Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101218\
Data File : VR026054.D
Acq On : 12 Oct 2018 10:52
Operator : SY/MD
Sample : J5315-18
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :** C0JA9

**Manual Integrations APPROVED**
MMDadoda
10/15/2018 11:29:35 AM

Quant Time: Oct 13 01:03:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 13 00:51:09 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.46 | 114 | 495176 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.29 | 117 | 419449 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152 | 142063 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.15 | 65 | 186653 | 4.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 95.60% | | | |
| 7) Chloroethane-d5 | 2.63 | 69 | 171459 | 5.37 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 107.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.62 | 63 | 357639 | 3.90 | ug/L | 0.01 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 78.00% | | | |
| 20) 2-Butanone-d5 | 6.59 | 46 | 192564 | 44.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 88.46% | | | |
| 24) Chloroform-d | 7.20 | 84 | 287330 | 4.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 7.90 | 65 | 130604 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 89.40% | | | |
| 32) Benzene-d6 | 7.85 | 84 | 576862 | 4.13 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 82.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 8.90 | 67 | 161564 | 4.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 85.80% | | | |
| 41) Toluene-d8 | 9.97 | 98 | 531814 | 4.05 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 81.00% | | | |
| 43) trans-1,3-Dichloropropene- | 10.23 | 79 | 32163 | 3.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 75.40% | | | |
| 46) 2-Hexanone-d5 | 10.59 | 63 | 148322 | 45.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 91.10% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84 | 63412 | 4.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 83.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 13.52 | 152 | 98229 | 4.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 86.40% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 12) 1,1-Dichloroethene | 3.63 | 96 | 21806m | 0.583 | ug/L | |
| 19) 1,1-Dichloroethane | 5.69 | 63 | 12376 | 0.202 | ug/L # | 86 |
| 22) cis-1,2-Dichloroethene | 6.68 | 96 | 6536 | 0.210 | ug/L # | 98 |
| 31) Carbon tetrachloride | 7.63 | 117 | 9846 | 0.241 | ug/L | 99 |
| 34) Trichloroethene | 8.71 | 95 | 80769 | 2.179 | ug/L | 97 |
| 47) Tetrachloroethene | 10.51 | 164 | 84716 | 3.709 | ug/L | 91 |

