Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030464.D
Acq On : 26 Mar 2019 23:25
Operator : JC/SP
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DB6R9

Quant Time: Mar 27 08:07:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 451709 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 431327 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 191738 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 178900 | 49.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 98.42% | | | |
| 7) Chloroethane-d5 | 1.66 | 69 | 142205 | 49.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 98.70% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 250681 | 36.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 72.70% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 369531 | 108.13 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 108.13% | | | |
| 24) Chloroform-d | 4.64 | 84 | 305310 | 48.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.48% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 211498 | 51.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 103.20% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 628761 | 50.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.66% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 226594 | 53.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 107.08% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 543480 | 48.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.84% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 94513 | 47.49 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 94.98% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 238752 | 104.11 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 104.11% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 311875 | 51.50 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 103.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 195451 | 50.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.74% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 29) Cyclohexane | 4.99 | 56 | 15895 | 2.435 | ug/L | 99 |
| 33) Benzene | 5.38 | 78 | 565029 | 38.482 | ug/L | 100 |
| 35) Methylcyclohexane | 6.41 | 83 | 9027 | 1.520 | ug/L | 95 |
| 42) Toluene | 7.63 | 91 | 2288703 | 150.195 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.59 | 107 | 3896 | 1.031 | ug/L # | 91 |
| 52) Ethylbenzene | 9.25 | 91 | 344706 | 20.882 | ug/L | 100 |
| 53) m,p-Xylene | 9.37 | 106 | 423097 | 70.986 | ug/L | 100 |
| 54) o-xylene | 9.77 | 106 | 196972 | 33.869 | ug/L | 100 |

