Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036641.D
Acq On : 31 Jan 2020 01:01
Operator : JC/MD
Sample : L1324-17
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAT72

Manual Integrations APPROVED
MMDadoda
2/3/2020 10:46:36 AM

Quant Time: Jan 31 06:42:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 04:01:38 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.28 | 114 | 311861 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.45 | 117 | 301645 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152 | 165539 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 73921 | 31.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 63.30% | | | |
| 7) Chloroethane-d5 | 1.89 | 69 | 17422 | 8.69 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 17.38%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.54 | 63 | 98684m | 26.13 | ug/L | -0.05 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 52.26%# | | | |
| 21) 2-Butanone-d5 | 4.70 | 46 | 74198 | 53.52 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 53.52% | | | |
| 24) Chloroform-d | 5.11 | 84 | 147707 | 38.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 77.24% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 97455 | 40.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 81.76% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 344352 | 40.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 81.16% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.73 | 67 | 111656 | 42.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 84.46% | | | |
| 41) Toluene-d8 | 7.93 | 98 | 335860 | 41.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 82.28% | | | |
| 43) trans-1,3-Dichloropropene- | 8.21 | 79 | 51635 | 41.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 82.12% | | | |
| 47) 2-Hexanone-d5 | 8.69 | 63 | 129833 | 105.89 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 105.89% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79 | 84 | 168522 | 43.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 86.70% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.22 | 152 | 149170 | 41.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 83.98% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.53 | 50 | 2117 | 0.837 | ug/L | 84 |
| 13) Acetone | 2.68 | 43 | 2417 | 1.801 | ug/L | 99 |
| 33) Benzene | 5.81 | 78 | 61964 | 6.871 | ug/L | 100 |
| 42) Toluene | 8.00 | 91 | 193968 | 19.787 | ug/L | 98 |
| 46) Tetrachloroethene | 8.58 | 164 | 44919 | 23.820 | ug/L | 99 |
| 52) Ethylbenzene | 9.60 | 91 | 1440235 | 134.121 | ug/L | 100 |
| 53) m,p-Xylene | 9.73 | 106 | 213785 | 51.043 | ug/L | 98 |
| 54) o-xylene | 10.13 | 106 | 257380 | 61.607 | ug/L | 98 |
| 56) Isopropylbenzene | 10.51 | 105 | 17515 | 1.649 | ug/L | 96 |

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

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QLast Update : Fri Jan 31 04:01:38 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAT72

