Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040419\
Data File : VV010119.D
Acq On : 04 Apr 2019 19:35
Operator : SY/MD
Sample : K2215-10
Misc : 5.08G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF2N9

Quant Time: Apr 19 02:10:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 05 01:26:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 242142 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 229928 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 104658 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 59268 | 18.28 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 73.12% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 56969 | 14.15 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 56.60% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 126596 | 15.48 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 61.92% | | | |
| 20) 2-Butanone-d5 | 3.93 | 46 | 31449 | 34.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 68.18% | | | |
| 24) Chloroform-d | 4.40 | 84 | 121773 | 19.96 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 79.84% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 73828 | 21.63 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 86.52% | | | |
| 29) Benzene-d6 | 5.10 | 84 | 279021 | 23.40 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 93.60% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 82007 | 23.30 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 93.20% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 256439 | 22.32 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 89.28% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 27633 | 18.37 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 73.48% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 23466 | 33.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 66.50% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 66134 | 19.06 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 76.24% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 92290 | 22.64 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 90.56% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.19 | 43 | 2310 | 2.533 | ug/L | 88 |
| 16) Methylene chloride | 2.54 | 84 | 11887 | 2.794 | ug/L | 99 |
| 25) Chloroform | 4.42 | 83 | 15059 | 2.735 | ug/L | 94 |

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

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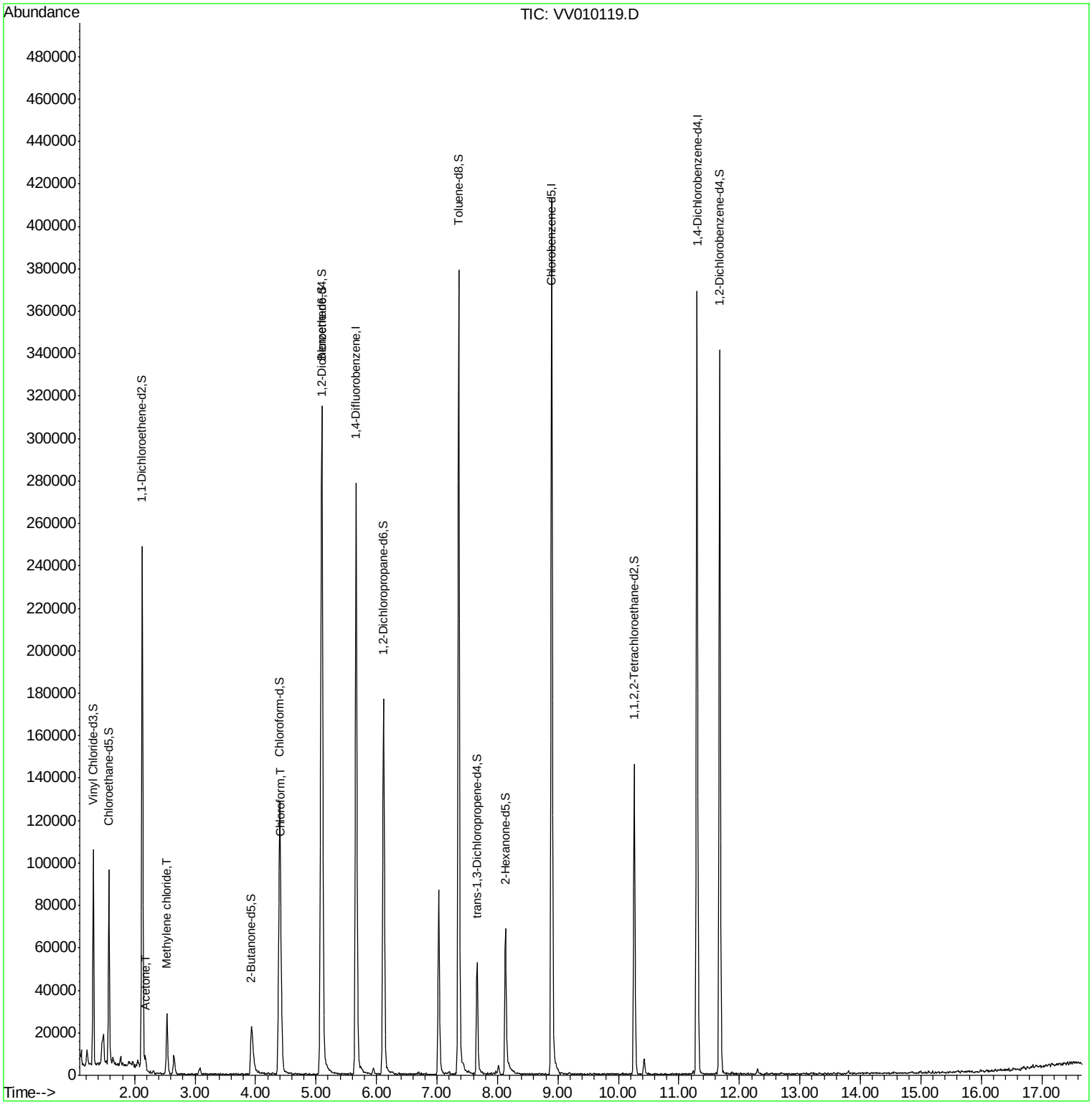
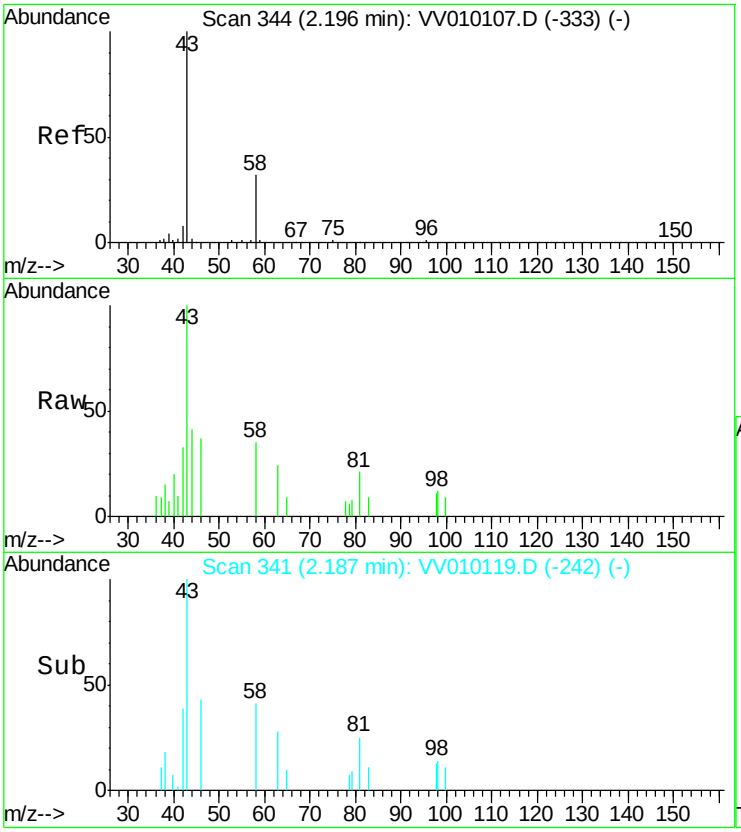


