Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\

Quantitation Report (Not Reviewed)

Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAHR1

Quant Time: Apr 19 23:16:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 634491 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 604735 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 321198 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 168937 | 28.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 57.82%# | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 118669 | 23.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 46.78%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.24 | 63 | 266058 | 22.98 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 45.96%# | | | |
| 21) 2-Butanone-d5 | 4.21 | 46 | 336747 | 79.13 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 79.13% | | | |
| 24) Chloroform-d | 4.64 | 84 | 323629 | 33.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 66.38%# | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 191129 | 31.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 63.66%# | | | |
| 32) Benzene-d6 | 5.33 | 84 | 655926 | 34.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 68.62%# | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 217046 | 34.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 69.96%# | | | |
| 41) Toluene-d8 | 7.56 | 98 | 605870 | 36.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 72.04%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 99980 | 33.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 67.42% | | | |
| 47) 2-Hexanone-d5 | 8.34 | 63 | 243339 | 83.08 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 83.08% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44 | 84 | 292765 | 33.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 67.98% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 262068 | 35.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 71.16%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Methylene chloride | 2.69 | 84 | 2873 | 0.594 | ug/L | 77 |
| 42) Toluene | 7.64 | 91 | 36478 | 1.803 | ug/L | 95 |
| 48) 2-Hexanone | 8.34 | 43 | 26728 | 4.422 | ug/L # | 59 |
| 52) Ethylbenzene | 9.25 | 91 | 827451 | 37.567 | ug/L | 98 |
| 53) m,p-Xylene | 9.37 | 106 | 2978758 | 383.231 | ug/L | 95 |
| 54) o-xylene | 9.78 | 106 | 1821212 | 231.375 | ug/L | 95 |
| 55) Styrene | 9.79 | 104 | 1029936 | 77.515 | ug/L | 91 |
| 56) Isopropylbenzene | 10.17 | 105 | 68226 | 3.382 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.51 | 75 | 2915 | 0.455 | ug/L # | 1 |
| 66) 1,2-Dibromo-3-chloropropan | 12.65 | 75 | 9113 | 4.278 | ug/L # | 8 |
| 69) Naphthalene | 13.80 | 128 | 351176 | 17.385 | ug/L # | 23 |

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

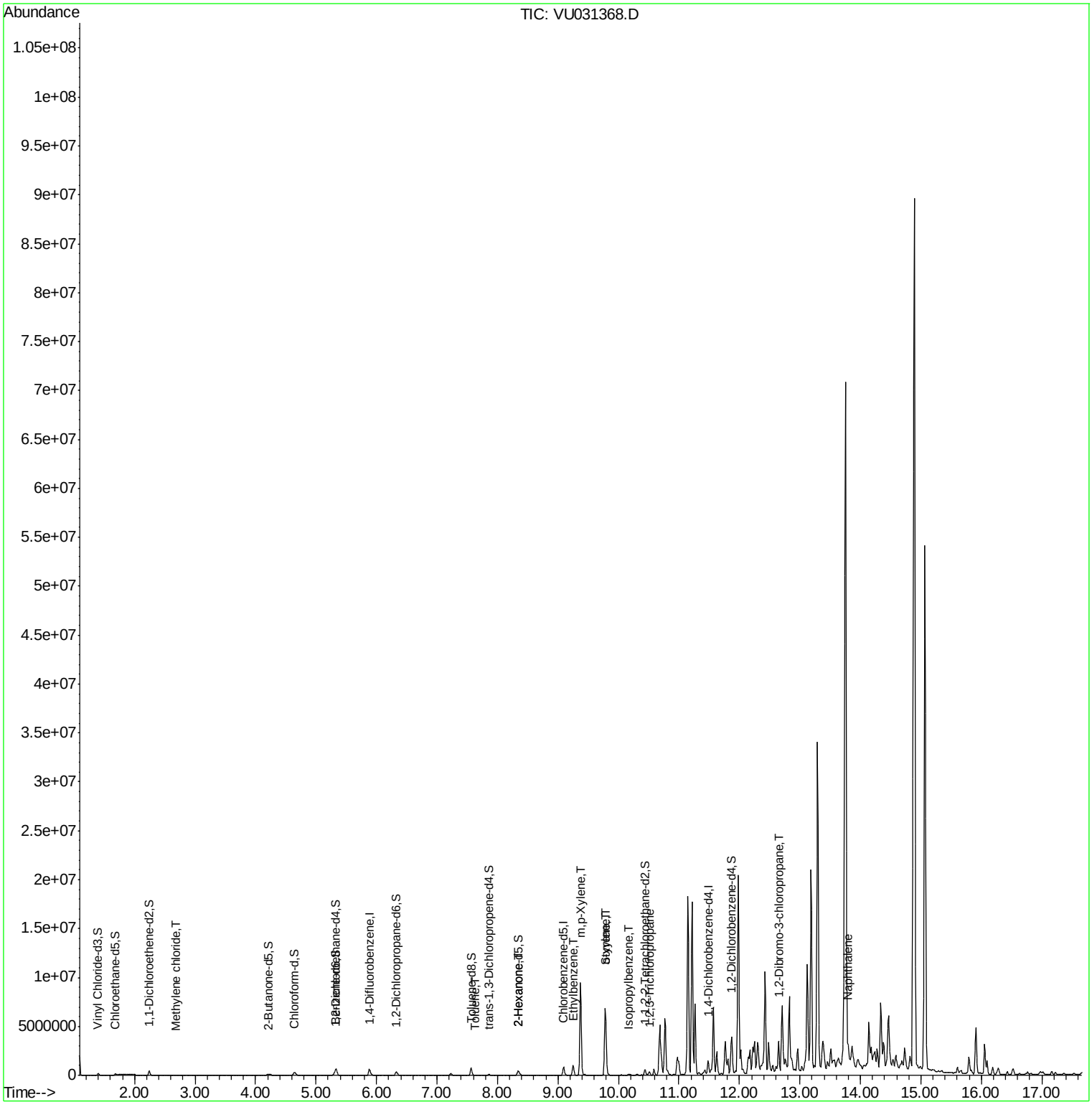
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\

