Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFDH8

Quant Time: Sep 20 05:05:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 471011 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 453127 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152 | 206693 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 227221 | 47.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 94.24% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 181751 | 48.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 97.54% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 301972 | 36.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 73.96% | | | |
| 21) 2-Butanone-d5 | 4.15 | 46 | 393712 | 106.53 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 106.53% | | | |
| 24) Chloroform-d | 4.62 | 84 | 341989 | 48.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.58% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.29 | 65 | 254137 | 49.32 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.64% | | | |
| 32) Benzene-d6 | 5.32 | 84 | 702020 | 49.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 99.96% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 246217 | 50.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 100.32% | | | |
| 41) Toluene-d8 | 7.54 | 98 | 657696 | 49.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.44% | | | |
| 43) trans-1,3-Dichloropropene- | 7.83 | 79 | 115245 | 49.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 98.04% | | | |
| 47) 2-Hexanone-d5 | 8.29 | 63 | 255717 | 103.72 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 103.72% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 320143 | 47.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 94.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.84 | 152 | 217928 | 50.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.56% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.31 | 43 | 23528 | 5.473 | ug/L | 96 |
| 16) Methylene chloride | 2.68 | 84 | 4818 | 1.234 | ug/L | 88 |
| 42) Toluene | 7.62 | 91 | 19837 | 1.168 | ug/L | 99 |
| 52) Ethylbenzene | 9.23 | 91 | 33426 | 1.748 | ug/L | 96 |
| 53) m,p-Xylene | 9.35 | 106 | 41632 | 6.146 | ug/L | 98 |
| 54) o-xylene | 9.76 | 106 | 37526 | 5.601 | ug/L | 96 |
| 65) 1,2-Dichlorobenzene | 11.85 | 146 | 10264 | 1.419 | ug/L | 95 |