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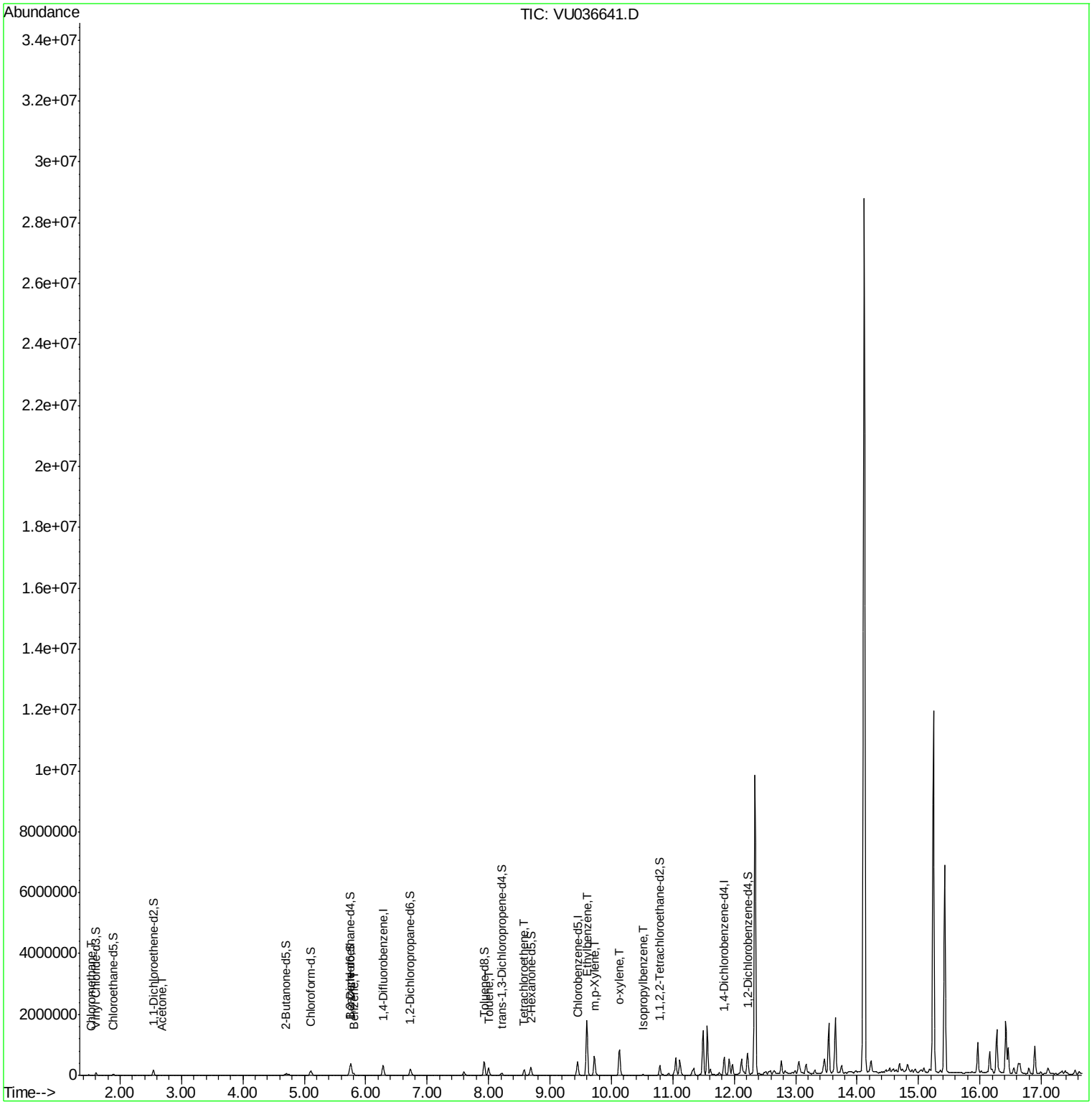
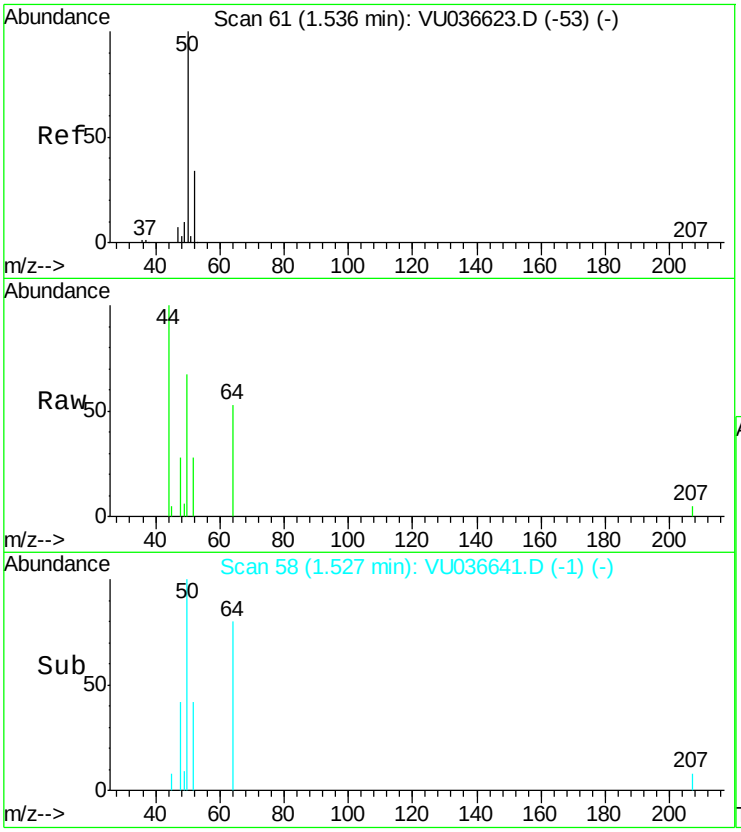
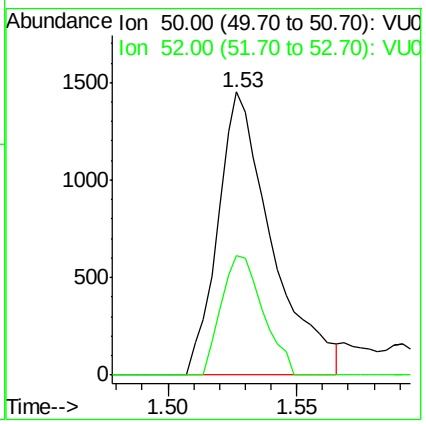