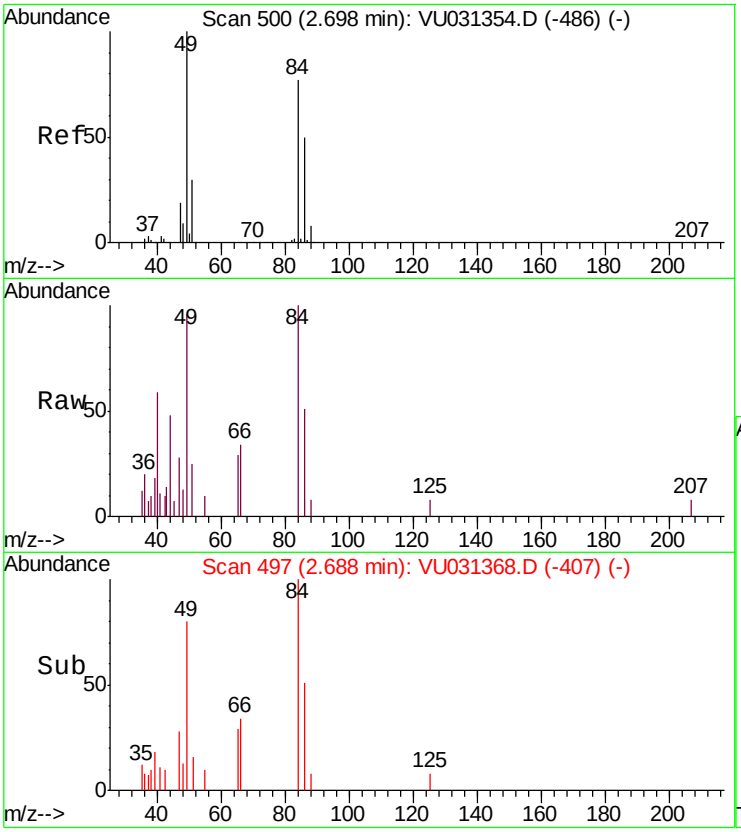
Quantitation Report (Not Reviewed)

Data File : VU031368.D
Acq On : 19 Apr 2019 18:44
Operator : JC/SP
Sample : K2455-11
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAHR1

Quant Time: Apr 19 23:16:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration



