Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020620\

Quantitation Report (Not Reviewed)

Data File : VW014893.D
Acq On : 06 Feb 2020 12:44
Operator : SY/VA
Sample : L1324-18
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** GAT73

Quant Time: Feb 07 06:01:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 05:58:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.84 | 114 | 965359 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.63 | 117 | 866060 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 327423 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.35 | 65 | 311786 | 19.51 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 78.04% | | | |
| 7) Chloroethane-d5 | 2.89 | 69 | 304448 | 23.79 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 95.16% | | | |
| 10) 1,1-Dichloroethene-d2 | 4.02 | 63 | 478691 | 16.39 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 65.56% | | | |
| 20) 2-Butanone-d5 | 7.07 | 46 | 162647 | 36.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 72.52% | | | |
| 24) Chloroform-d | 7.65 | 84 | 679084 | 24.78 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 99.12% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.30 | 65 | 354901 | 23.40 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 93.60% | | | |
| 29) Benzene-d6 | 8.27 | 84 | 1358560 | 24.39 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 97.56% | | | |
| 33) 1,2-Dichloropropane-d6 | 9.27 | 67 | 456478 | 25.15 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 100.60% | | | |
| 37) Toluene-d8 | 10.32 | 98 | 1156258 | 23.59 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 94.36% | | | |
| 38) trans-1,3-Dichloropropene- | 10.58 | 79 | 139777 | 19.50 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 78.00% | | | |
| 39) 2-Hexanone-d5 | 10.92 | 63 | 113942 | 34.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 68.88% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84 | 272099 | 19.91 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 79.64% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.85 | 152 | 312410 | 24.61 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 98.44% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 13) Acetone | 4.12 | 43 | 15018 | 3.244 | ug/L | 91 |
| 16) Methylene chloride | 4.91 | 84 | 28578 | 1.625 | ug/L | 96 |
| 44) Toluene | 10.38 | 91 | 48298 | 0.799 | ug/L | 96 |
| 53) Ethylbenzene | 11.73 | 91 | 66638 | 1.008 | ug/L | 97 |
| 54) m,p-Xylene | 11.83 | 106 | 10600 | 0.439 | ug/L | 94 |
| 55) o-xylene | 12.16 | 106 | 10621 | 0.462 | ug/L | 89 |
| 56) Styrene | 12.18 | 104 | 13598 | 0.350 | ug/L | 93 |
| 69) Naphthalene | 15.36 | 128 | 478728 | 19.446 | ug/L | 99 |