#3
Chloromethane
Concen: 0.837 ug/L
RT: 1.53 min Scan# 58
Delta R.T. -0.01 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion: 50 Resp: 2117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 42.2 | 23.2 | 43.0 |

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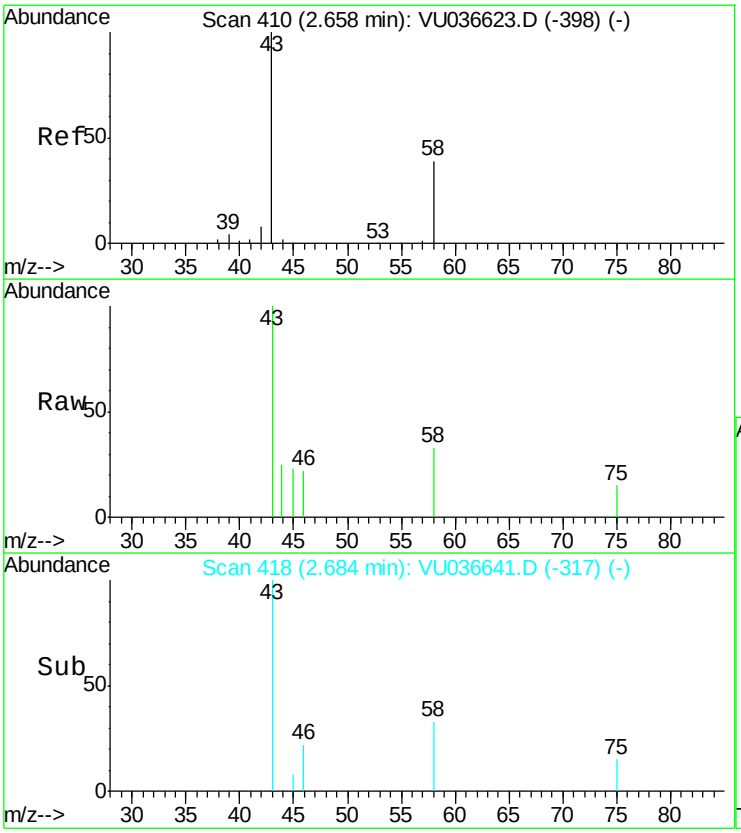
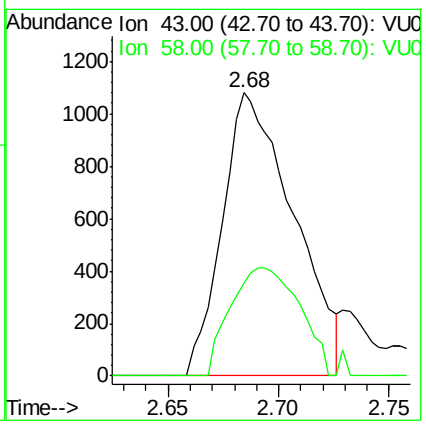
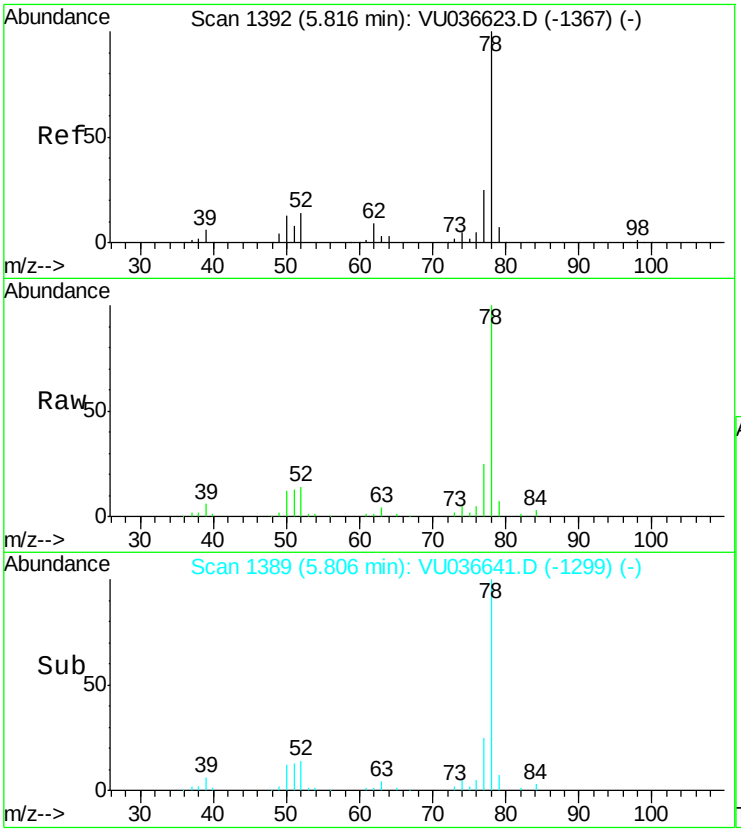