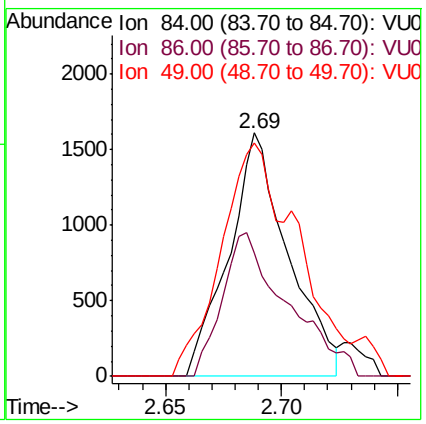


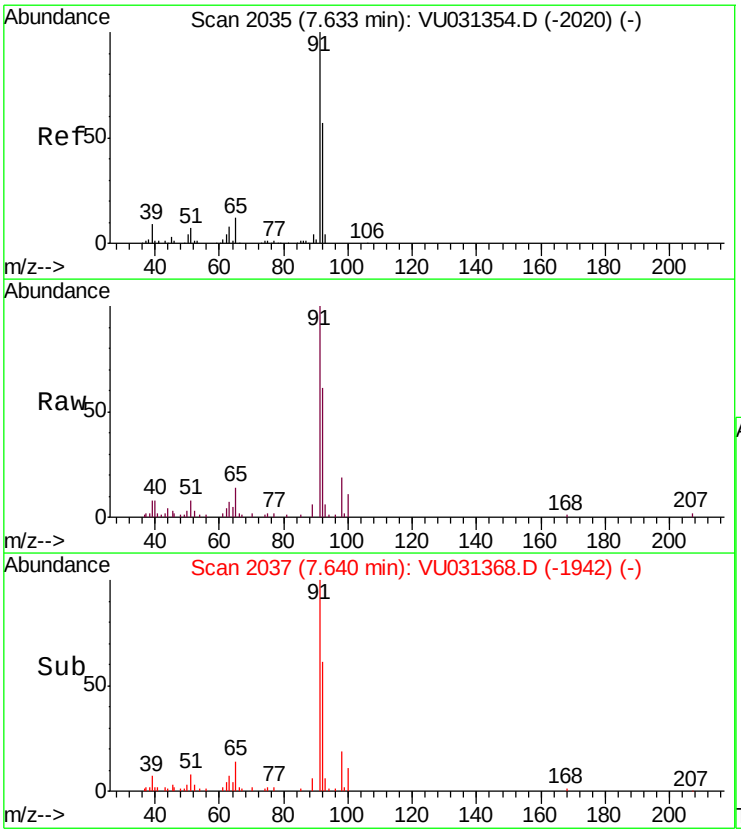

#16
Methylene chloride
Concen: 0.594 ug/L
RT: 2.69 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAHR1

Tgt Ion: 84 Resp: 2873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 50.8 | 44.0 | 81.8 |
| 49 | 96.0 | 88.0 | 163.4 |

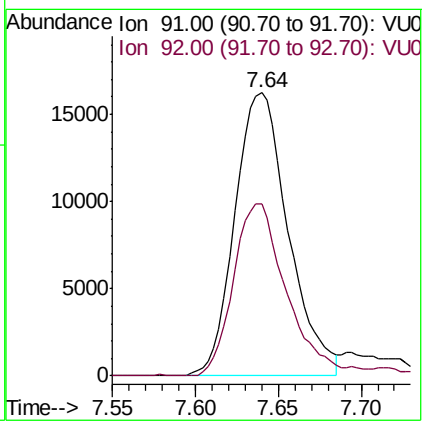


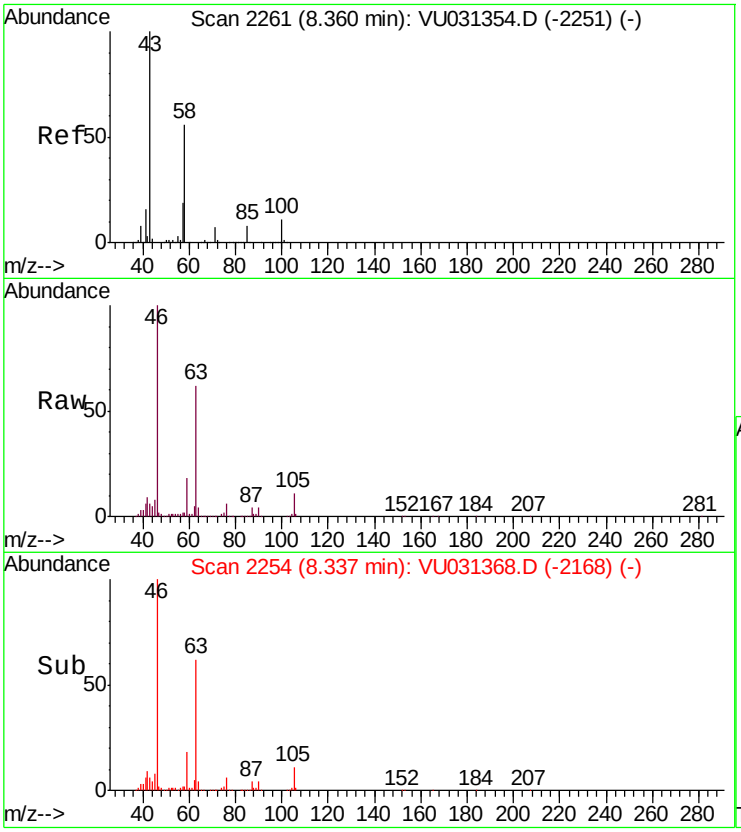




#42
Toluene
Concen: 1.803 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

Tgt Ion: 91 Resp: 36478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 60.8 | 40.1 | 74.5 |