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

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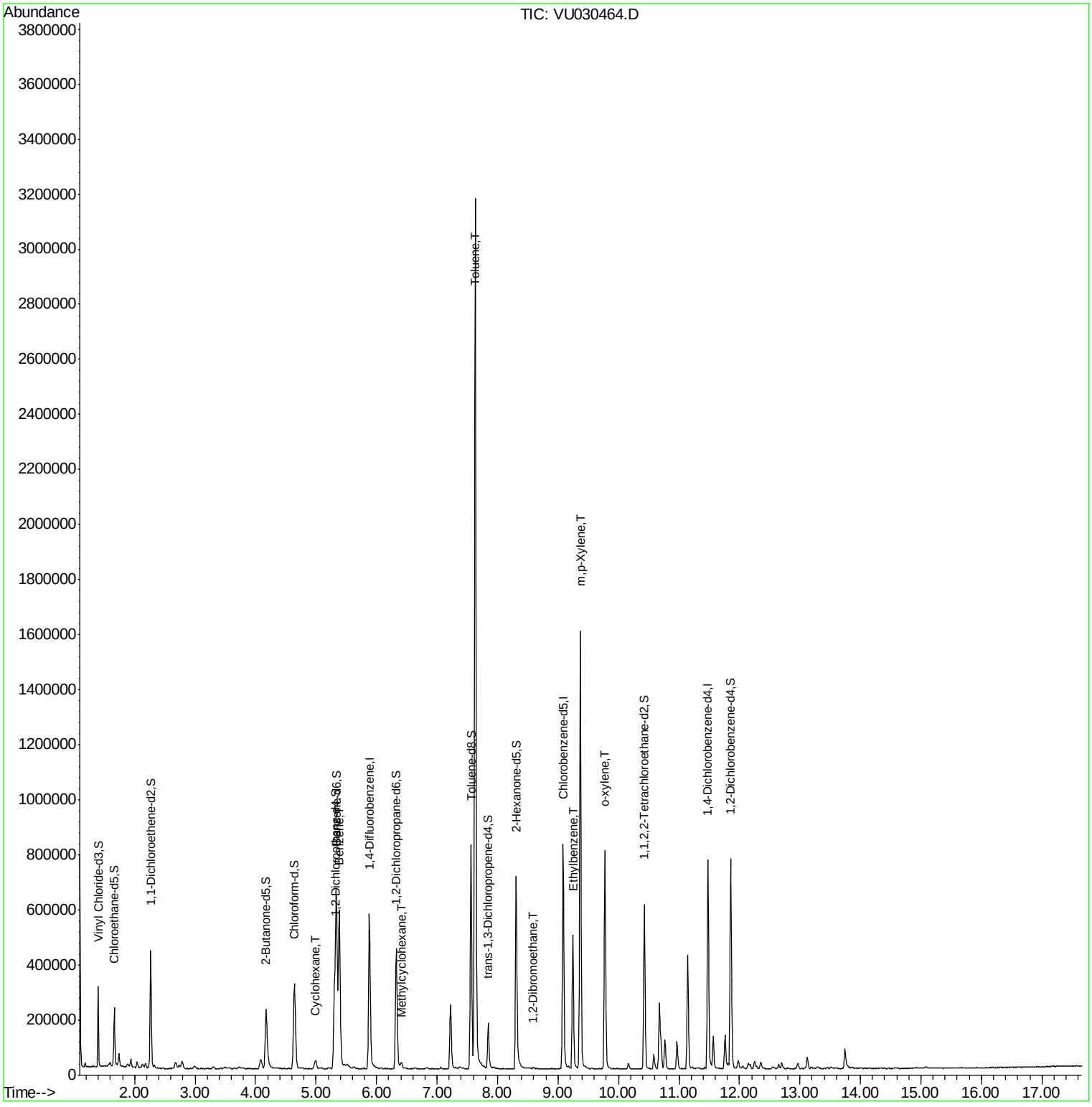
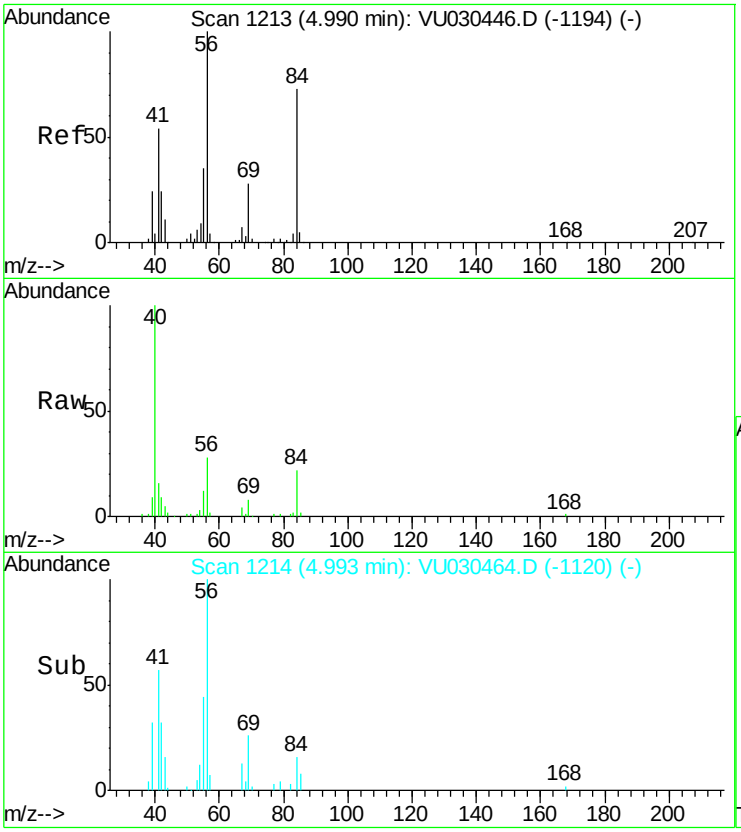
Sample : K2063-09 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DB6R9

Quant Time: Mar 27 08:07:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration



