Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022719\
Data File : VU029692.D
Acq On : 26 Feb 2019 19:15
Operator : JC/SP
Sample : K1624-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 27 03:16:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 01:53:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 445064 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 430145 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 209255 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 144079 | 44.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 88.36% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 132493 | 45.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 91.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 207373 | 32.53 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 65.06% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 227926 | 114.84 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 114.84% | | | |
| 24) Chloroform-d | 4.65 | 84 | 274248 | 51.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 103.70% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 179753 | 53.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 107.34% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 612845 | 56.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 113.24% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 189959 | 58.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 116.66% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 572751 | 51.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.70% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 83911 | 48.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 97.16% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 178087 | 98.21 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 98.21% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 287837 | 52.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 104.62% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 239330 | 53.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 106.14% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 9) Trichlorofluoromethane | 1.88 | 101 | 95220 | 16.429 | ug/L | 100 |
| 34) Trichloroethene | 6.19 | 95 | 17734 | 5.969 | ug/L | 98 |
| 46) Tetrachloroethene | 8.22 | 164 | 208681 | 71.765 | ug/L | 98 |

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

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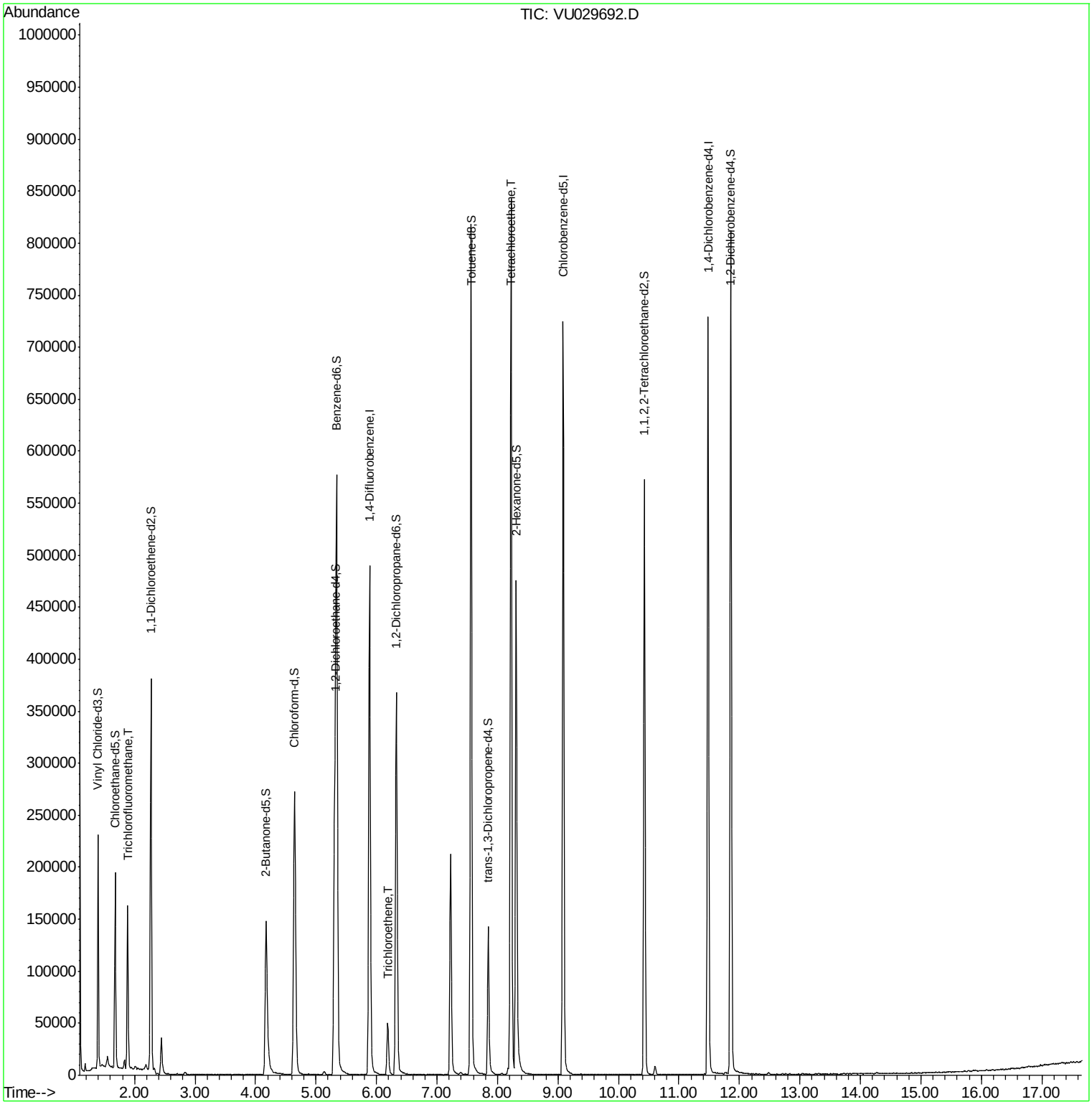
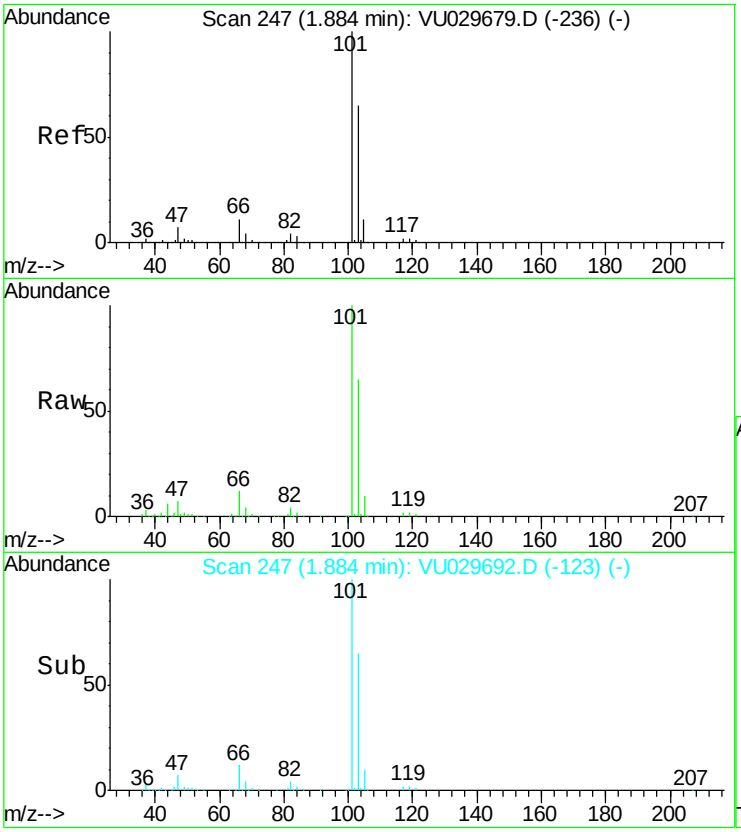
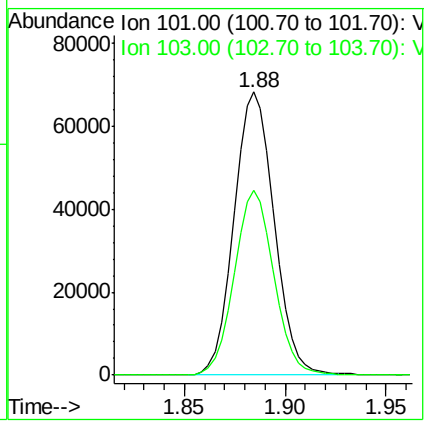