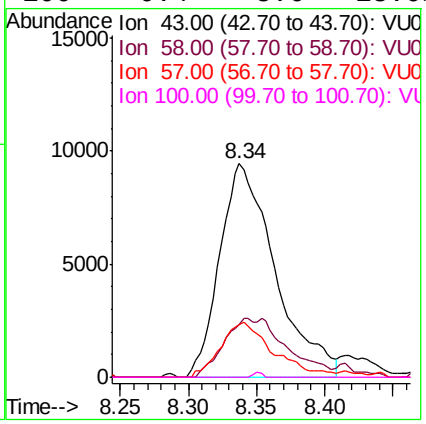


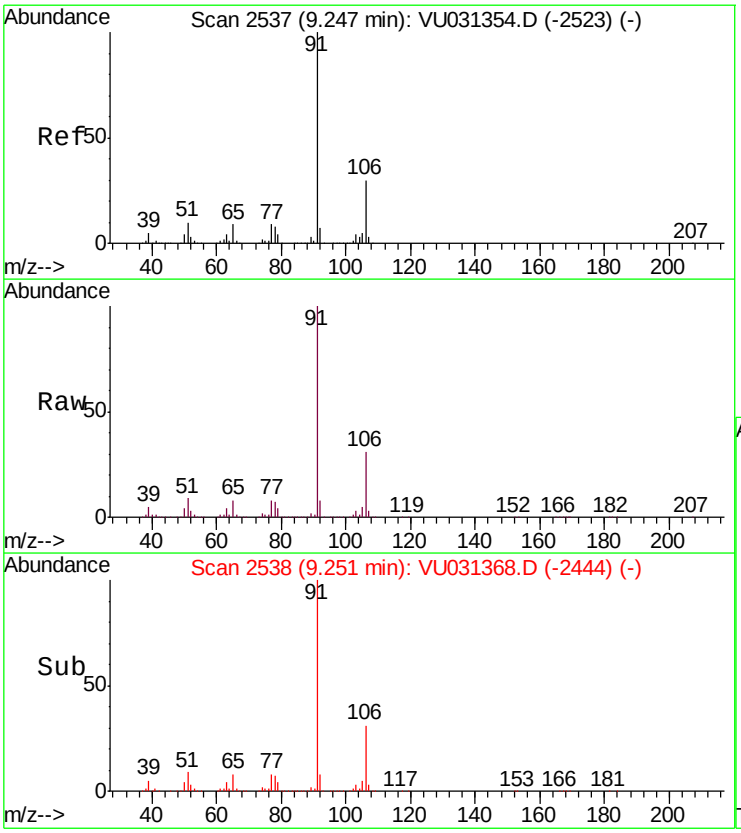

#48
2-Hexanone
Concen: 4.422 ug/L
RT: 8.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAHR1

Tgt Ion: 43 Resp: 26728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.7 | 44.9 | 67.3# |
| 57 | 19.8 | 15.1 | 22.7 |
| 100 | 0.4 | 8.6 | 13.0# |

