Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072619\

Quantitation Report (Not Reviewed)

Data File : VU033443.D
Acq On : 26 Jul 2019 11:21
Operator : JC/SP
Sample : K3982-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VHBLK01

Quant Time: Jul 27 02:00:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 256734 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 266555 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152 | 114566 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 95760 | 49.27 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 98.54% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 93964 | 56.59 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 113.18% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 160764 | 45.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 91.20% | | | |
| 21) 2-Butanone-d5 | 4.15 | 46 | 153270 | 124.47 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 124.47% | | | |
| 24) Chloroform-d | 4.62 | 84 | 177449 | 54.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 108.96% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.29 | 65 | 124860 | 59.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 119.54% | | | |
| 32) Benzene-d6 | 5.32 | 84 | 358980 | 54.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 109.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 118979 | 56.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 113.60% | | | |
| 41) Toluene-d8 | 7.55 | 98 | 311925 | 50.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.16% | | | |
| 43) trans-1,3-Dichloropropene- | 7.83 | 79 | 52058 | 50.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 101.36% | | | |
| 47) 2-Hexanone-d5 | 8.30 | 63 | 102324 | 108.36 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 108.36% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 182447 | 57.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 115.10% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 121979 | 59.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 119.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26 | 101 | 1389 | 0.793 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.25 | 96 | 1259 | 0.735 | ug/L # | 1 |
| 25) Chloroform | 4.65 | 83 | 9802 | 2.707 | ug/L | 94 |
| 34) Trichloroethene | 6.17 | 95 | 2125 | 1.045 | ug/L | 87 |
| 39) cis-1,3-Dichloropropene | 7.20 | 75 | 3292 | 1.018 | ug/L | 86 |
| 44) trans-1,3-Dichloropropene | 7.84 | 75 | 2479 | 0.850 | ug/L | 97 |
| 59) 1,2,3-Trichloropropane | 11.47 | 75 | 14547 | 5.301 | ug/L | 94 |

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

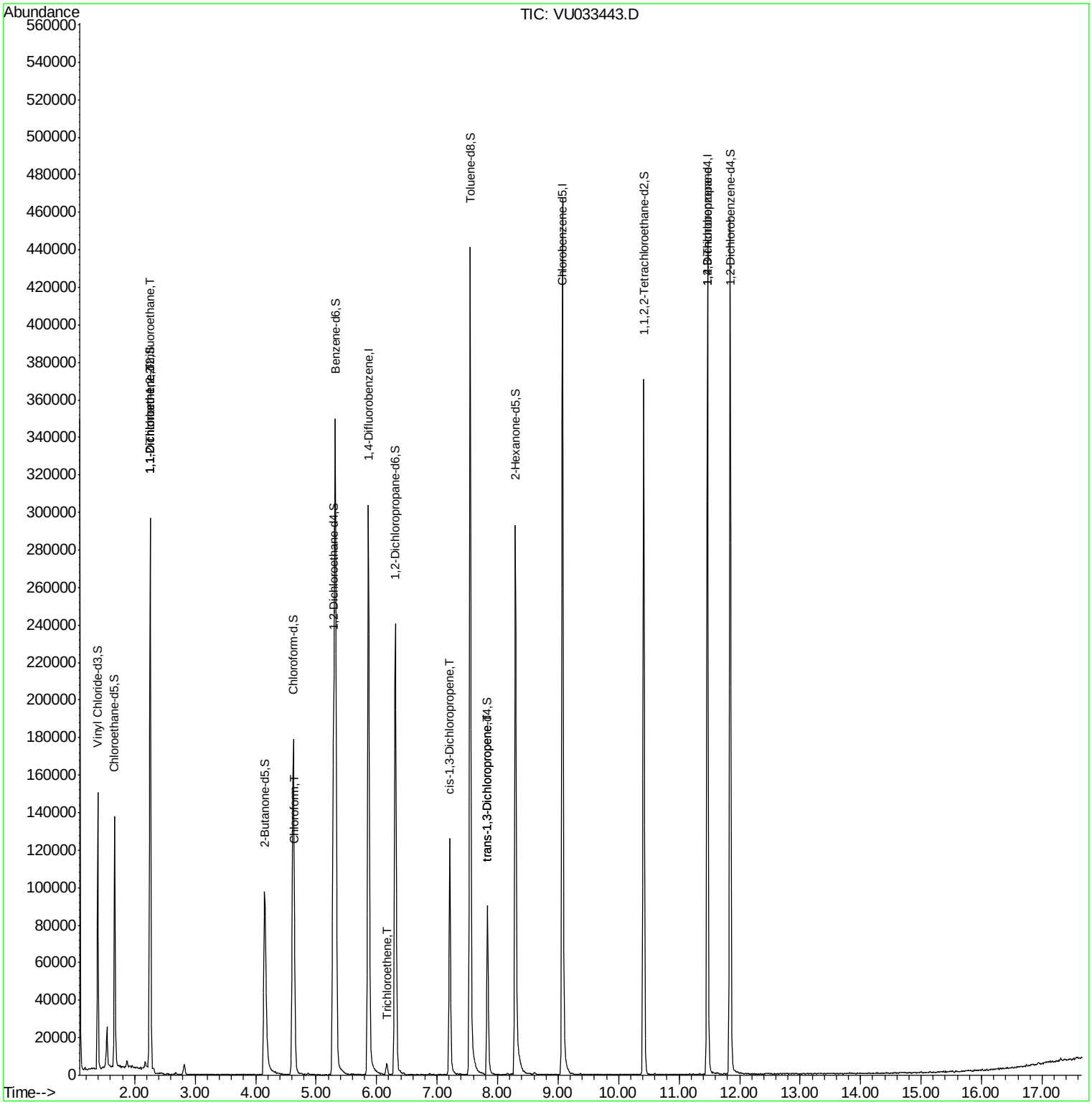
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072619\

