Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012300.D
Acq On : 20 Aug 2019 01:54
Operator : SY/MD
Sample : K4373-19
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AF8

**Manual Integrations APPROVED**
MMDadoda
8/20/2019 12:41:56 PM

Quant Time: Aug 20 11:24:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 249258 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 227857 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 128039 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 66506 | 5.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 104.40% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 49386 | 5.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 106.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 75567 | 3.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 62.40% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 192591 | 56.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 112.16% | | | |
| 24) Chloroform-d | 4.40 | 84 | 144780 | 4.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 73867 | 4.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 83.20% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 296192 | 4.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 90052 | 5.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 105.60% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 263497 | 4.69 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.80% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 34154 | 4.67 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 93.40% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 165080 | 71.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 142.94%# | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 69798 | 5.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 107.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 104226 | 4.05 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 81.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.22 | 43 | 15439m | 8.595 | ug/L | |
| 15) Methyl Acetate | 2.46 | 43 | 4084m | 1.146 | ug/L | |
| 30) Cyclohexane | 4.71 | 56 | 3807 | 0.167 | ug/L # | 84 |
| 33) Benzene | 5.14 | 78 | 5835870 | 92.594 | ug/L | 100 |
| 35) Methylcyclohexane | 6.17 | 83 | 8072 | 0.292 | ug/L # | 87 |
| 42) Toluene | 7.43 | 91 | 6854710 | 98.260 | ug/L | 98 |
| 52) Ethylbenzene | 9.05 | 91 | 10292980 | 131.873 | ug/L | 93 |
| 53) m,p-xylene | 9.18 | 106 | 3942695 | 129.391 | ug/L | 96 |
| 54) o-xylene | 9.59 | 106 | 1939527 | 66.180 | ug/L | 97 |
| 56) Isopropylbenzene | 9.97 | 105 | 2866242 | 35.432 | ug/L | 99 |