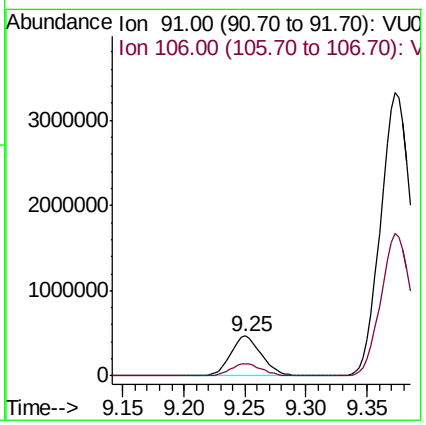


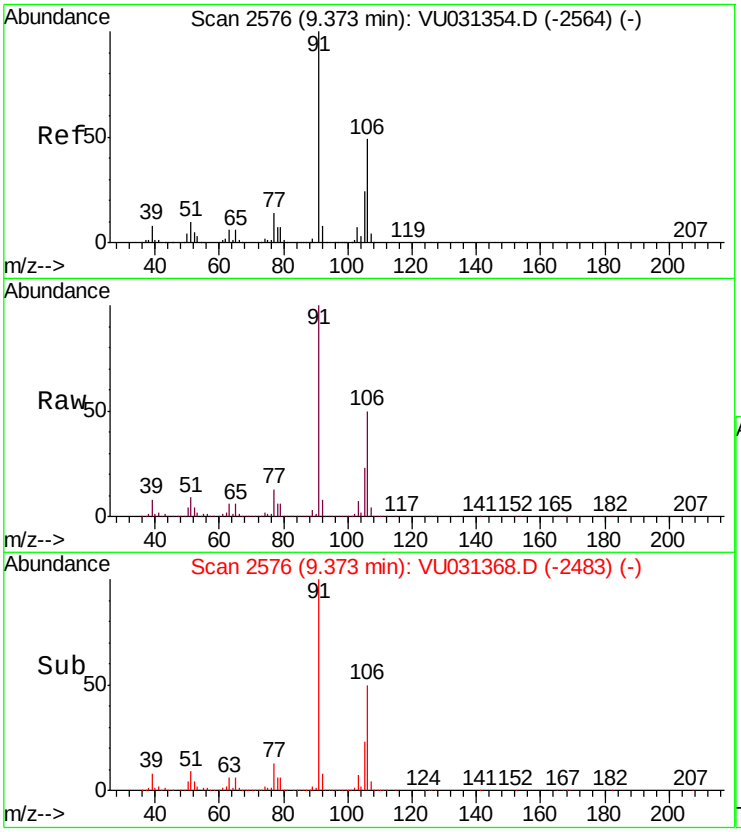




#52
Ethylbenzene
Concen: 37.567 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

Tgt Ion: 91 Resp: 827451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 20.9 | 38.7 |



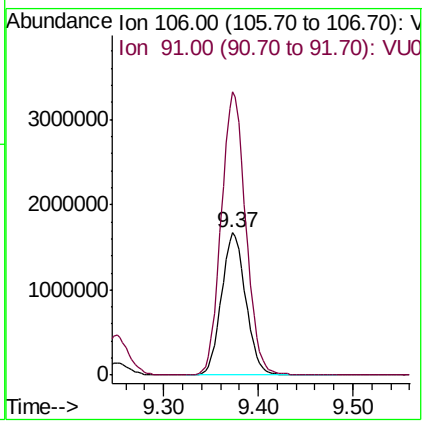


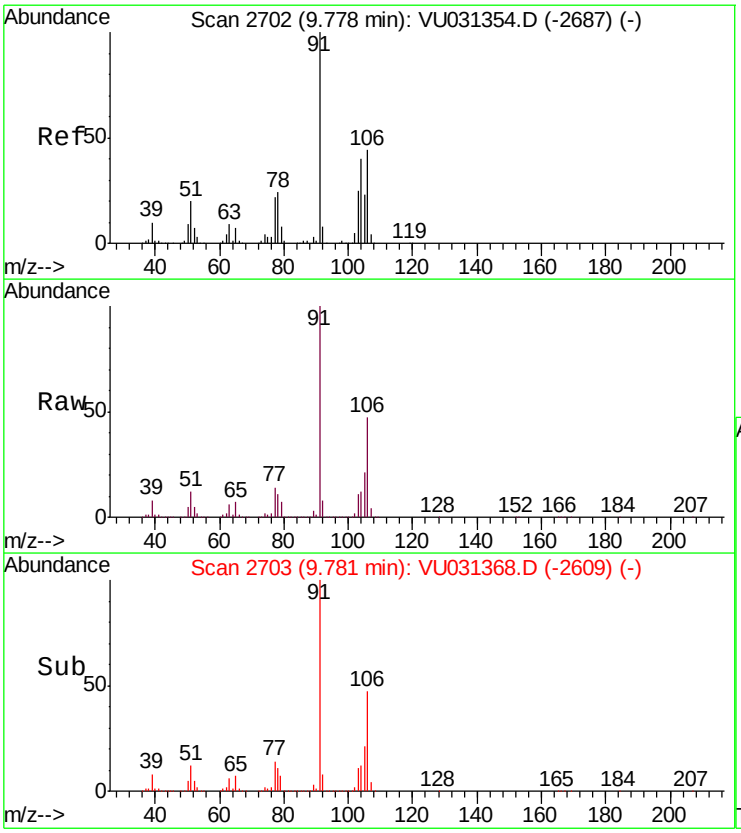

#53
m,p-Xylene
Concen: 383.231 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAHR1

Tgt Ion:106 Resp: 2978758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 199.0 | 144.5 | 268.4 |