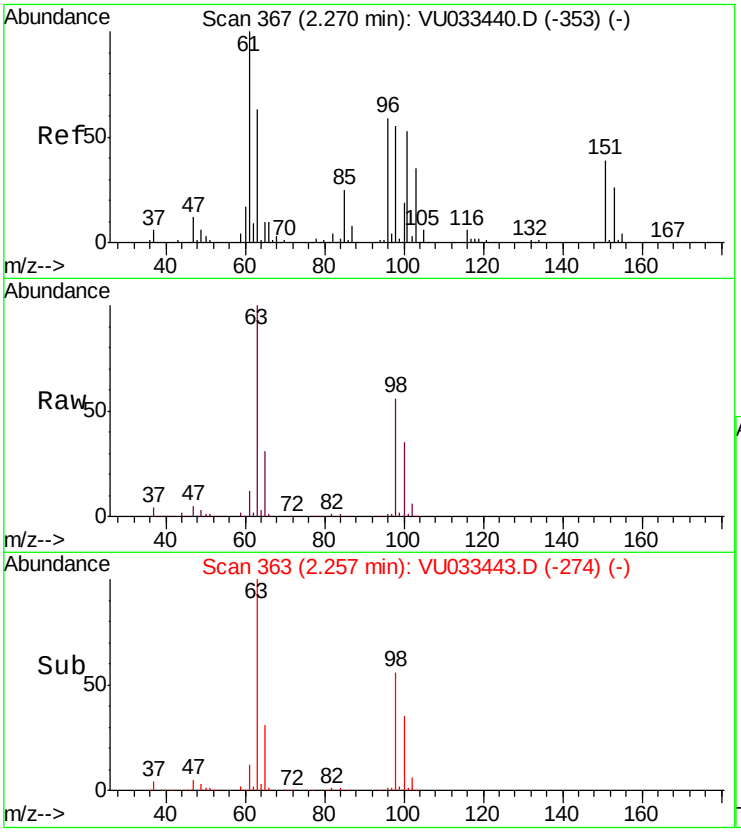
Quantitation Report (Not Reviewed)

Data File : VU033443.D
Acq On : 26 Jul 2019 11:21
Operator : JC/SP
Sample : K3982-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VHBLK01

Quant Time: Jul 27 02:00:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration



