Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071519\

Quantitation Report (Not Reviewed)

Data File : VU033251.D
Acq On : 15 Jul 2019 12:11
Operator : JC/SP
Sample : K3785-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0XL7

Quant Time: Jul 16 01:49:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 01:46:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 297440 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 294097 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152 | 128812 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 119382 | 53.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 106.04% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 105674 | 54.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 109.88% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 151670 | 37.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 74.28% | | | |
| 21) 2-Butanone-d5 | 4.15 | 46 | 141824 | 99.41 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 99.41% | | | |
| 24) Chloroform-d | 4.62 | 84 | 188504 | 49.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 99.92% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.29 | 65 | 131315 | 54.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 108.52% | | | |
| 32) Benzene-d6 | 5.32 | 84 | 397755 | 55.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 110.26% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 128859 | 55.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 111.52% | | | |
| 41) Toluene-d8 | 7.55 | 98 | 355425 | 52.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.48% | | | |
| 43) trans-1,3-Dichloropropene- | 7.83 | 79 | 58236 | 51.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 102.78% | | | |
| 47) 2-Hexanone-d5 | 8.29 | 63 | 118905 | 114.12 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 114.12% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 188698 | 53.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 107.90% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 131528 | 57.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 114.52% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 9) Trichlorofluoromethane | 1.87 | 101 | 67914 | 15.387 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.25 | 101 | 1313 | 0.647 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.25 | 96 | 1110 | 0.559 | ug/L # | 1 |
| 13) Acetone | 2.31 | 43 | 1578 | 0.885 | ug/L | 63 |
| 25) Chloroform | 4.65 | 83 | 10977 | 2.617 | ug/L | 96 |
| 34) Trichloroethene | 6.17 | 95 | 5327 | 2.375 | ug/L | 93 |
| 37) 1,2-Dichloropropane | 6.31 | 63 | 13850 | 5.955 | ug/L # | 89 |
| 39) cis-1,3-Dichloropropene | 7.21 | 75 | 3680 | 1.032 | ug/L # | 74 |
| 44) trans-1,3-Dichloropropene | 7.83 | 75 | 2592 | 0.806 | ug/L | 84 |
| 46) Tetrachloroethene | 8.21 | 164 | 114831 | 66.132 | ug/L | 98 |
| 48) 2-Hexanone | 8.35 | 43 | 3047 | 1.199 | ug/L # | 59 |
| 59) 1,2,3-Trichloropropane | 11.47 | 75 | 15801 | 5.218 | ug/L | 92 |

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

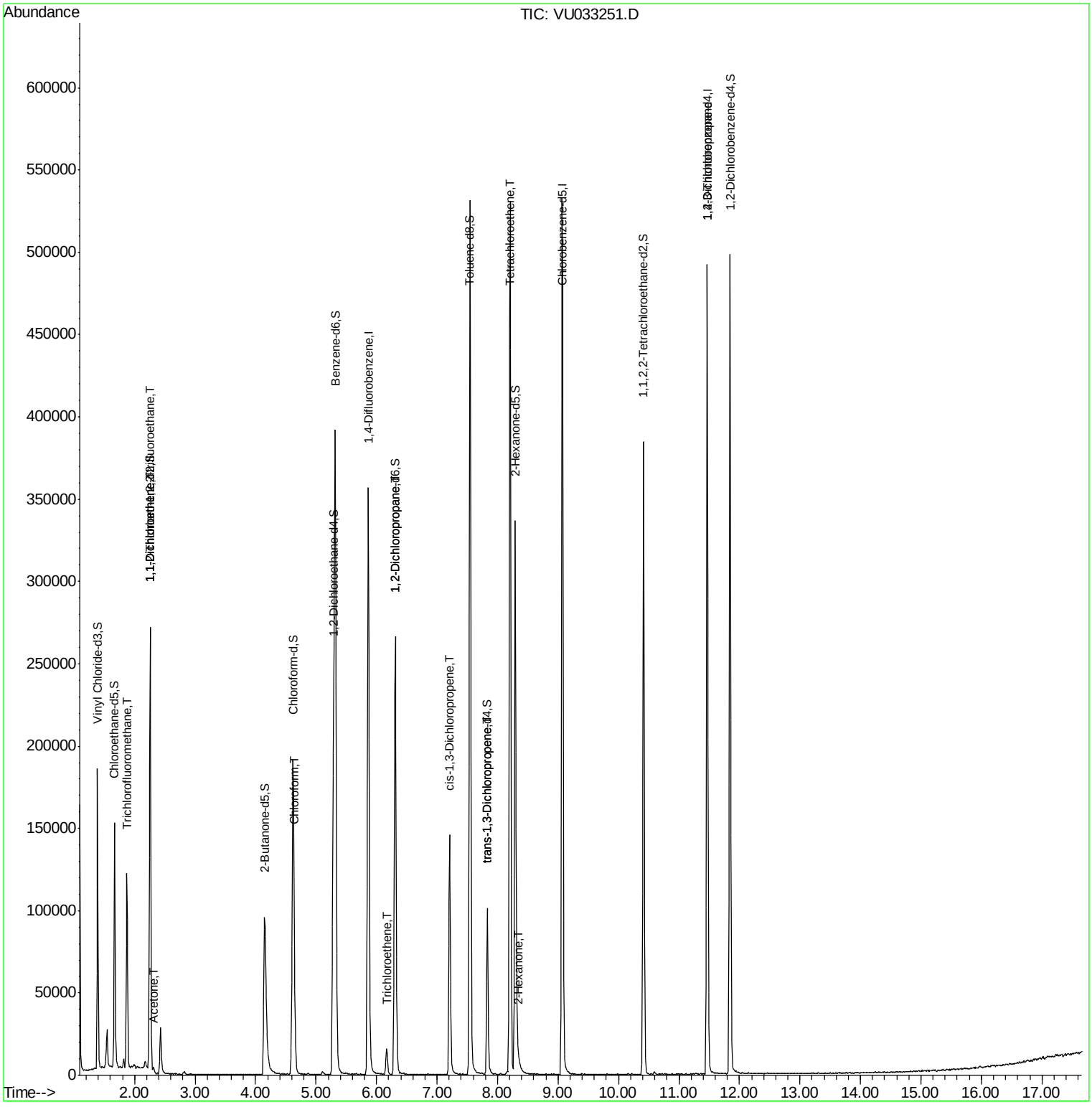
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071519\