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

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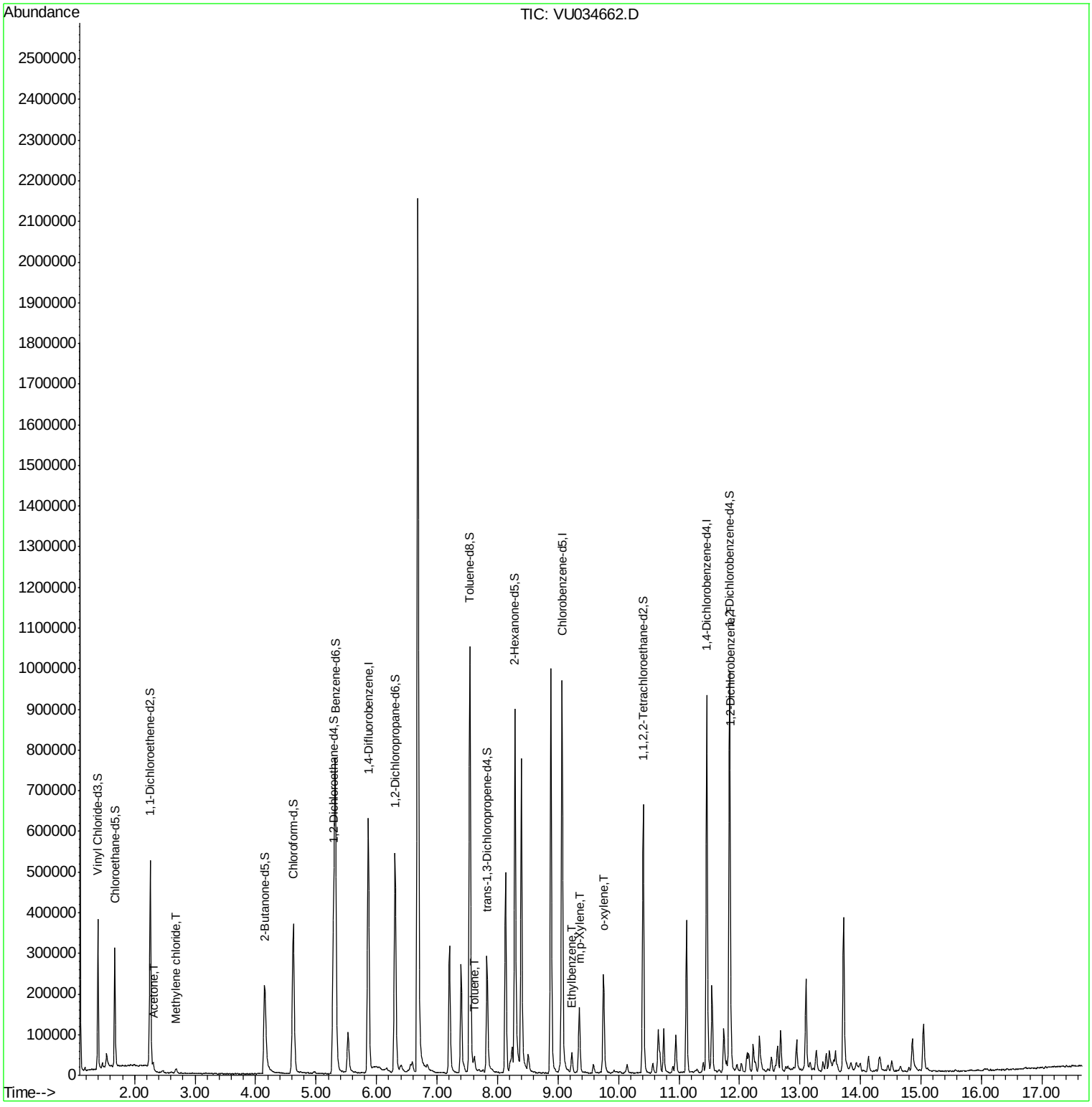
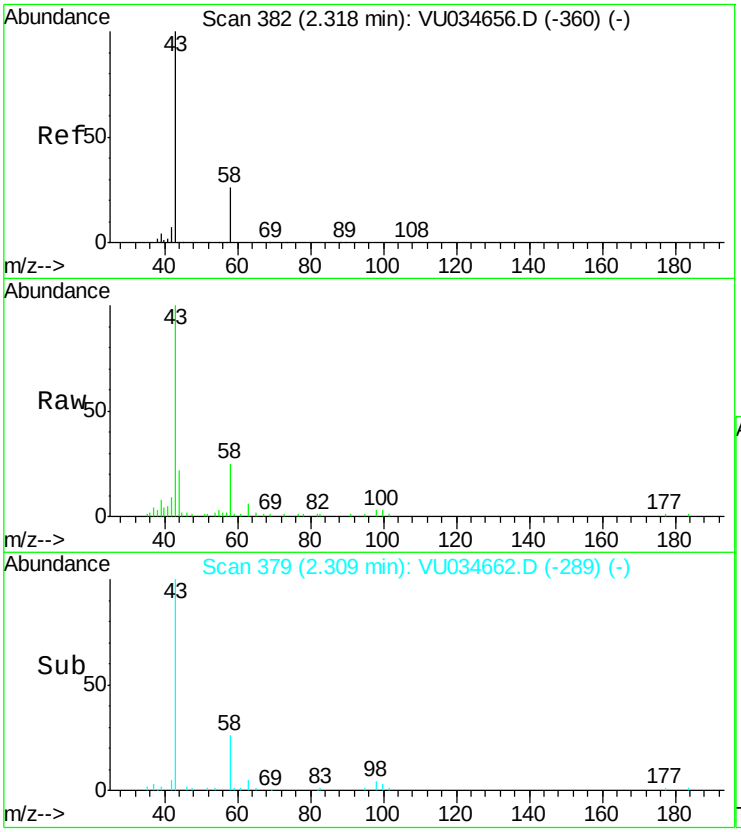
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration



