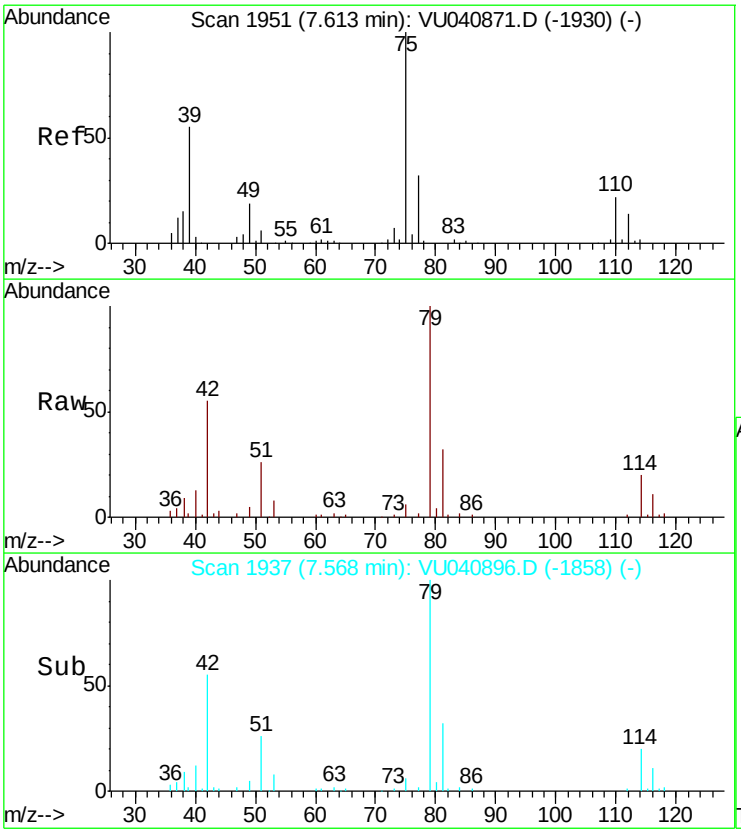

#37
1,2-Dichloropropane
Concen: 0.564 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETZ56DL

Tgt Ion: 63 Resp: 11127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.6 | 3.0 | 4.6# |

