Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061719\

Quantitation Report (Not Reviewed)

Data File : VW010826.D
Acq On : 17 Jun 2019 14:38
Operator : SY/VA
Sample : K3363-07
Misc : 3.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:52:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 05:48:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.84 | 114 | 197821 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.63 | 117 | 98965 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 13616 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.35 | 65 | 63531 | 22.05 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 88.20% | | | |
| 7) Chloroethane-d5 | 2.88 | 69 | 60738 | 27.80 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 111.20% | | | |
| 10) 1,1-Dichloroethene-d2 | 4.09 | 63 | 205 | 0.03 | ug/L | 0.08 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 0.12%# | | | |
| 20) 2-Butanone-d5 | 7.08 | 46 | 53364 | 47.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 94.42% | | | |
| 24) Chloroform-d | 7.65 | 84 | 74243 | 18.26 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 73.04% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.31 | 65 | 86371 | 26.08 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 104.32% | | | |
| 29) Benzene-d6 | 8.27 | 84 | 261051 | 44.18 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 176.72%# | | | |
| 33) 1,2-Dichloropropane-d6 | 9.27 | 67 | 104181 | 54.96 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 219.84%# | | | |
| 37) Toluene-d8 | 10.32 | 98 | 163162 | 30.73 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 122.92% | | | |
| 38) trans-1,3-Dichloropropene- | 10.58 | 79 | 20032 | 23.60 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 94.40% | | | |
| 39) 2-Hexanone-d5 | 10.93 | 63 | 47413 | 104.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 209.36%# | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84 | 84808 | 52.82 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 211.28%# | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.86 | 152 | 19547 | 37.71 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 150.84%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 2.35 | 62 | 3366 | 1.042 | ug/L # | 64 |
| 13) Acetone | 4.13 | 43 | 2187 | 1.801 | ug/L | 96 |
| 14) Carbon disulfide | 4.38 | 76 | 6160 | 0.908 | ug/L # | 90 |
| 16) Methylene chloride | 4.92 | 84 | 8265 | 3.045 | ug/L | 97 |
| 18) trans-1,2-Dichloroethene | 5.43 | 96 | 63804 | 24.878 | ug/L | 97 |
| 21) 2-Butanone | 7.13 | 43 | 5724 | 3.451 | ug/L # | 22 |
| 22) cis-1,2-Dichloroethene | 7.17 | 96 | 321102 | 110.026 | ug/L | 99 |
| 25) Chloroform | 7.68 | 83 | 76398 | 12.421 | ug/L | 100 |
| 35) Trichloroethene | 9.09 | 95 | 684539 | 438.831 | ug/L | 99 |
| 44) Toluene | 10.39 | 91 | 35527 | 5.573 | ug/L | 100 |
| 47) Tetrachloroethene | 10.86 | 164 | 636 | 0.544 | ug/L | 92 |
| 54) m,p-Xylene | 11.83 | 106 | 2440 | 0.928 | ug/L | 67 |
| 55) o-xylene | 12.16 | 106 | 1320 | 0.518 | ug/L | 59 |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061719\

