Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Data File : VU029579.D
Acq On : 20 Feb 2019 14:38
Operator : JC/SP
Sample : K1488-13DL 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ESXE9DL

Quant Time: Feb 21 05:27:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 207656 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 197793 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 105359 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 51815 | 3.71 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 74.20% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 50342 | 4.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 81.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 87141 | 2.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 57.40%# | | | |
| 20) 2-Butanone-d5 | 4.19 | 46 | 167112 | 57.61 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 115.22% | | | |
| 24) Chloroform-d | 4.64 | 84 | 95380 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 86.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 61408 | 5.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 104.00% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 224638 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 72481 | 5.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 103.20% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 211519 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 90.20% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 26515 | 4.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.40% | | | |
| 46) 2-Hexanone-d5 | 8.31 | 63 | 164154 | 56.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 113.58% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 66852 | 5.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 109.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 97291 | 5.01 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 100.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.40 | 62 | 12201 | 0.610 | ug/L # | 73 |
| 22) cis-1,2-Dichloroethene | 4.22 | 96 | 97158 | 5.796 | ug/L | 95 |
| 34) Trichloroethene | 6.18 | 95 | 61670 | 3.767 | ug/L | 98 |
| 47) Tetrachloroethene | 8.22 | 164 | 223712 | 14.920 | ug/L | 98 |