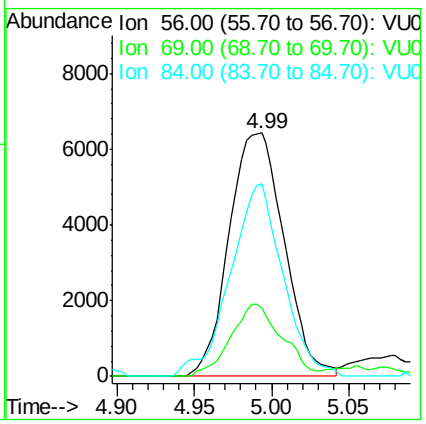


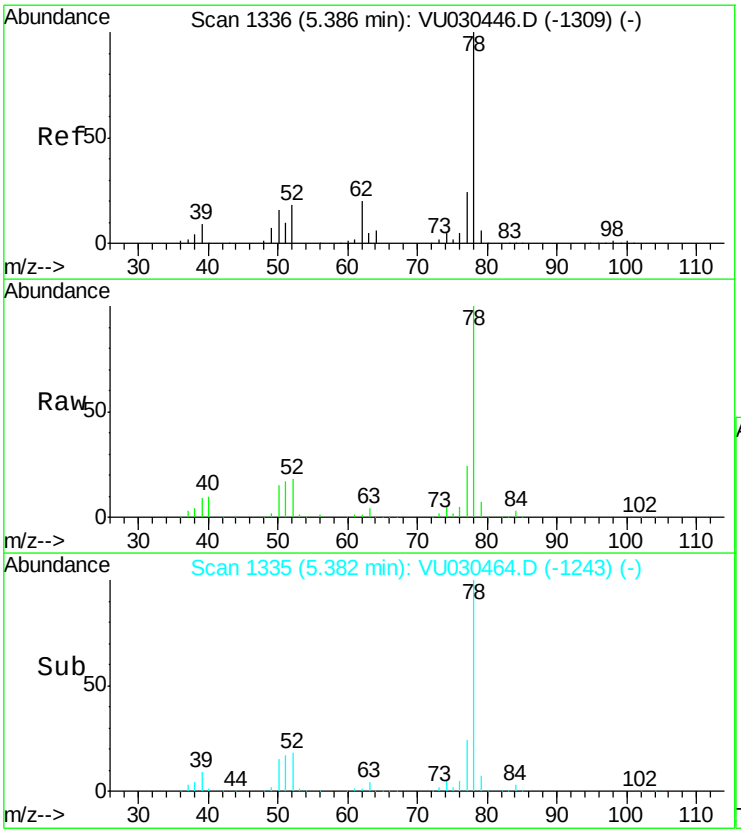

#29
Cyclohexane
Concen: 2.435 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

**Instrument :** MSVOA_U
**ClientSampleId :** DB6R9

Tgt Ion: 56 Resp: 15895

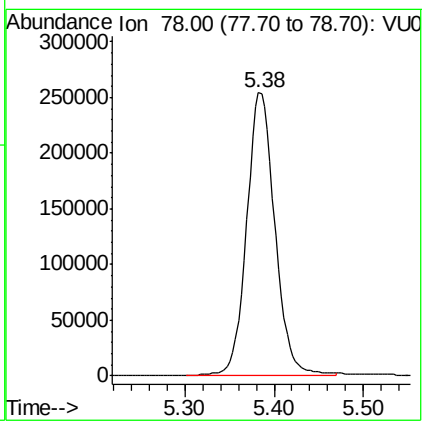
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.5 | 22.9 | 34.3 |
| 84 | 73.2 | 58.9 | 88.3 |

