Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010651.D
Acq On : 03 May 2019 07:33
Operator : SY/MD
Sample : K2604-22
Misc : 5.03G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAJ93

Quant Time: May 03 08:05:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 03:59:48 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 210620 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 181698 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 69387 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 38275 | 14.35 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 57.40% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 34296 | 18.37 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 73.48% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.12 | 63 | 58252 | 12.46 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 49.84% | | | |
| 20) 2-Butanone-d5 | 3.93 | 46 | 18837 | 23.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 46.44% | | | |
| 24) Chloroform-d | 4.39 | 84 | 106645 | 19.60 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 78.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 52869 | 16.96 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 67.84%# | | | |
| 29) Benzene-d6 | 5.09 | 84 | 228269 | 24.24 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 96.96% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.11 | 67 | 68111 | 23.61 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 94.44% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 197427 | 21.82 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 87.28% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 18409 | 15.44 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 61.76% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 13866 | 27.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 54.00% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 39576 | 15.22 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 60.88% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 56662 | 21.22 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 84.88% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.18 | 43 | 5943 | 8.545 | ug/L | 100 |
| 14) Carbon disulfide | 2.31 | 76 | 16332 | 2.438 | ug/L | 96 |
| 34) Benzene | 5.15 | 78 | 5448 | 0.627 | ug/L | 100 |
| 44) Toluene | 7.43 | 91 | 40319 | 4.206 | ug/L | 99 |
| 54) m,p-Xylene | 9.18 | 106 | 19349 | 4.710 | ug/L | 100 |
| 55) o-xylene | 9.59 | 106 | 9482 | 2.362 | ug/L | 88 |
| 56) Styrene | 9.60 | 104 | 24279 | 3.564 | ug/L | 98 |