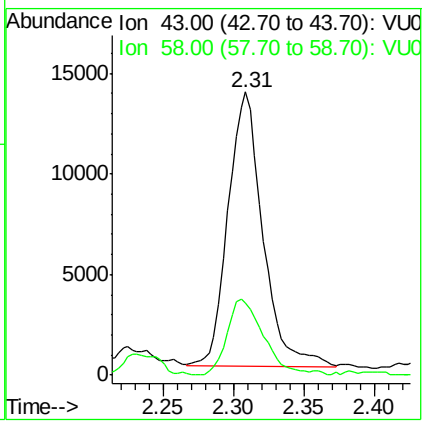


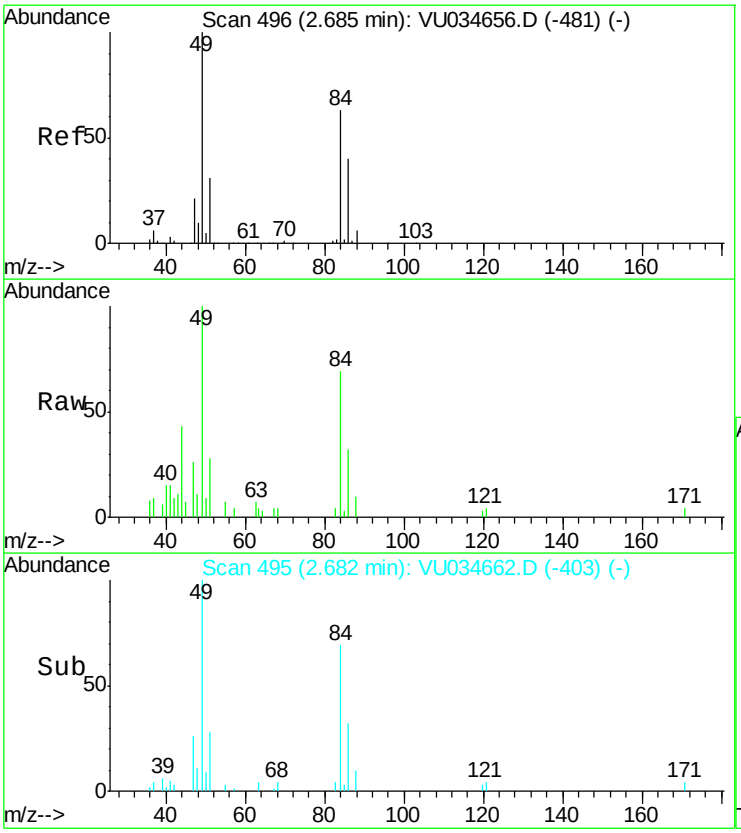

#13
Acetone
Concen: 5.473 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.01 min
Lab File: VU034662.D
Acq: 19 Sep 2019 21:26

**Instrument :** MSVOA_U
**ClientSampleId :** BFDH8

Tgt Ion: 43 Resp: 23528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.8 | 0.0 | 53.4 |