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AF8

**Manual Integrations APPROVED**
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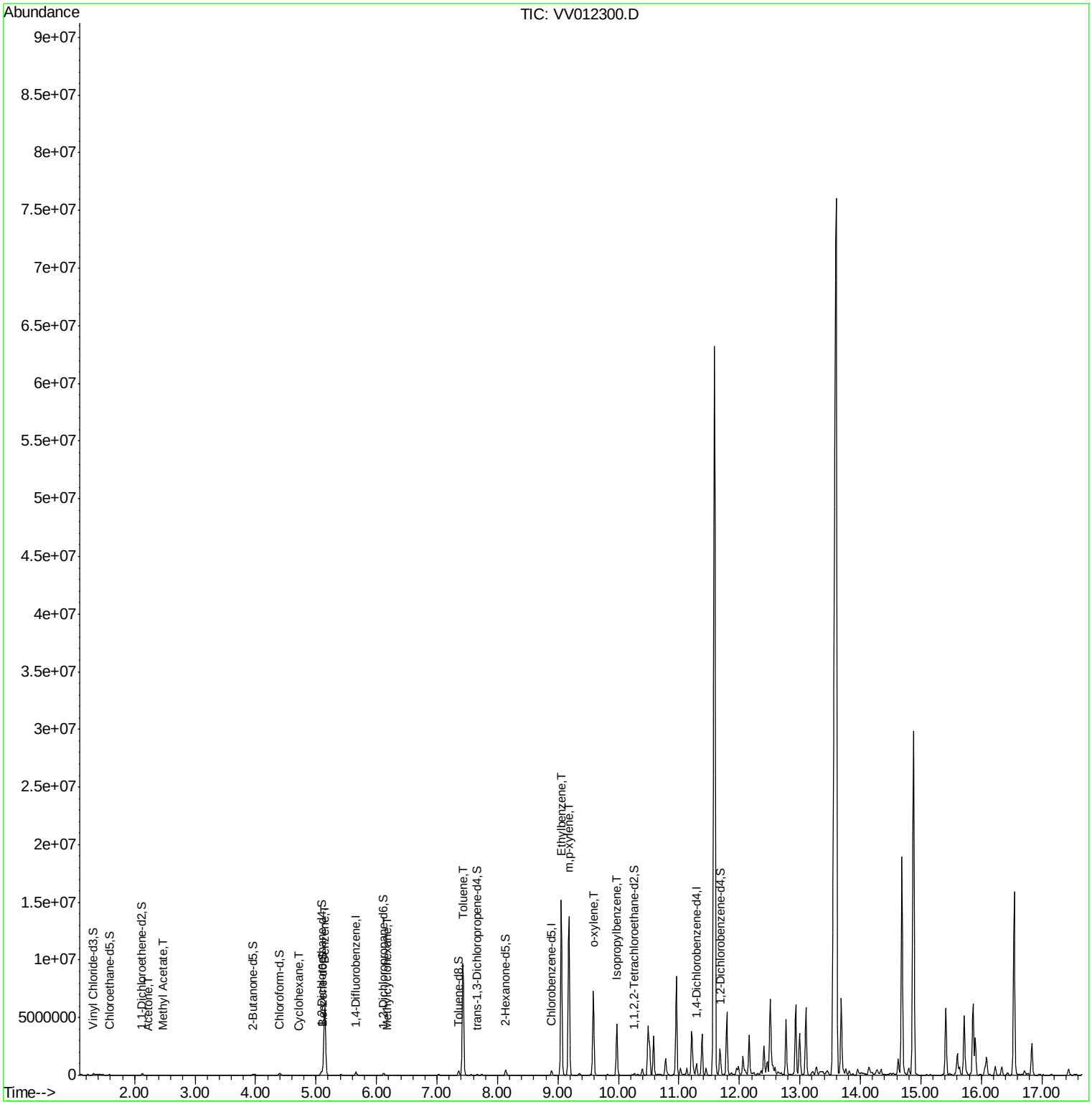
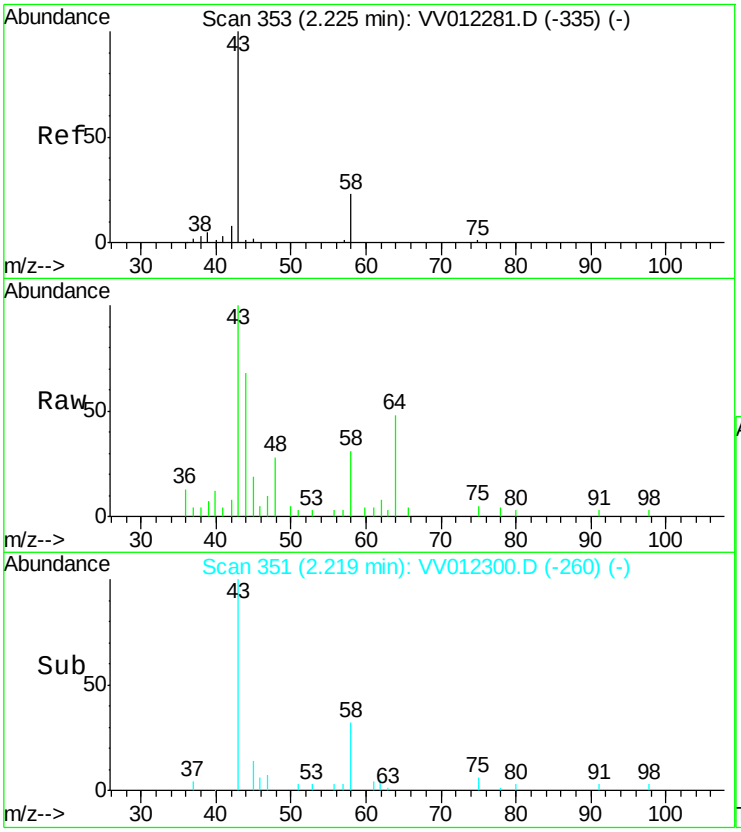
8/20/2019 12:41:56 PM

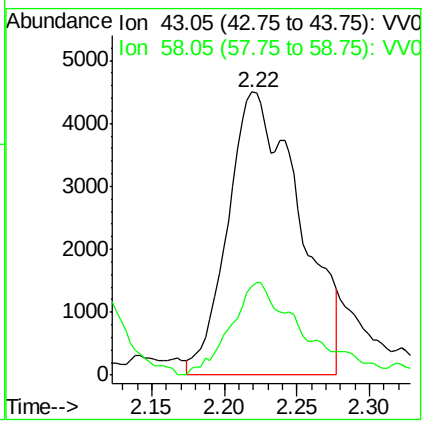





#13
Acetone
Concen: 8.595 ug/L m
RT: 2.22 min Scan# 351
Delta R.T. -0.01 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 43 Resp: 15439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.9 | 0.0 | 25.6# |