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

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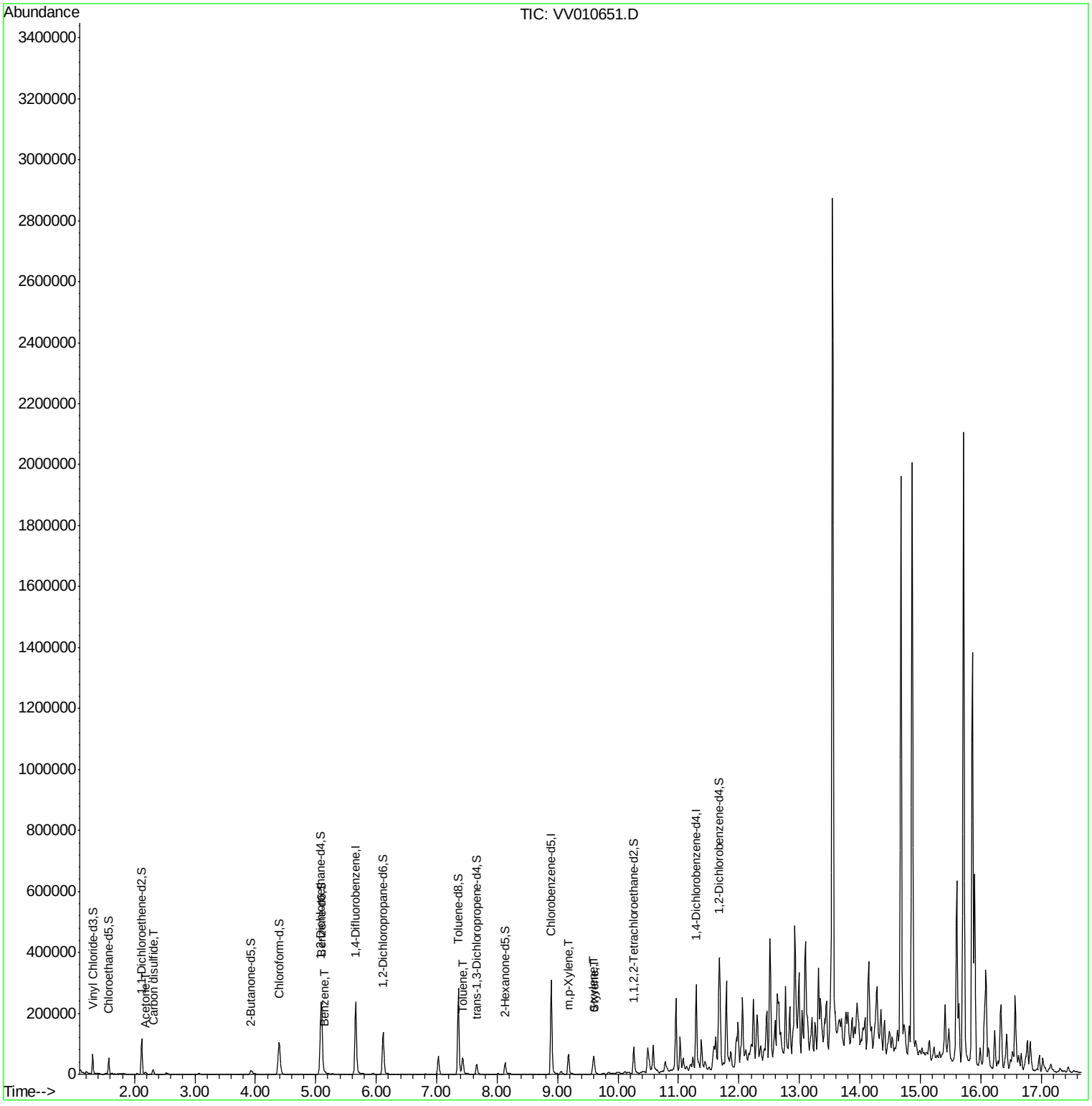
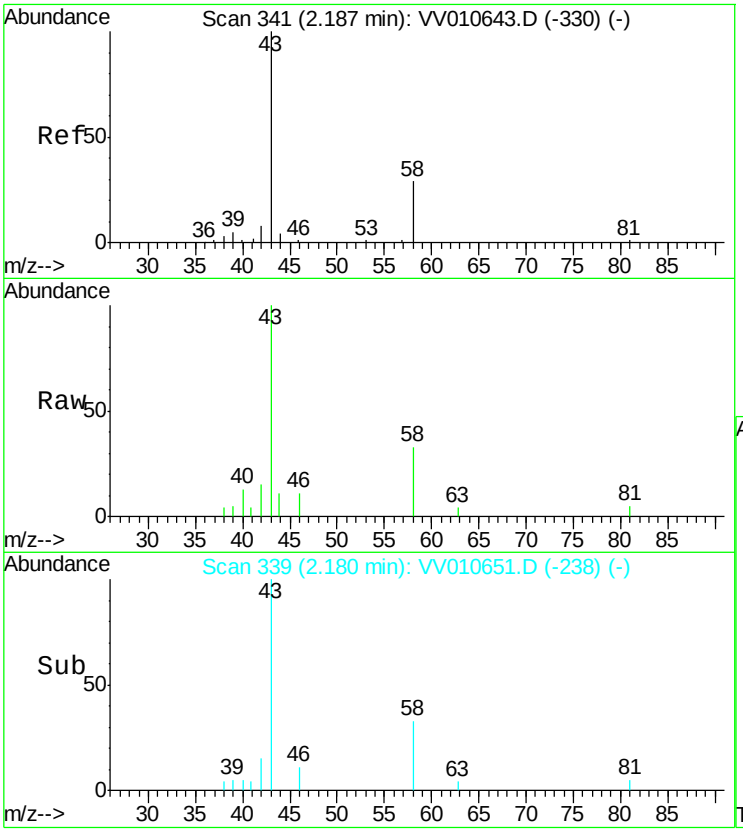
**ClientSampleId :** GAJ93

Quant Time: May 03 08:05:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 03:59:48 2019
Response via : Initial Calibration