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

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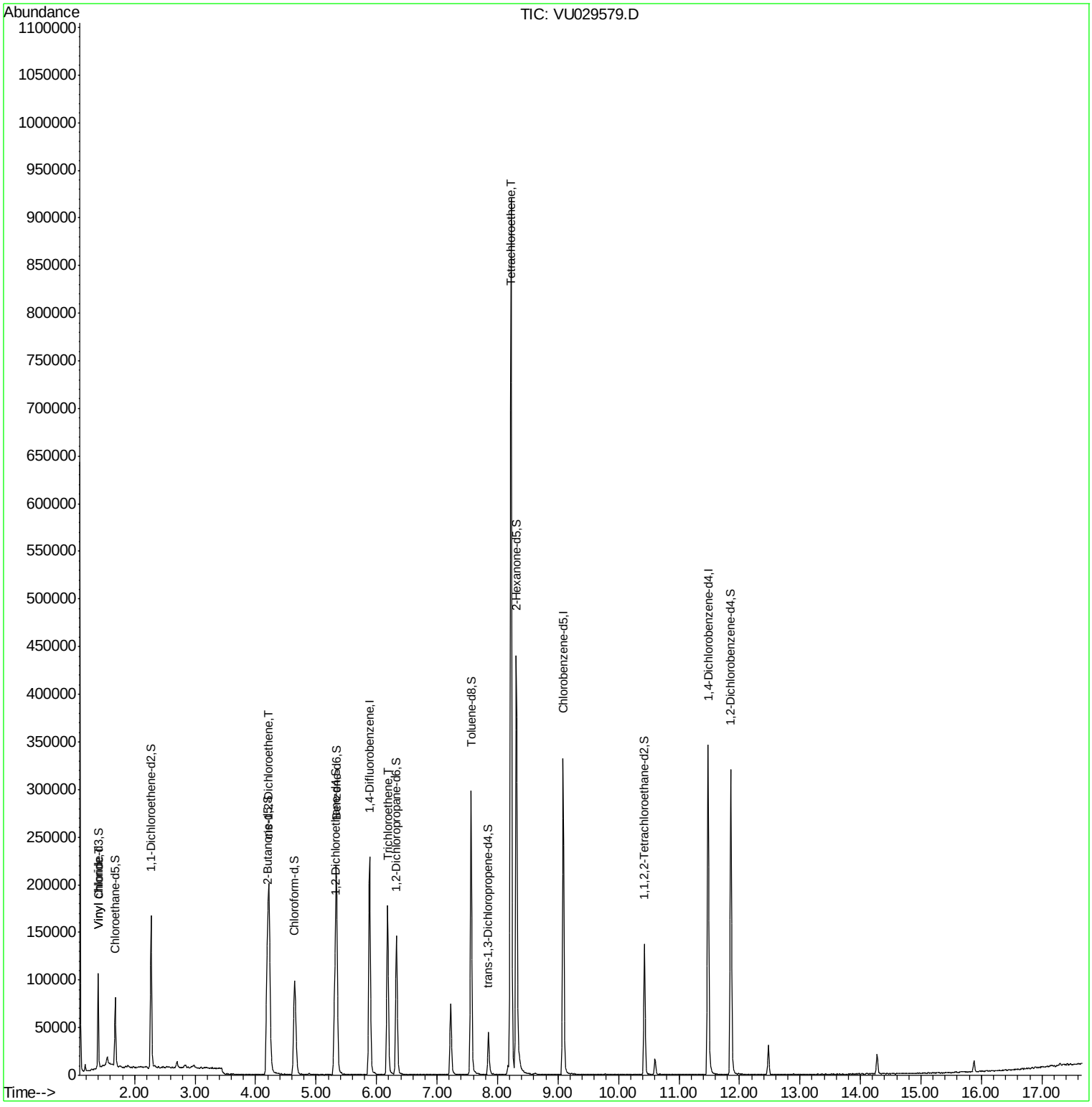
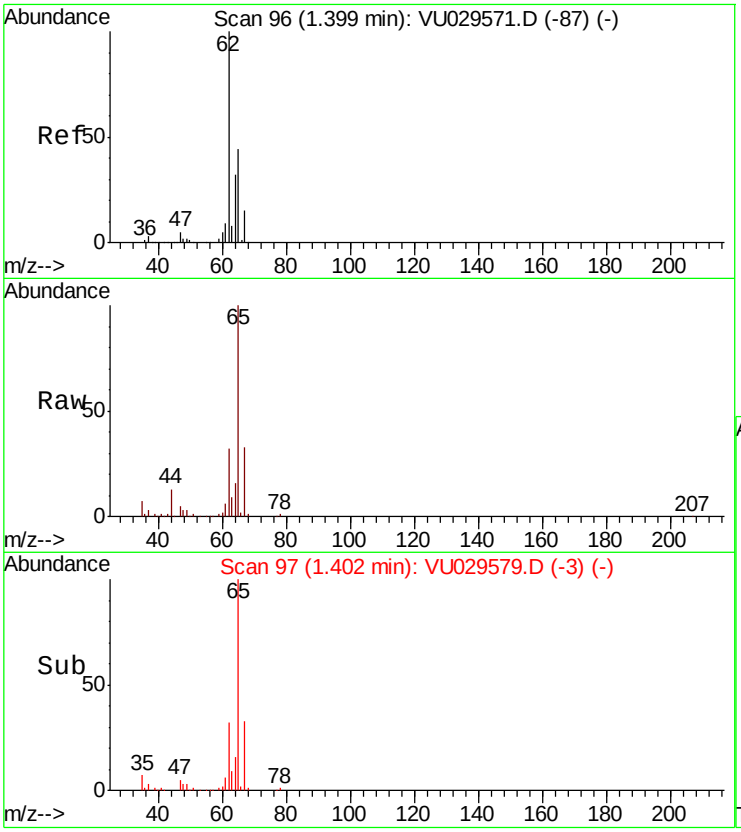