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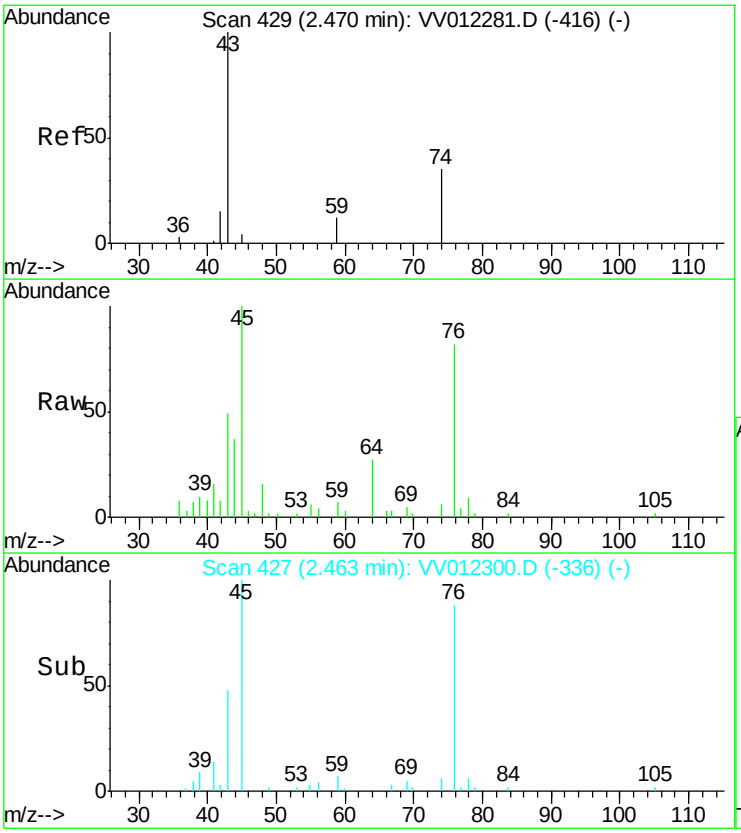
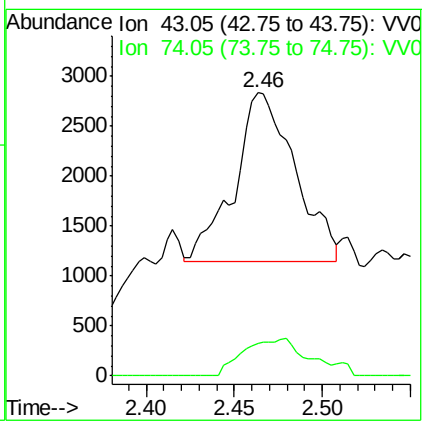
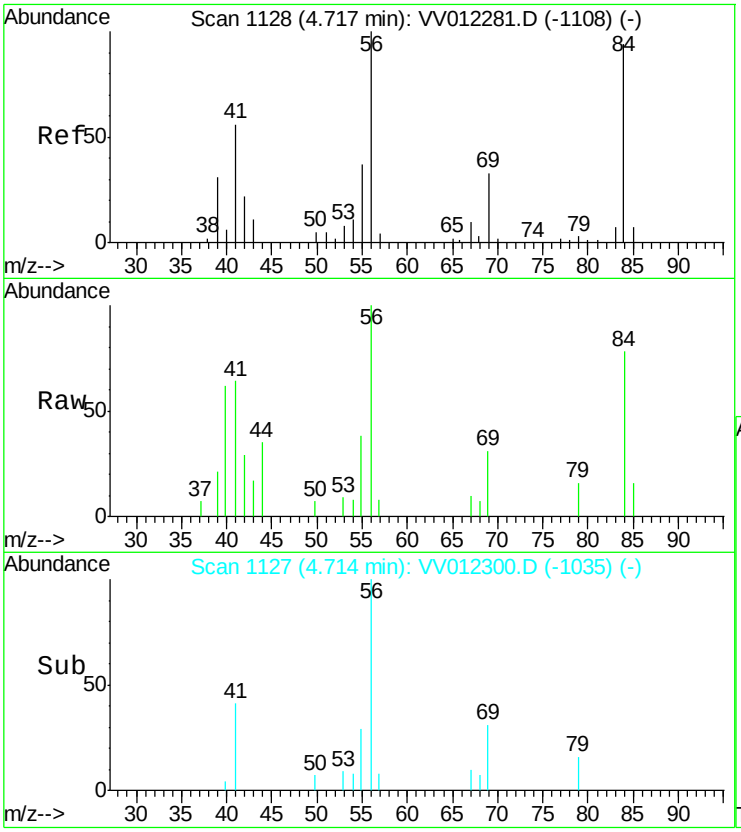



