Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036484.D
Acq On : 15 Jan 2020 22:09
Operator : JC/MD
Sample : L1109-05ME
Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GASG4ME

**Manual Integrations APPROVED**
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Quant Time: Jan 20 05:53:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 16 06:52:15 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.29 | 114 | 514277 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.45 | 117 | 494062 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152 | 254696 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 142928 | 42.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 85.74% | | | |
| 7) Chloroethane-d5 | 1.89 | 69 | 106976m | 37.06 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 74.12% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.55 | 63 | 218381m | 34.11 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 68.22% | | | |
| 21) 2-Butanone-d5 | 4.69 | 46 | 233470 | 81.44 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 81.44% | | | |
| 24) Chloroform-d | 5.11 | 84 | 312205 | 47.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.06% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 213443 | 48.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 96.74% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 637436 | 49.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.66% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.73 | 67 | 208792 | 49.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 99.38% | | | |
| 41) Toluene-d8 | 7.93 | 98 | 600354 | 49.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.24% | | | |
| 43) trans-1,3-Dichloropropene- | 8.21 | 79 | 106784 | 47.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 94.34% | | | |
| 47) 2-Hexanone-d5 | 8.68 | 63 | 240855 | 111.85 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 111.85% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79 | 84 | 322559 | 51.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 102.06% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.22 | 152 | 242174 | 48.27 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 96.54% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 53) m,p-Xylene | 9.72 | 106 | 187798 | 29.160 | ug/L | 97 |
| 54) o-xylene | 10.13 | 106 | 122129 | 18.995 | ug/L | 96 |
| 56) Isopropylbenzene | 10.51 | 105 | 59697 | 3.618 | ug/L | 97 |