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Data File : VW010826.D
Acq On : 17 Jun 2019 14:38
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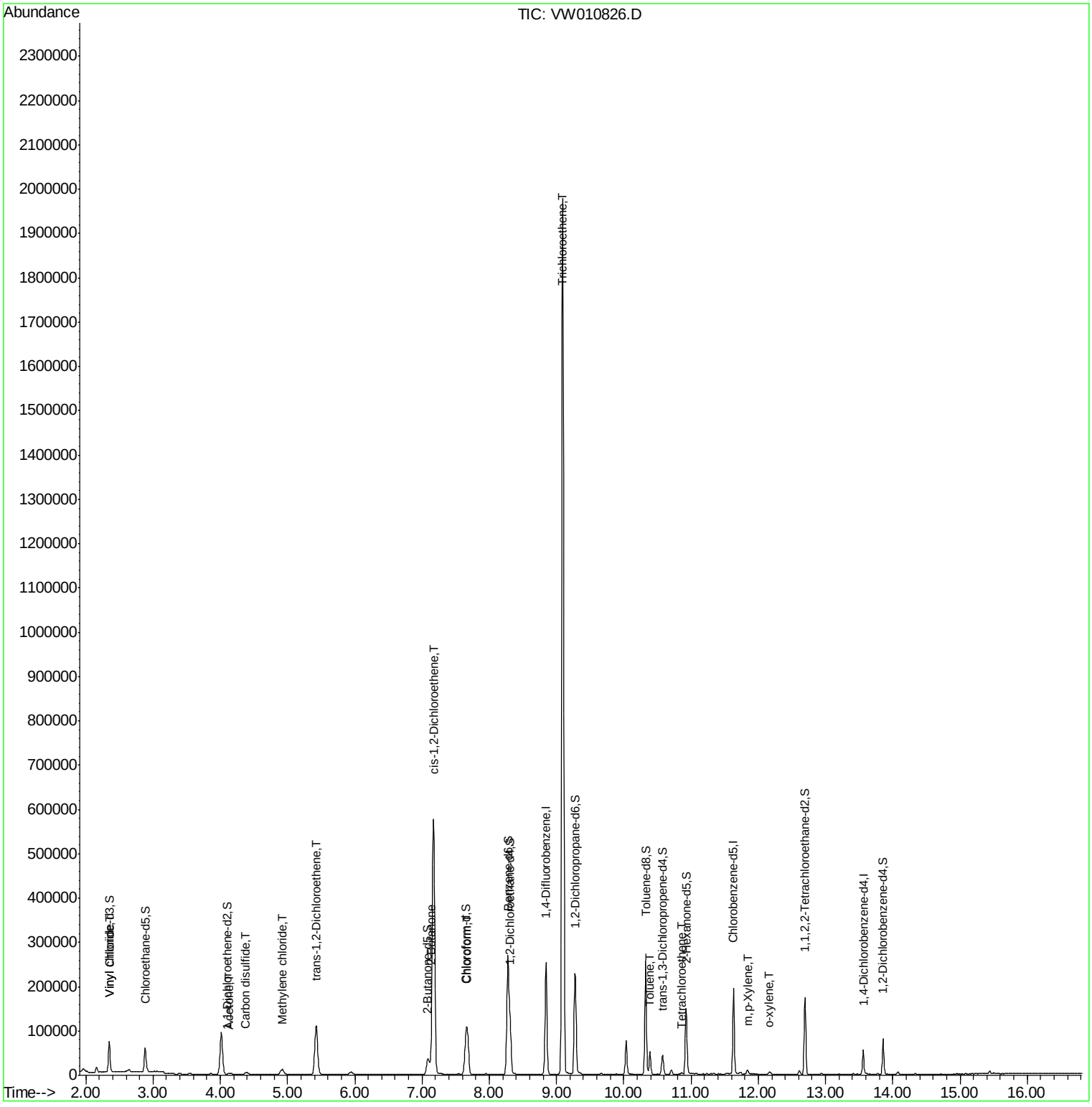
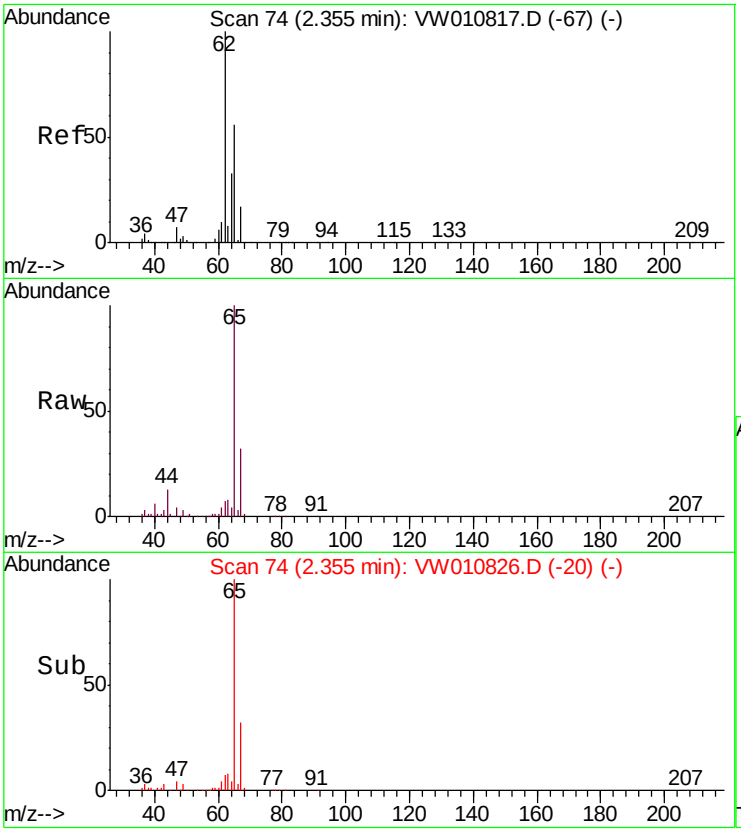
Misc : 3.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:52:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 05:48:46 2019
Response via : Initial Calibration