#15
Methyl Acetate
Concen: 1.146 ug/L m
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 43 Resp: 4084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 24.9 | 37.3# |

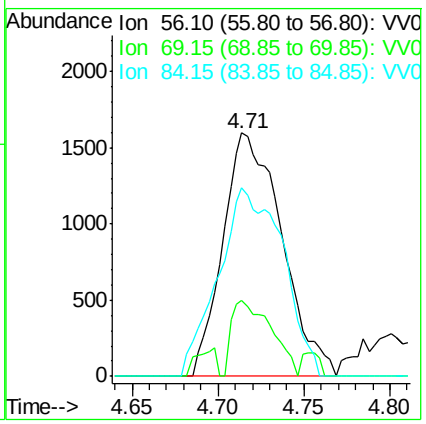





#30
Cyclohexane
Concen: 0.167 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 56 Resp: 3807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 21.0 | 25.3 | 37.9# |
| 84 | 84.7 | 79.9 | 119.9 |

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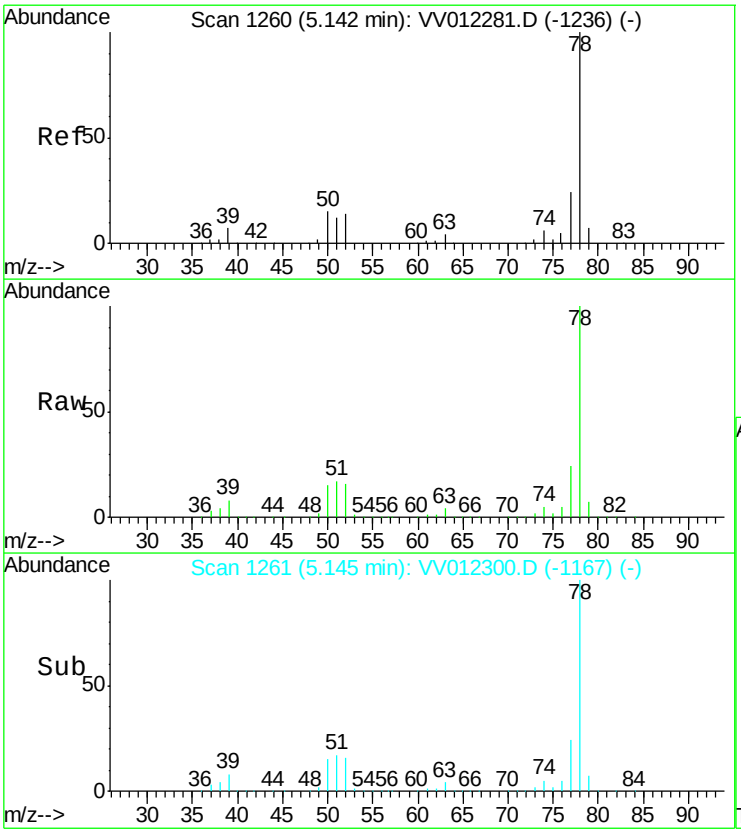
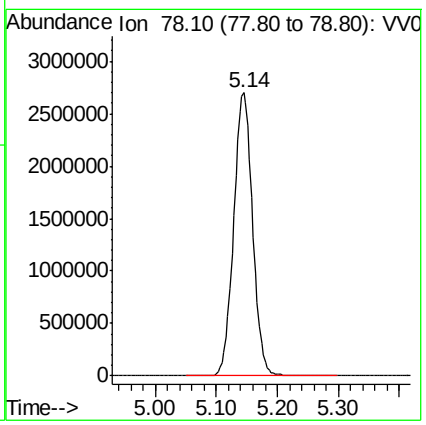
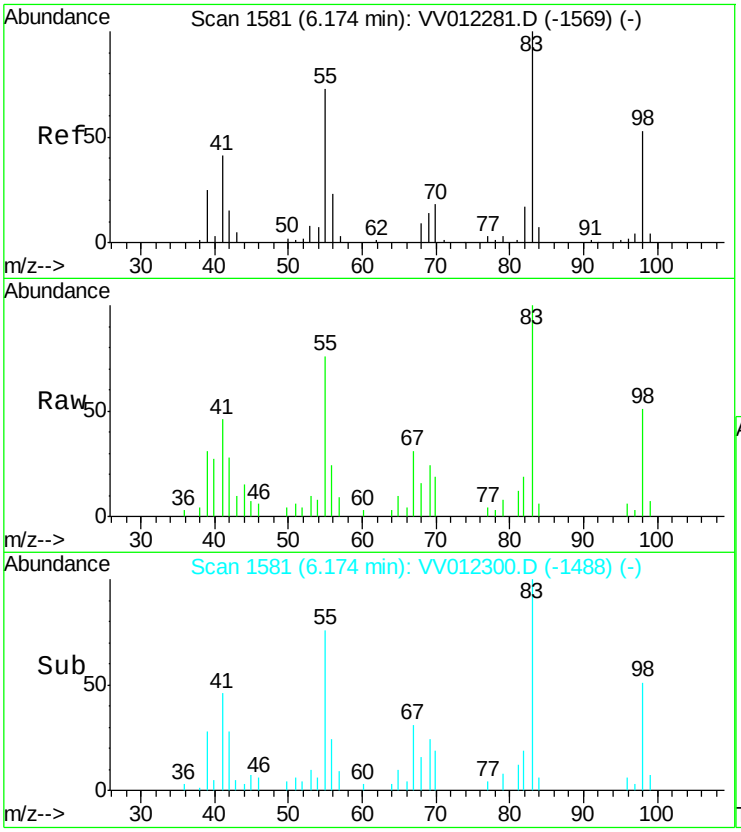