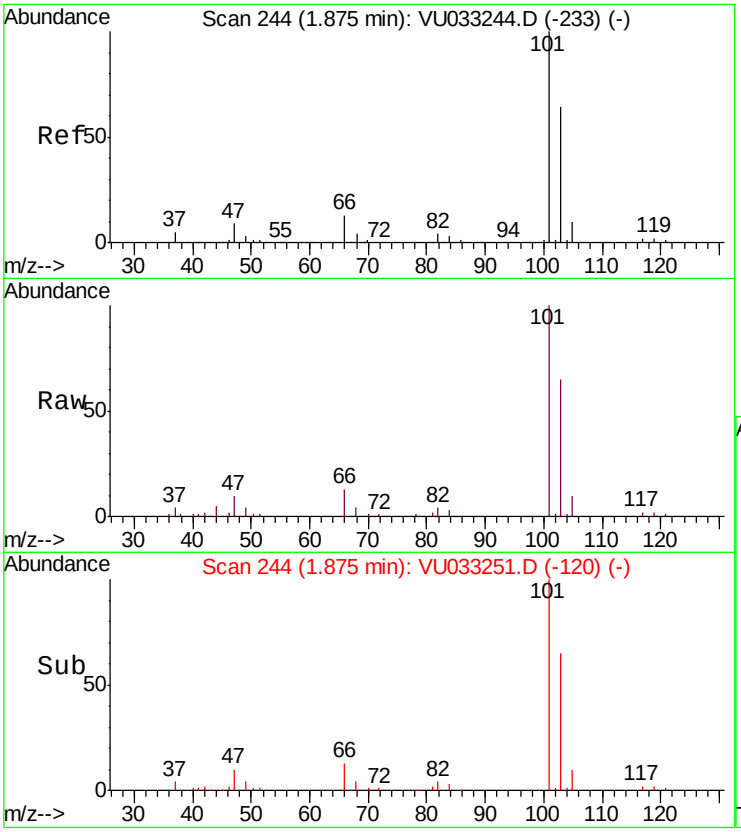
Quantitation Report (Not Reviewed)

Data File : VU033251.D
Acq On : 15 Jul 2019 12:11
Operator : JC/SP
Sample : K3785-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0XL7

Quant Time: Jul 16 01:49:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 01:46:18 2019
Response via : Initial Calibration



