Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060620\
Data File : VV016642.D
Acq On : 07 Jun 2020 14:05
Operator : SY/MD
Sample : L2861-09DL 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 69 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9E41DL

Quant Time: Jun 08 07:57:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 08 05:42:16 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 338546 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 311220 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 148276 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 101379 | 42.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 84.56% | | | |
| 7) Chloroethane-d5 | 1.56 | 69 | 71167 | 41.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 82.22% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 138401 | 32.56 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 65.12% | | | |
| 21) 2-Butanone-d5 | 3.89 | 46 | 176651 | 115.21 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 115.21% | | | |
| 24) Chloroform-d | 4.37 | 84 | 225431 | 50.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.05 | 65 | 160647 | 53.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 106.62% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 449259 | 53.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 107.78% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 141509 | 54.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 108.96% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 404140 | 53.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 106.76% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 59357 | 46.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 93.78% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 125689 | 112.98 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 112.98% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 184588 | 52.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 104.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 160034 | 57.43 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 114.86% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 29) Cyclohexane | 4.70 | 56 | 6196 | 1.677 | ug/L # | 95 |
| 33) Benzene | 5.12 | 78 | 877413 | 95.861 | ug/L | 100 |
| 42) Toluene | 7.41 | 91 | 1076715 | 111.015 | ug/L | 99 |
| 52) Ethylbenzene | 9.03 | 91 | 347915 | 32.959 | ug/L | 100 |
| 53) m,p-Xylene | 9.16 | 106 | 55073 | 13.836 | ug/L | 96 |
| 54) o-xylene | 9.57 | 106 | 49588 | 12.864 | ug/L | 98 |
| 56) Isopropylbenzene | 9.95 | 105 | 5987 | 0.598 | ug/L # | 91 |