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

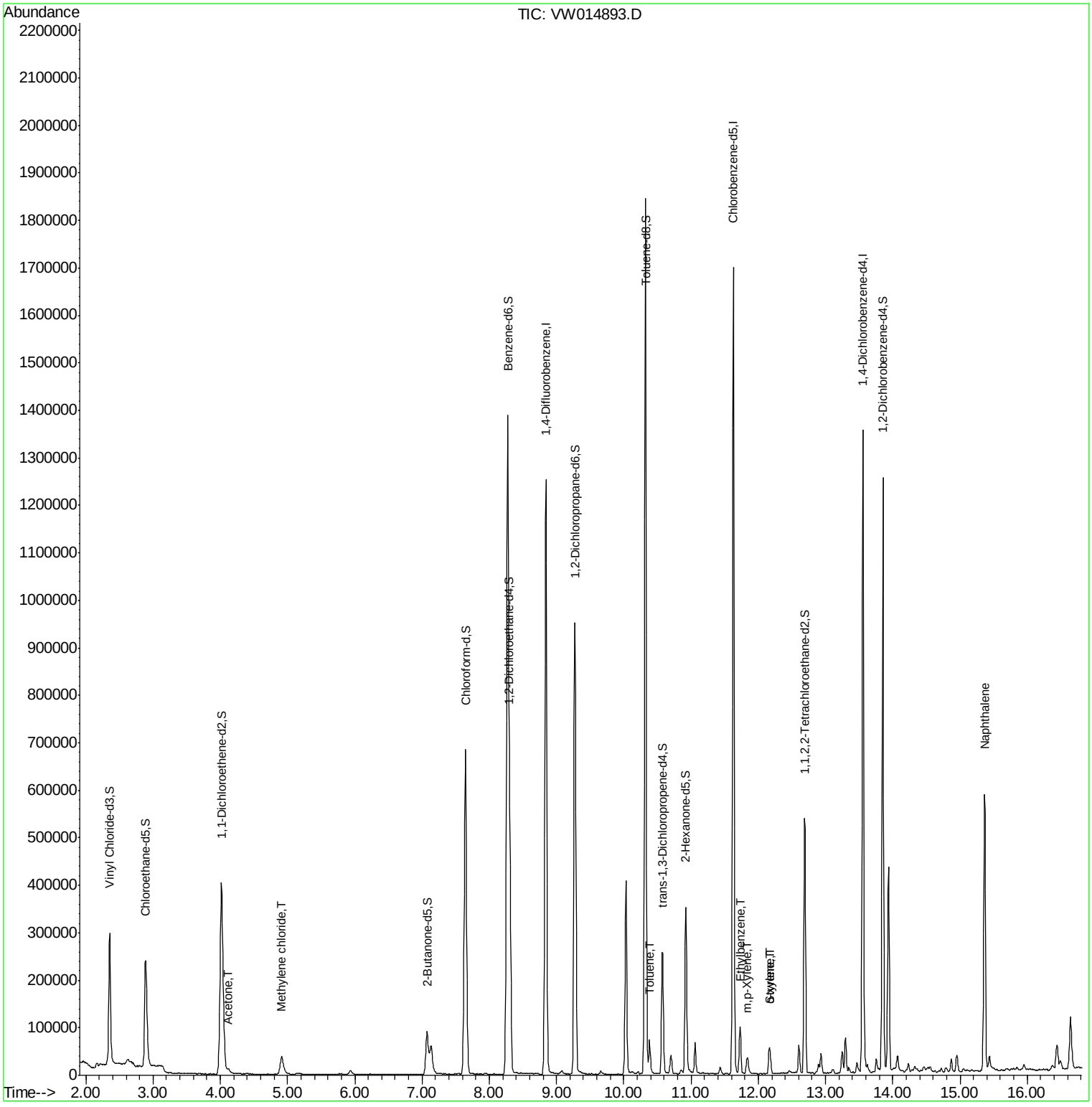
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020620\

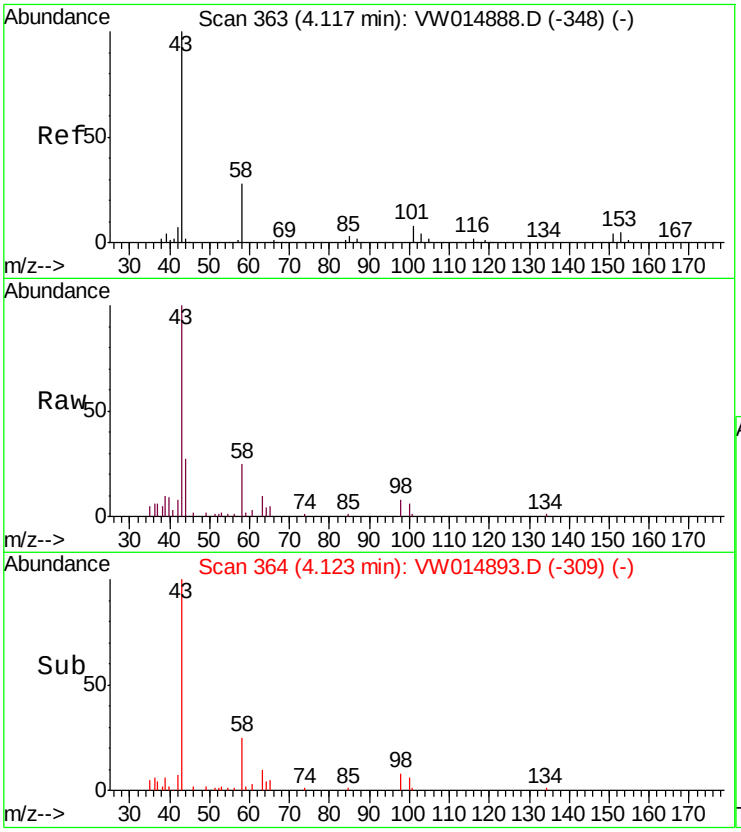
Quantitation Report (Not Reviewed)