#33
Benzene
Concen: 92.594 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 78 Resp: 5835870

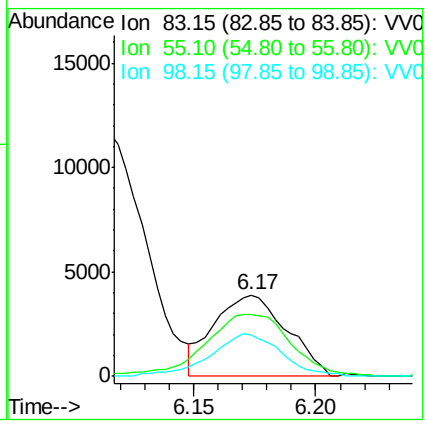





#35
Methylcyclohexane
Concen: 0.292 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 83 Resp: 8072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 90.0 | 57.3 | 85.9# |
| 98 | 50.5 | 40.3 | 60.5 |

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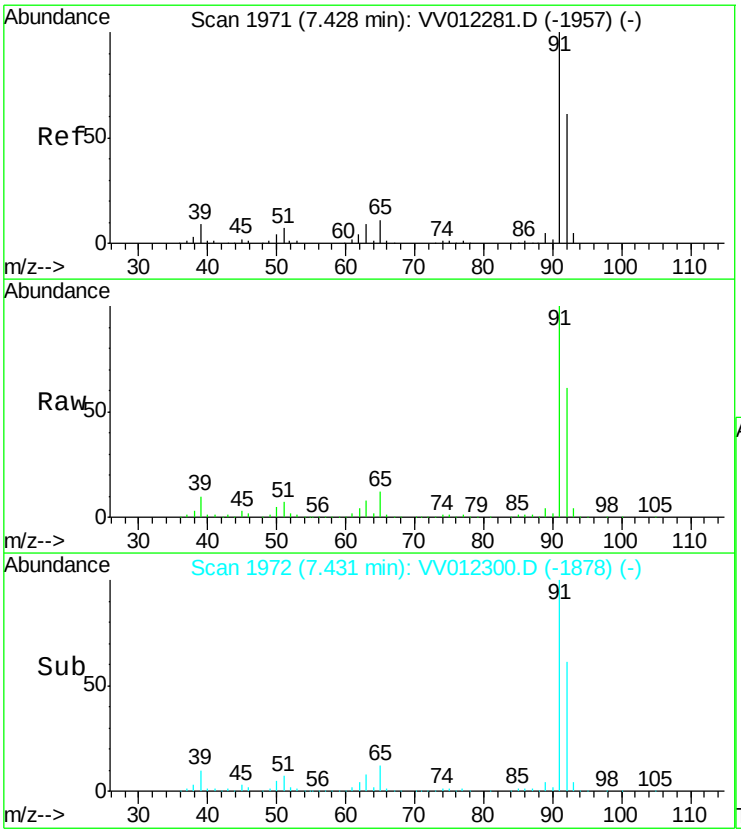
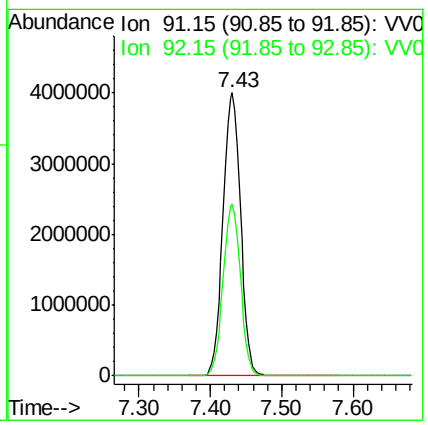
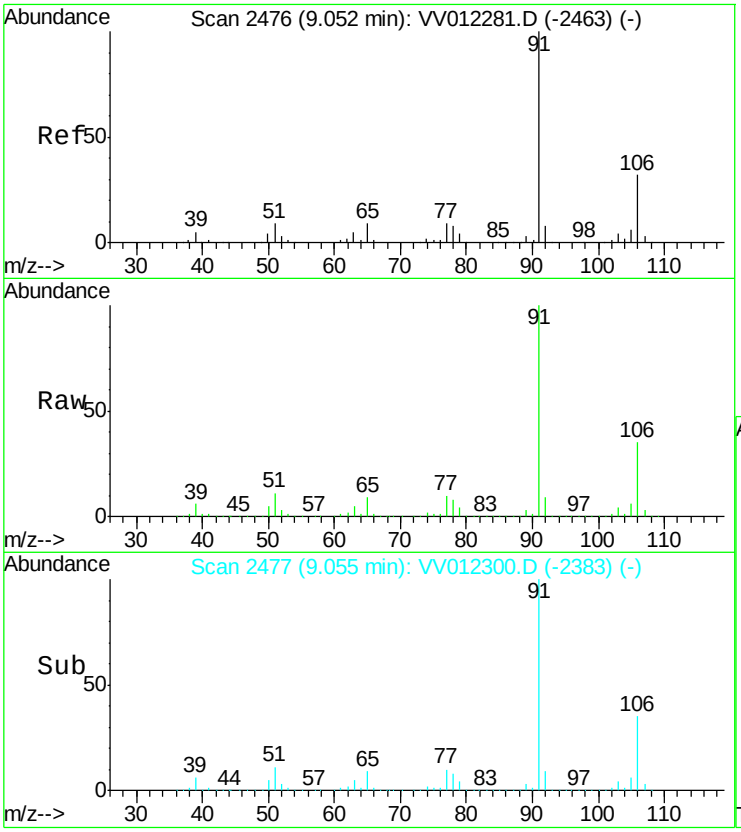



#42
Toluene
Concen: 98.260 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 91 Resp: 6854710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 60.8 | 41.6 | 77.3 |