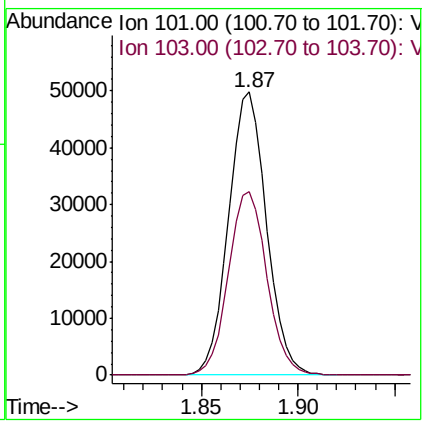


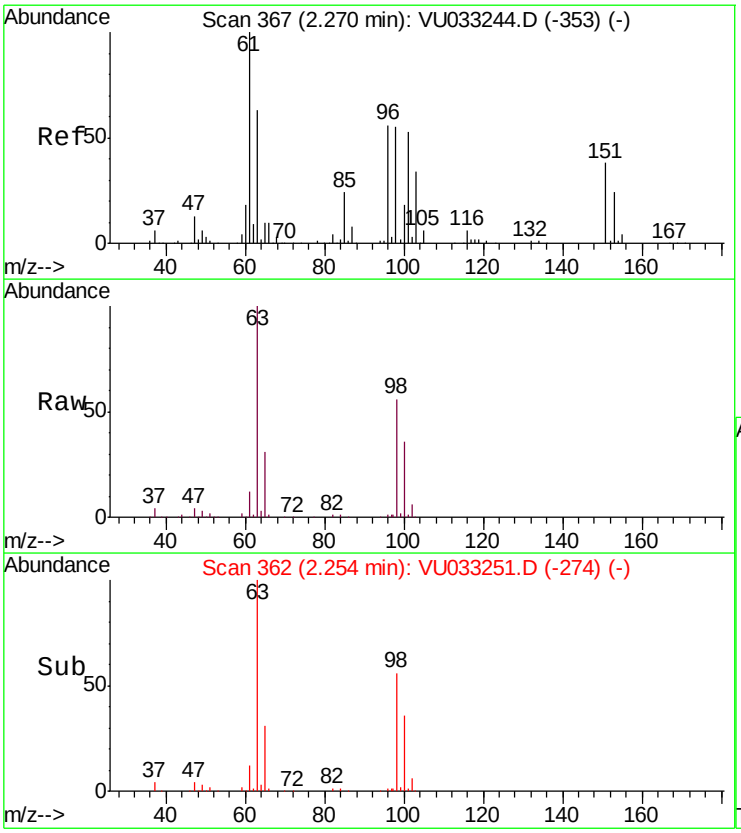

#9
Trichlorofluoromethane
Concen: 15.387 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

**Instrument :** MSVOA_U
**ClientSampleId :** C0XL7

Tgt Ion:101 Resp: 67914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.9 | 52.2 | 78.4 |

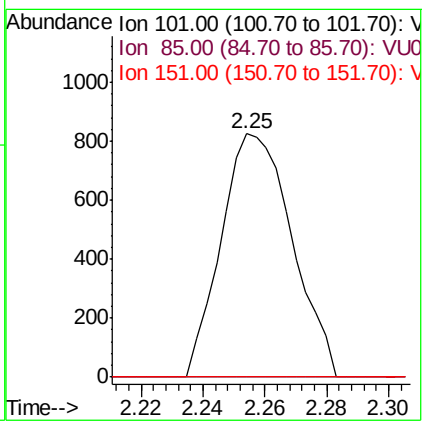


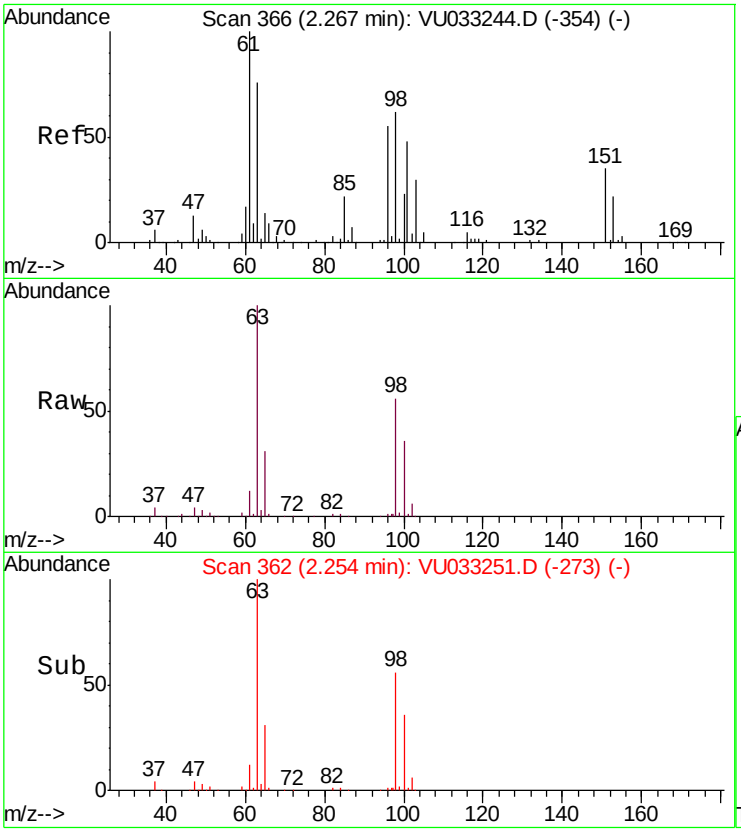




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.647 ug/L
RT: 2.25 min Scan# 362
Delta R.T. -0.02 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

Tgt Ion:101 Resp: 1313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.8 | 53.8# |
| 151 | 0.0 | 56.7 | 85.1# |