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

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Quant Title : VOC Analysis
QLast Update : Mon Jun 08 05:42:16 2020
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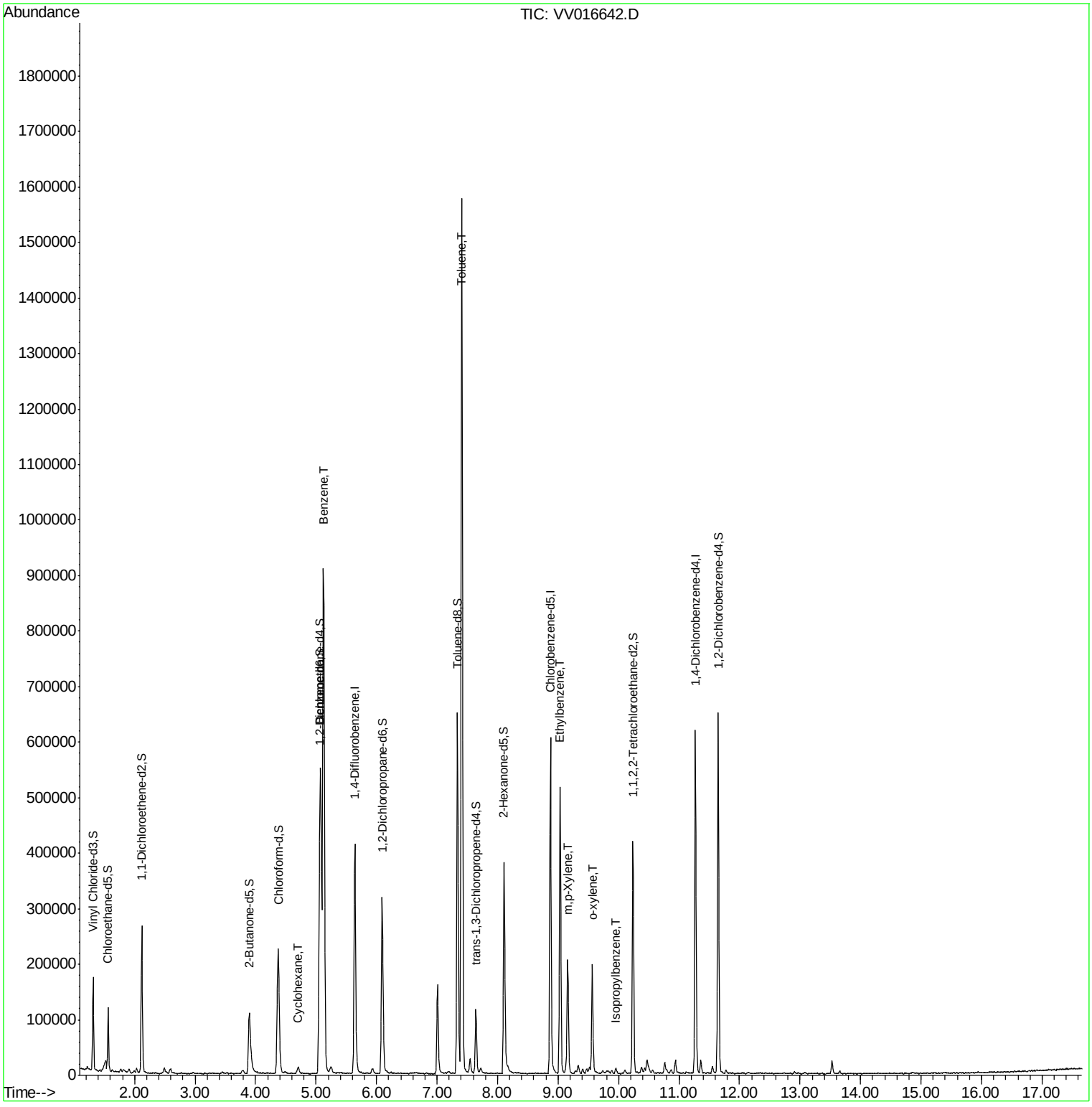
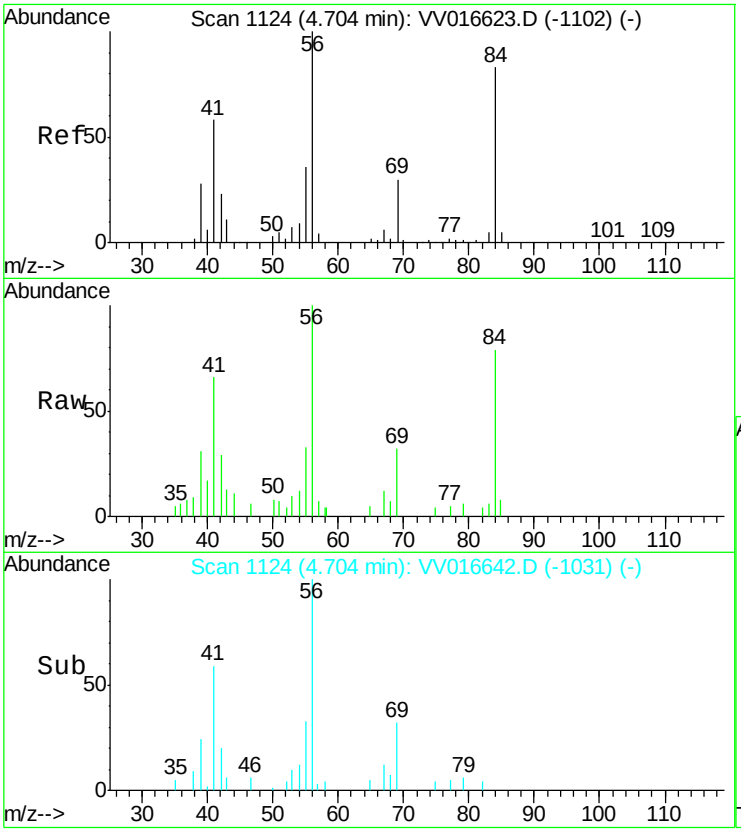