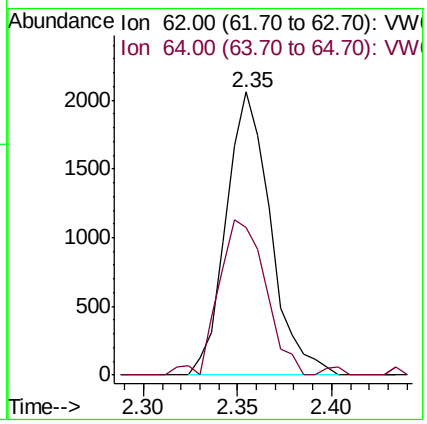


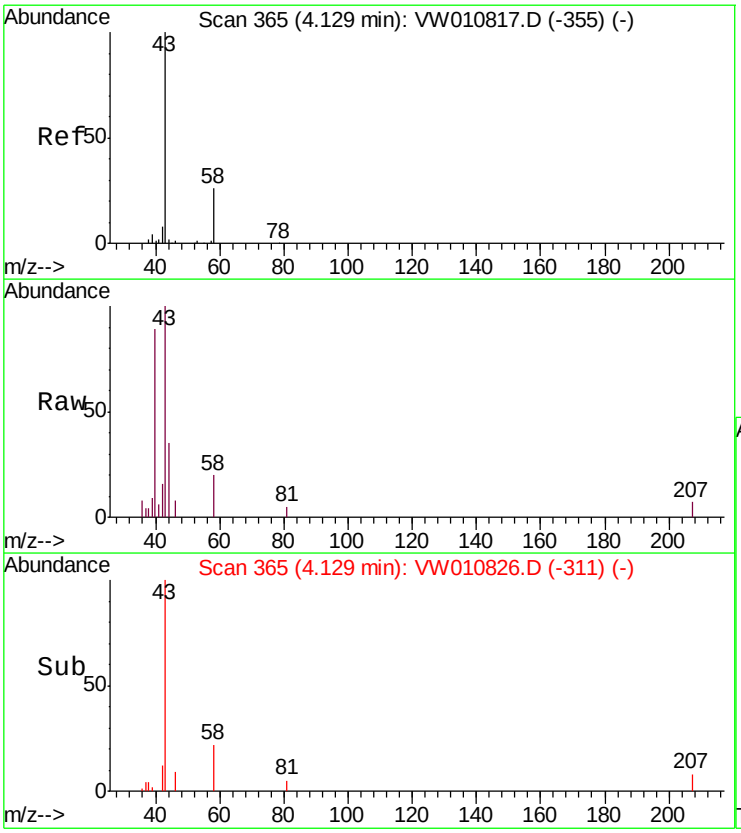



#5
Vinyl chloride
Concen: 1.042 ug/L
RT: 2.35 min Scan# 74
Delta R.T. -0.00 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 62 Resp: 3366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 52.2 | 22.4 | 41.6# |

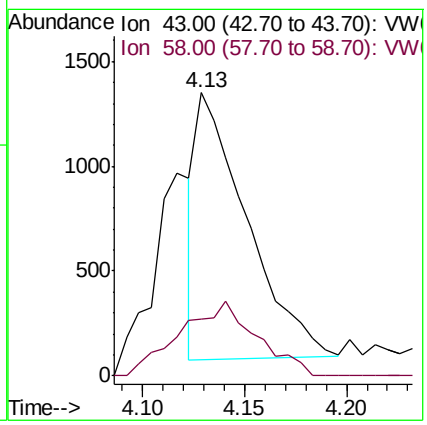


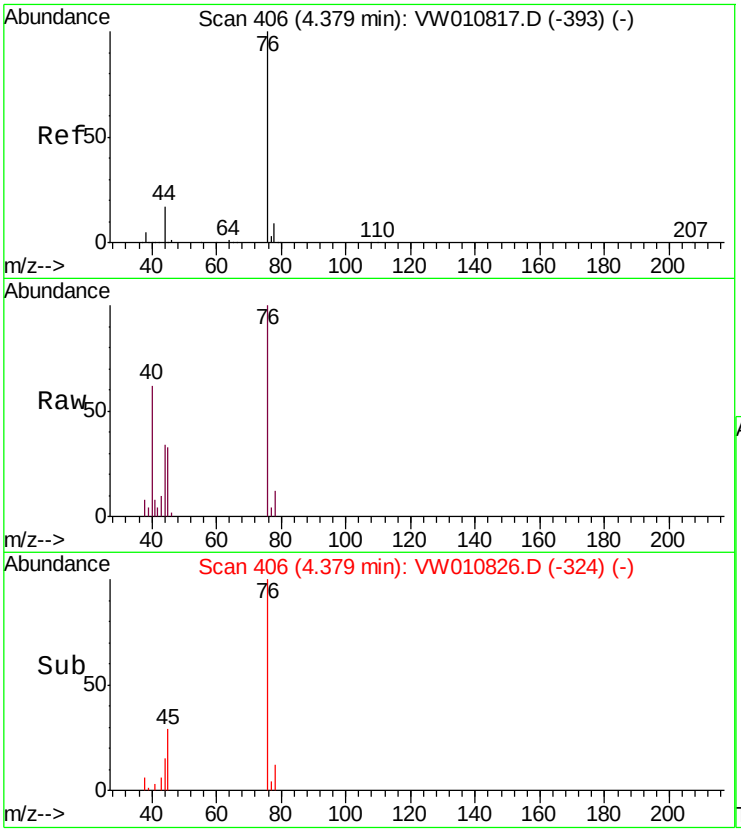




#13
Acetone
Concen: 1.801 ug/L
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 43 Resp: 2187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.4 | 0.0 | 54.6 |