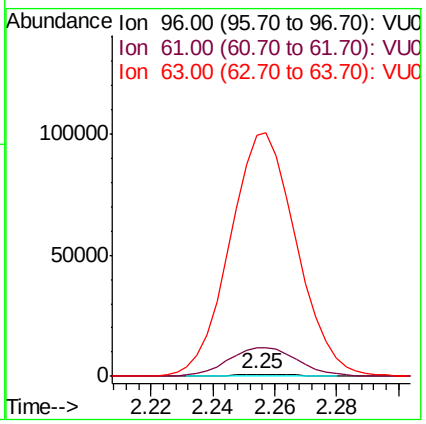


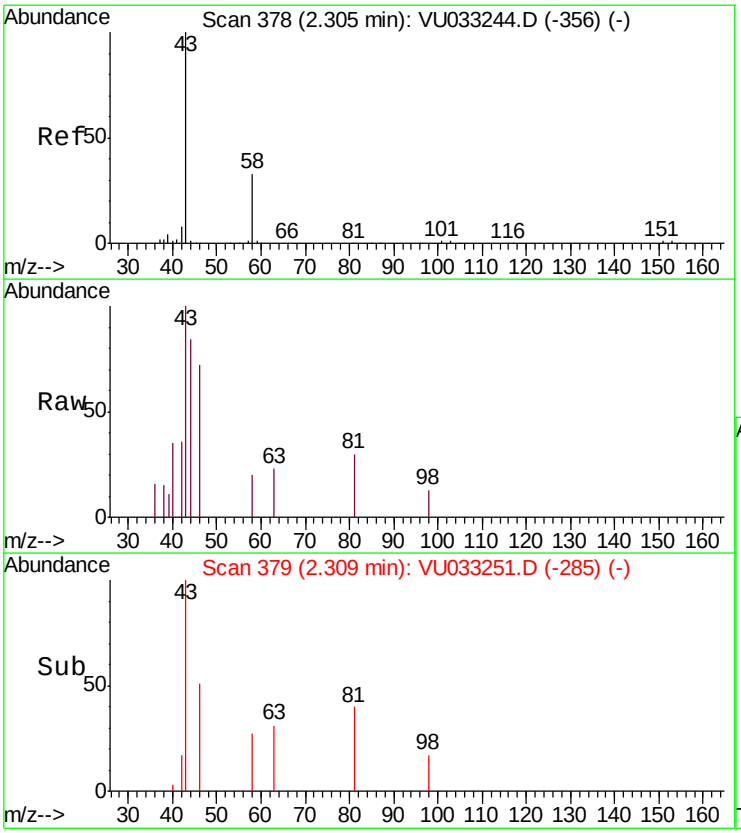

#12
1,1-Dichloroethene
Concen: 0.559 ug/L
RT: 2.25 min Scan# 362
Delta R.T. -0.01 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

**Instrument :** MSVOA_U
**ClientSampleId :** C0XL7

Tgt Ion: 96 Resp: 1110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1559.5 | 126.1 | 234.1# |
| 63 | 12864.3 | 96.8 | 179.8# |

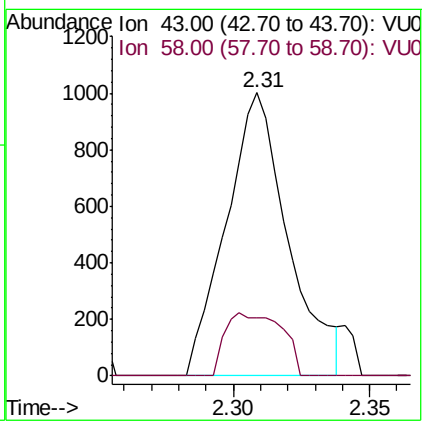


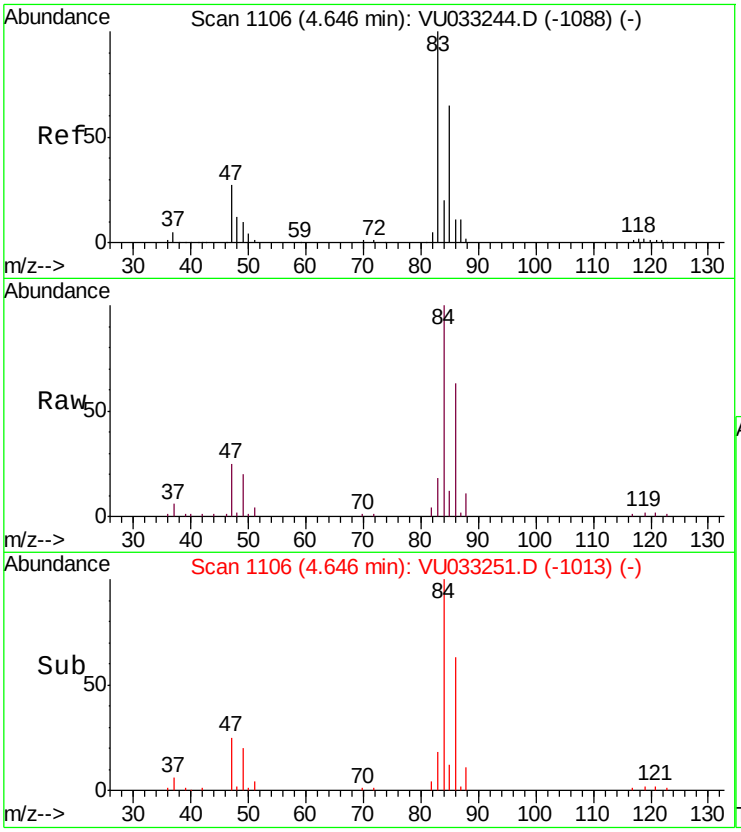




#13
Acetone
Concen: 0.885 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

Tgt Ion: 43 Resp: 1578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.9 | 0.0 | 65.4 |