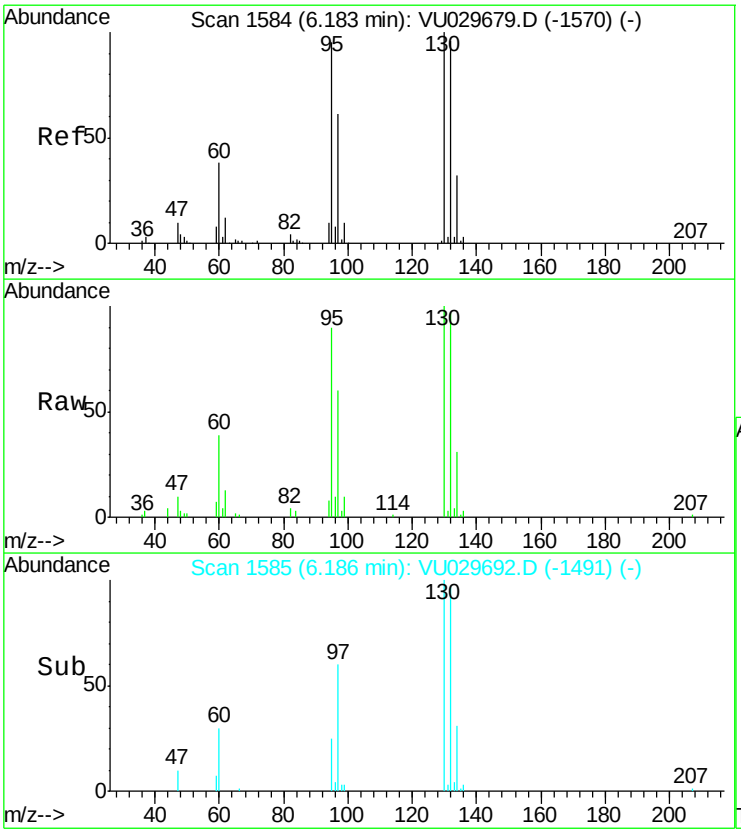



#9
Trichlorofluoromethane
Concen: 16.429 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029692.D
Acq: 26 Feb 2019 19:15

Tgt Ion:101 Resp: 95220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 51.4 | 77.2 |

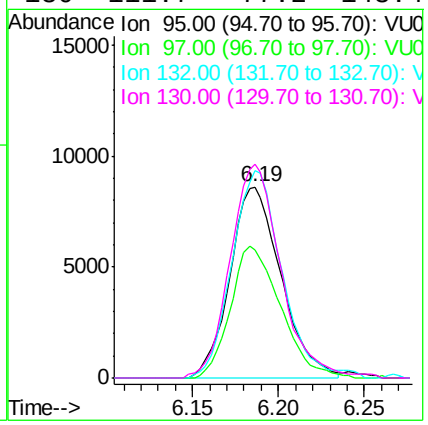


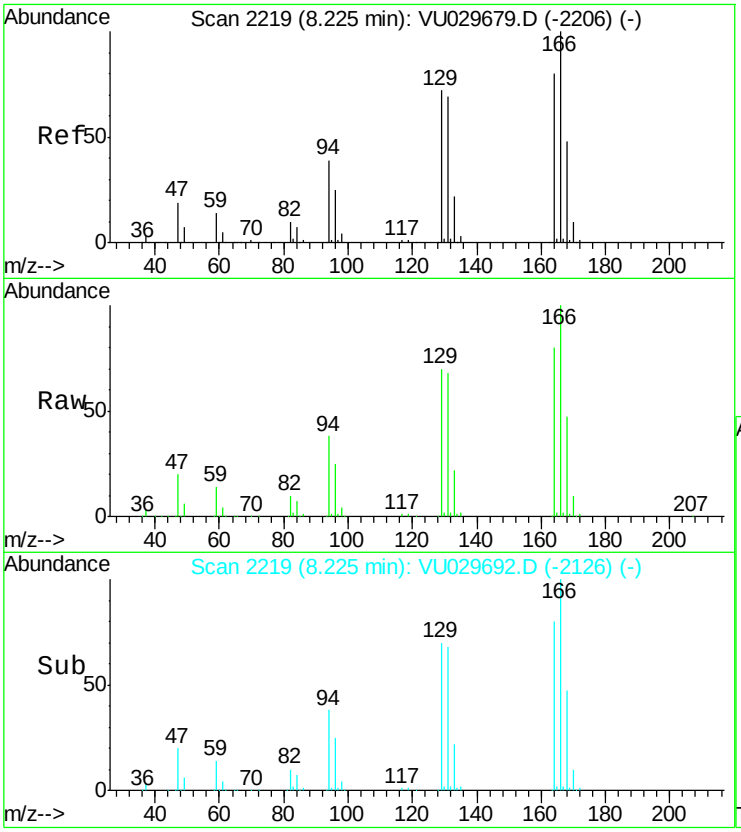




#34
Trichloroethene
Concen: 5.969 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VU029692.D
Acq: 26 Feb 2019 19:15

Tgt Ion: 95 Resp: 17734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 67.0 | 44.6 | 82.8 |
| 132 | 108.1 | 74.6 | 138.6 |
| 130 | 111.7 | 77.2 | 143.4 |






#46
Tetrachloroethene
Concen: 71.765 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029692.D
Acq: 26 Feb 2019 19:15

Tgt Ion:164 Resp: 208681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 87.5 | 62.1 | 115.3 |
| 131 | 85.0 | 60.1 | 111.5 |
| 166 | 125.6 | 89.7 | 166.5 |