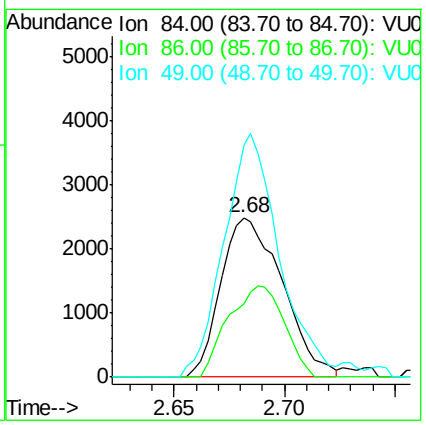


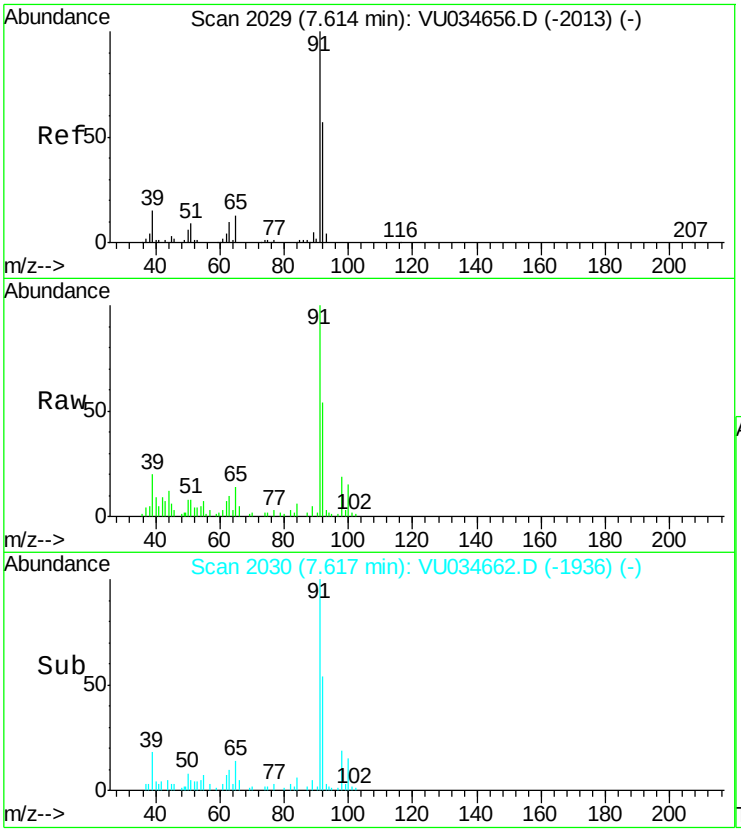




#16
Methylene chloride
Concen: 1.234 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034662.D
Acq: 19 Sep 2019 21:26

Tgt Ion: 84 Resp: 4818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 46.1 | 43.0 | 80.0 |
| 49 | 145.7 | 109.7 | 203.7 |



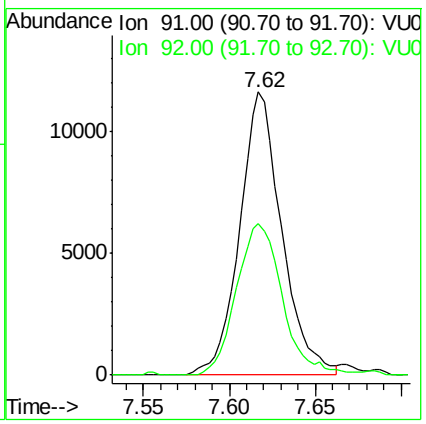


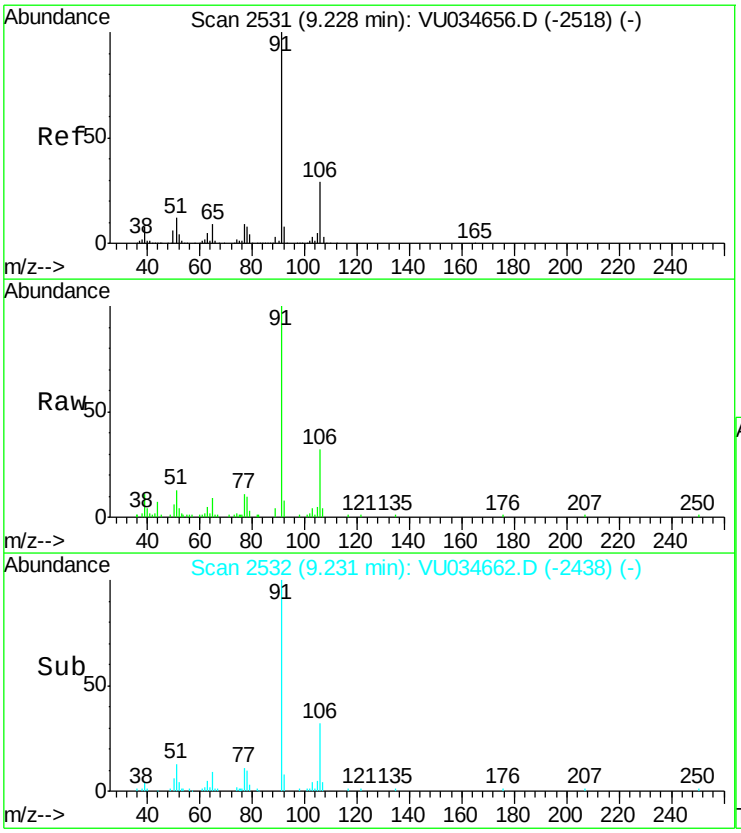

#42
Toluene
Concen: 1.168 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034662.D
Acq: 19 Sep 2019 21:26

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFDH8

Tgt Ion: 91 Resp: 19837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.7 | 38.2 | 71.0 |