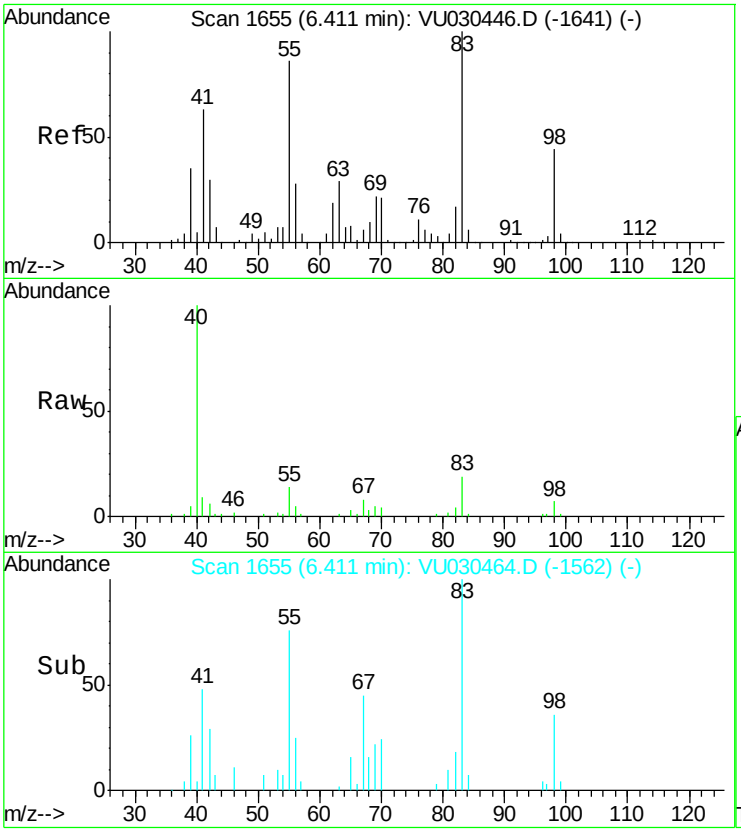



#33
Benzene
Concen: 38.482 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion: 78 Resp: 565029



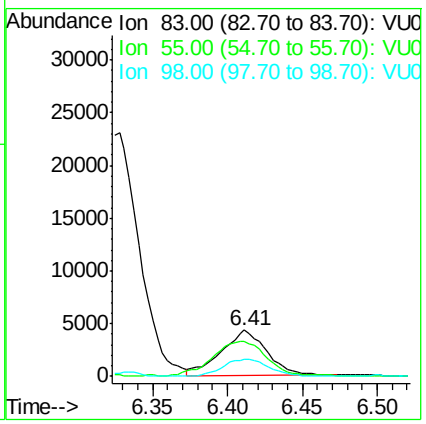


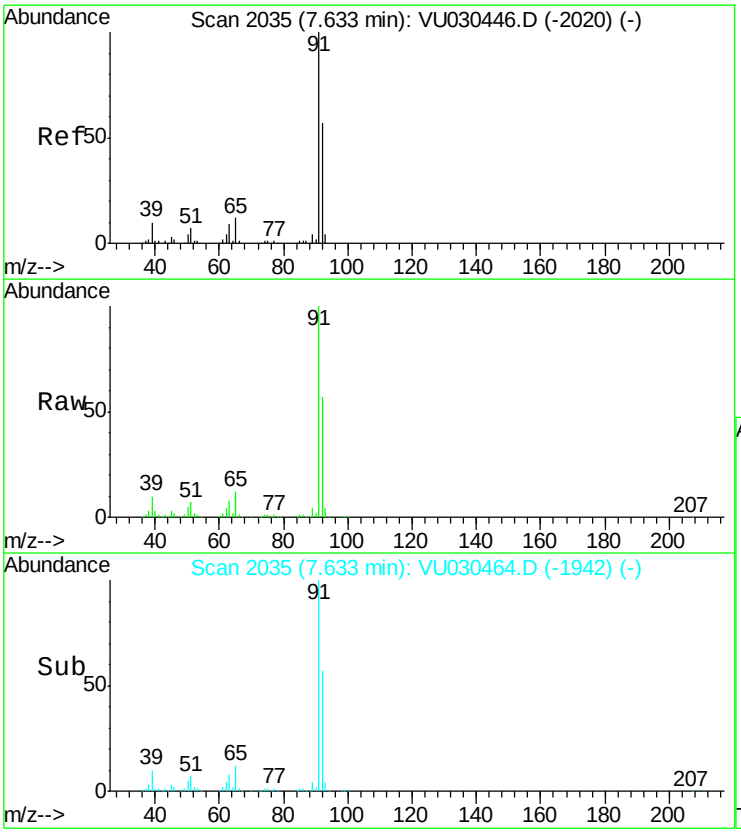

#35
Methylcyclohexane
Concen: 1.520 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB6R9