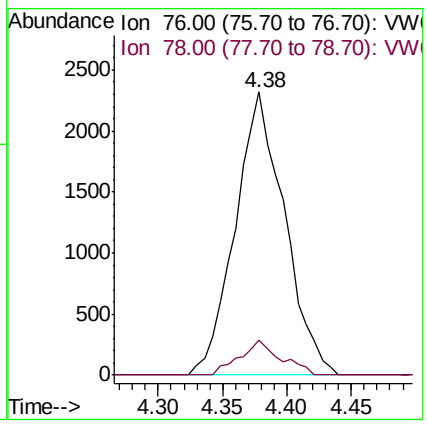


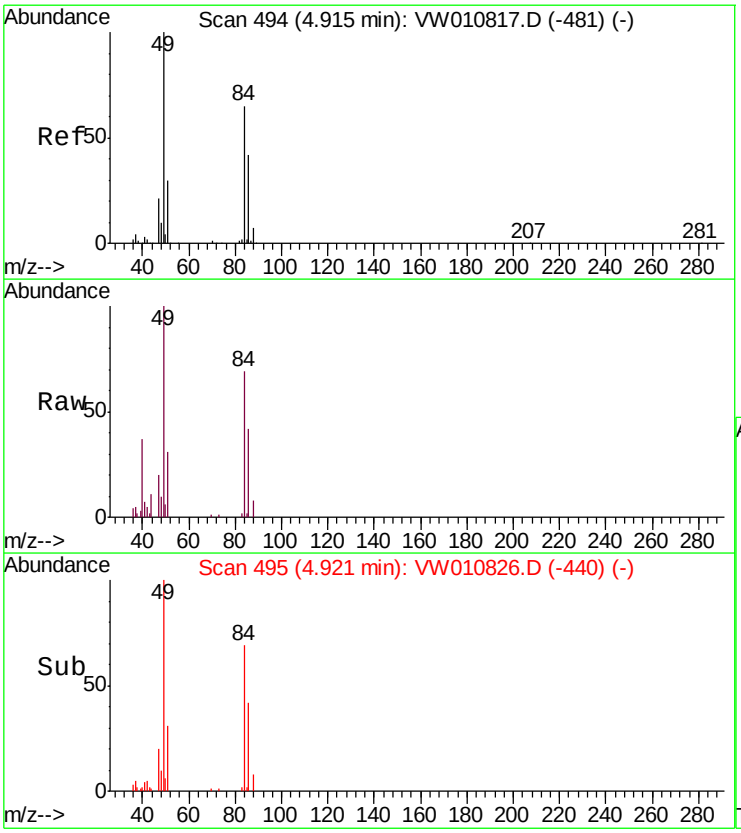



#14
Carbon disulfide
Concen: 0.908 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 76 Resp: 6160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 12.3 | 7.0 | 10.4# |

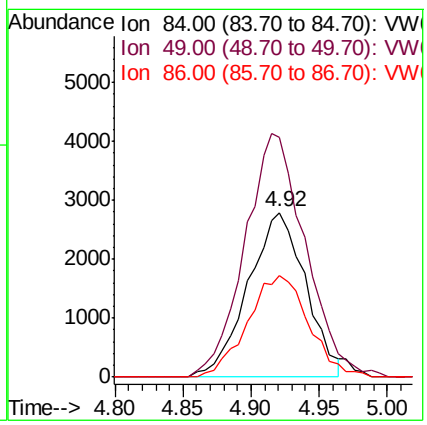


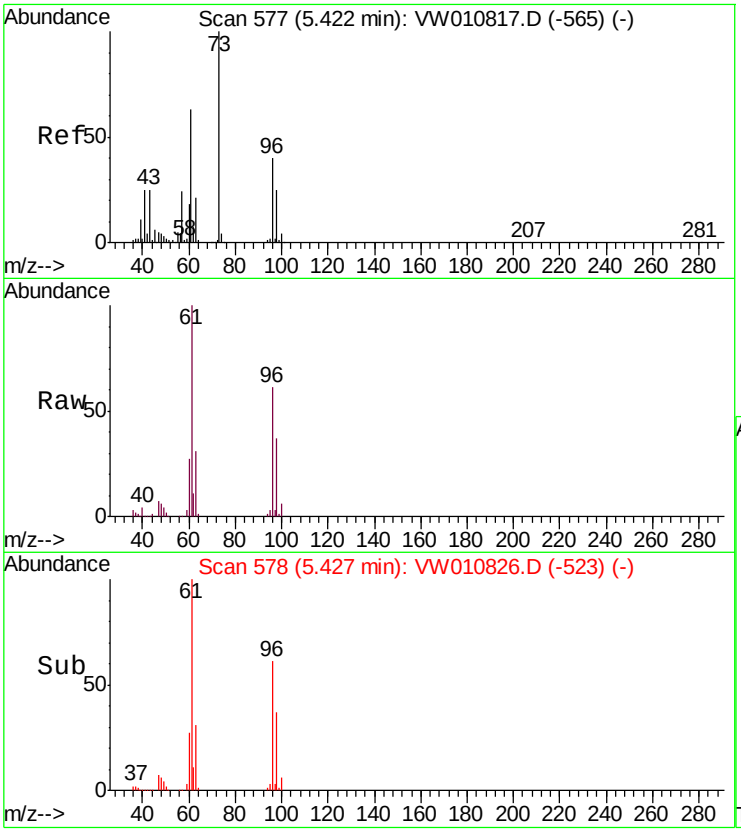




#16
Methylene chloride
Concen: 3.045 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 84 Resp: 8265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 145.9 | 105.2 | 195.4 |
| 86 | 61.6 | 43.7 | 81.1 |