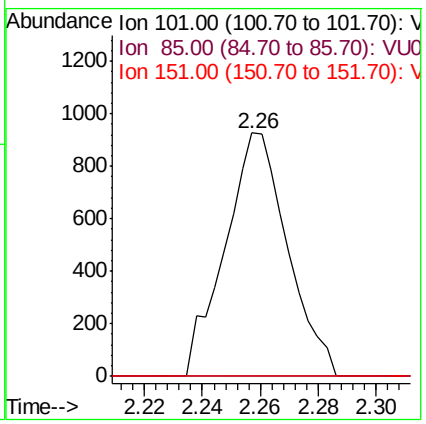


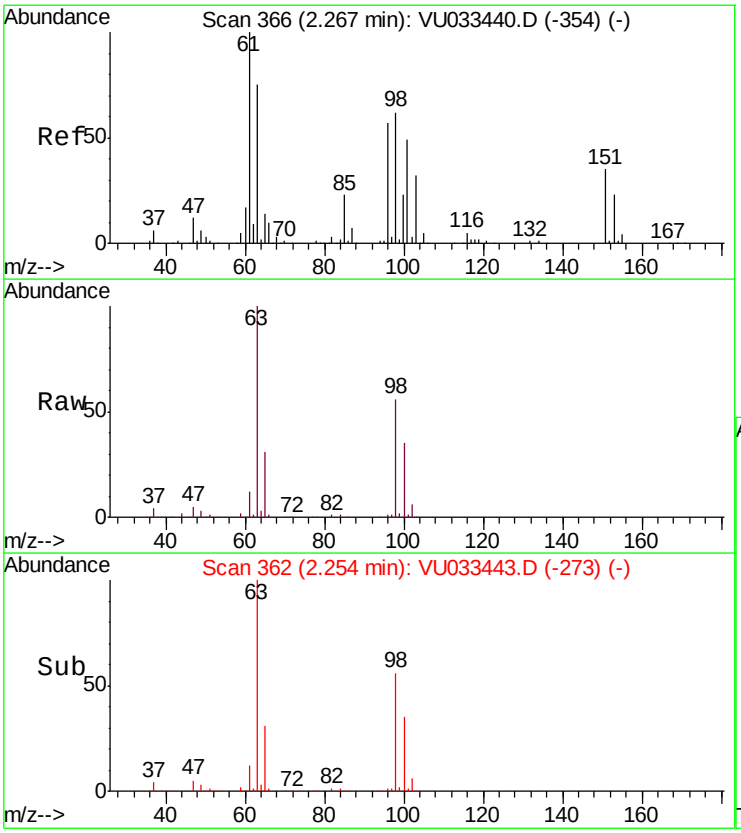

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.793 ug/L
RT: 2.26 min Scan# 363
Delta R.T. -0.01 min
Lab File: VU033443.D
Acq: 26 Jul 2019 11:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VHBLK01