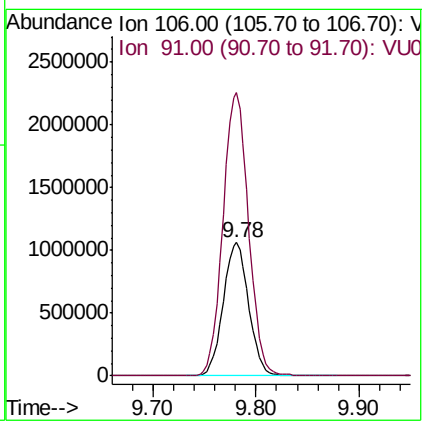


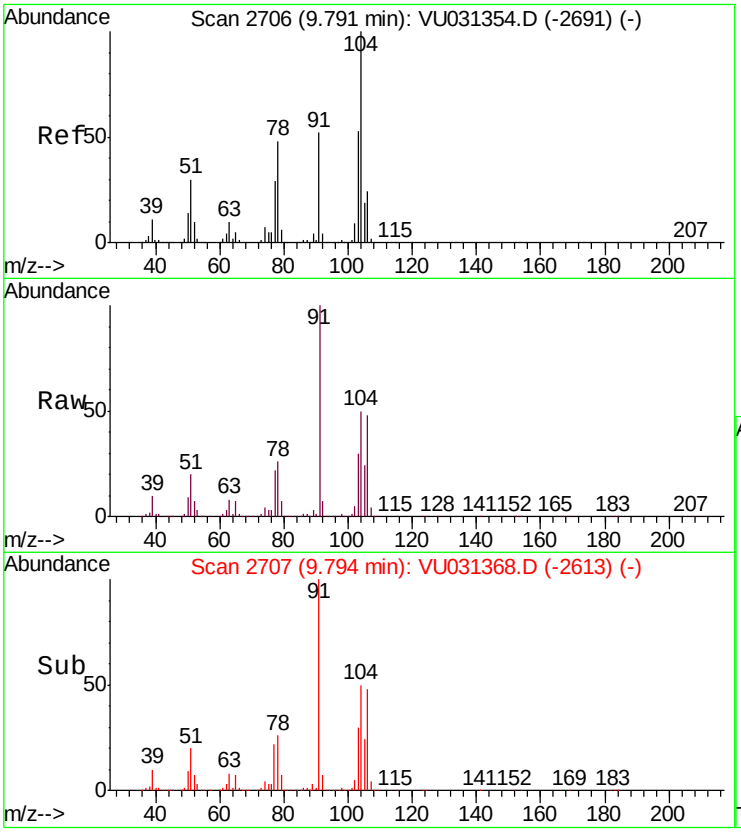




#54
o-xylene
Concen: 231.375 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

Tgt Ion:106 Resp: 1821212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.6 | 154.3 | 286.5 |



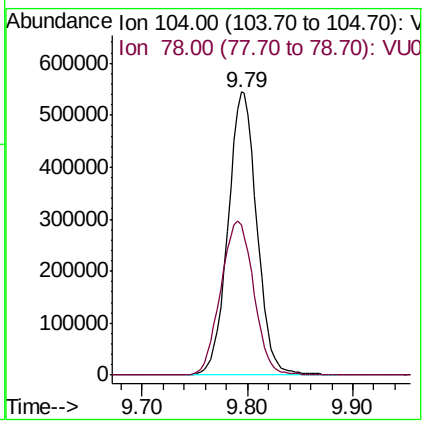


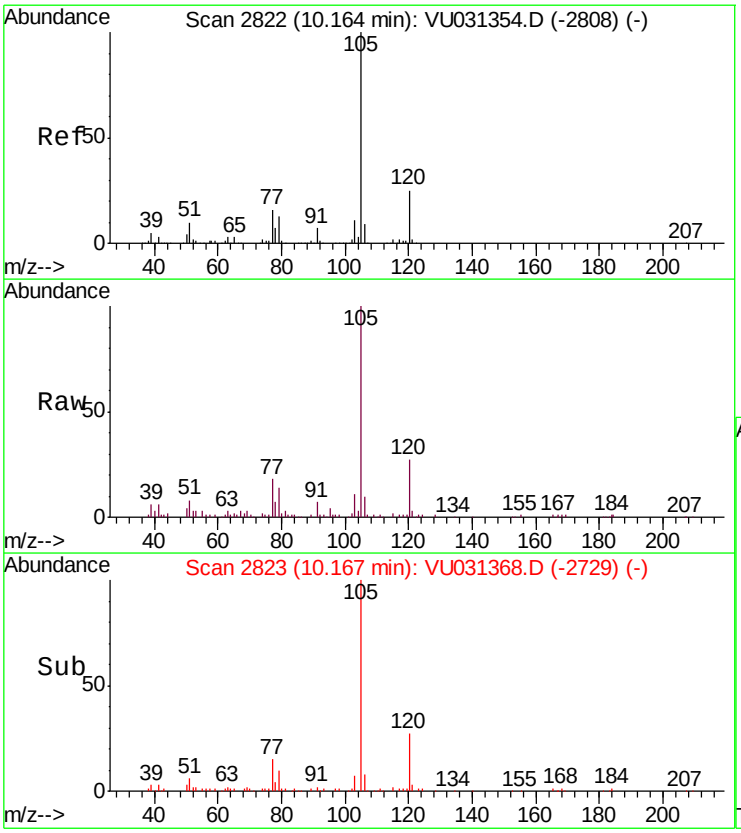

#55
Styrene
Concen: 77.515 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAHR1