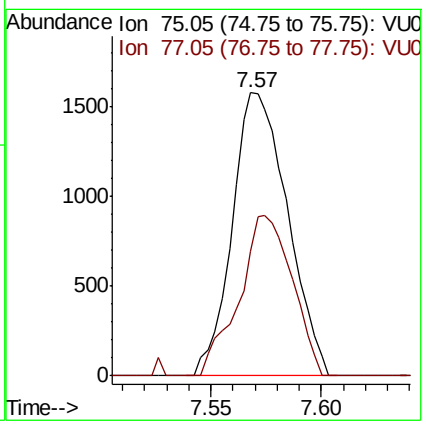


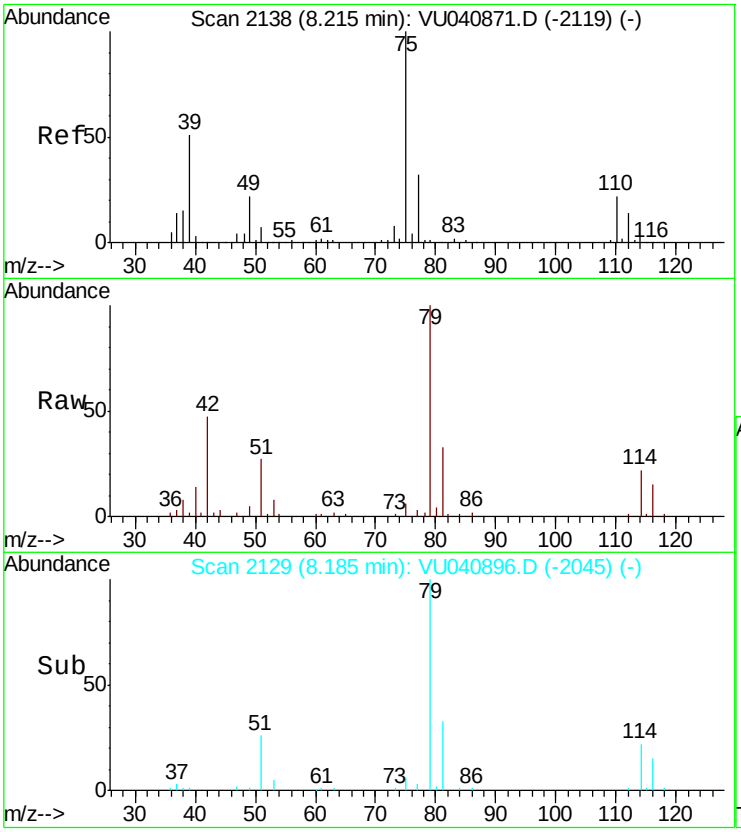




#39
cis-1,3-Dichloropropene
Concen: 0.104 ug/L
RT: 7.57 min Scan# 1937
Delta R.T. -0.05 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

Tgt Ion: 75 Resp: 2748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.9 | 21.6 | 40.2# |



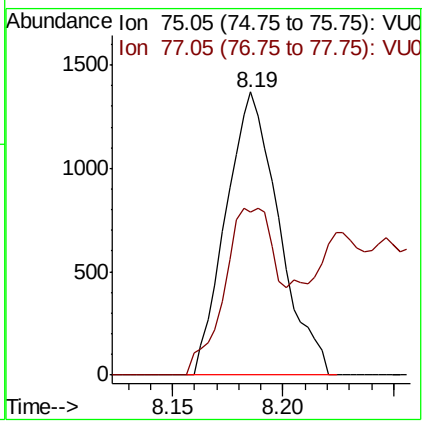


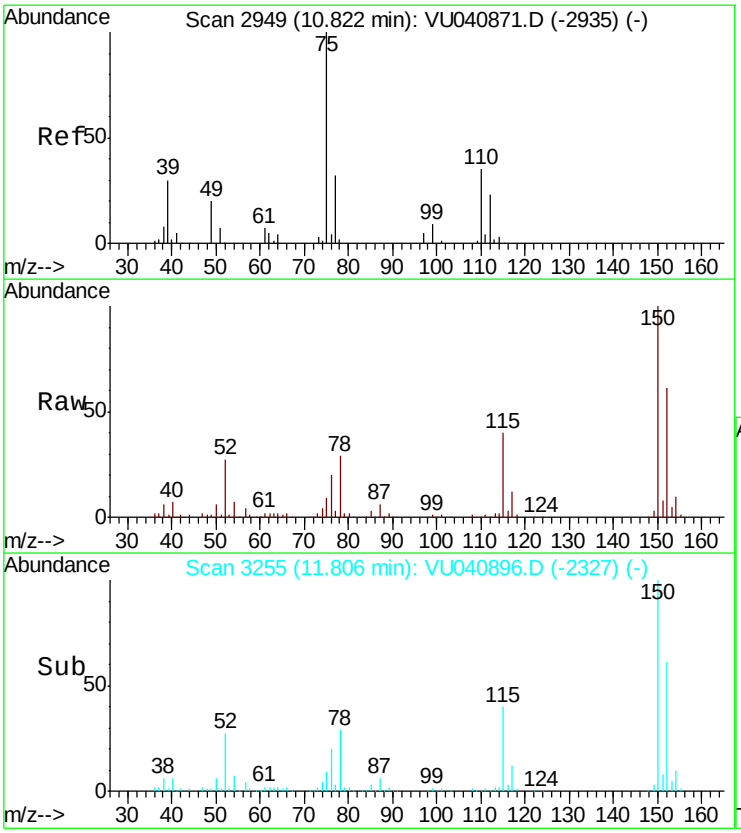

#44
trans-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

**Instrument :**
MSVOA_U
**ClientSampleId :**
ETZ56DL

Tgt Ion: 75 Resp: 2279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 57.6 | 22.6 | 42.0# |




#59
1,2,3-Trichloropropane
Concen: 1.068 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040896.D
Acq: 22 Oct 2020 00:28

Tgt Ion: 75 Resp: 13700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.8 | 27.5 | 41.3 |