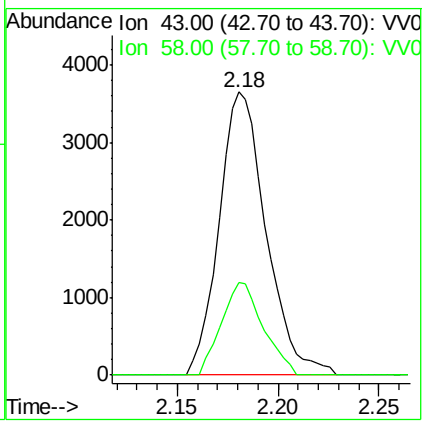


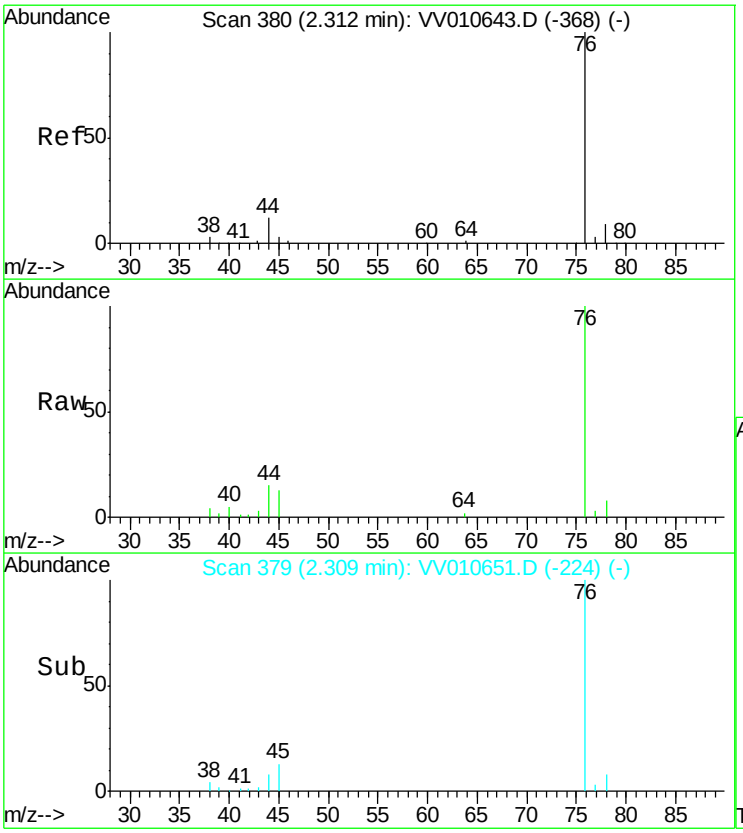

#13
Acetone
Concen: 8.545 ug/L
RT: 2.18 min Scan# 339
Delta R.T. -0.01 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAJ93

Tgt Ion: 43 Resp: 5943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 0.0 | 58.2 |