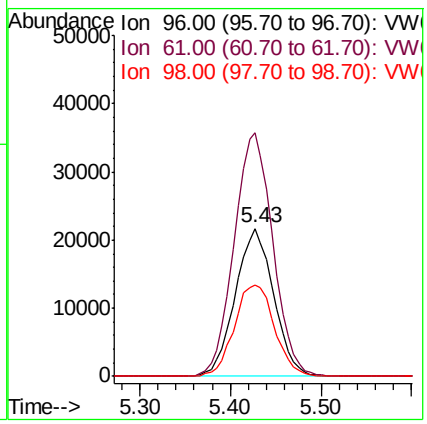


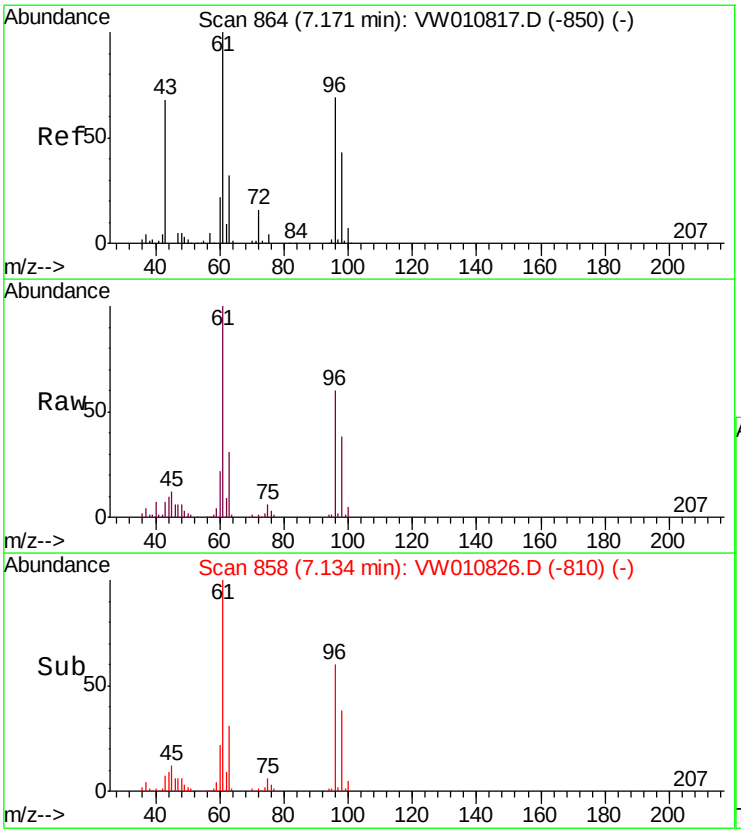



#18
trans-1,2-Dichloroethene
Concen: 24.878 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 96 Resp: 63804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.7 | 111.5 | 207.1 |
| 98 | 61.7 | 44.1 | 81.9 |

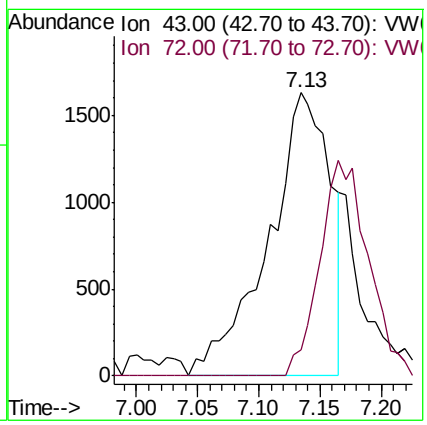


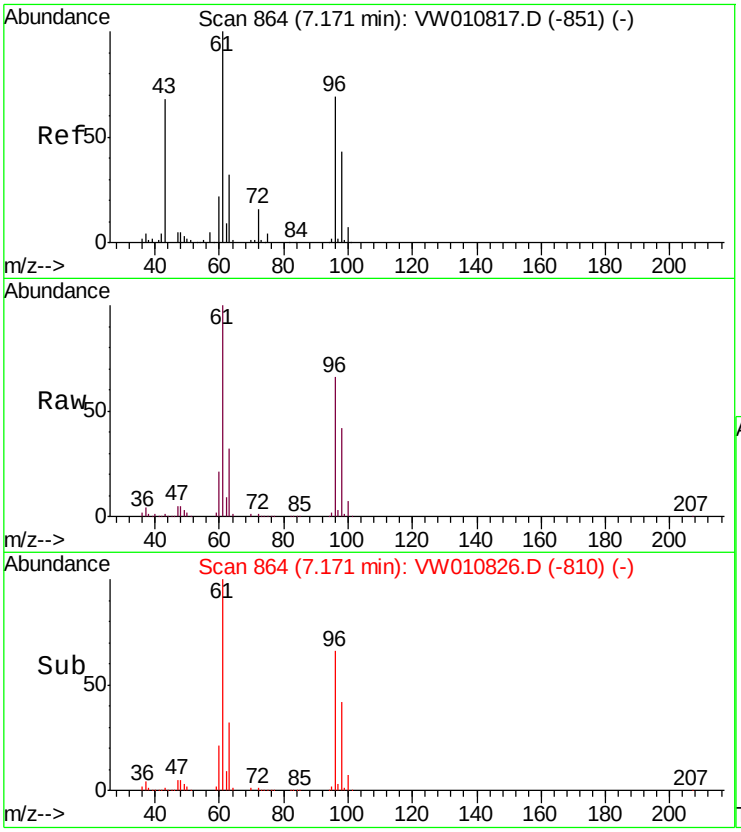




#21
2-Butanone
Concen: 3.451 ug/L
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 43 Resp: 5724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 59.1 | 11.0 | 33.0# |