Tgt Ion: 83 Resp: 9027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 91.6 | 71.4 | 107.0 |
| 98 | 38.6 | 36.0 | 54.0 |

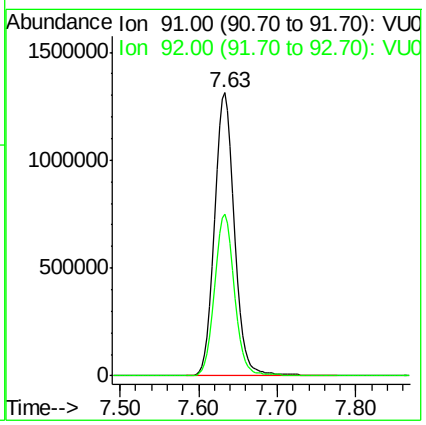


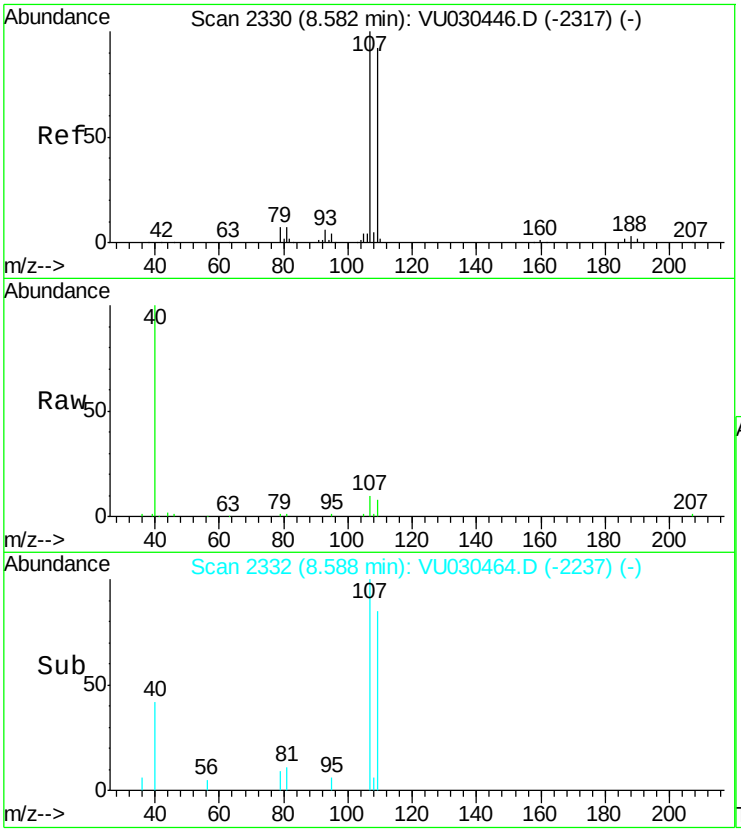




#42
Toluene
Concen: 150.195 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion: 91 Resp: 2288703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.4 | 39.7 | 73.7 |