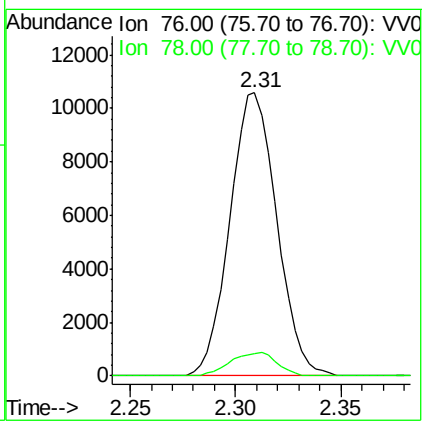


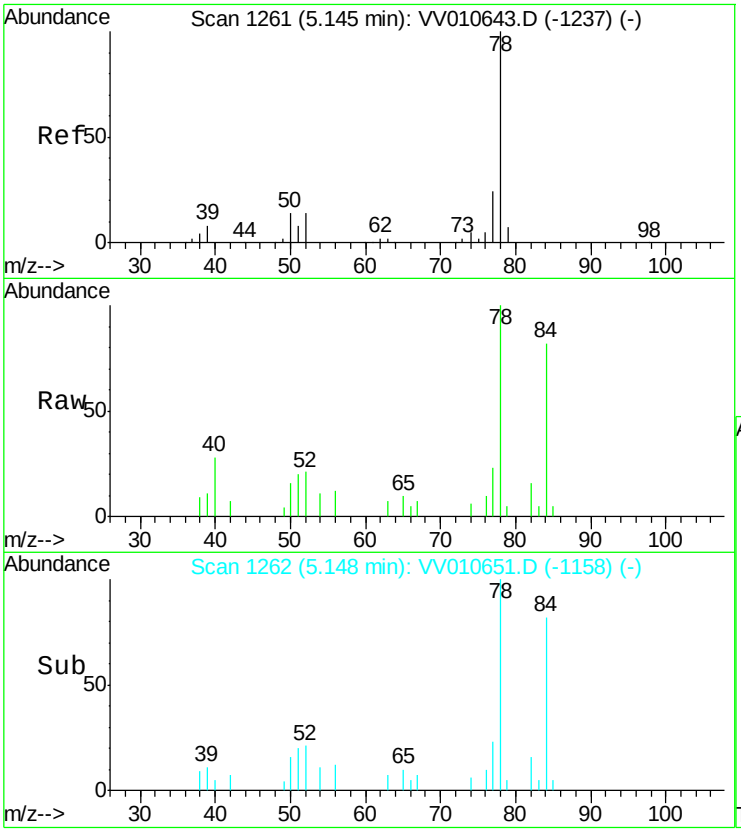




#14
Carbon disulfide
Concen: 2.438 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Tgt Ion: 76 Resp: 16332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.7 | 7.3 | 10.9 |

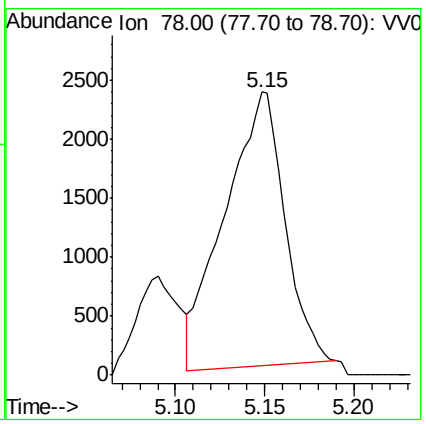


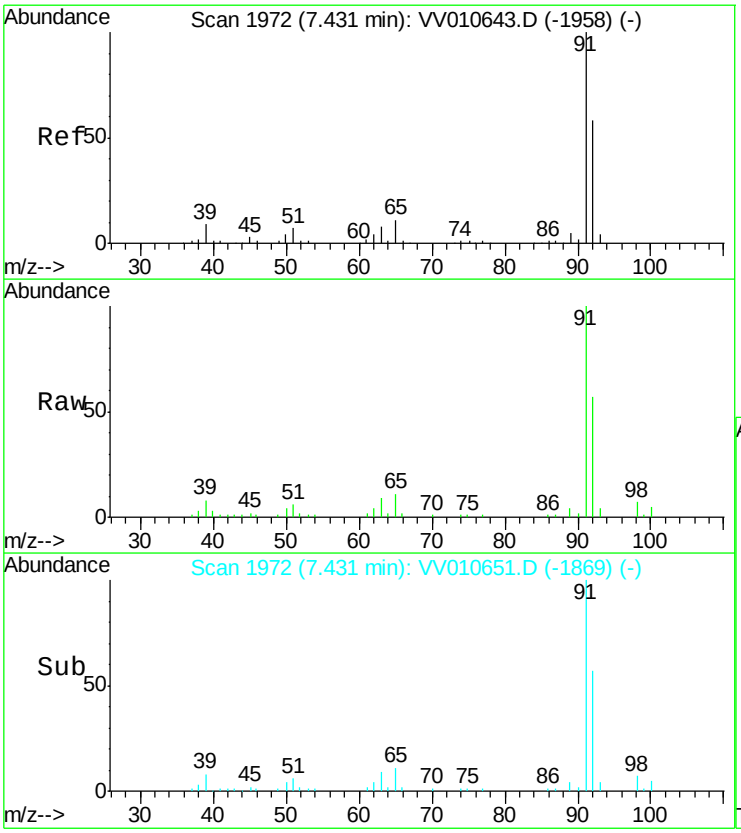



#34
Benzene
Concen: 0.627 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAJ93