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

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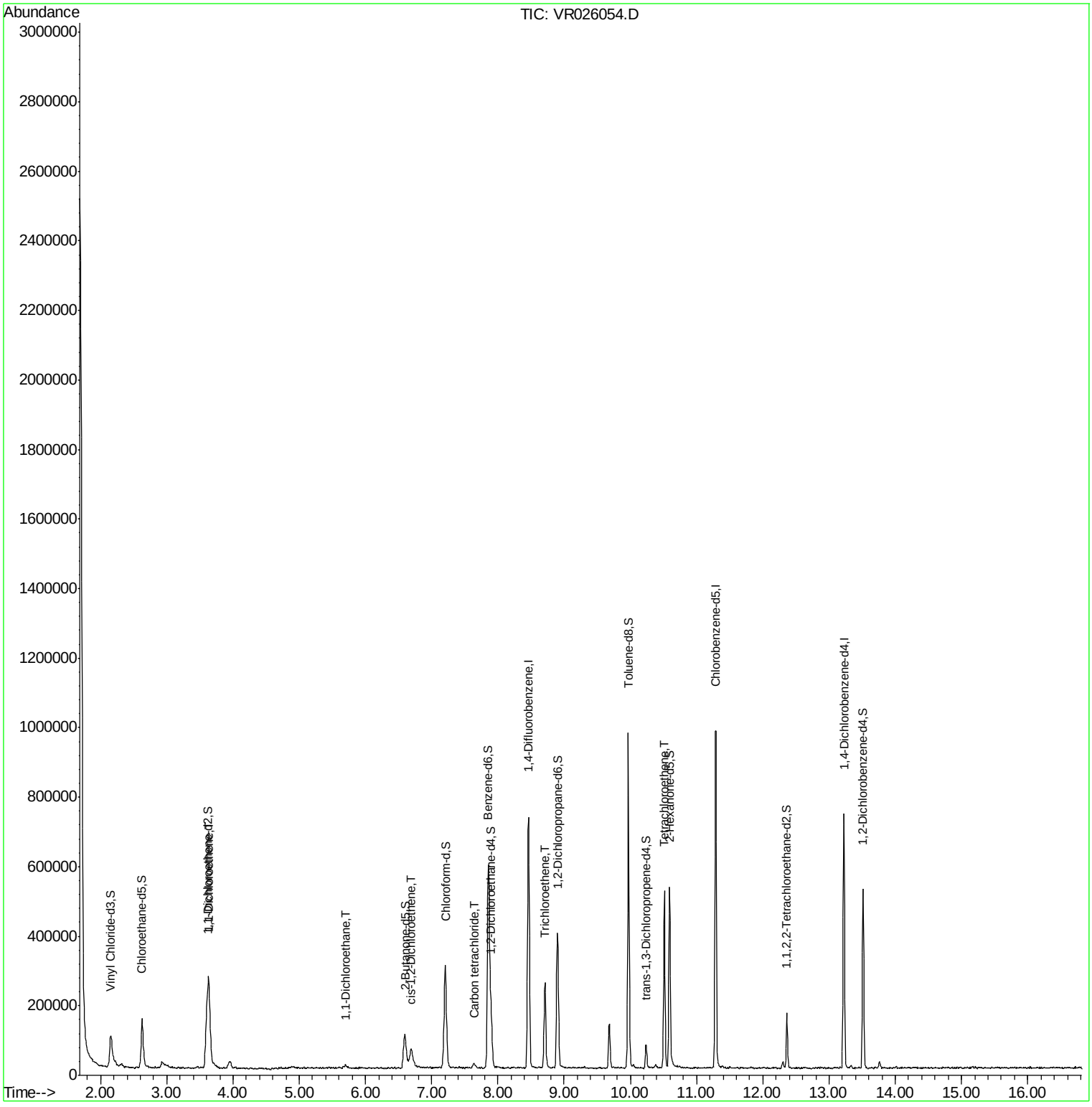
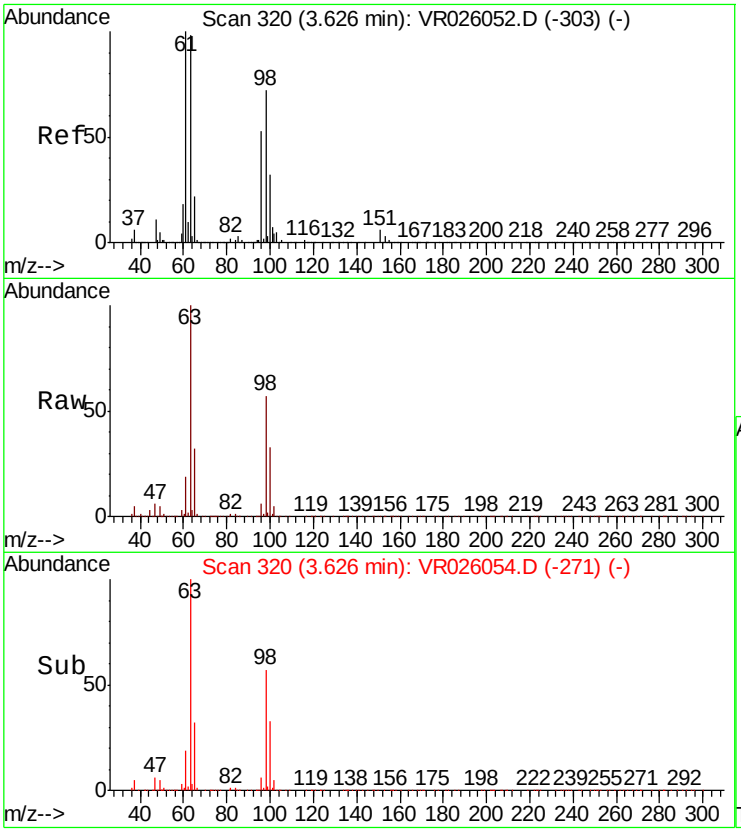
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 13 00:51:09 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_R
**ClientSampleId :**
C0JA9