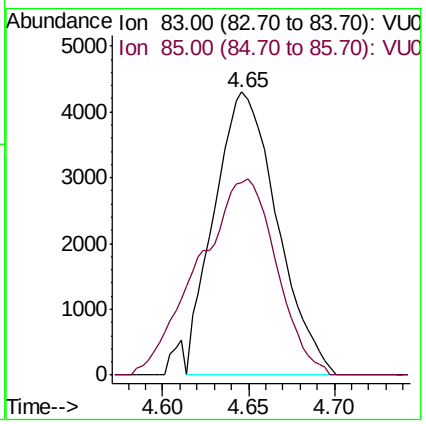


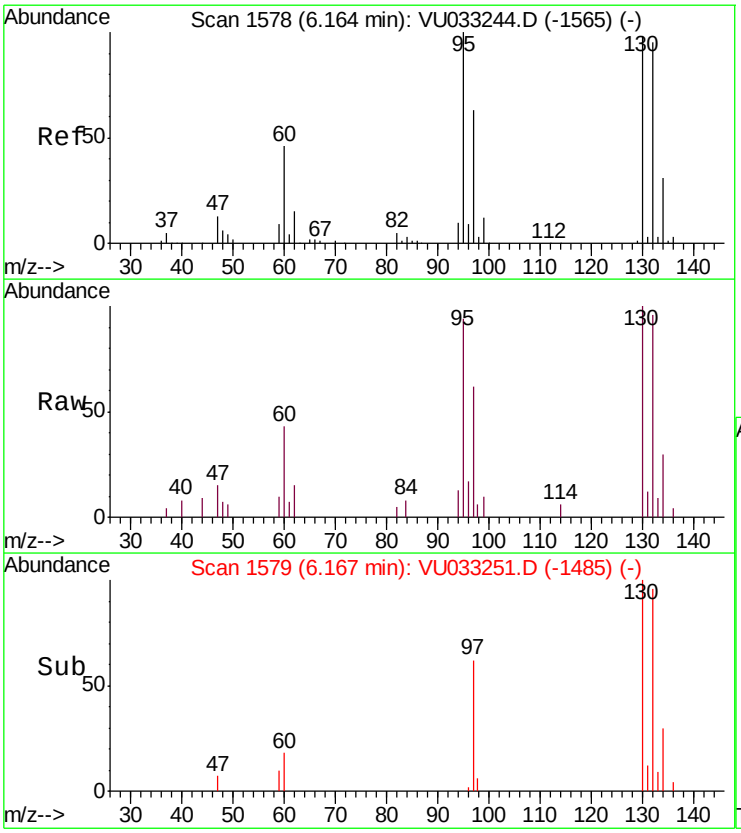

#25
Chloroform
Concen: 2.617 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0XL7

Tgt Ion: 83 Resp: 10977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.1 | 45.4 | 84.4 |

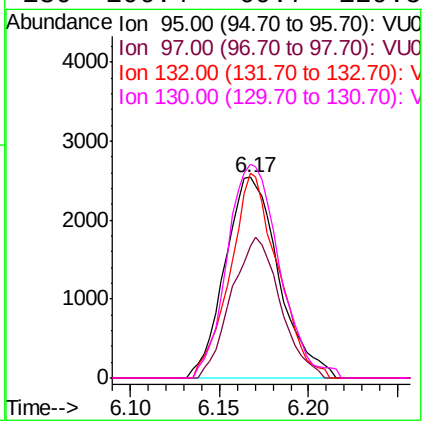


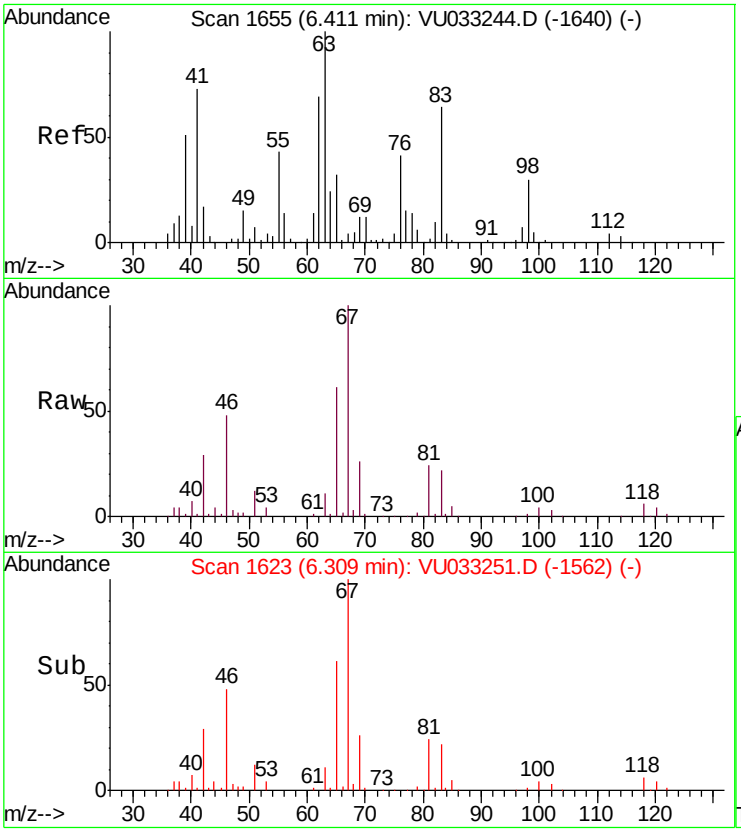




#34
Trichloroethene
Concen: 2.375 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