#13
Acetone
Concen: 1.801 ug/L
RT: 2.68 min Scan# 418
Delta R.T. 0.03 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion: 43 Resp: 2417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 0.0 | 75.4 |






#33
Benzene
Concen: 6.871 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion: 78 Resp: 61964

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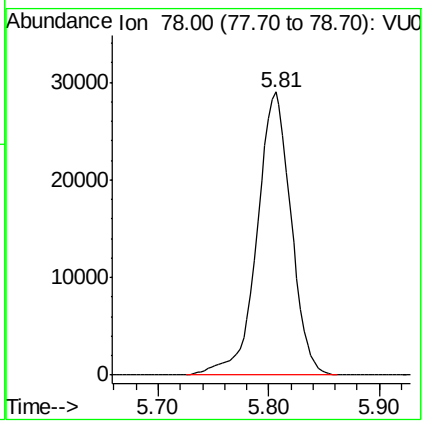
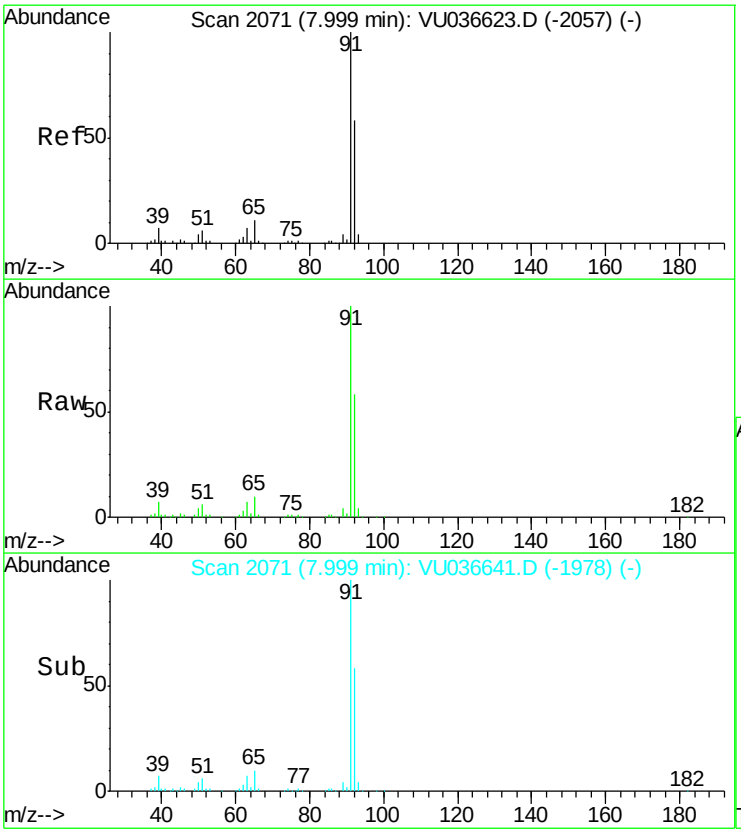
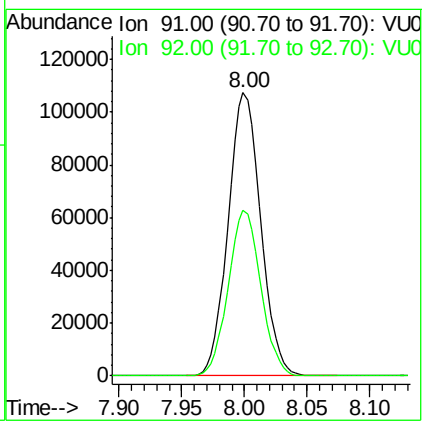