Tgt Ion: 78 Resp: 5448

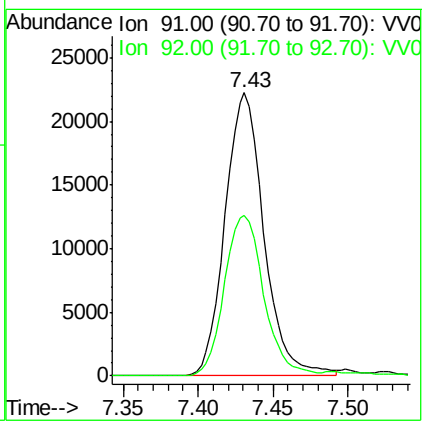


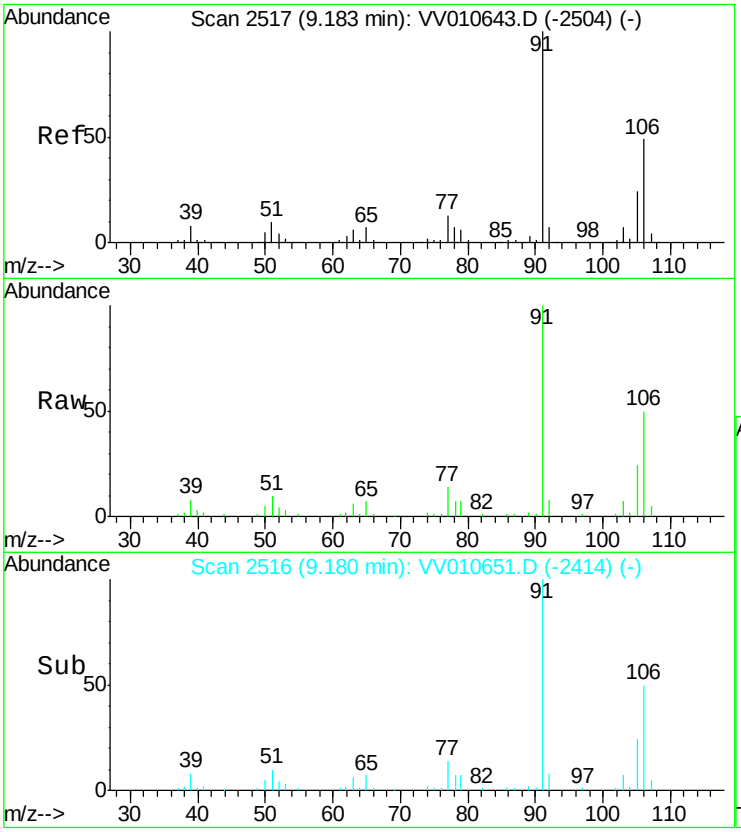




#44
Toluene
Concen: 4.206 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Tgt Ion: 91 Resp: 40319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.8 | 40.1 | 74.5 |