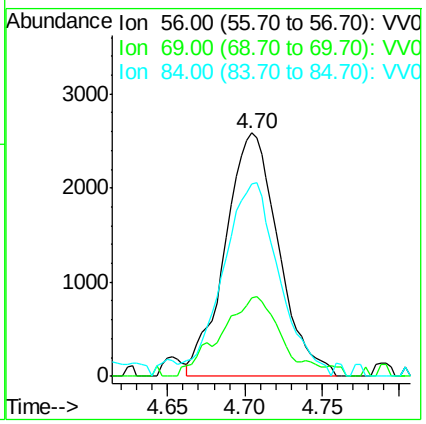


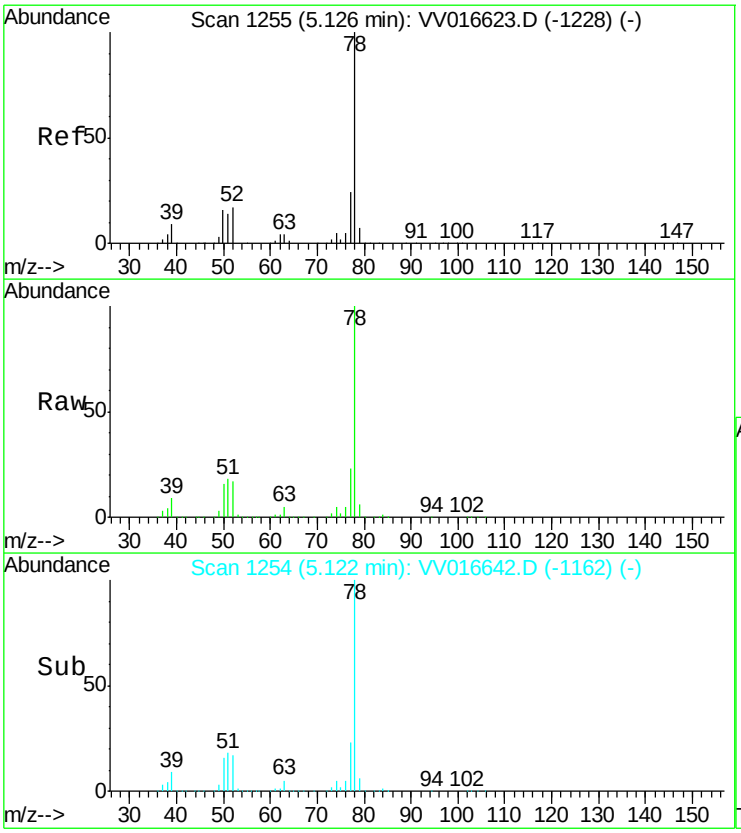

#29
Cyclohexane
Concen: 1.677 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV016642.D
Acq: 07 Jun 2020 14:05

**Instrument :** MSVOA_V
**ClientSampleId :** F9E41DL

Tgt Ion: 56 Resp: 6196

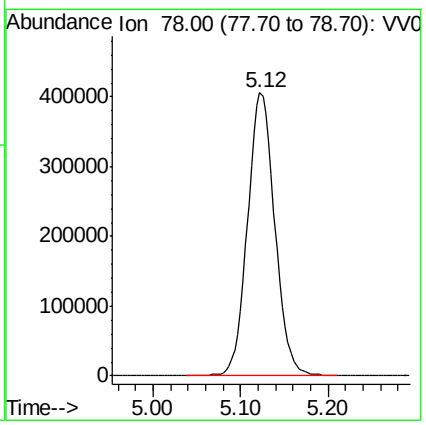
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 22.5 | 23.9 | 35.9# |
| 84 | 83.9 | 68.2 | 102.2 |