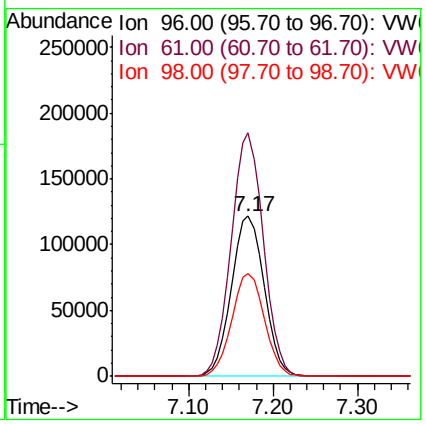


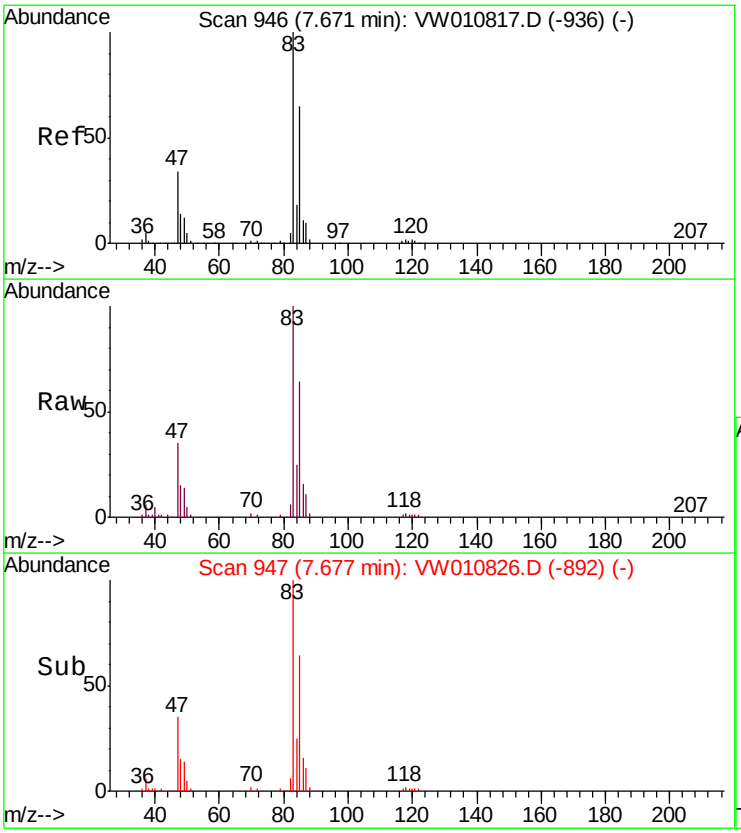



#22
cis-1,2-Dichloroethene
Concen: 110.026 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 96 Resp: 321102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.9 | 105.3 | 195.6 |
| 98 | 64.5 | 44.6 | 82.8 |

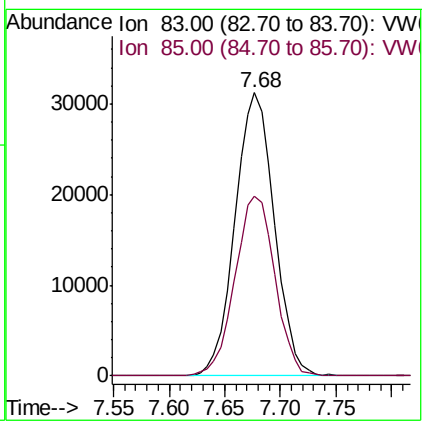


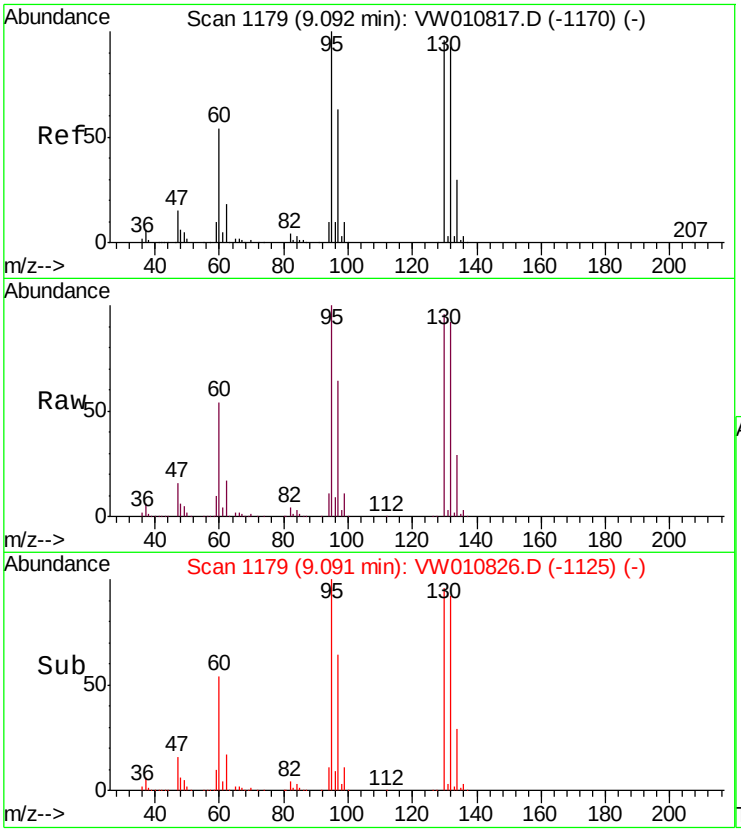




#25
Chloroform
Concen: 12.421 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 83 Resp: 76398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 45.4 | 84.4 |