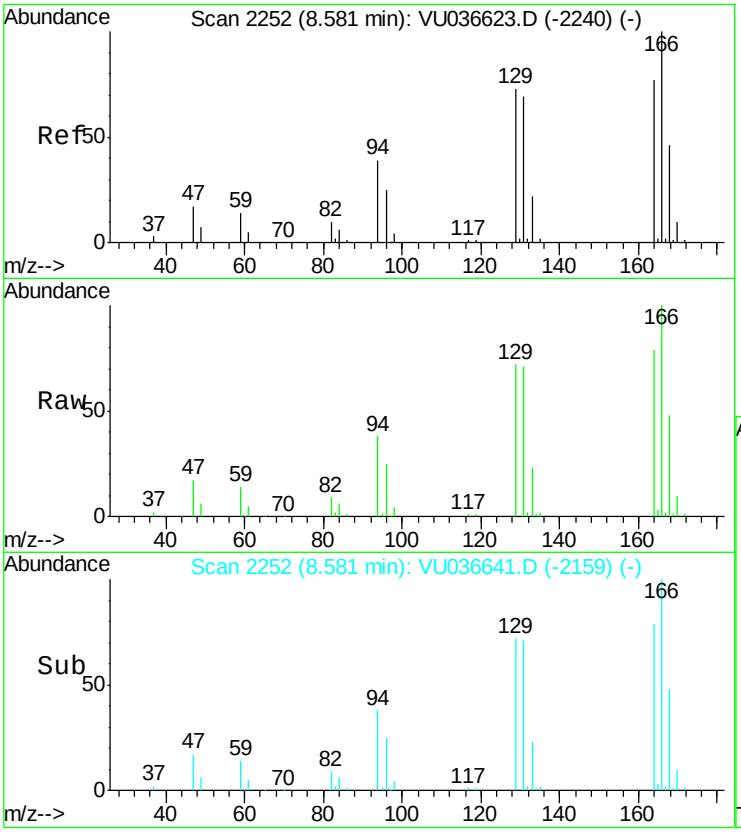




#42
Toluene
Concen: 19.787 ug/L
RT: 8.00 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion: 91 Resp: 193968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.5 | 39.9 | 74.1 |