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

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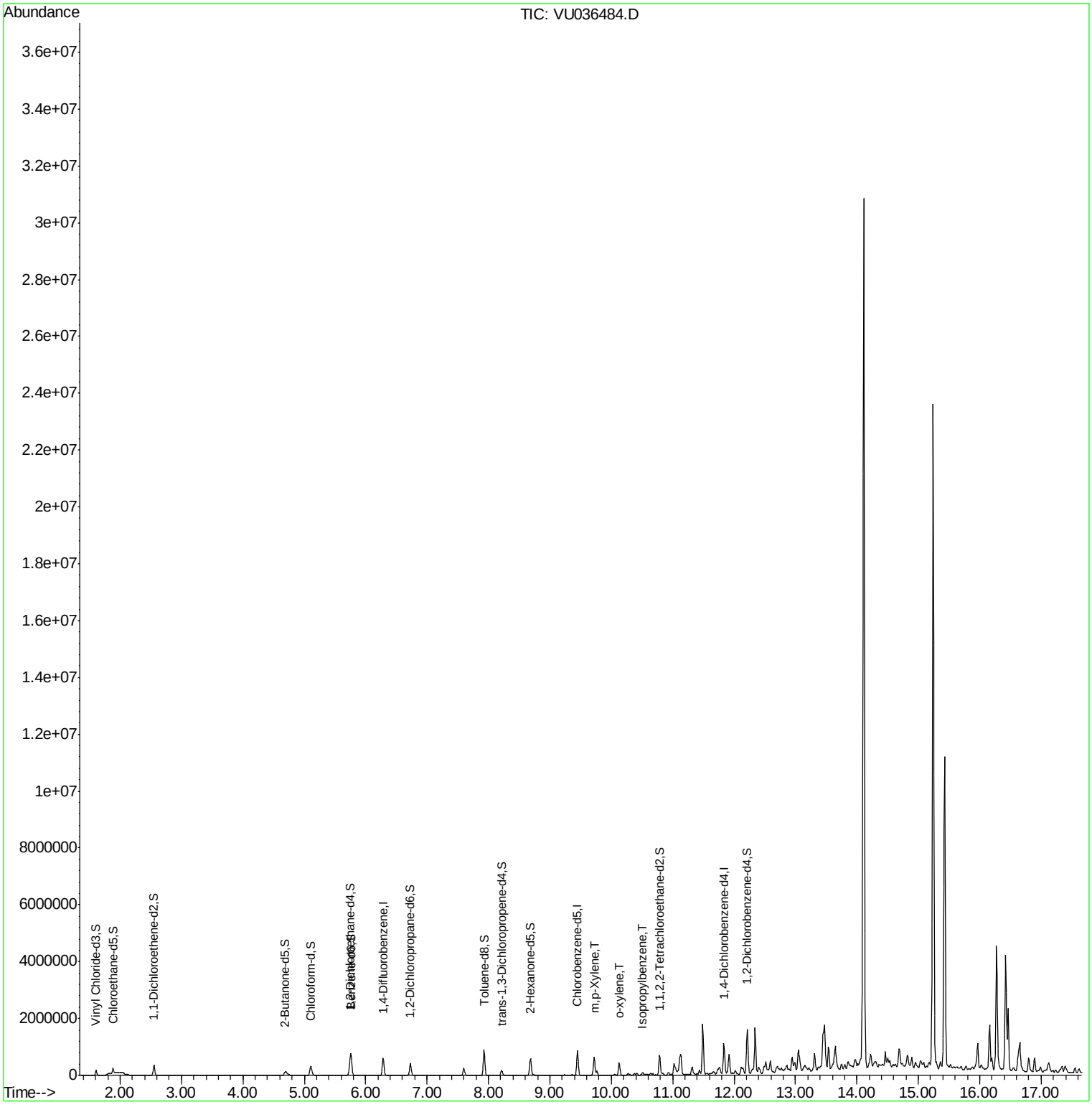
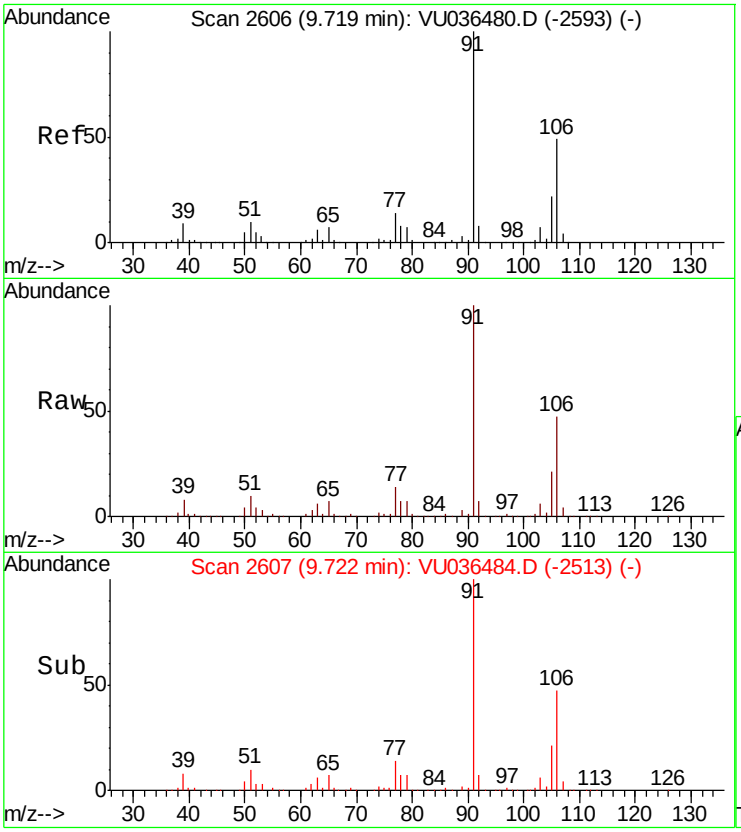
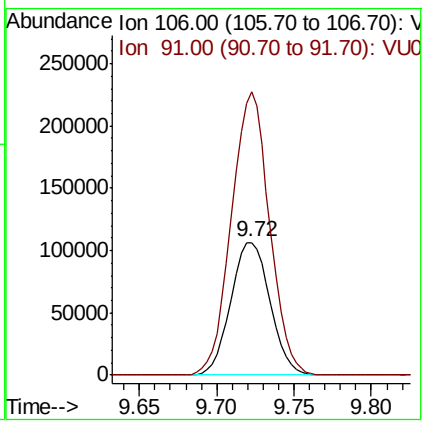





#53
m,p-Xylene
Concen: 29.160 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU036484.D
Acq: 15 Jan 2020 22:09

Tgt Ion:106 Resp: 187798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.8 | 145.9 | 270.9 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
GASG4ME