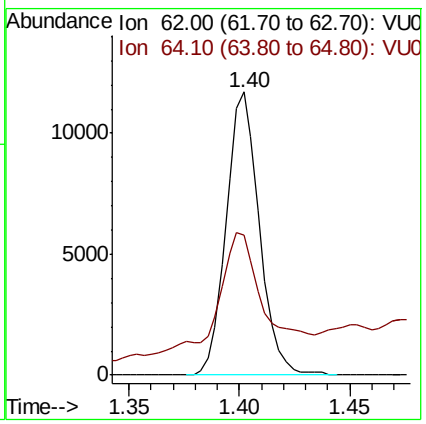


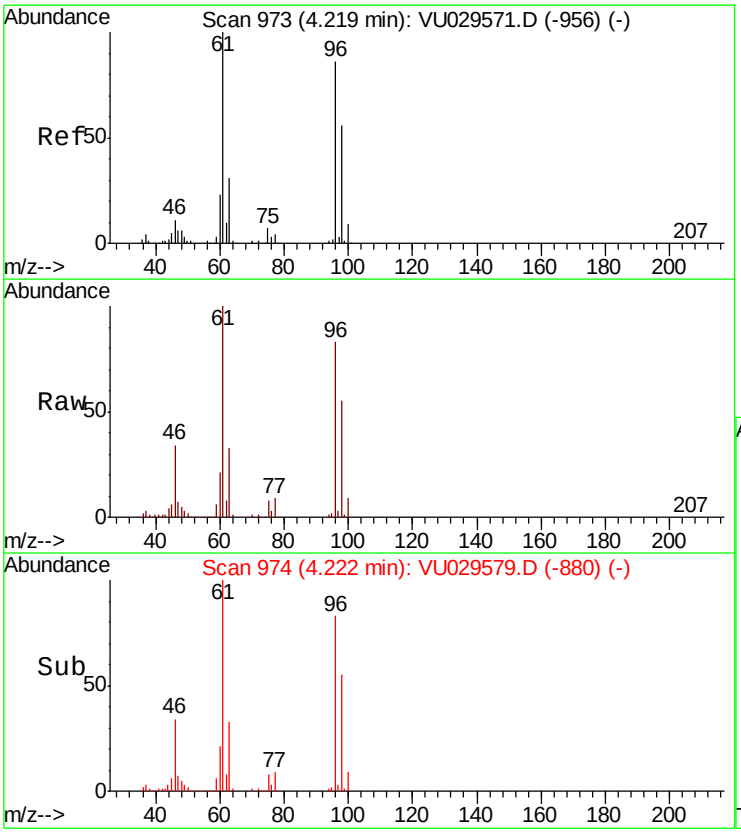

#5
Vinyl chloride
Concen: 0.610 ug/L
RT: 1.40 min Scan# 97
Delta R.T. 0.00 min
Lab File: VU029579.D
Acq: 20 Feb 2019 14:38

**Instrument :**
MSVOA_U
**ClientSampleId :**
ESXE9DL

Tgt Ion: 62 Resp: 12201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 49.3 | 23.5 | 43.7# |

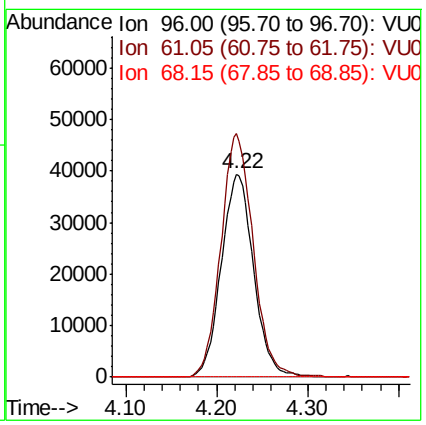


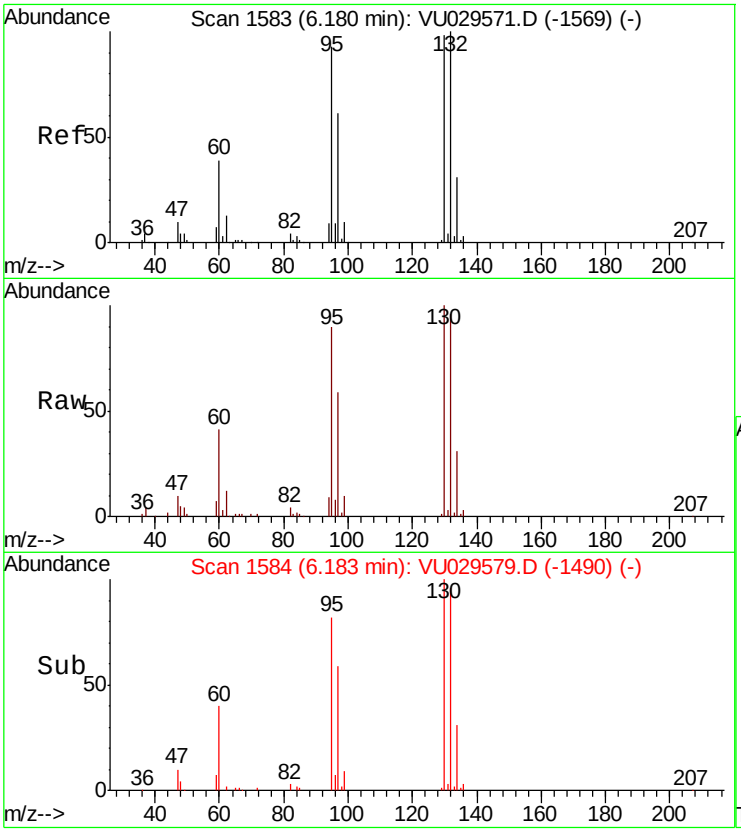




#22
cis-1,2-Dichloroethene
Concen: 5.796 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029579.D
Acq: 20 Feb 2019 14:38