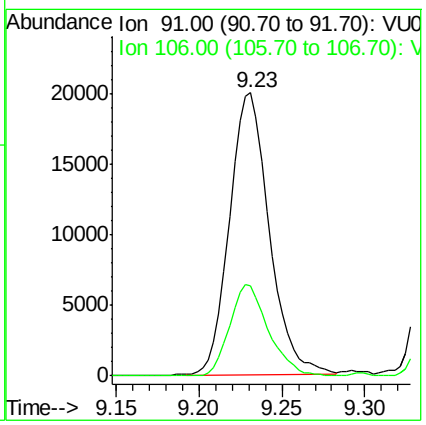


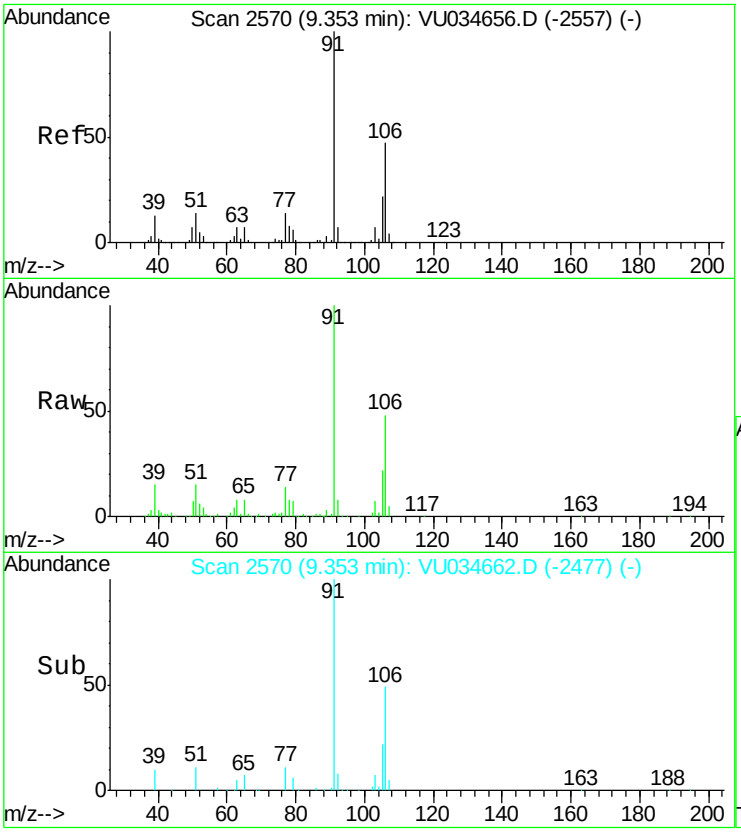




#52
Ethylbenzene
Concen: 1.748 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034662.D
Acq: 19 Sep 2019 21:26

Tgt Ion: 91 Resp: 33426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.7 | 20.6 | 38.4 |