Tgt Ion:104 Resp: 1029936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.0 | 32.8 | 61.0 |

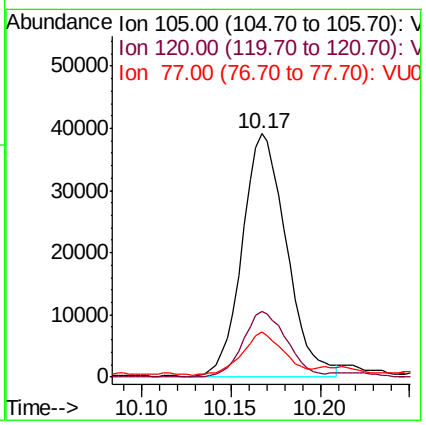


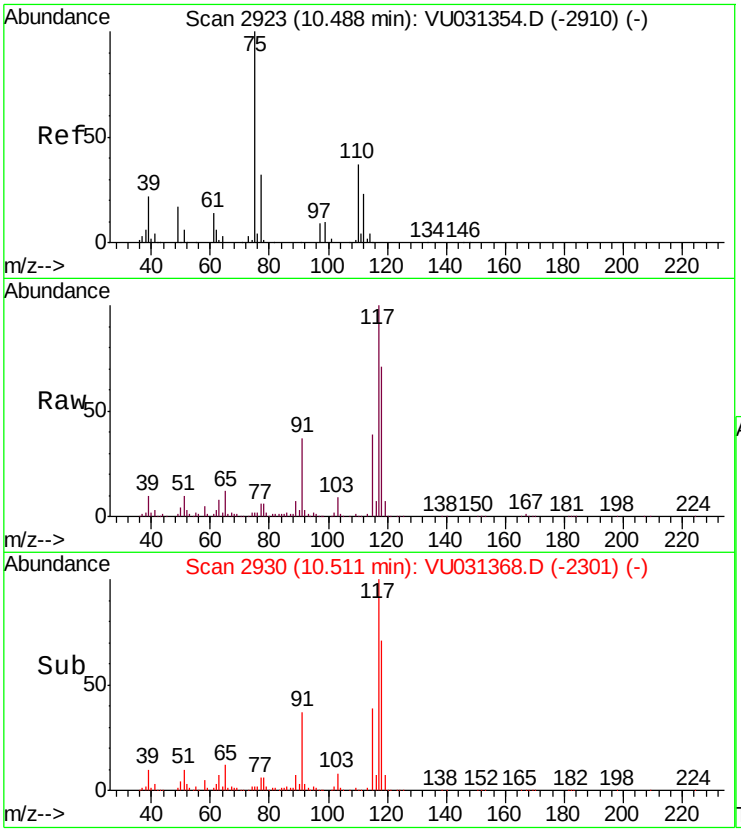




#56
Isopropylbenzene
Concen: 3.382 ug/L
RT: 10.17 min Scan# 2823
Delta R.T. 0.00 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

Tgt Ion:105 Resp: 68226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 20.6 | 31.0 |
| 77 | 16.4 | 13.0 | 19.4 |