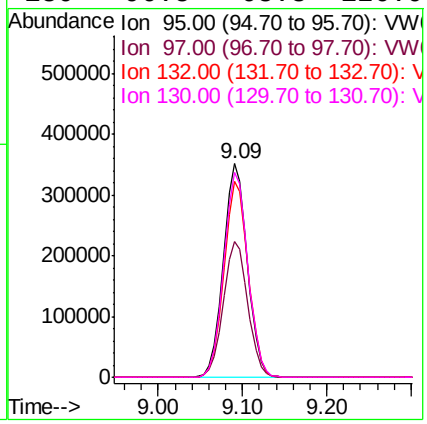


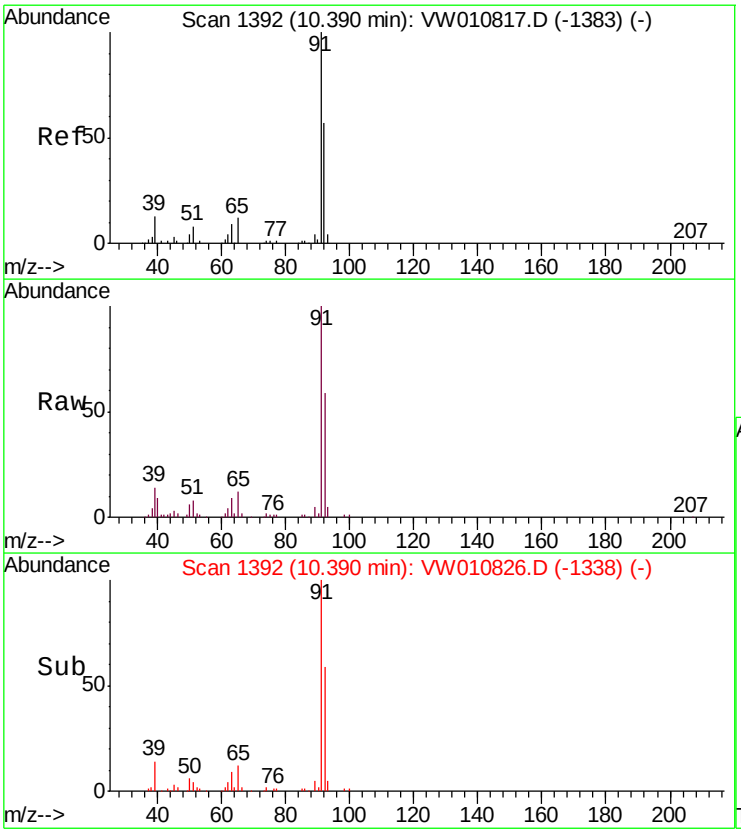



#35
Trichloroethene
Concen: 438.831 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 95 Resp: 684539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.6 | 45.4 | 84.2 |
| 132 | 92.3 | 65.0 | 120.6 |
| 130 | 96.5 | 68.3 | 126.9 |

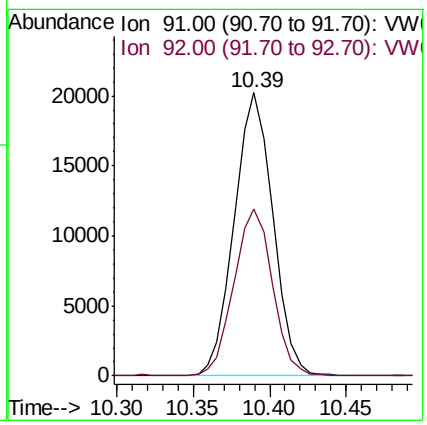


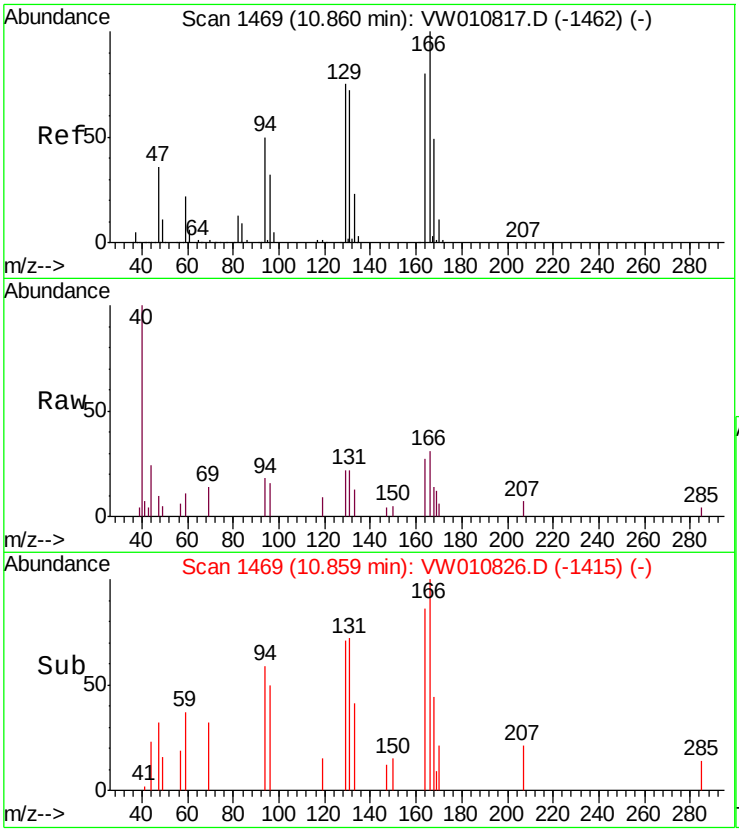




#44
Toluene
Concen: 5.573 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion: 91 Resp: 35527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.8 | 41.0 | 76.2 |