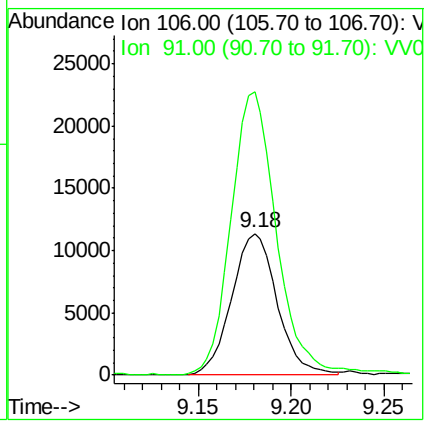


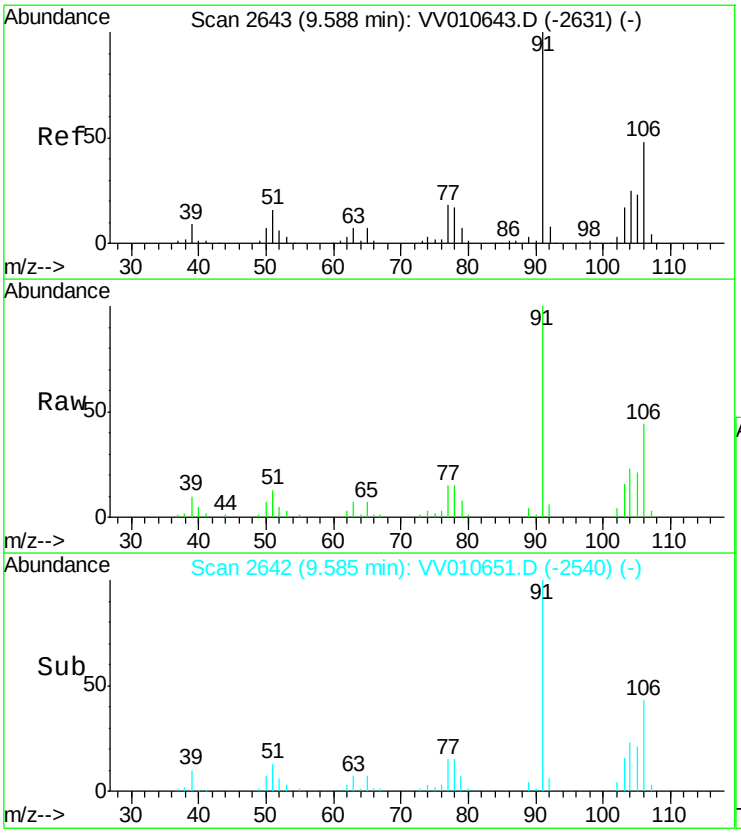

#54
m,p-Xylene
Concen: 4.710 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAJ93

Tgt Ion:106 Resp: 19349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.2 | 140.4 | 260.8 |

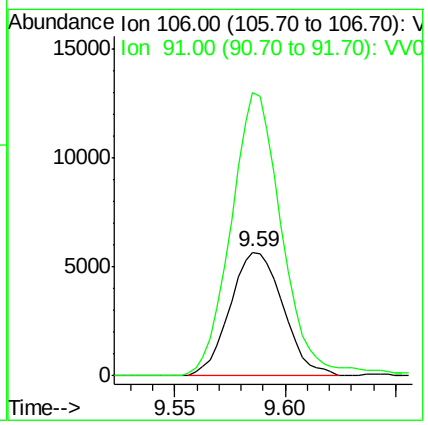


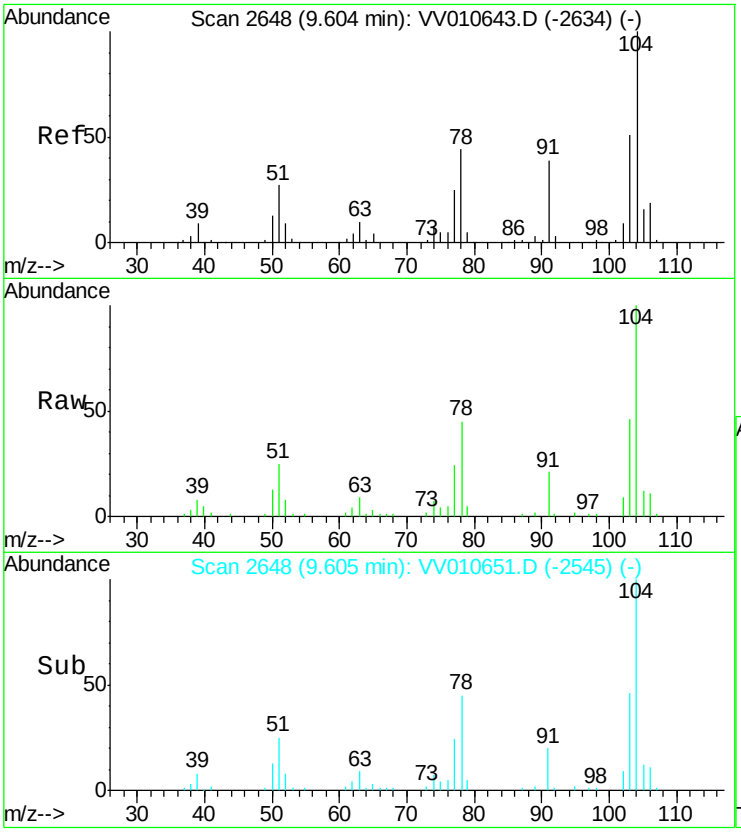




#55
o-xylene
Concen: 2.362 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Tgt Ion:106 Resp: 9482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.3 | 147.3 | 273.5 |






#56
Stvrene
Concen: 3.564 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010651.D
Acq: 03 May 2019 07:33

Tgt Ion:104 Resp: 24279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 44.6 | 30.4 | 56.5 |

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAJ93