Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\

Quantitation Report (Not Reviewed)

Data File : VU031679.D
Acq On : 01 May 2019 13:10
Operator : JC/SP
Sample : K2593-13DL 2000X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0X79DL

Quant Time: May 02 02:27:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 935260 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 902789 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 422593 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 257449 | 32.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 65.78% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 231755 | 38.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 76.62% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 418980 | 26.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 53.76%# | | | |
| 21) 2-Butanone-d5 | 4.19 | 46 | 727787 | 102.62 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 102.62% | | | |
| 24) Chloroform-d | 4.64 | 84 | 547231 | 38.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 76.34% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 379544 | 40.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 81.04% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 1138843 | 41.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 82.16% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 413185 | 42.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 84.72% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 981952 | 40.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 81.34% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 179281 | 42.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 85.64% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 472540 | 111.94 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 111.94% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 565721 | 43.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 86.44% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 380769 | 42.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 85.68% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 34) Trichloroethene | 6.18 | 95 | 467468 | 58.101 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 6204 | 0.549 | ug/L # | 80 |
| 46) Tetrachloroethene | 8.23 | 164 | 5597 | 1.020 | ug/L | 90 |
| 48) 2-Hexanone | 8.31 | 43 | 56486 | 4.817 | ug/L # | 73 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 58266 | 5.215 | ug/L | 94 |
| 69) Naphthalene | 13.75 | 128 | 68759 | 2.431 | ug/L | 98 |

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

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Quantitation Report (Not Reviewed)

Data File : VU031679.D
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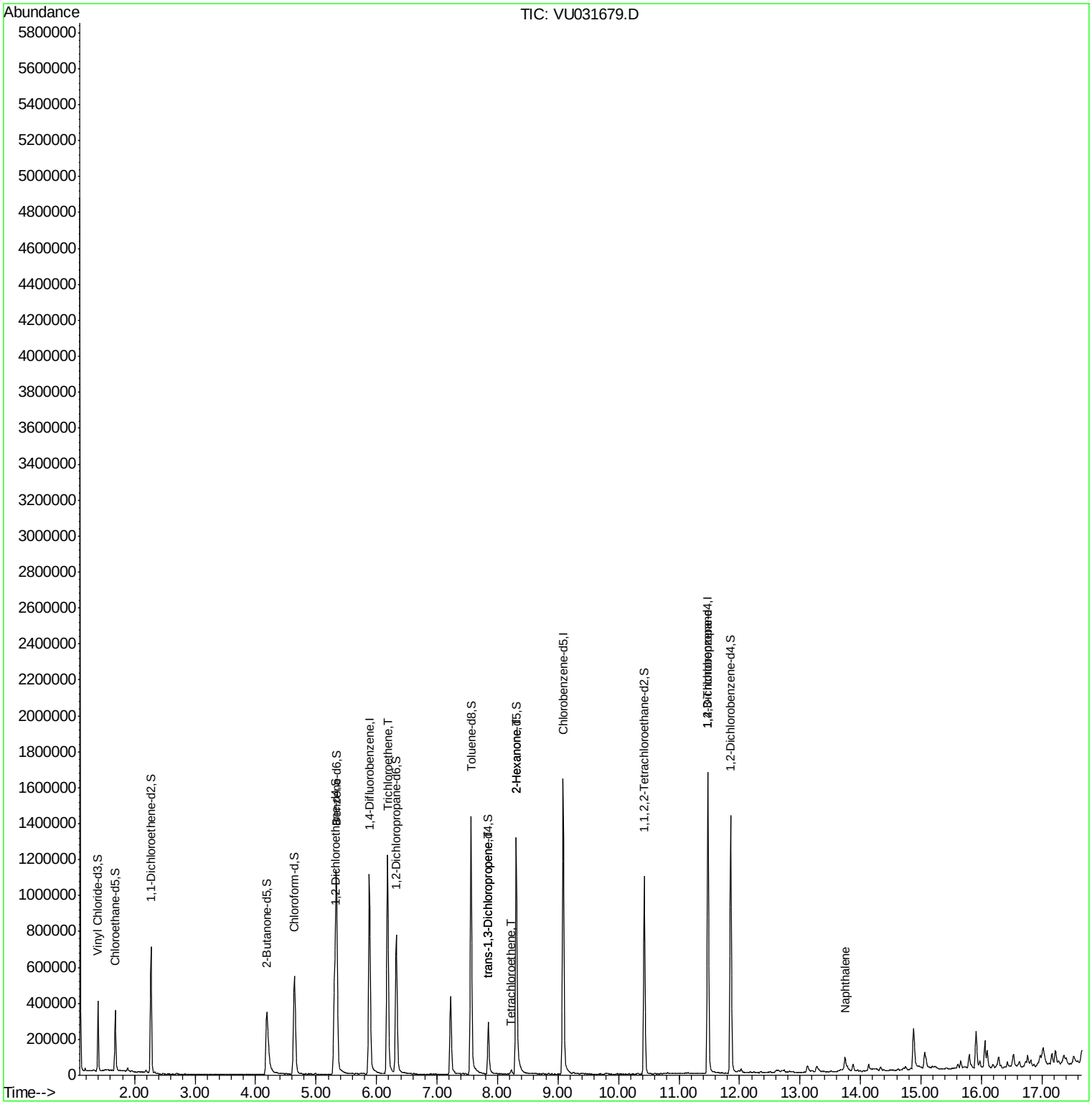
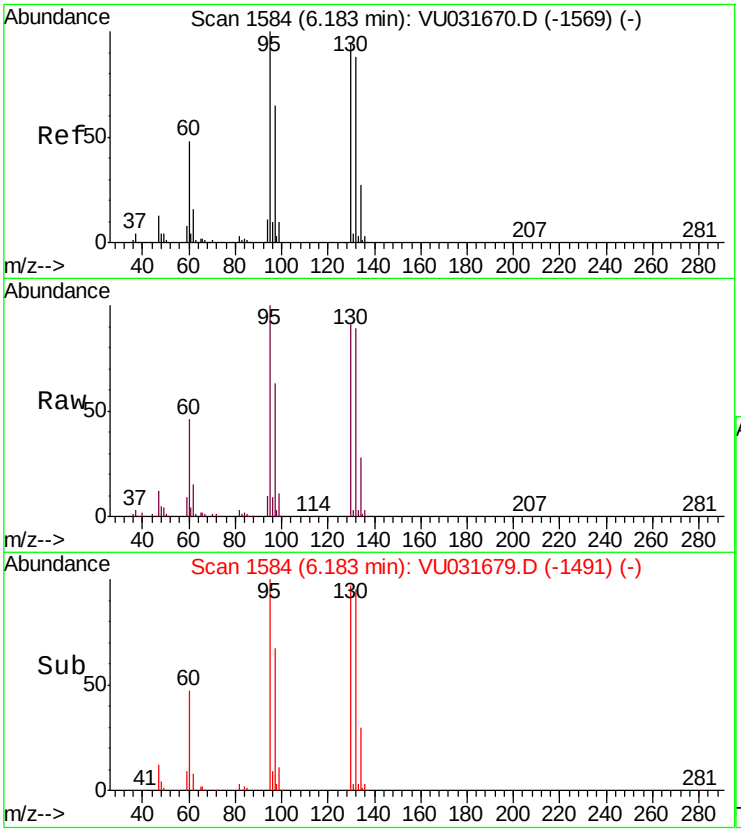
Operator : JC/SP
Sample : K2593-13DL 2000X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0X79DL

Quant Time: May 02 02:27:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration



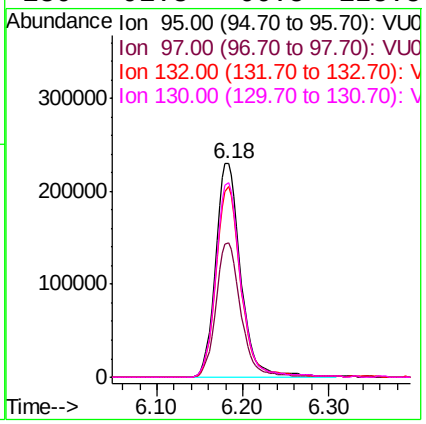


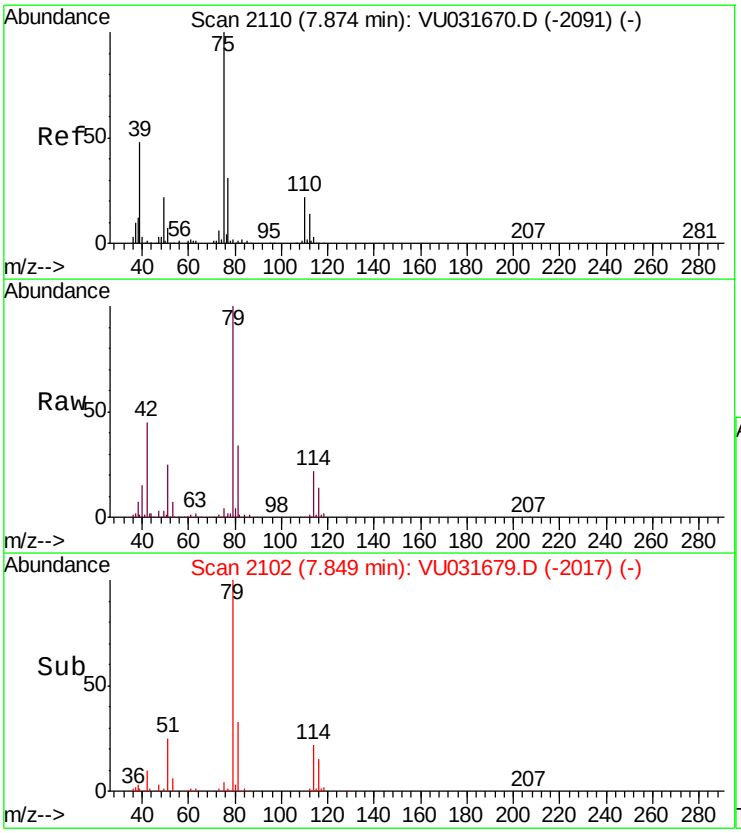

#34
Trichloroethene
Concen: 58.101 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU031679.D
Acq: 01 May 2019 13:10

**Instrument :** MSVOA_U
**ClientSampleId :** C0X79DL

Tgt Ion: 95 Resp: 467468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 62.8 | 44.8 | 83.2 |
| 132 | 89.4 | 63.1 | 117.1 |
| 130 | 91.3 | 66.5 | 123.5 |

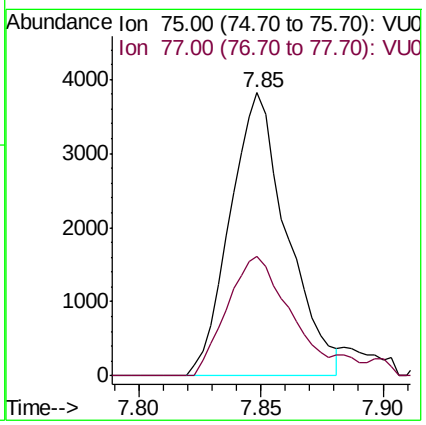


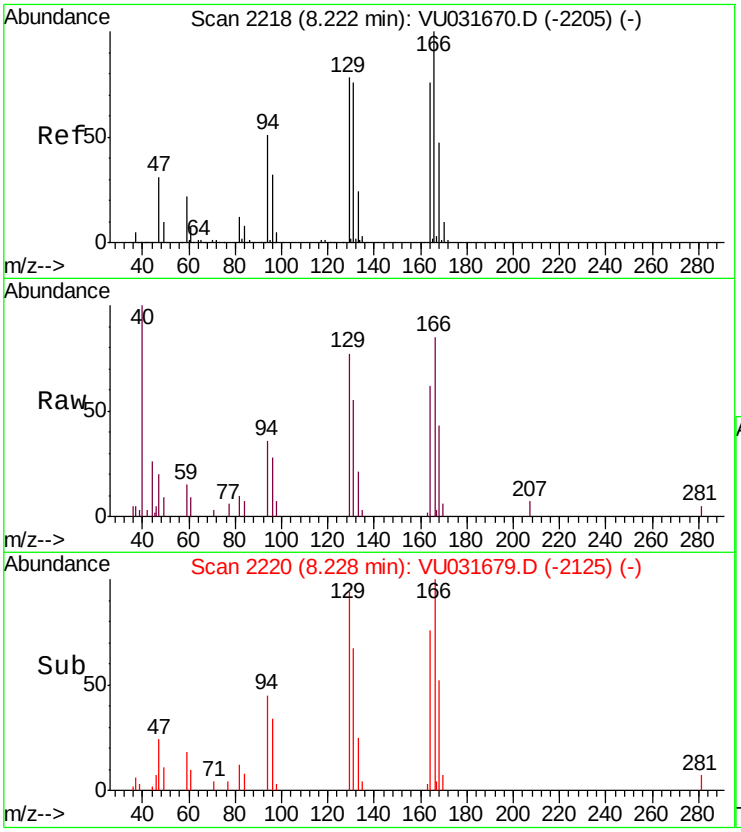




#44
trans-1,3-Dichloropropene
Concen: 0.549 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU031679.D
Acq: 01 May 2019 13:10

Tgt Ion: 75 Resp: 6204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.5 | 22.1 | 41.1# |



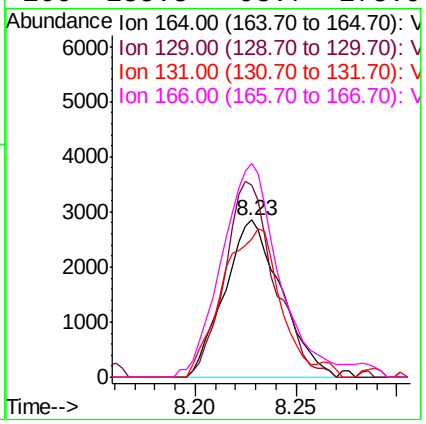


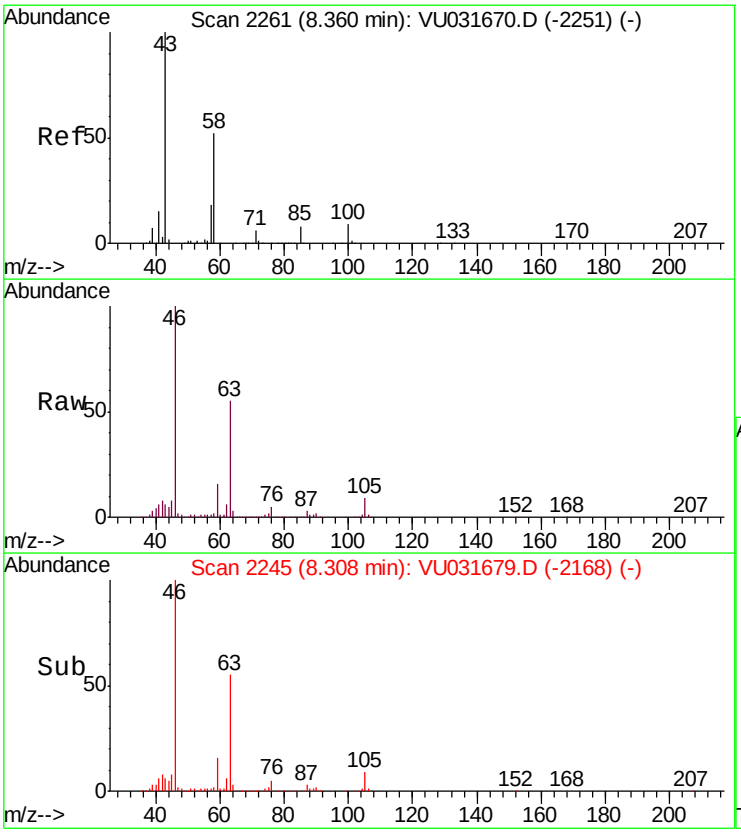

#46
Tetrachloroethene
Concen: 1.020 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU031679.D
Acq: 01 May 2019 13:10

**Instrument :** MSVOA_U
**ClientSampleId :** C0X79DL

Tgt Ion:164 Resp: 5597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 122.5 | 71.5 | 132.9 |
| 131 | 87.7 | 69.0 | 128.2 |
| 166 | 135.8 | 93.7 | 173.9 |