**Manual Integrations APPROVED**
MMDadoda
10/15/2018 11:29:35 AM

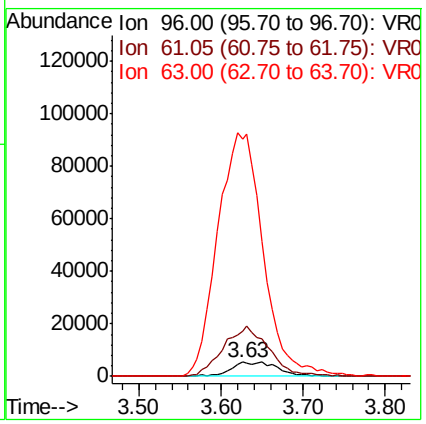





#12
1,1-Dichloroethene
Concen: 0.583 ug/L m
RT: 3.63 min Scan# 320
Delta R.T. -0.00 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion: 96 Resp: 21806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 323.8 | 145.0 | 269.4# |
| 63 | 1685.7 | 123.8 | 230.0# |




**Instrument :**
MSVOA_R
**ClientSampleId :**
C0JA9

**Manual Integrations APPROVED**
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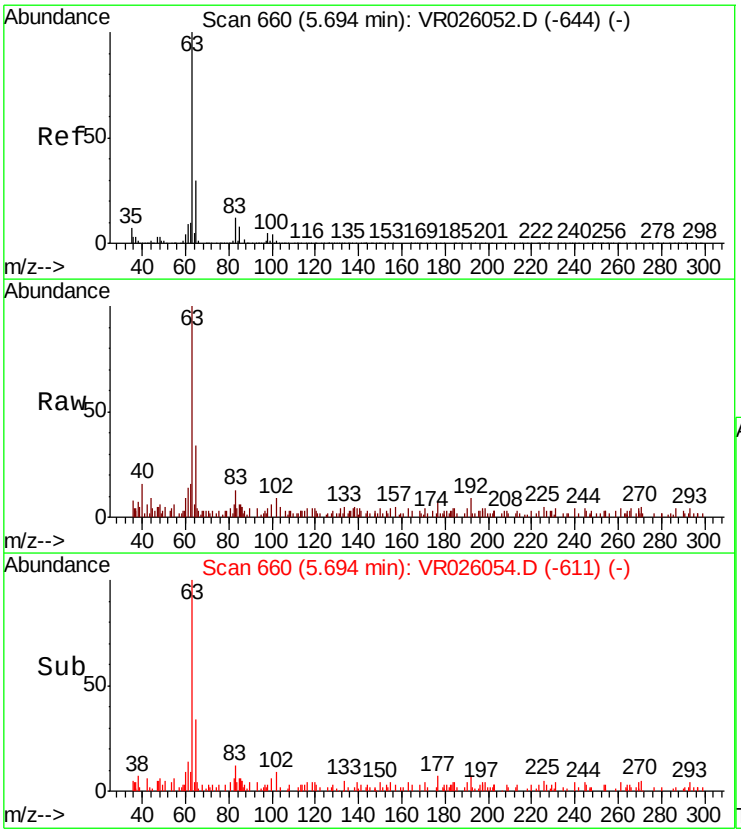
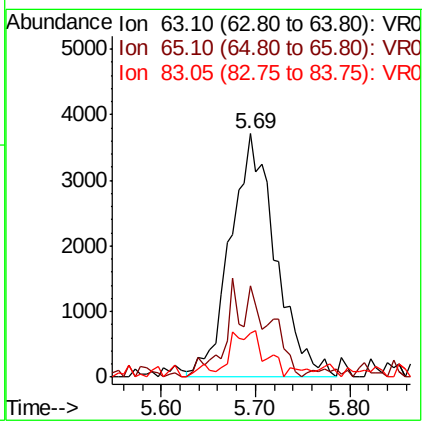
10/15/2018 11:29:35 AM