Tgt Ion: 95 Resp: 5327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 66.0 | 43.8 | 81.4 |
| 132 | 102.3 | 65.5 | 121.6 |
| 130 | 106.4 | 69.7 | 129.5 |



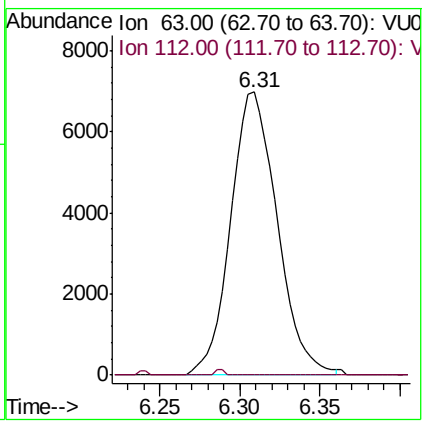


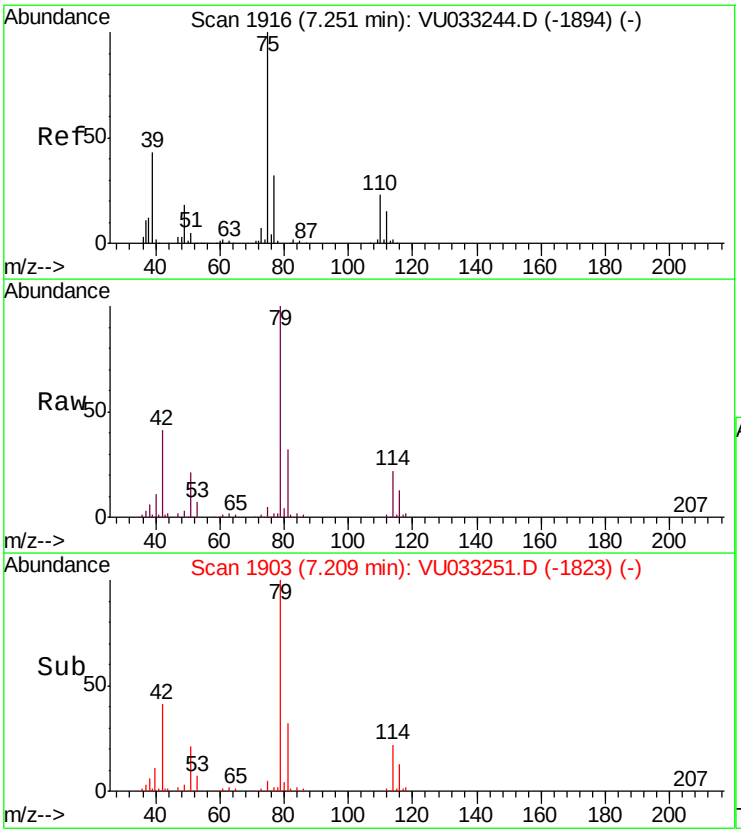

#37
1,2-Dichloropropane
Concen: 5.955 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

**Instrument :** MSVOA_U
**ClientSampleId :** C0XL7

Tgt Ion: 63 Resp: 13850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.4 | 3.2 | 4.8# |