Tgt Ion:101 Resp: 1389

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

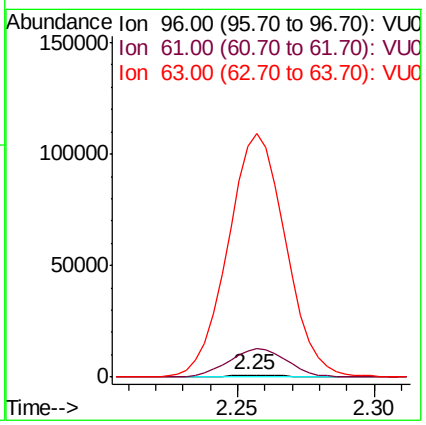


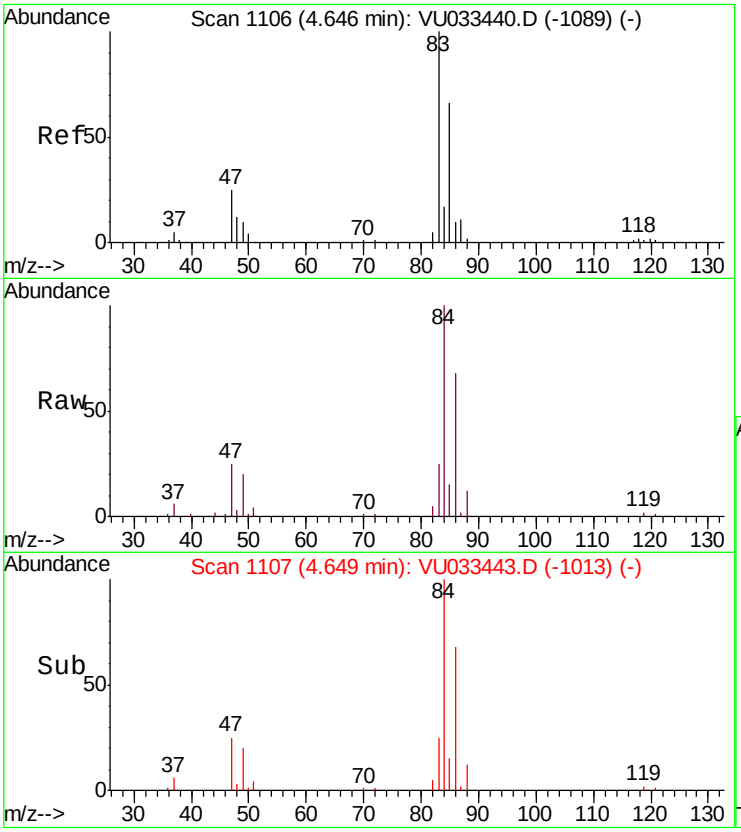




#12
1,1-Dichloroethene
Concen: 0.735 ug/L
RT: 2.25 min Scan# 362
Delta R.T. -0.01 min
Lab File: VU033443.D
Acq: 26 Jul 2019 11:21

Tgt Ion: 96 Resp: 1259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1537.7 | 126.1 | 234.1# |
| 63 | 13346.7 | 96.8 | 179.8# |



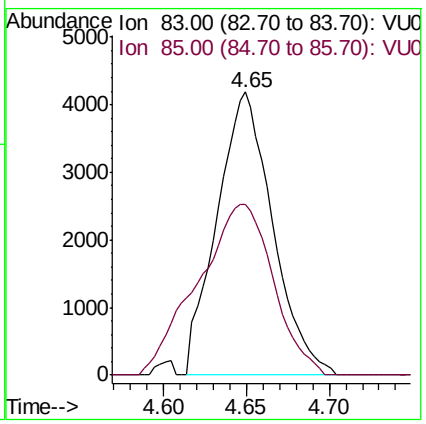


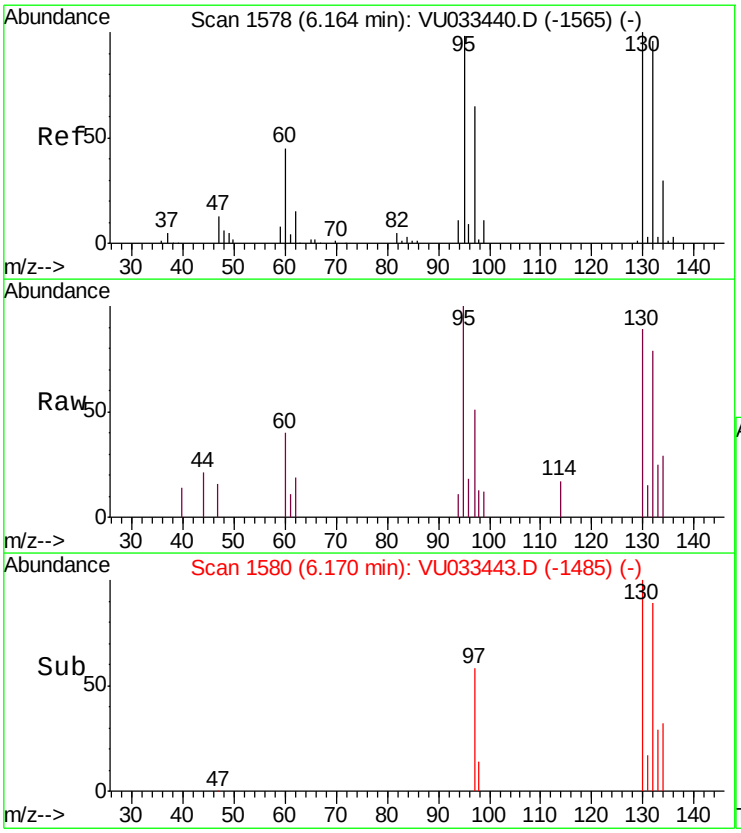

#25
Chloroform
Concen: 2.707 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033443.D
Acq: 26 Jul 2019 11:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VHBLK01

Tgt Ion: 83 Resp: 9802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.2 | 45.4 | 84.4 |