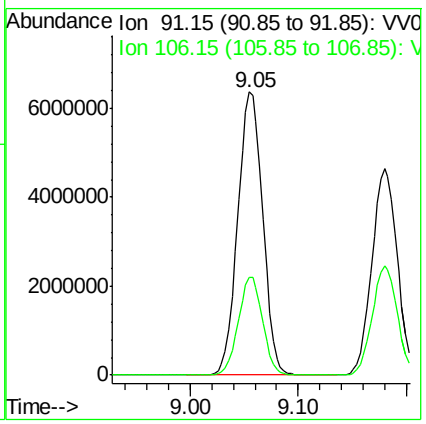





#52
Ethylbenzene
Concen: 131.873 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion: 91 Resp:10292980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 34.7 | 21.6 | 40.0 |




**Instrument :**
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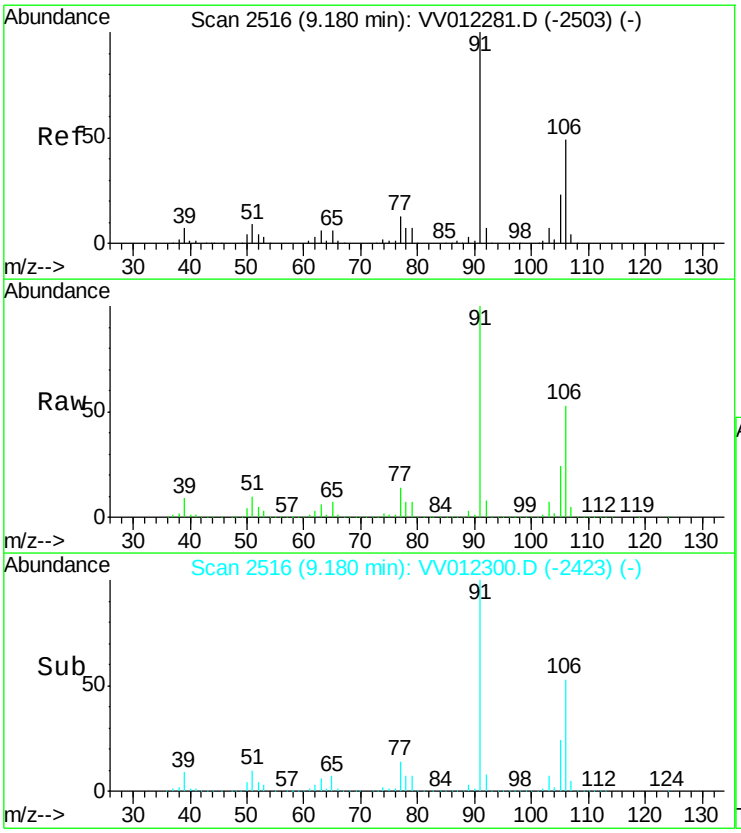
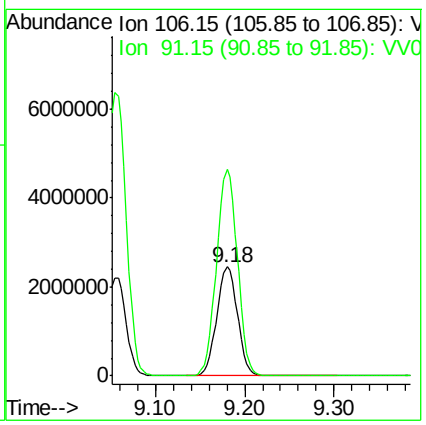
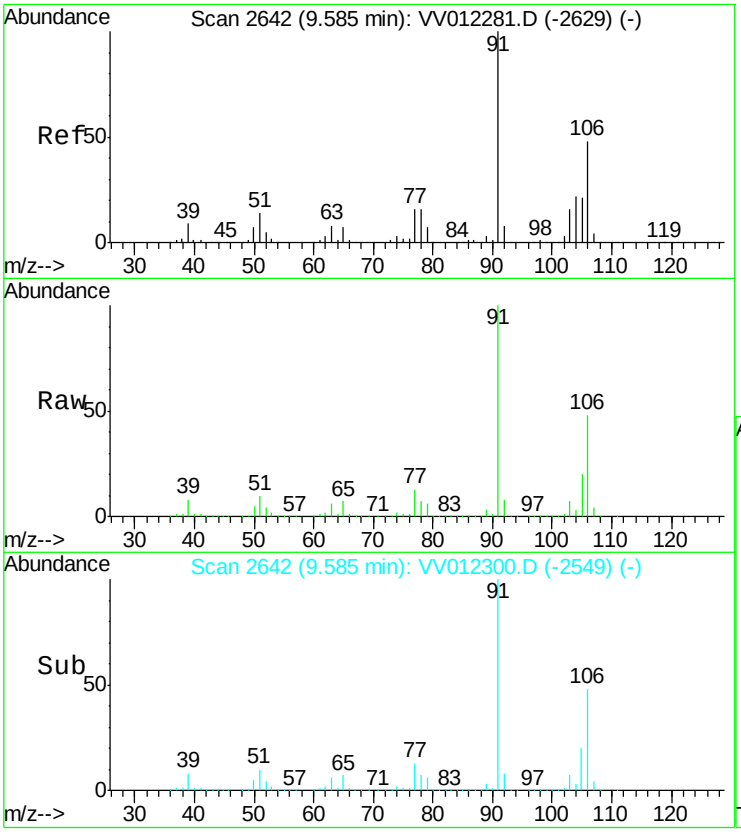