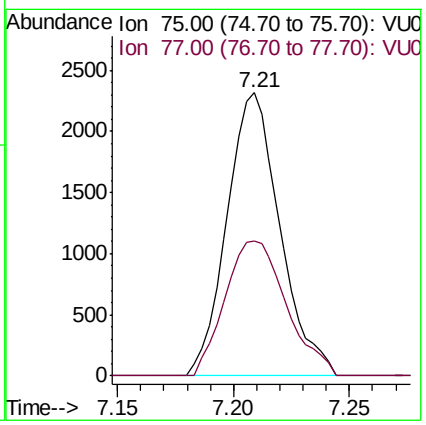


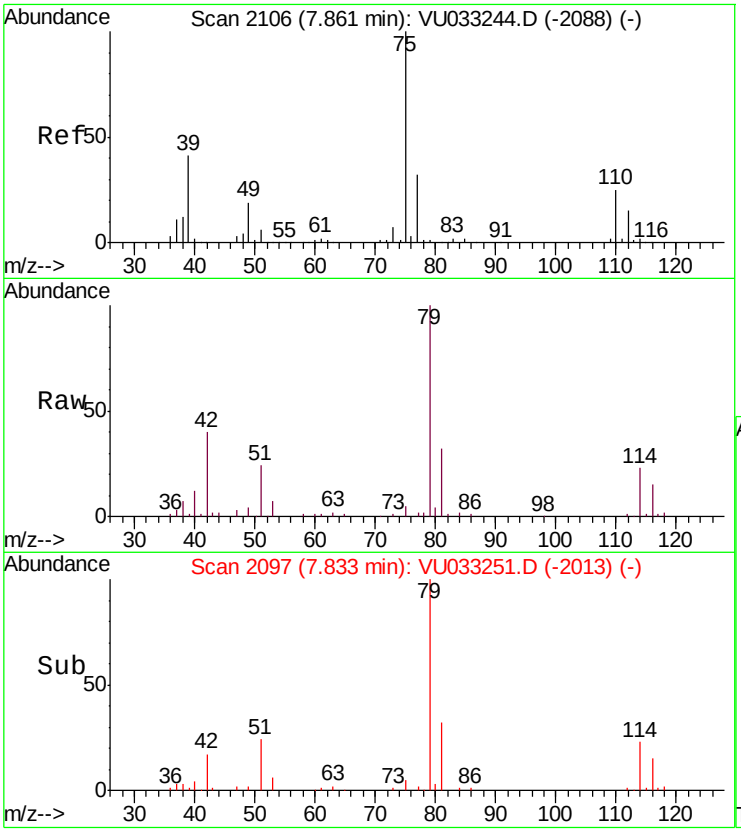




#39
cis-1,3-Dichloropropene
Concen: 1.032 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

Tgt Ion: 75 Resp: 3680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 47.5 | 23.1 | 42.9# |



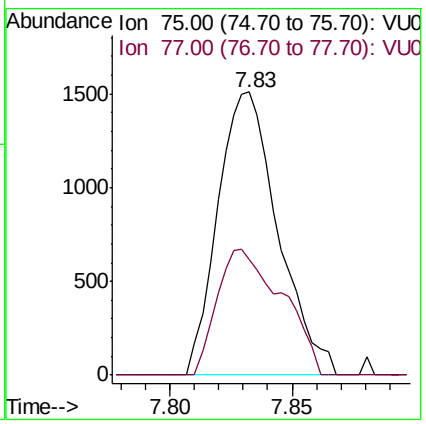


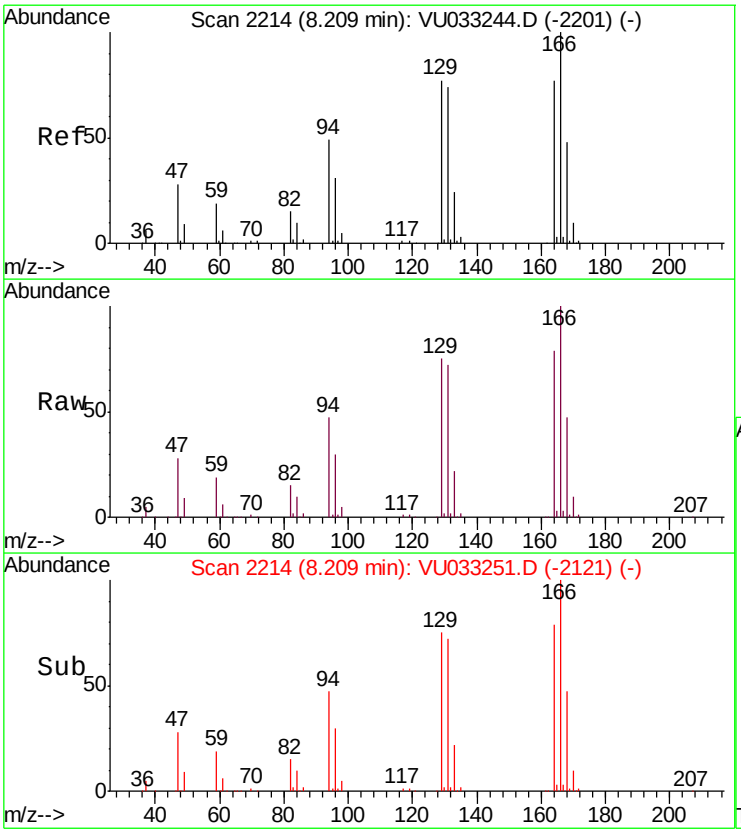

#44
trans-1,3-Dichloropropene
Concen: 0.806 ug/L
RT: 7.83 min Scan# 2097
Delta R.T. -0.03 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0XL7

Tgt Ion: 75 Resp: 2592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.8 | 22.4 | 41.6 |