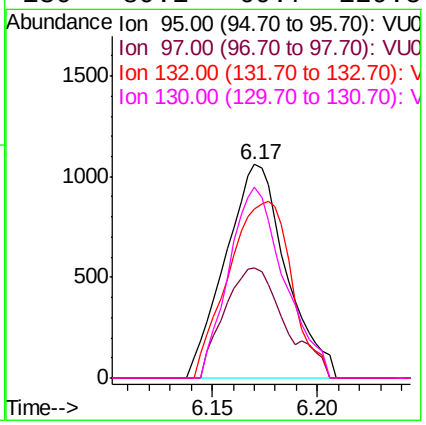


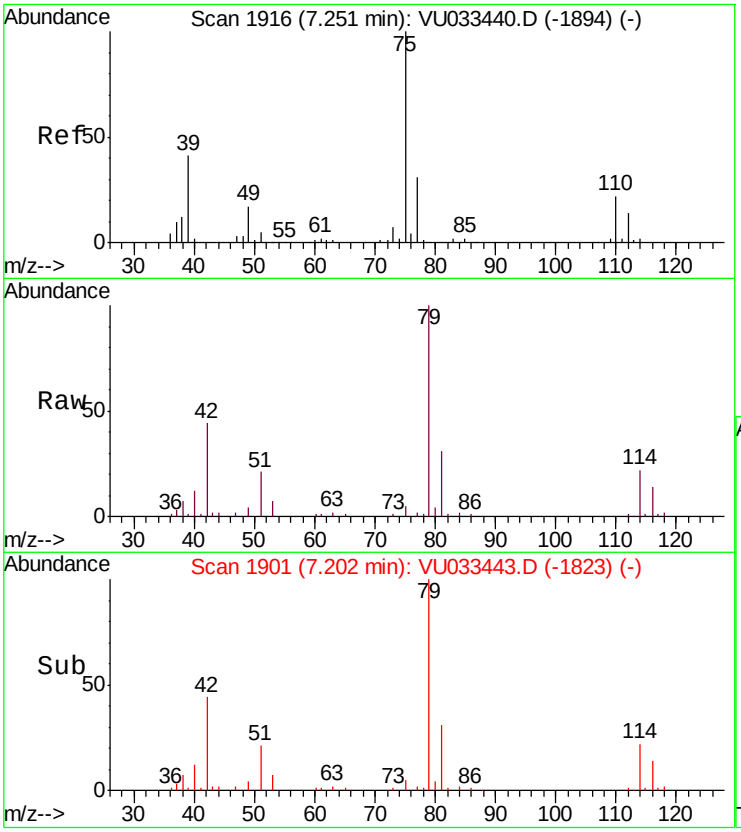




#34
Trichloroethene
Concen: 1.045 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VU033443.D
Acq: 26 Jul 2019 11:21

Tgt Ion: 95 Resp: 2125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 51.4 | 43.8 | 81.4 |
| 132 | 78.9 | 65.5 | 121.6 |
| 130 | 89.1 | 69.7 | 129.5 |