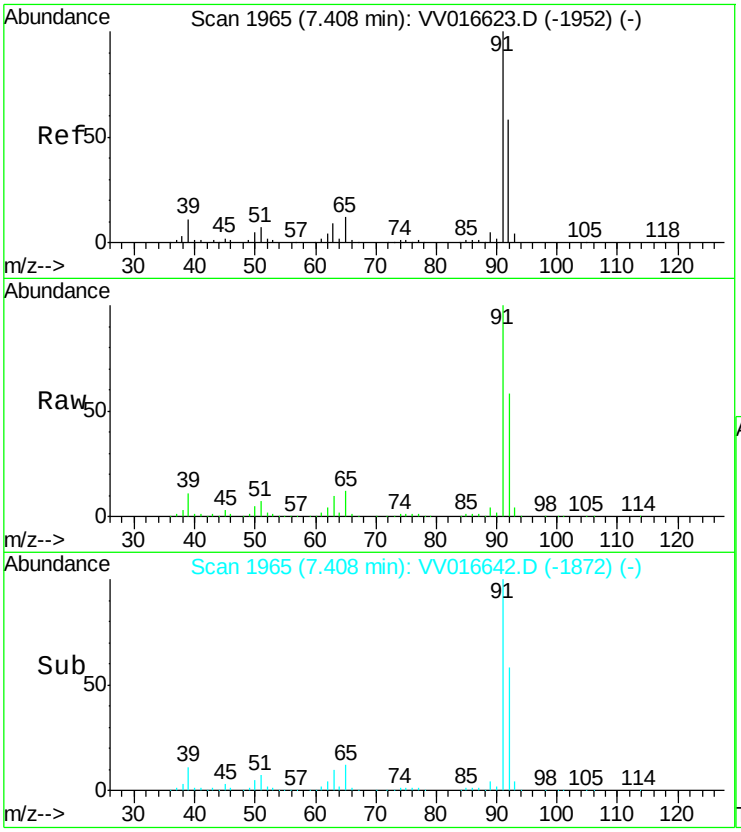



#33
Benzene
Concen: 95.861 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016642.D
Acq: 07 Jun 2020 14:05

Tgt Ion: 78 Resp: 877413



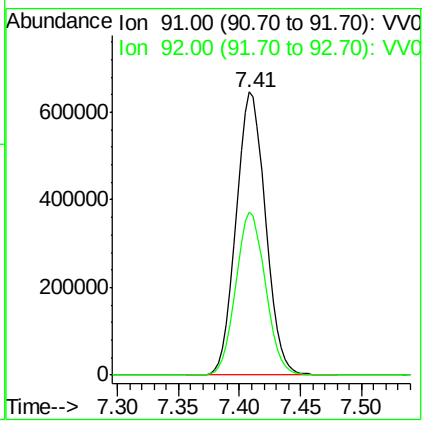


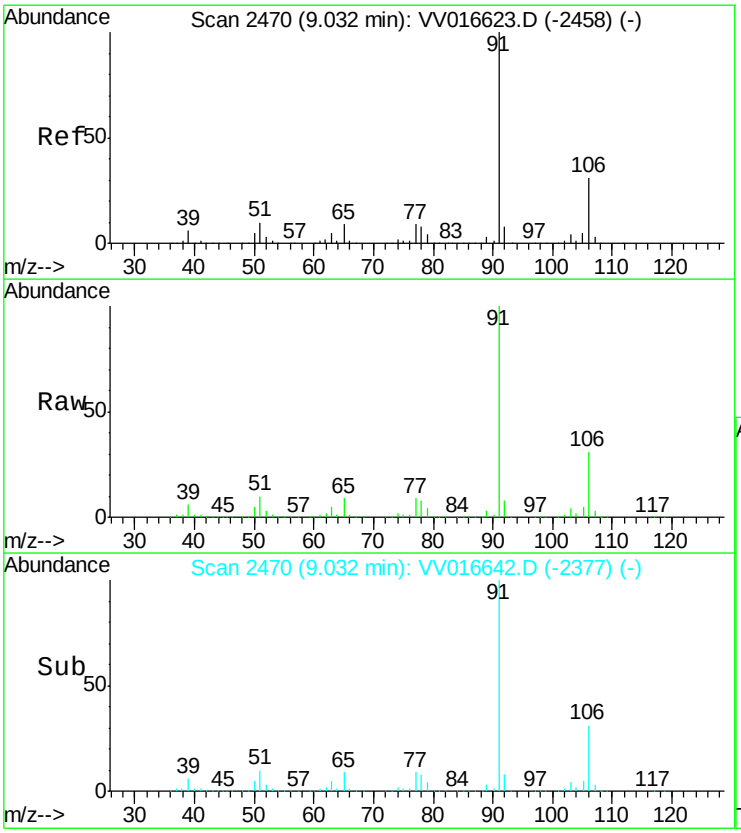

#42
Toluene
Concen: 111.015 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016642.D
Acq: 07 Jun 2020 14:05

**Instrument :** MSVOA_V
**ClientSampleId :** F9E41DL

Tgt Ion: 91 Resp: 1076715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.8 | 40.9 | 75.9 |