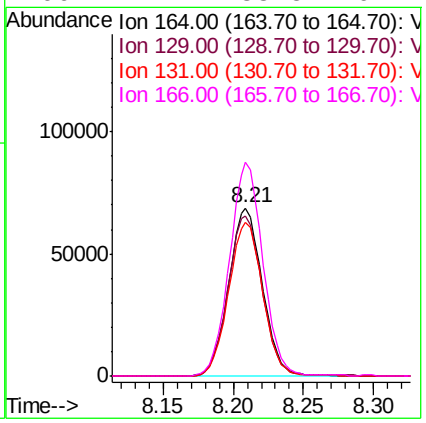


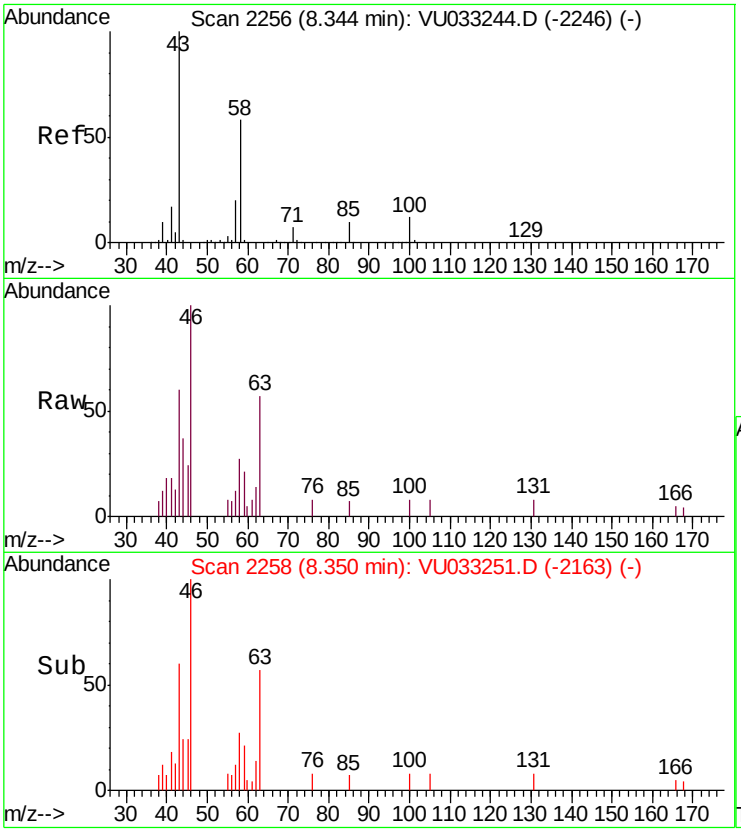




#46
Tetrachloroethene
Concen: 66.132 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

Tgt Ion:164 Resp: 114831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 95.6 | 69.6 | 129.2 |
| 131 | 91.8 | 65.7 | 122.1 |
| 166 | 127.2 | 88.5 | 164.4 |



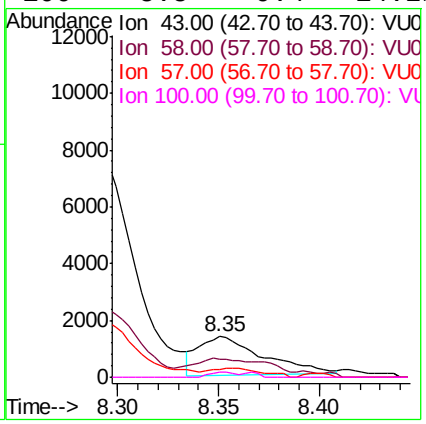


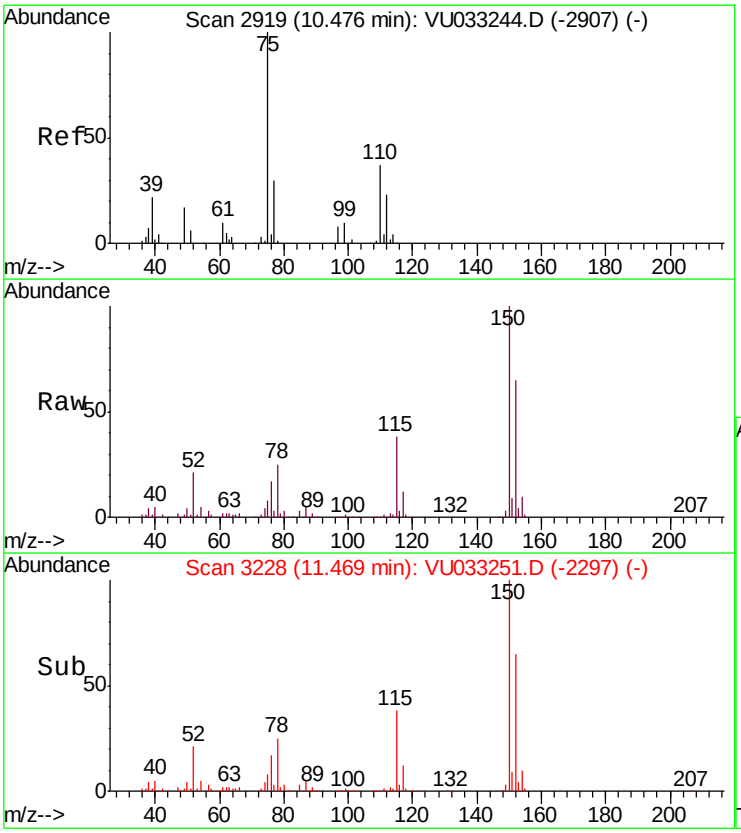

#48
2-Hexanone
Concen: 1.199 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

**Instrument :** MSVOA_U
**ClientSampleId :** C0XL7

Tgt Ion: 43 Resp: 3047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 18.6 | 46.1 | 69.1# |
| 57 | 9.0 | 15.8 | 23.8# |
| 100 | 5.5 | 9.4 | 14.2# |




#59
1,2,3-Trichloropropane
Concen: 5.218 ug/L
RT: 11.47 min Scan# 3228
Delta R.T. 0.99 min
Lab File: VU033251.D
Acq: 15 Jul 2019 12:11

Tgt Ion: 75 Resp: 15801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.3 | 26.0 | 39.0 |