Tgt Ion: 96 Resp: 97158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 120.1 | 79.9 | 148.5 |
| 68 | 0.0 | 0.0 | 0.0 |



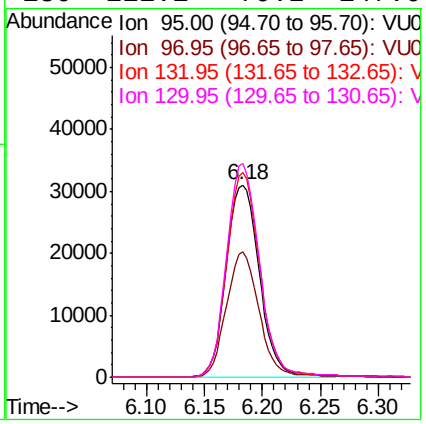


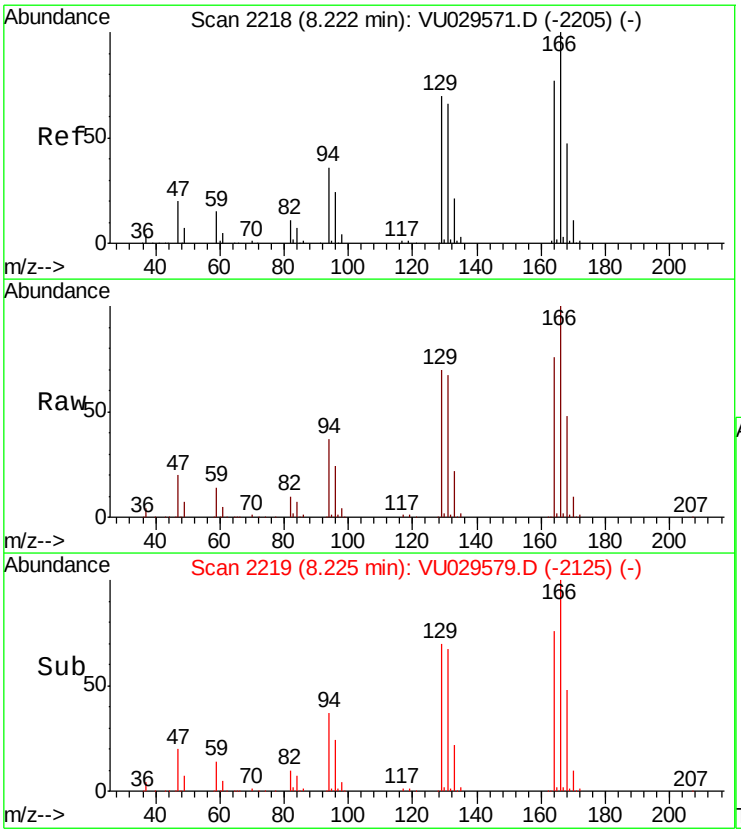

#34
Trichloroethene
Concen: 3.767 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029579.D
Acq: 20 Feb 2019 14:38

**Instrument :**
MSVOA_U
**ClientSampleId :**
ESXE9DL

Tgt Ion: 95 Resp: 61670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.0 | 46.3 | 86.1 |
| 132 | 106.8 | 72.9 | 135.3 |
| 130 | 111.1 | 79.2 | 147.0 |




#47
Tetrachloroethene
Concen: 14.920 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029579.D
Acq: 20 Feb 2019 14:38

Tgt Ion:164 Resp: 223712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 91.5 | 62.9 | 116.9 |
| 131 | 87.5 | 62.1 | 115.3 |
| 166 | 131.2 | 89.8 | 166.8 |