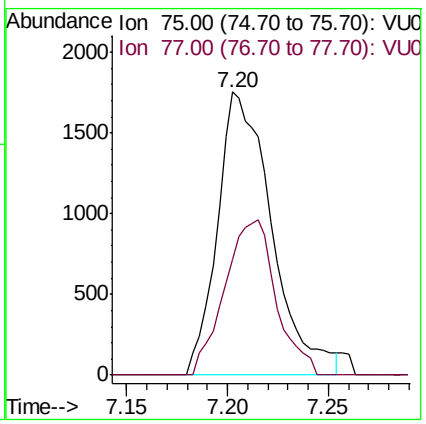


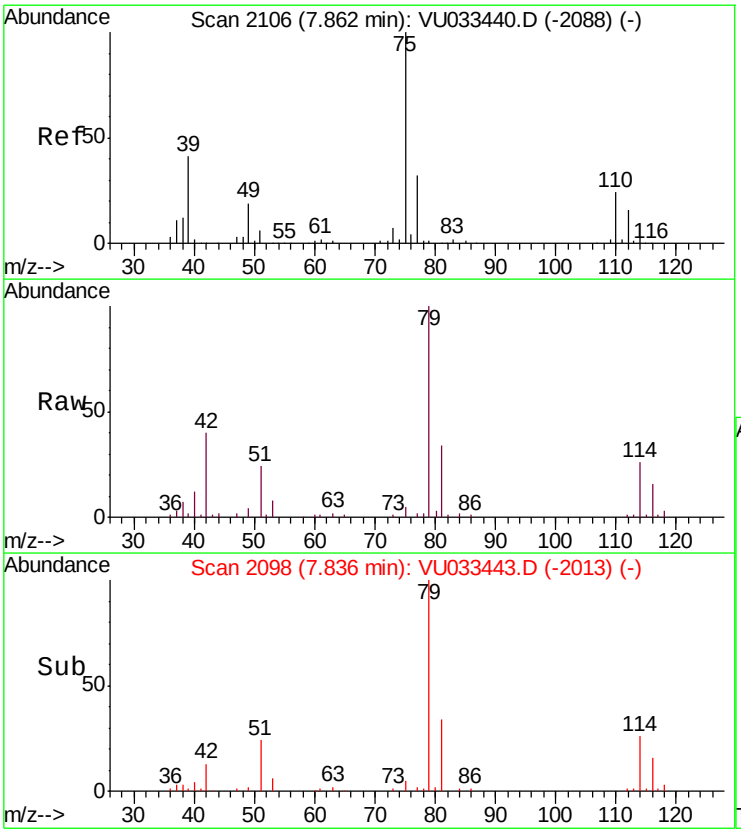

#39
cis-1,3-Dichloropropene
Concen: 1.018 ug/L
RT: 7.20 min Scan# 1901
Delta R.T. -0.05 min
Lab File: VU033443.D
Acq: 26 Jul 2019 11:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VHBLK01

Tgt Ion: 75 Resp: 3292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.0 | 23.1 | 42.9 |

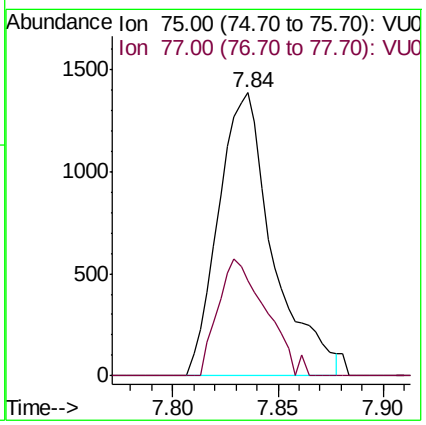


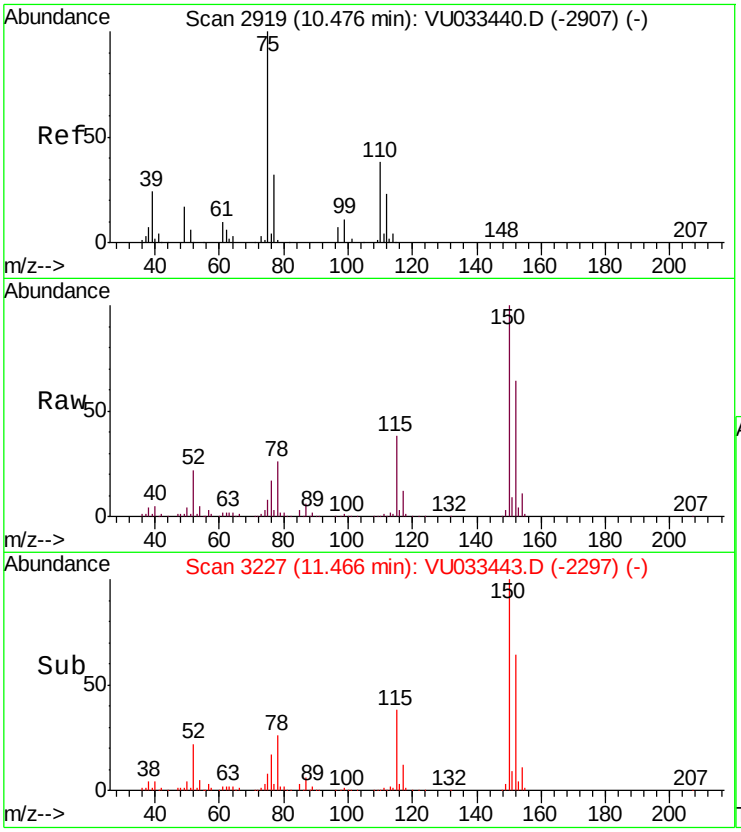




#44
trans-1,3-Dichloropropene
Concen: 0.850 ug/L
RT: 7.84 min Scan# 2098
Delta R.T. -0.03 min
Lab File: VU033443.D
Acq: 26 Jul 2019 11:21

Tgt Ion: 75 Resp: 2479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.5 | 22.4 | 41.6 |






#59
1,2,3-Trichloropropane
Concen: 5.301 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033443.D
Acq: 26 Jul 2019 11:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VHBLK01

Tgt Ion: 75 Resp: 14547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.0 | 26.0 | 39.0 |