Data File : VW014893.D
Acq On : 06 Feb 2020 12:44
Operator : SY/VA
Sample : L1324-18
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GAT73

Quant Time: Feb 07 06:01:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 05:58:53 2020
Response via : Initial Calibration



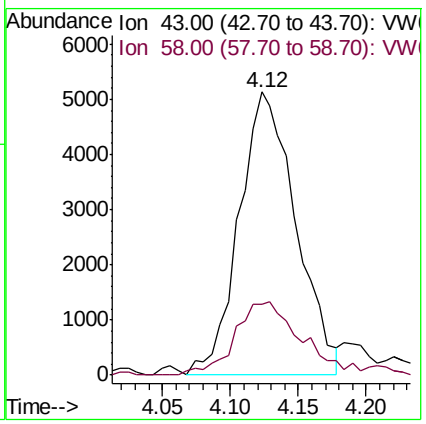


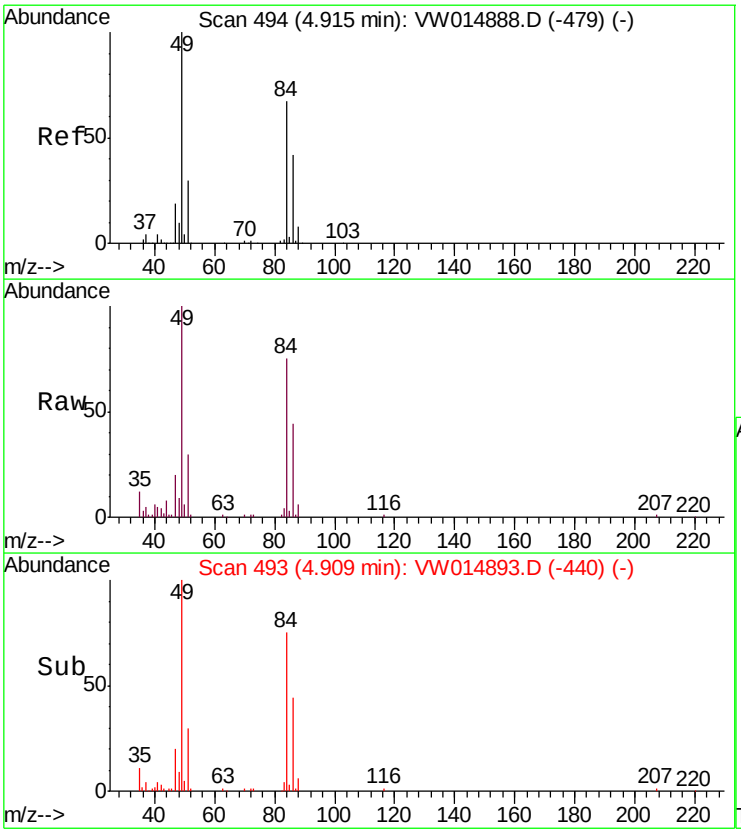

#13
Acetone
Concen: 3.244 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014893.D
Acq: 06 Feb 2020 12:44

**Instrument :** MSVOA_W
**ClientSampleId :** GAT73

Tgt Ion: 43 Resp: 15018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.4 | 0.0 | 60.4 |