**Manual Integrations APPROVED**
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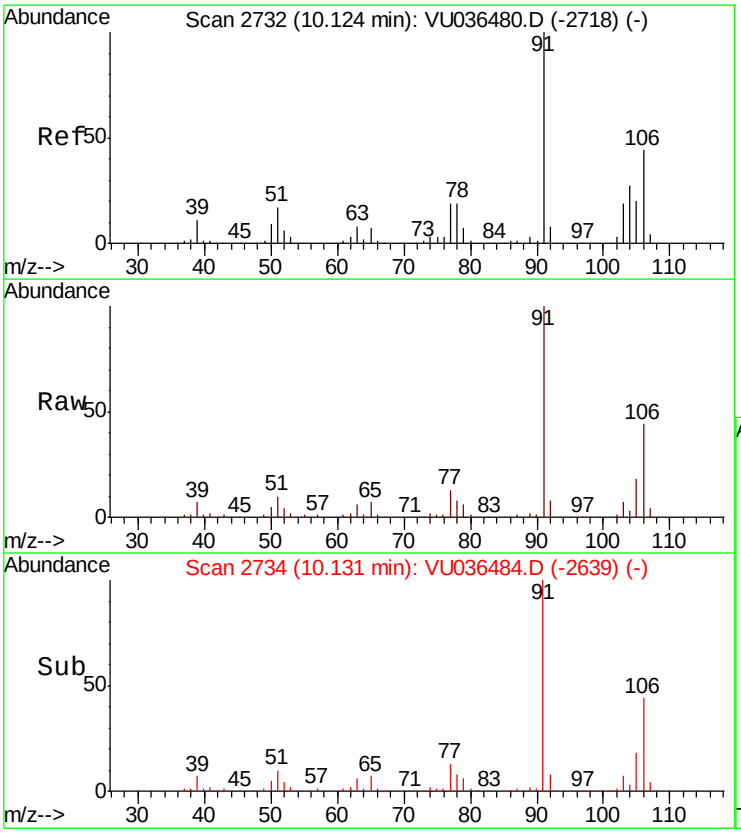
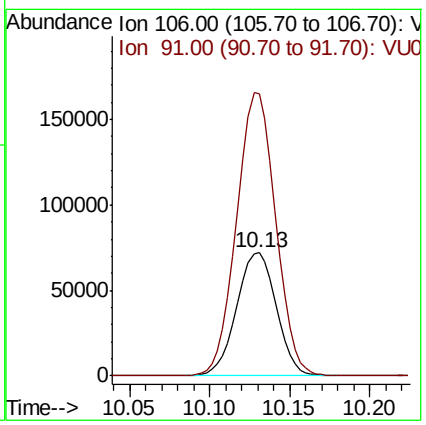
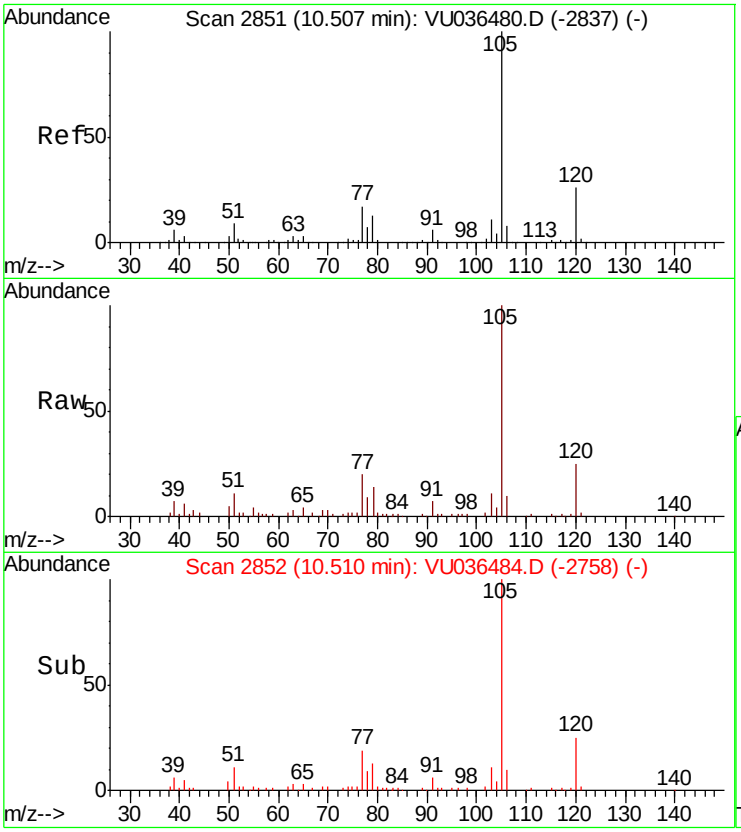



#54
o-xylene
Concen: 18.995 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.01 min
Lab File: VU036484.D
Acq: 15 Jan 2020 22:09

Tgt Ion:106 Resp: 122129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.6 | 156.4 | 290.4 |

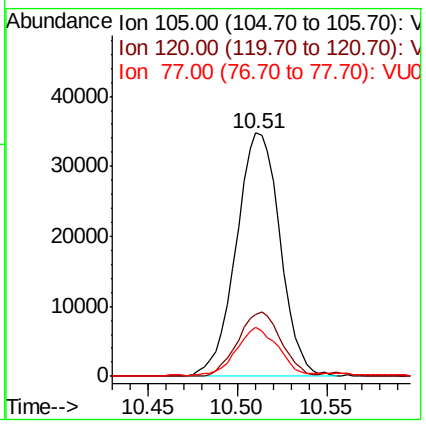





#56
Isopropylbenzene
Concen: 3.618 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VU036484.D
Acq: 15 Jan 2020 22:09

Tgt Ion:105 Resp: 59697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 21.5 | 32.3 |
| 77 | 18.7 | 13.4 | 20.2 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
GASG4ME

**Manual Integrations APPROVED**
apatel
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