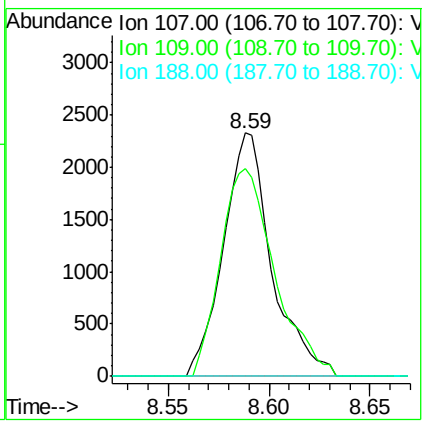


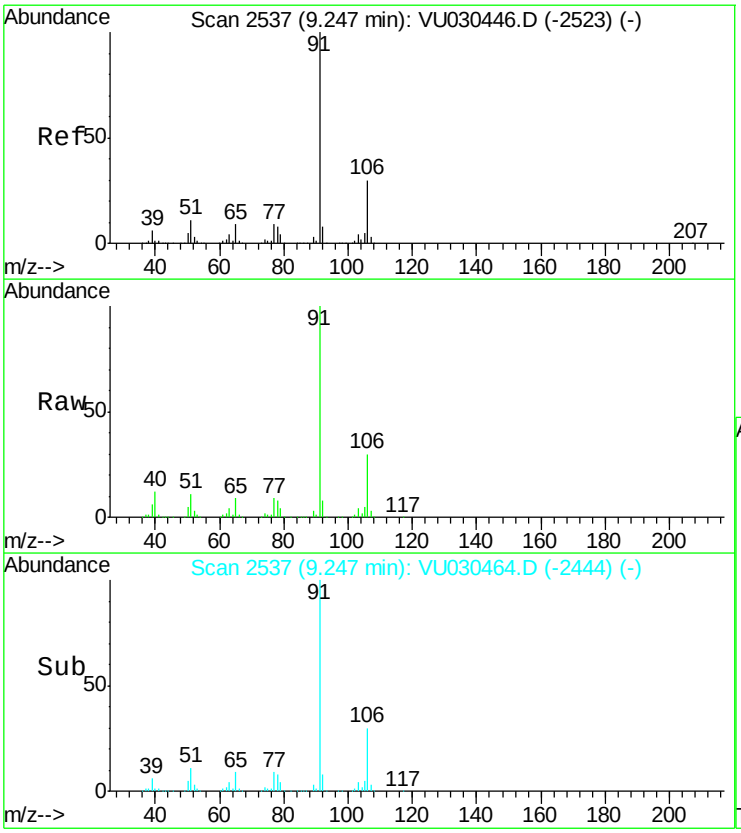

#50
1,2-Dibromoethane
Concen: 1.031 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

**Instrument :** MSVOA_U
**ClientSampleId :** DB6R9

Tgt Ion:107 Resp: 3896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 85.1 | 65.8 | 122.2 |
| 188 | 0.0 | 2.6 | 4.0# |