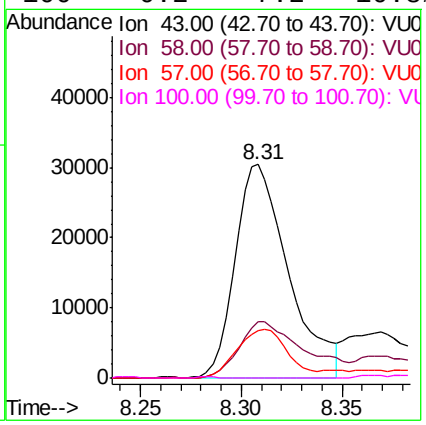


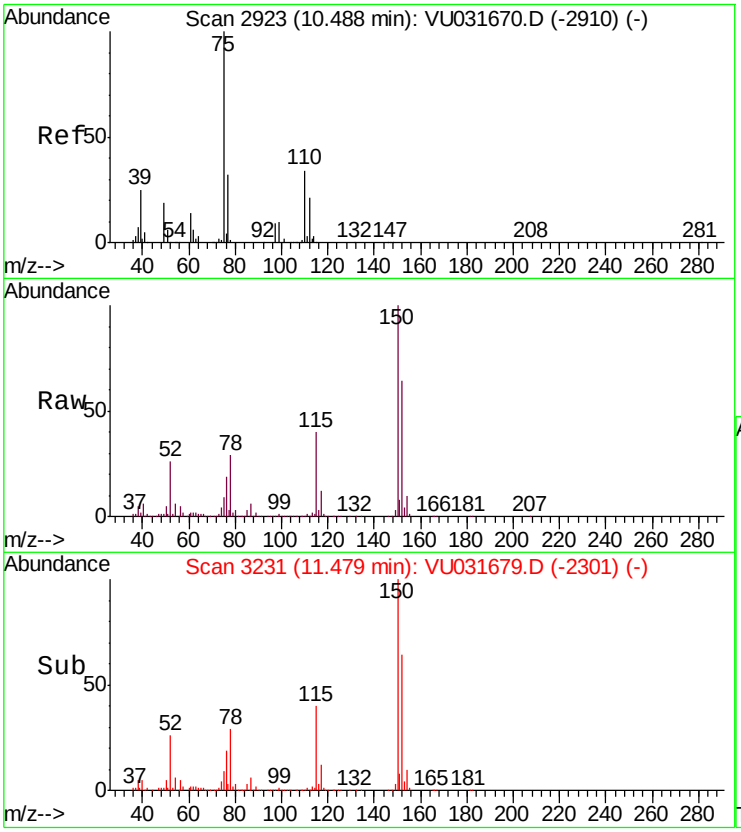




#48
2-Hexanone
Concen: 4.817 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031679.D
Acq: 01 May 2019 13:10

Tgt Ion: 43 Resp: 56486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 42.1 | 63.1# |
| 57 | 21.4 | 14.6 | 22.0 |
| 100 | 0.2 | 7.2 | 10.8# |



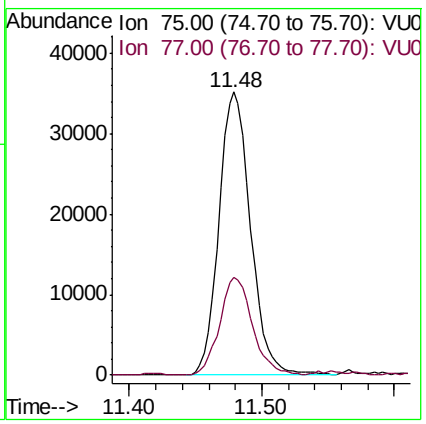


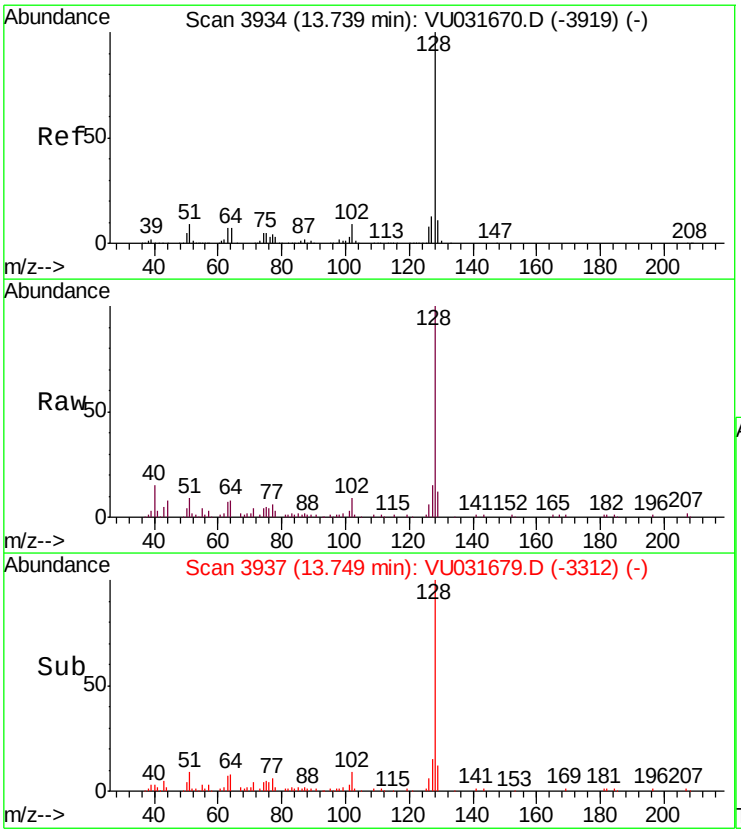

#59
1,2,3-Trichloropropane
Concen: 5.215 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031679.D
Acq: 01 May 2019 13:10

**Instrument :** MSVOA_U
**ClientSampleId :** C0X79DL

Tgt Ion: 75 Resp: 58266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.8 | 25.9 | 38.9 |




#69
Naphthalene
Concen: 2.431 ug/L
RT: 13.75 min Scan# 3937
Delta R.T. 0.01 min
Lab File: VU031679.D
Acq: 01 May 2019 13:10

Tgt Ion:128 Resp: 68759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.6 | 15.8 |
| 129 | 12.5 | 8.7 | 13.1 |