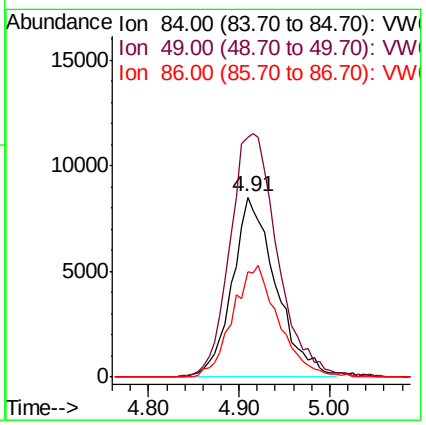


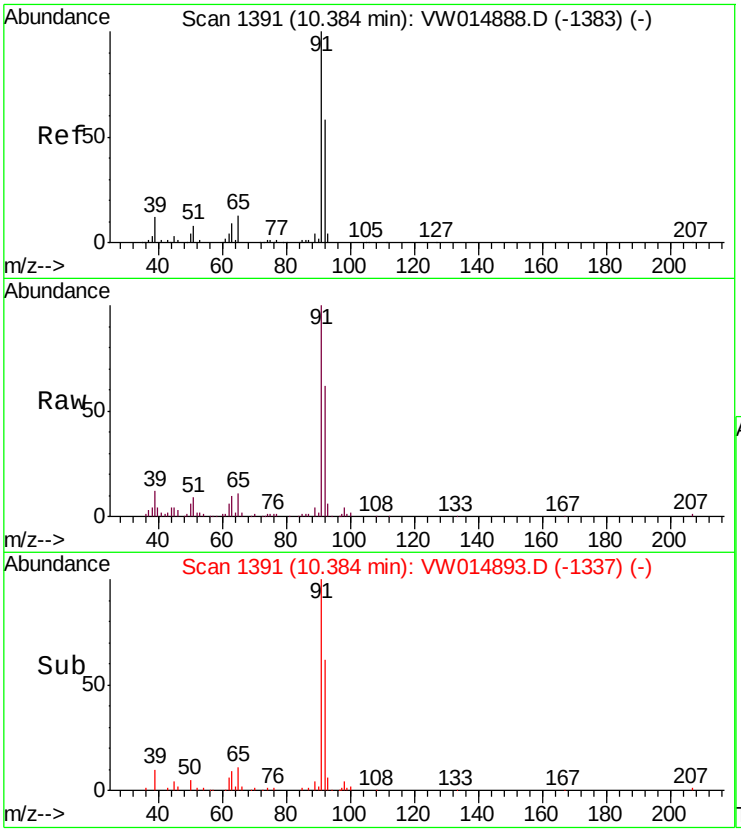




#16
Methylene chloride
Concen: 1.625 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014893.D
Acq: 06 Feb 2020 12:44

Tgt Ion: 84 Resp: 28578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 133.3 | 95.8 | 177.8 |
| 86 | 58.2 | 44.2 | 82.2 |



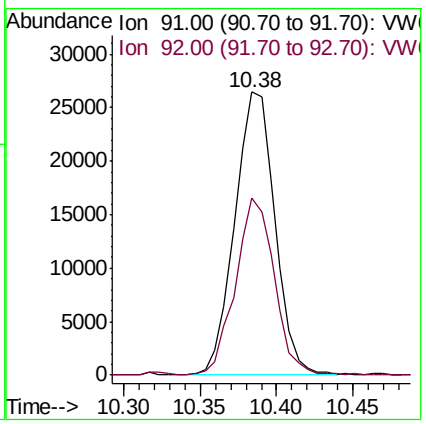


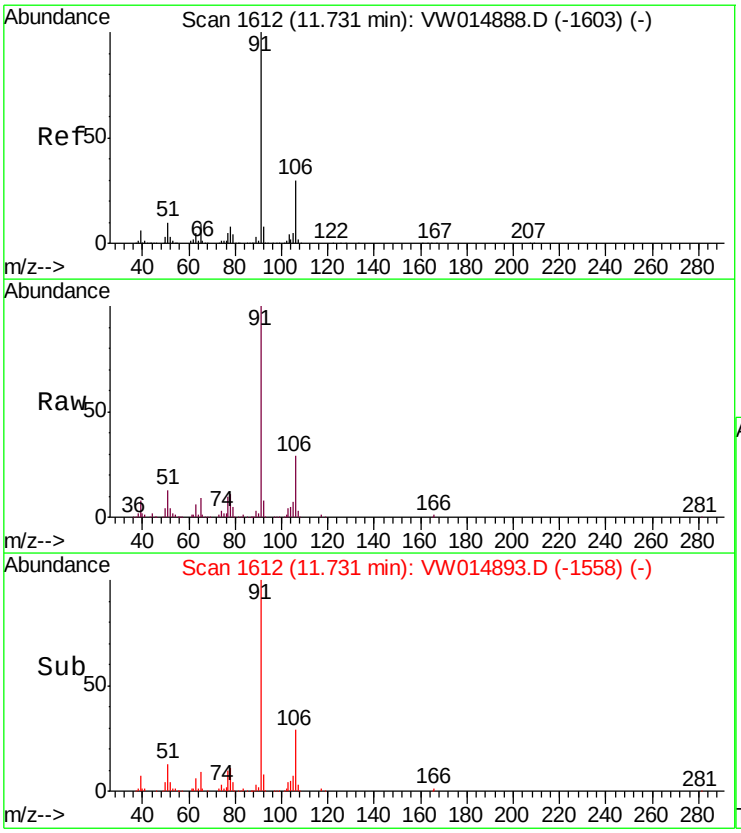

#44
Toluene
Concen: 0.799 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014893.D
Acq: 06 Feb 2020 12:44