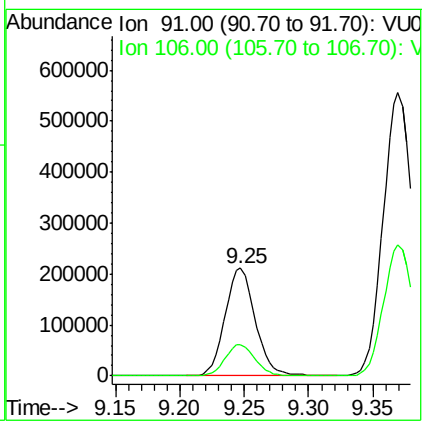


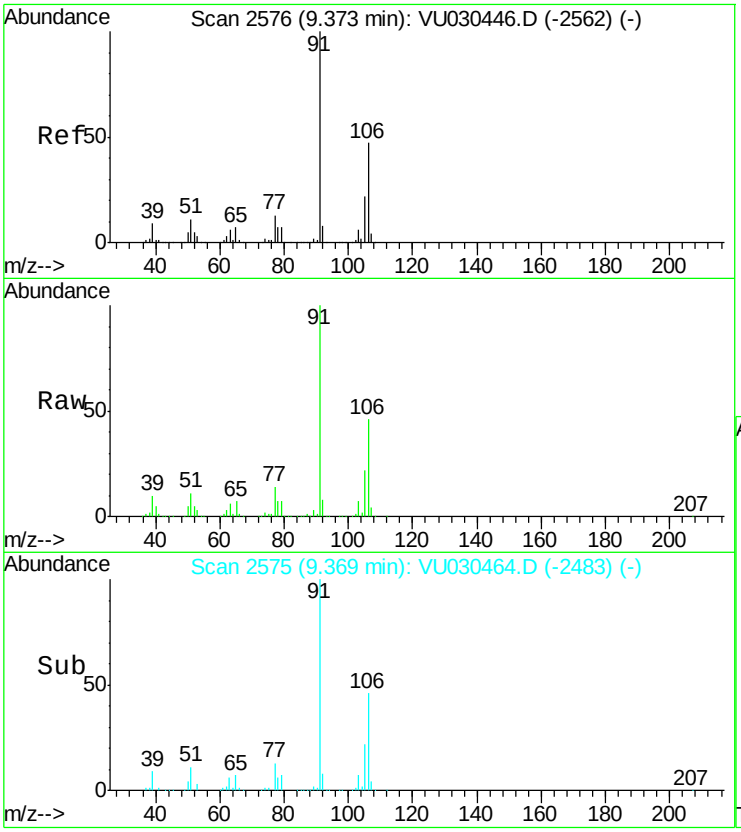




#52
Ethylbenzene
Concen: 20.882 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion: 91 Resp: 344706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 20.6 | 38.2 |



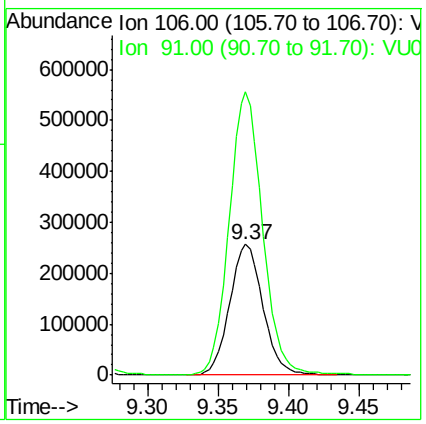


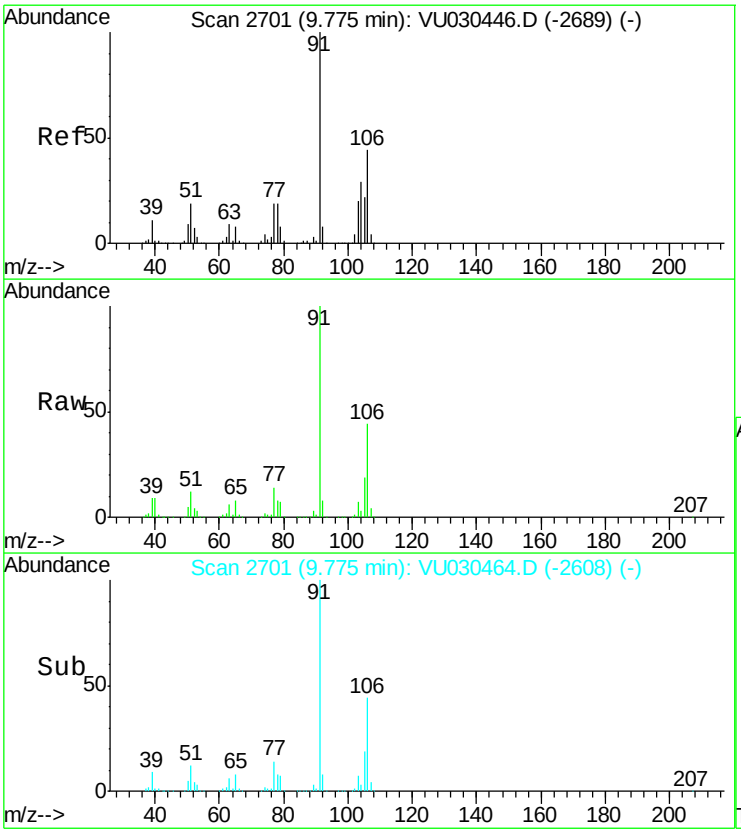

#53
m,p-Xylene
Concen: 70.986 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB6R9

Tgt Ion:106 Resp: 423097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.3 | 151.2 | 280.8 |




#54
o-xylene
Concen: 33.869 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030464.D
Acq: 26 Mar 2019 23:25

Tgt Ion:106 Resp: 196972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 228.2 | 159.6 | 296.4 |