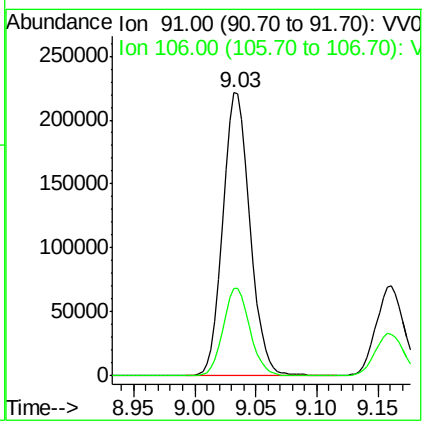


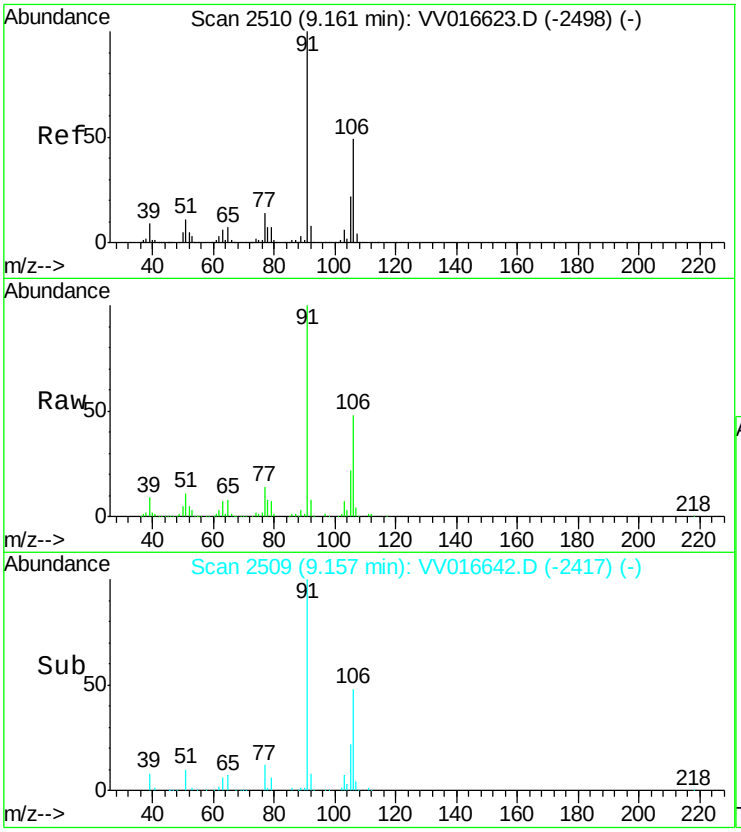




#52
Ethylbenzene
Concen: 32.959 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016642.D
Acq: 07 Jun 2020 14:05

Tgt Ion: 91 Resp: 347915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 21.8 | 40.4 |