**Instrument :** MSVOA_W
**ClientSampleId :** GAT73

Tgt Ion: 91 Resp: 48298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 62.5 | 41.4 | 77.0 |

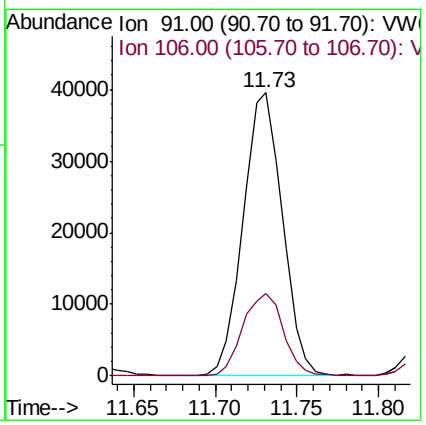


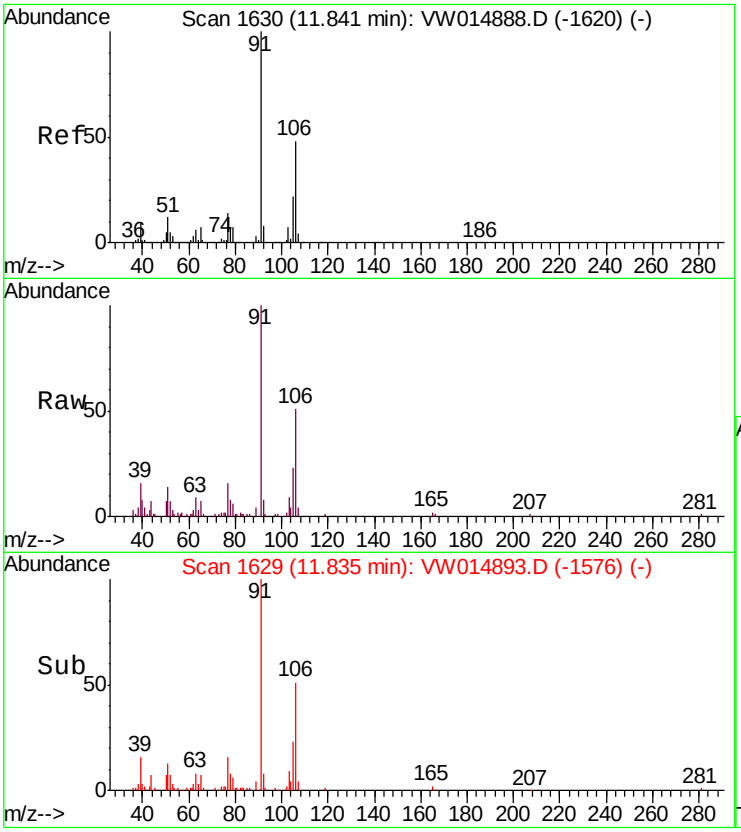




#53
Ethylbenzene
Concen: 1.008 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014893.D
Acq: 06 Feb 2020 12:44

Tgt Ion: 91 Resp: 66638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 21.5 | 39.9 |