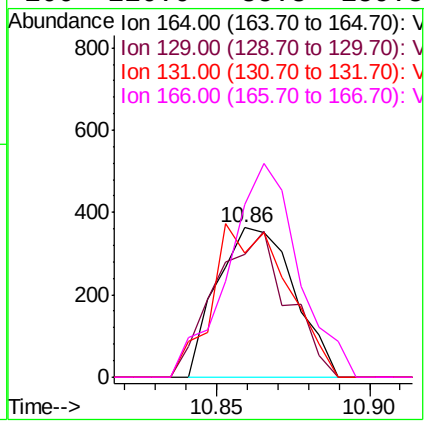


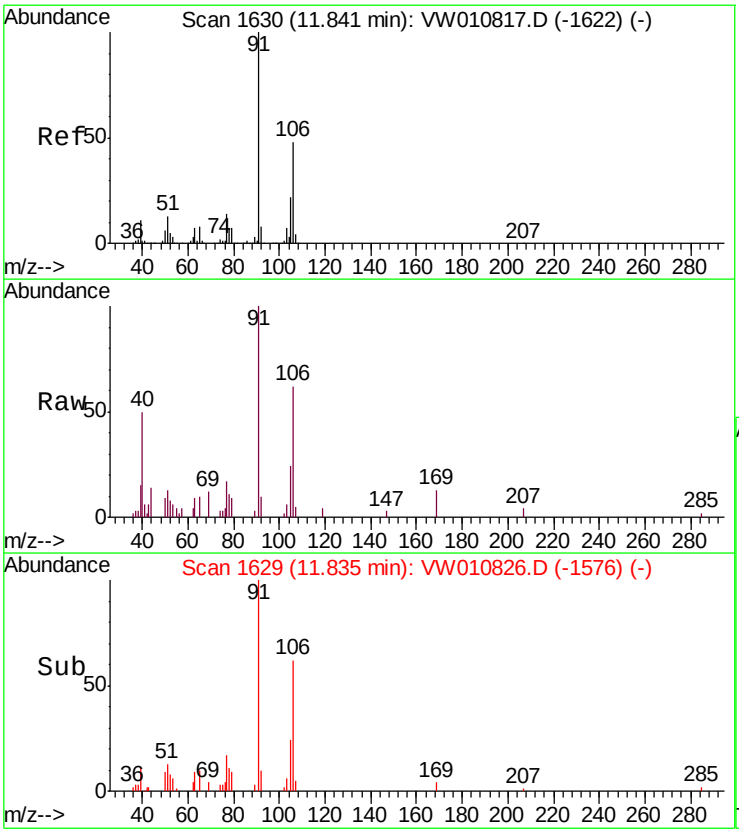



#47
Tetrachloroethene
Concen: 0.544 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion:164 Resp: 636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 82.0 | 64.5 | 119.7 |
| 131 | 83.1 | 63.6 | 118.0 |
| 166 | 116.0 | 85.8 | 159.3 |

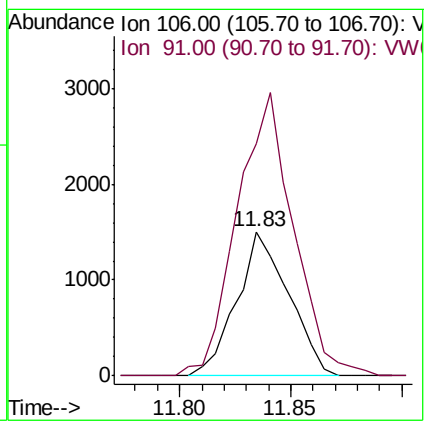


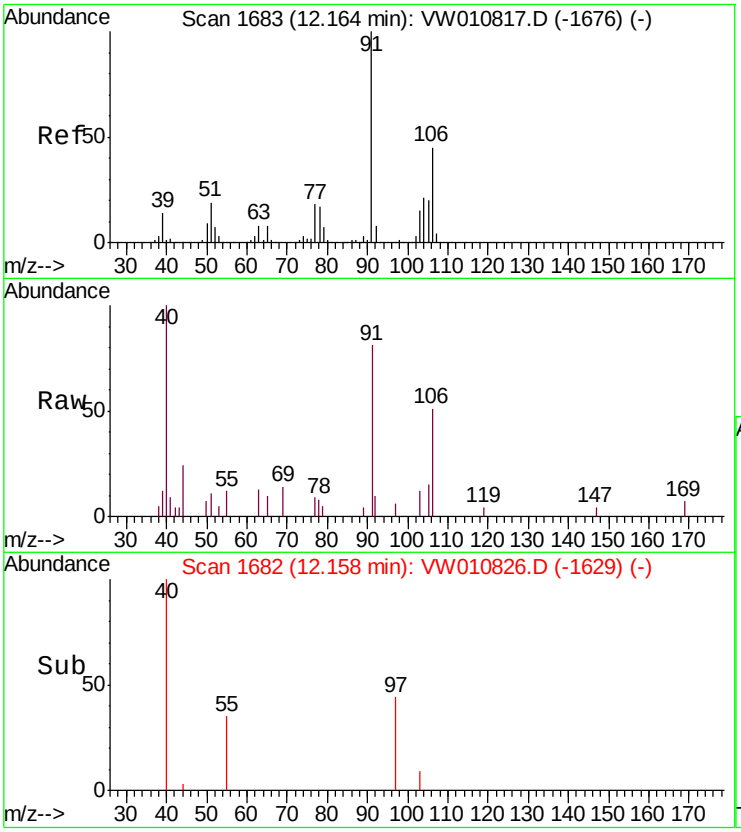




#54
m,p-Xylene
Concen: 0.928 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010826.D
Acq: 17 Jun 2019 14:38

Tgt Ion:106 Resp: 2440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 161.0 | 148.7 | 276.1 |






#55
o-xylene
Concen:  0.518 ug/L
RT: 12.16 min  Scan# 1682
Delta R.T.  -0.01 min
Lab File:  VW010826.D
Acq: 17 Jun 2019  14:38

Tgt Ion:106 Resp:  1320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 158.5 | 157.8 | 293.1 |