#53
m,p-xylene
Concen: 129.391 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion:106 Resp: 3942695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 188.8 | 136.0 | 252.6 |

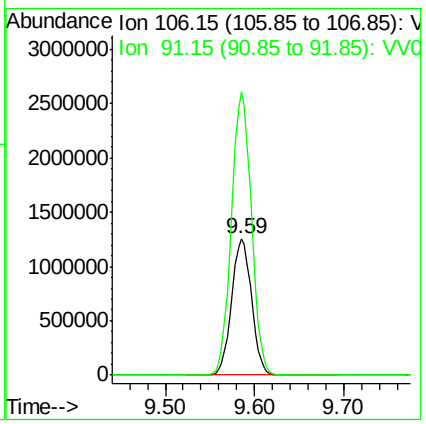





#54
o-xylene
Concen: 66.180 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion:106 Resp: 1939527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.3 | 148.7 | 276.1 |

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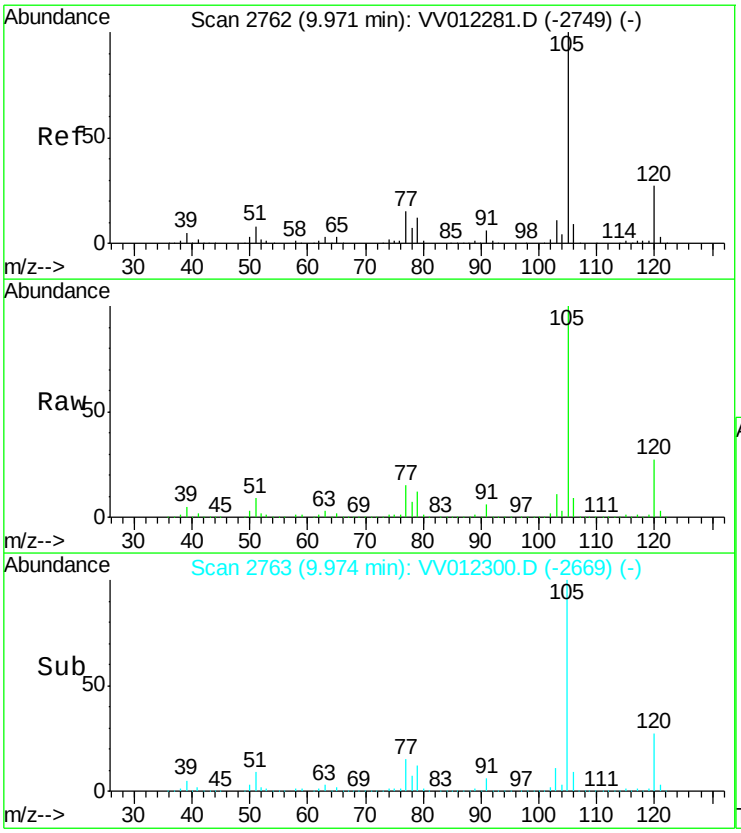


#56
Isopropylbenzene
Concen: 35.432 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012300.D
Acq: 20 Aug 2019 01:54

Tgt Ion:105 Resp: 2866242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.1 | 21.4 | 32.0 |
| 77 | 15.2 | 12.2 | 18.2 |