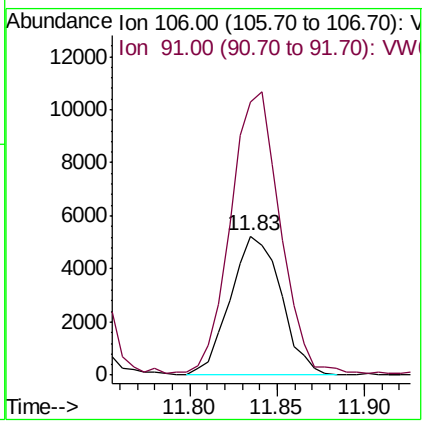


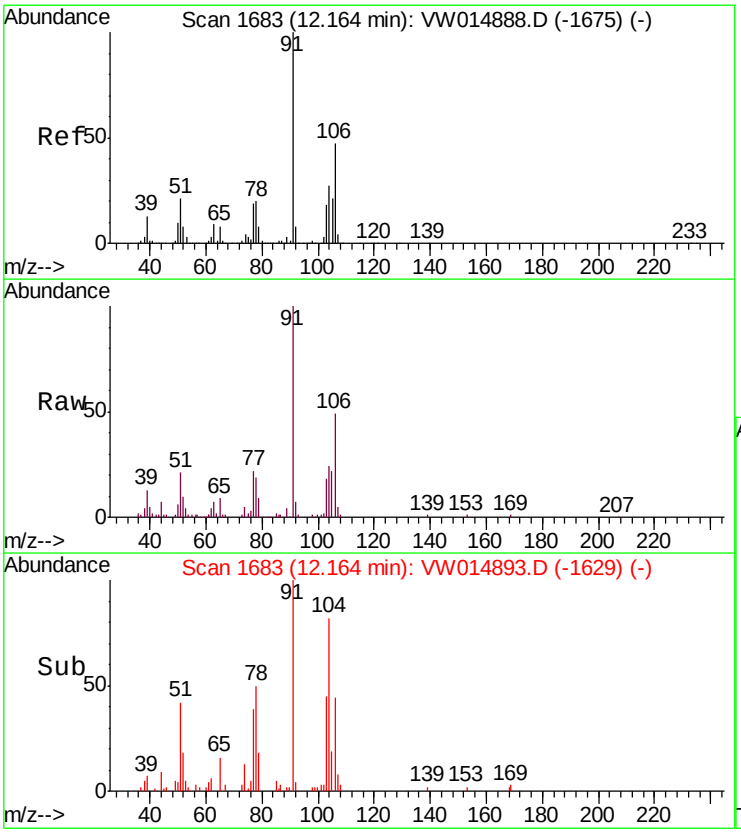

#54
m,p-Xylene
Concen: 0.439 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014893.D
Acq: 06 Feb 2020 12:44

**Instrument :** MSVOA_W
**ClientSampleId :** GAT73

Tgt Ion:106 Resp: 10600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 196.3 | 143.4 | 266.4 |

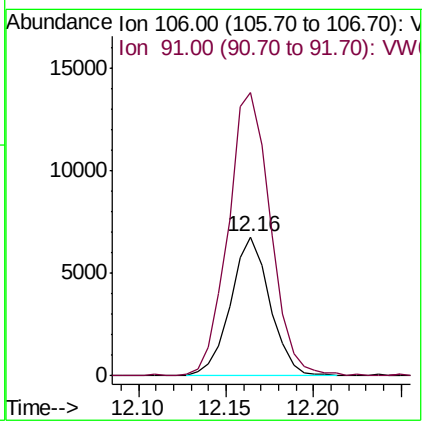


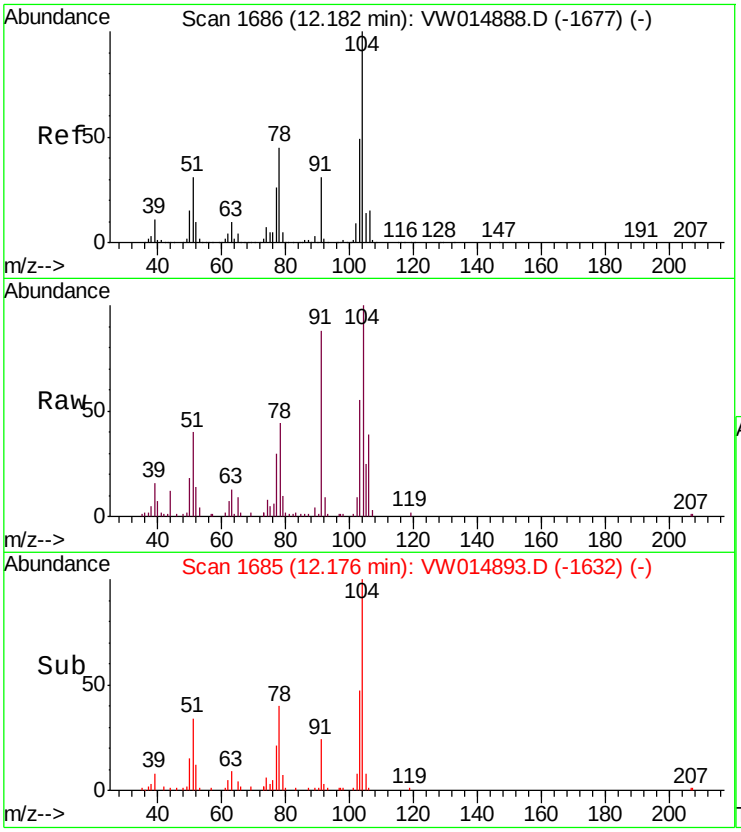




#55
o-xylene
Concen: 0.462 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014893.D
Acq: 06 Feb 2020 12:44

Tgt Ion:106 Resp: 10621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.9 | 155.0 | 287.9 |



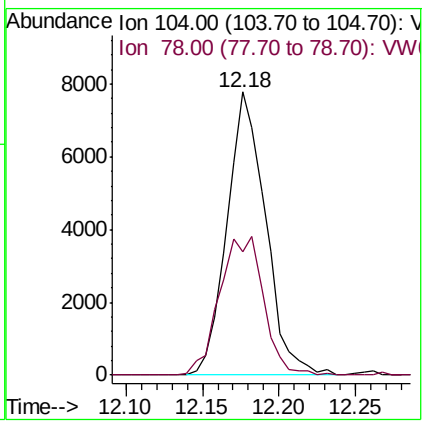


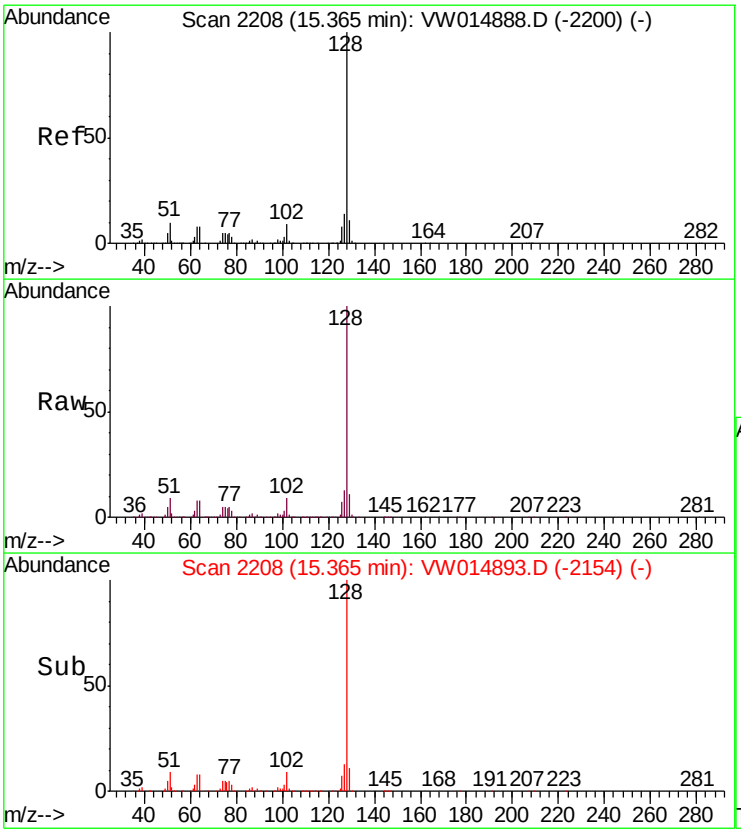

#56
Styrene
Concen: 0.350 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW014893.D
Acq: 06 Feb 2020 12:44

**Instrument :**
MSVOA_W
**ClientSampleId :**
GAT73

Tgt Ion:104 Resp: 13598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 43.7 | 33.8 | 62.8 |




#69
Naphthalene
Concen: 19.446 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014893.D
Acq: 06 Feb 2020 12:44

Tgt Ion:128 Resp: 478728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.7 | 13.1 |
| 127 | 13.4 | 10.5 | 15.7 |