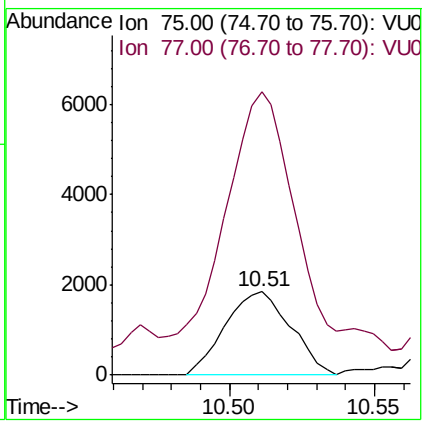


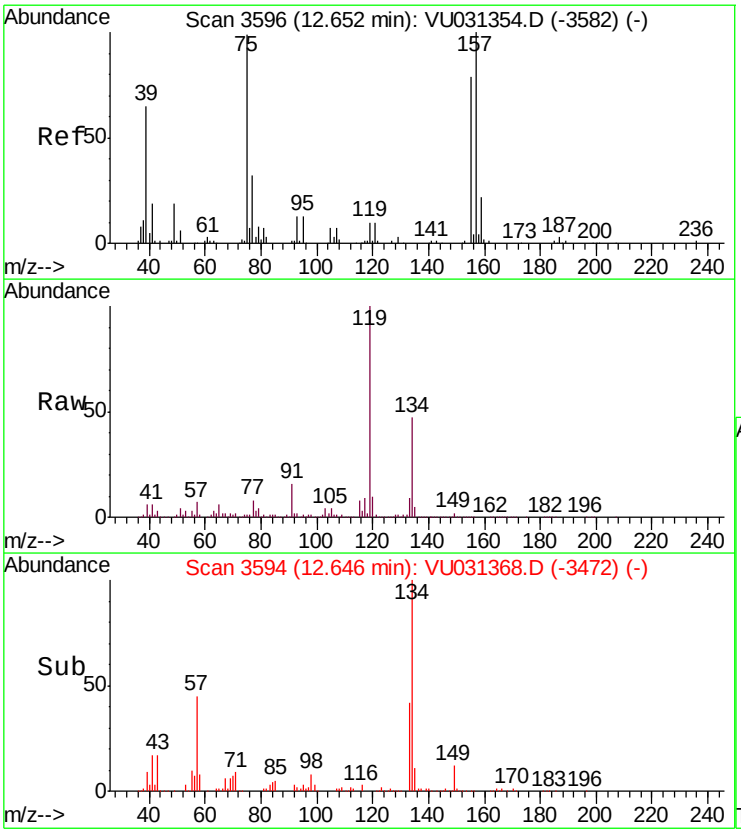

#59
1,2,3-Trichloropropane
Concen: 0.455 ug/L
RT: 10.51 min Scan# 2930
Delta R.T. 0.02 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAHR1

Tgt Ion: 75 Resp: 2915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 291.7 | 25.4 | 38.2# |

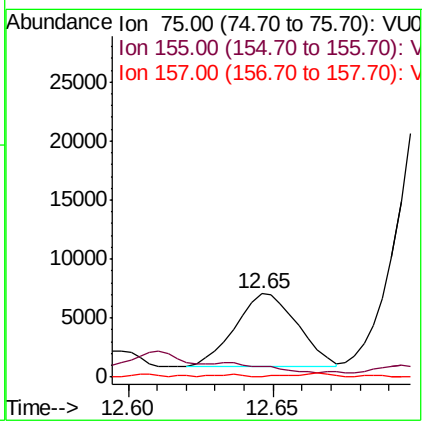


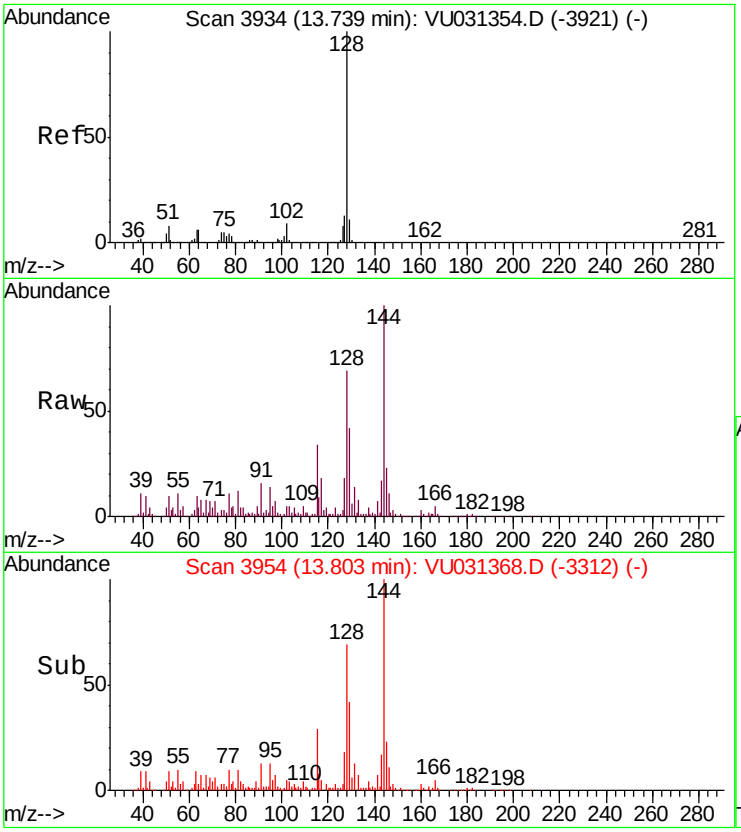




#66
1,2-Dibromo-3-chloropropane
Concen: 4.278 ug/L
RT: 12.65 min Scan# 3594
Delta R.T. -0.01 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

Tgt Ion: 75 Resp: 9113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 13.3 | 66.7 | 100.1# |
| 157 | 0.0 | 86.5 | 129.7# |






#69
Naphthalene
Concen: 17.385 ug/L
RT: 13.80 min Scan# 3954
Delta R.T. 0.06 min
Lab File: VU031368.D
Acq: 19 Apr 2019 18:44

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAHR1

Tgt Ion:128 Resp: 351176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 24.7 | 10.3 | 15.5# |
| 129 | 61.1 | 8.2 | 12.2# |