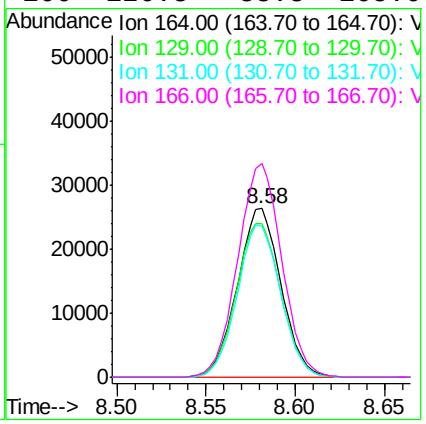





#46
Tetrachloroethene
Concen: 23.820 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion:164 Resp: 44919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.9 | 64.2 | 119.2 |
| 131 | 89.7 | 61.8 | 114.8 |
| 166 | 126.8 | 88.8 | 165.0 |

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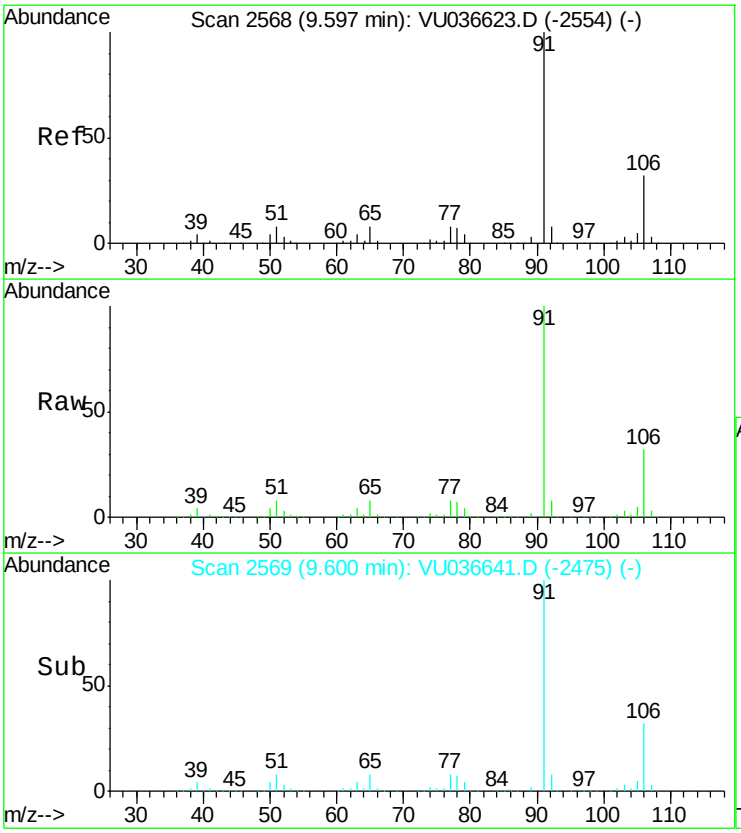
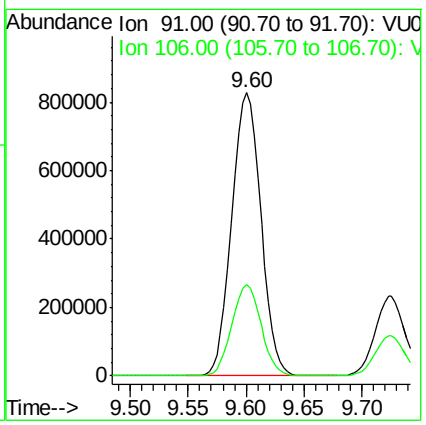
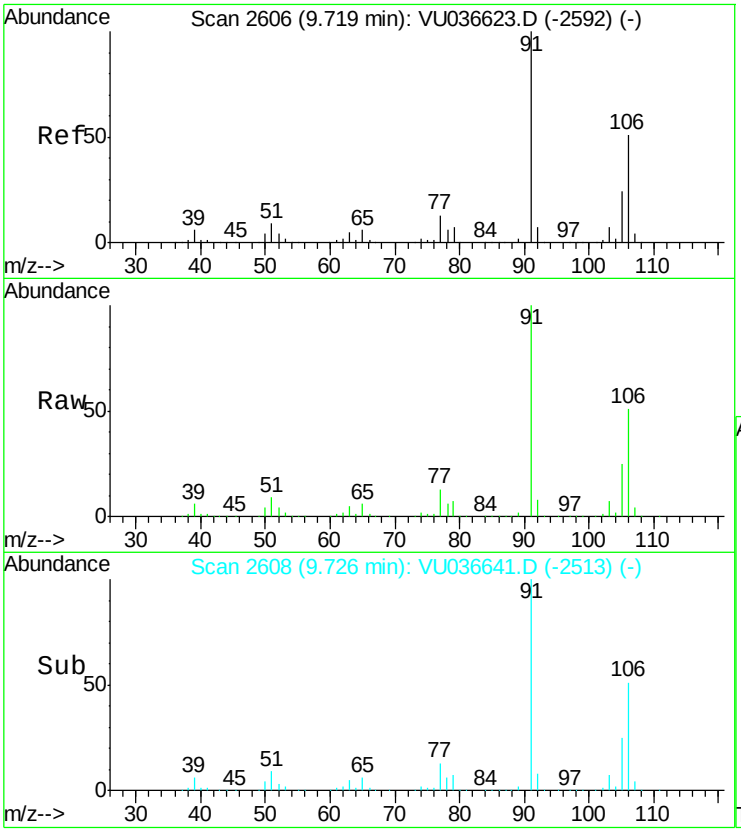