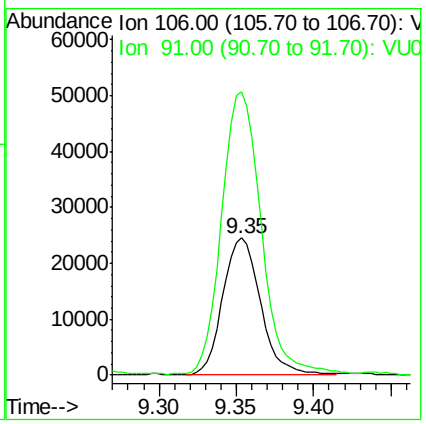


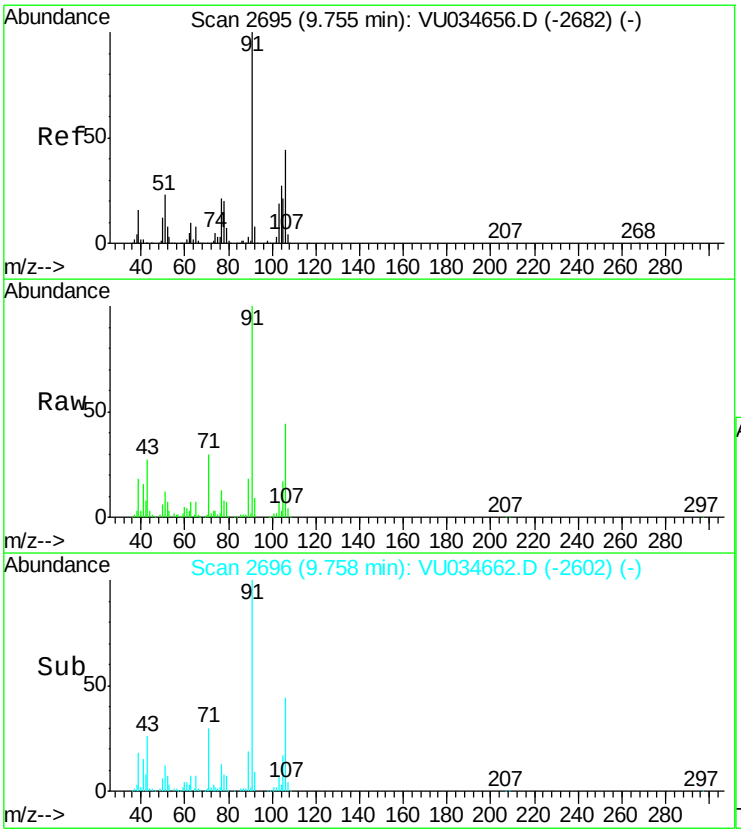

#53
m,p-Xylene
Concen: 6.146 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034662.D
Acq: 19 Sep 2019 21:26

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFDH8

Tgt Ion:106 Resp: 41632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 146.9 | 272.7 |

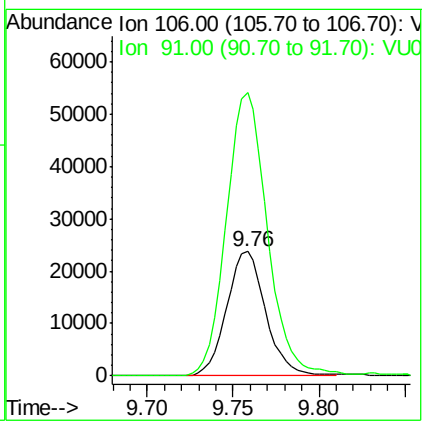


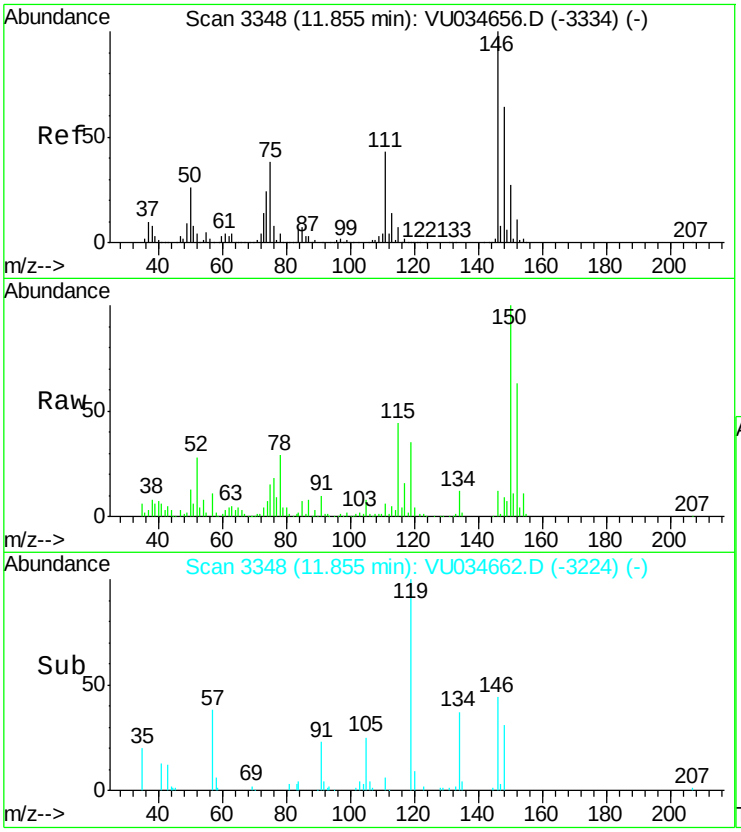




#54
o-xylene
Concen: 5.601 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034662.D
Acq: 19 Sep 2019 21:26

Tgt Ion:106 Resp: 37526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 228.2 | 155.6 | 289.0 |






#65
1,2-Dichlorobenzene
Concen: 1.419 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU034662.D
Acq: 19 Sep 2019 21:26

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFDH8

Tgt Ion:146 Resp: 10264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.7 | 35.2 | 52.8 |
| 148 | 71.3 | 53.0 | 79.6 |