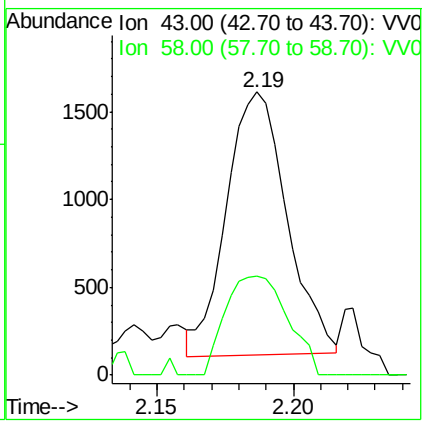


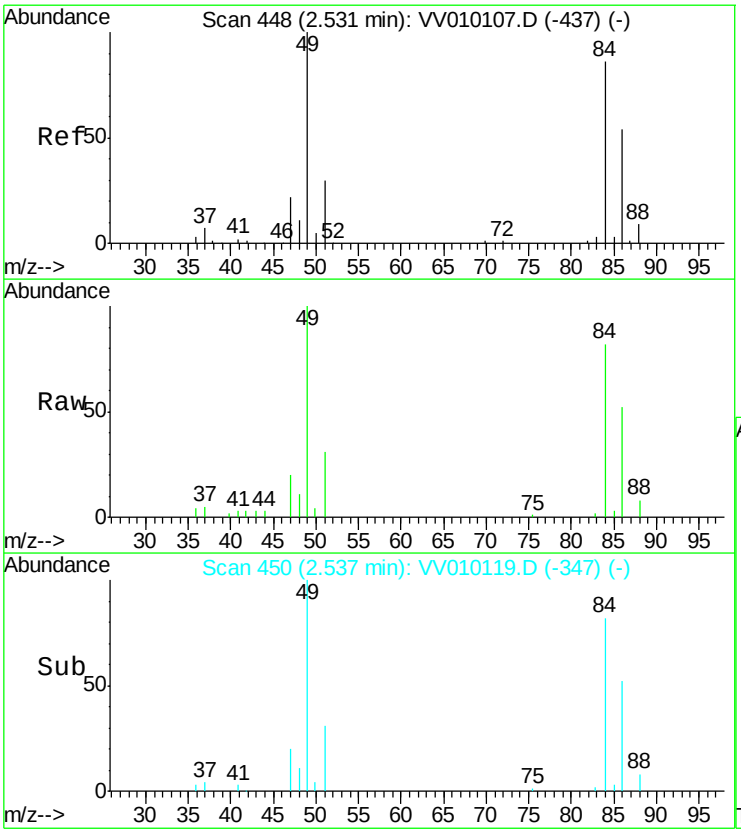

#13
Acetone
Concen: 2.533 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.01 min
Lab File: VV010119.D
Acq: 04 Apr 2019 19:35

**Instrument :** MSVOA_V
**ClientSampleId :** BF2N9

Tgt Ion: 43 Resp: 2310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.9 | 0.0 | 64.6 |

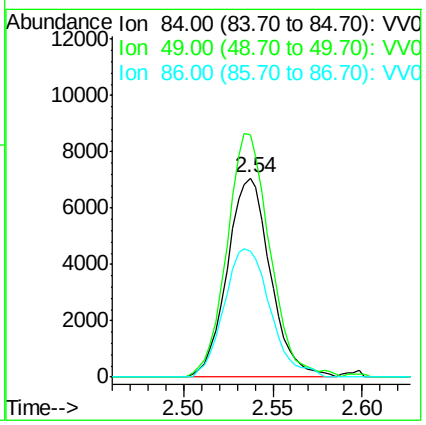


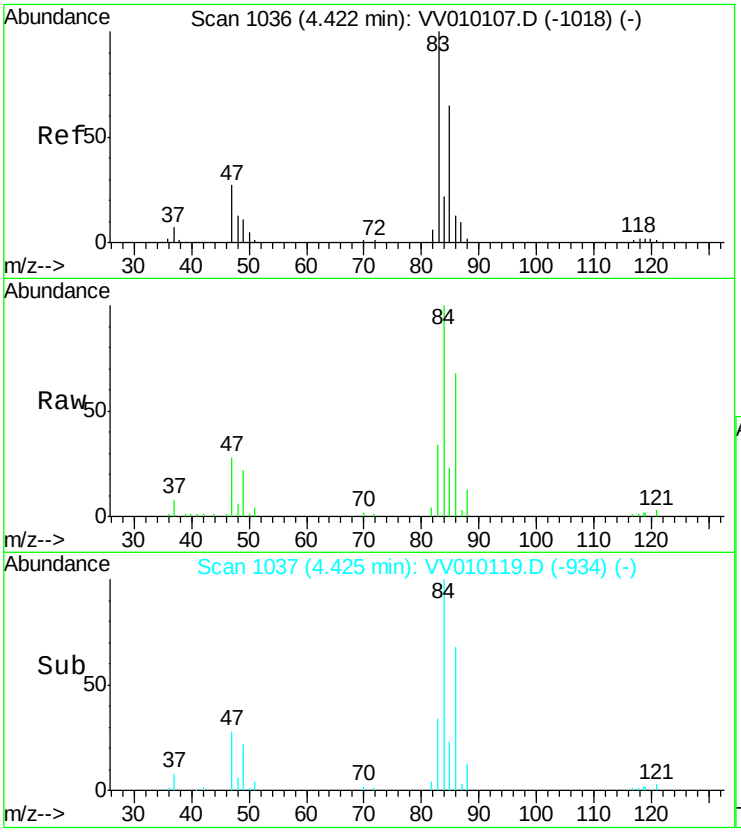




#16
Methylene chloride
Concen: 2.794 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV010119.D
Acq: 04 Apr 2019 19:35

Tgt Ion: 84 Resp: 11887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 121.4 | 84.3 | 156.5 |
| 86 | 63.4 | 45.4 | 84.2 |






#25
Chloroform
Concen: 2.735 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010119.D
Acq: 04 Apr 2019 19:35

**Instrument :**
MSVOA_V
**ClientSampleId :**
BF2N9

Tgt Ion: 83 Resp: 15059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 71.2 | 46.4 | 86.2 |