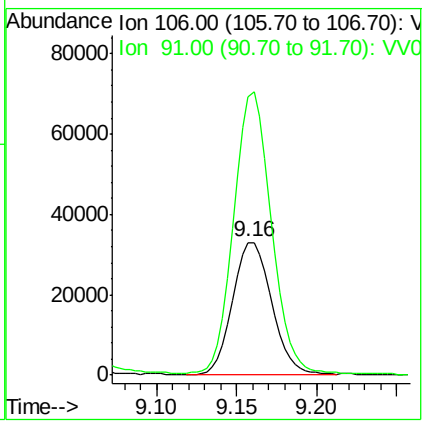


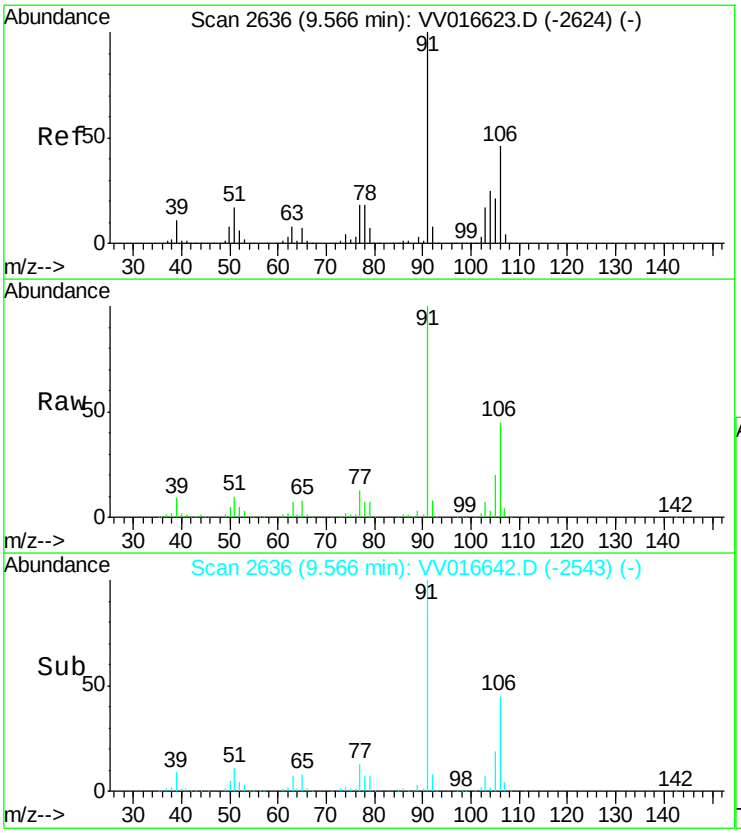

#53
m,p-Xylene
Concen: 13.836 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016642.D
Acq: 07 Jun 2020 14:05

**Instrument :**
MSVOA_V
**ClientSampleId :**
F9E41DL

Tgt Ion:106 Resp: 55073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.3 | 142.5 | 264.6 |

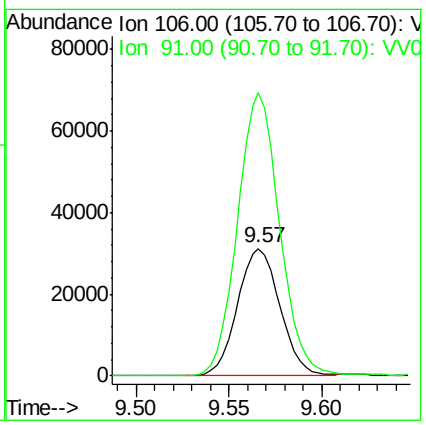


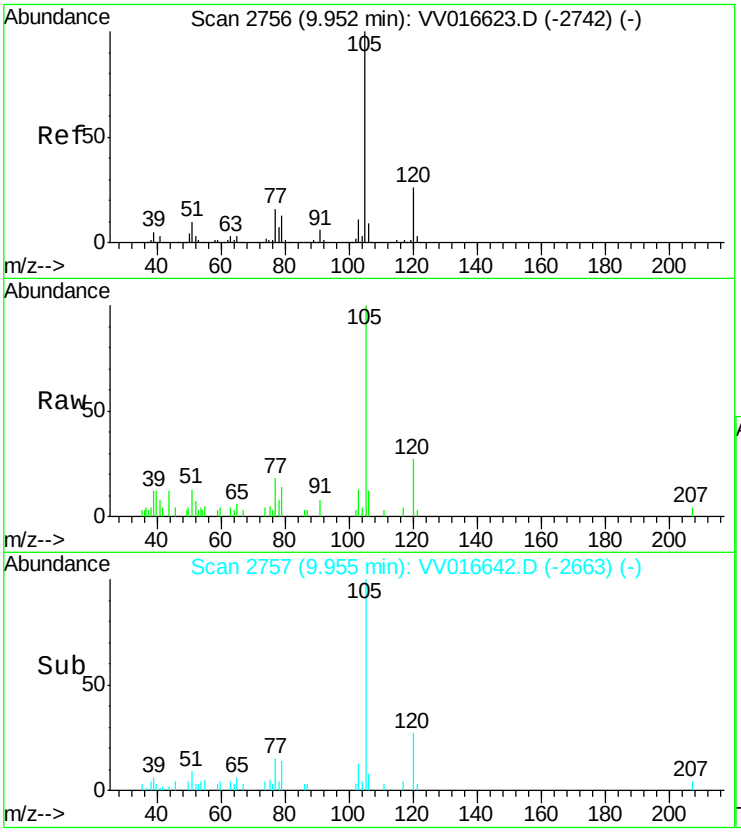




#54
o-xylene
Concen: 12.864 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016642.D
Acq: 07 Jun 2020 14:05

Tgt Ion:106 Resp: 49588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.7 | 152.5 | 283.1 |






#56
Isopropylbenzene
Concen: 0.598 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV016642.D
Acq: 07 Jun 2020 14:05

**Instrument :**
MSVOA_V
**ClientSampleId :**
F9E41DL

Tgt Ion:105 Resp: 5987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.6 | 21.0 | 31.6 |
| 77 | 23.2 | 13.0 | 19.4# |