#52
Ethylbenzene
Concen: 134.121 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion: 91 Resp: 1440235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.3 | 22.6 | 42.0 |

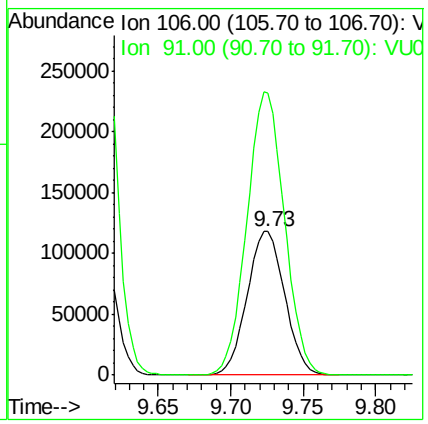





#53
m,p-Xylene
Concen: 51.043 ug/L
RT: 9.73 min Scan# 2608
Delta R.T. 0.01 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion:106 Resp: 213785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 196.3 | 139.4 | 259.0 |

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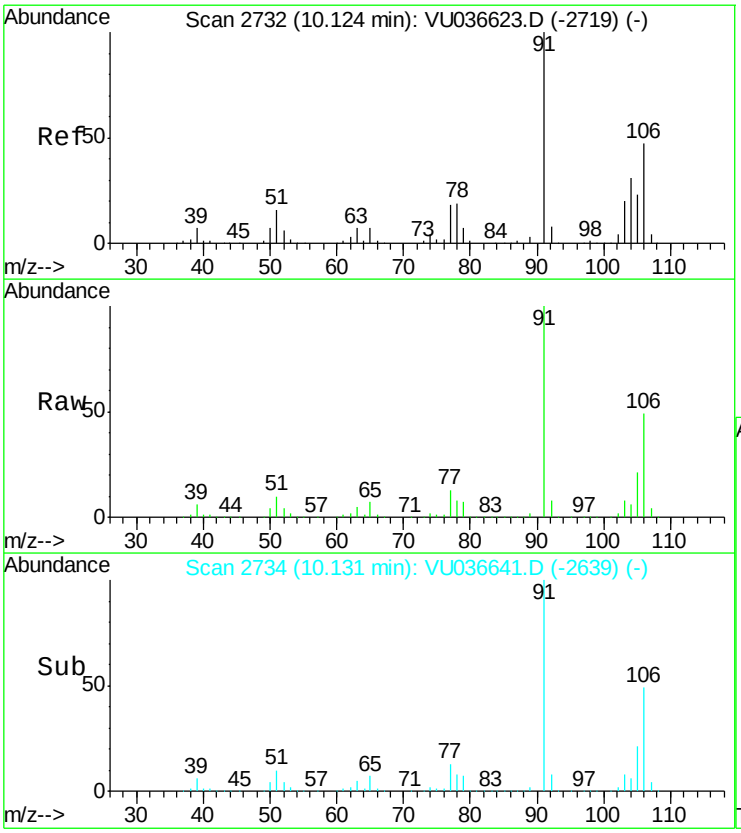
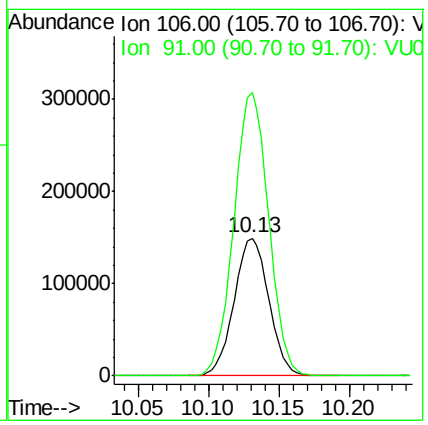
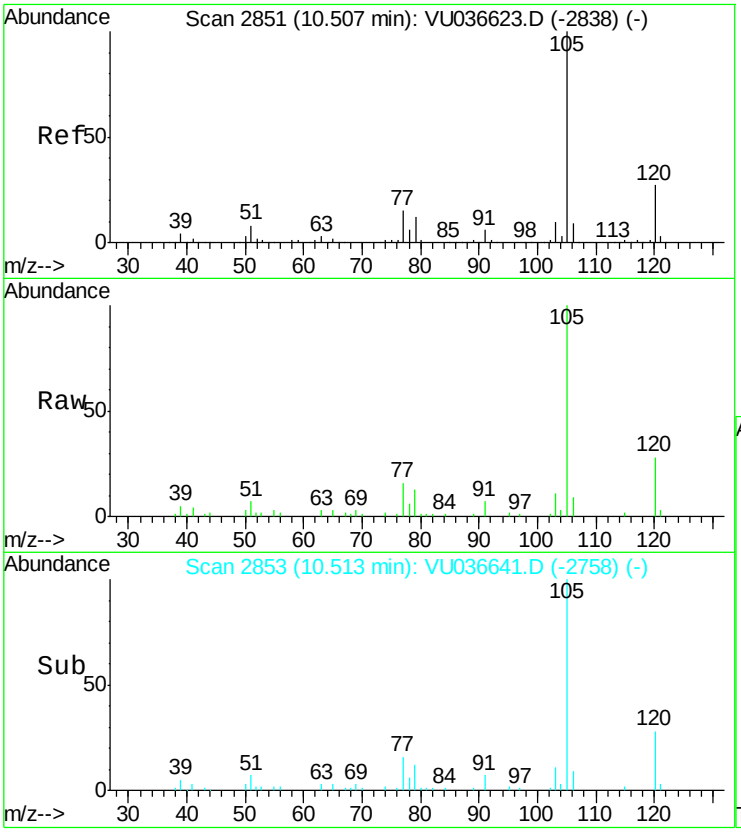



#54
o-xylene
Concen: 61.607 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.01 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion:106 Resp: 257380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.1 | 145.9 | 271.1 |

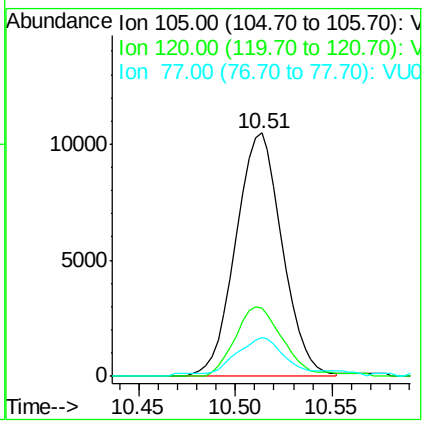





#56
Isopropylbenzene
Concen: 1.649 ug/L
RT: 10.51 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VU036641.D
Acq: 31 Jan 2020 01:01

Tgt Ion:105 Resp: 17515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 29.6 | 21.6 | 32.4 |
| 77 | 15.8 | 11.8 | 17.8 |

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