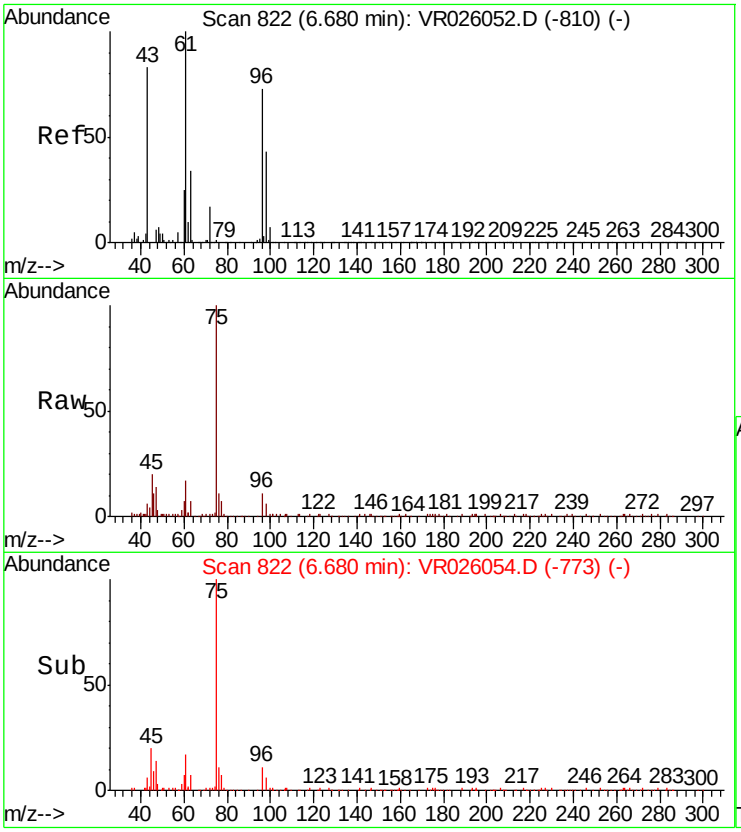



#19
1,1-Dichloroethane
Concen: 0.202 ug/L
RT: 5.69 min Scan# 660
Delta R.T. -0.00 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion: 63 Resp: 12376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 37.7 | 21.1 | 39.1 |
| 83 | 17.8 | 8.9 | 16.5# |






#22
cis-1,2-Dichloroethene
Concen: 0.210 ug/L
RT: 6.68 min Scan# 822
Delta R.T. -0.00 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion: 96 Resp: 6536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 157.5 | 108.7 | 201.9 |
| 68 | 11.6 | 0.1 | 0.1# |

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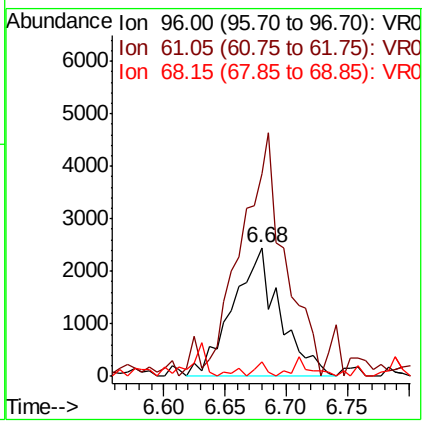
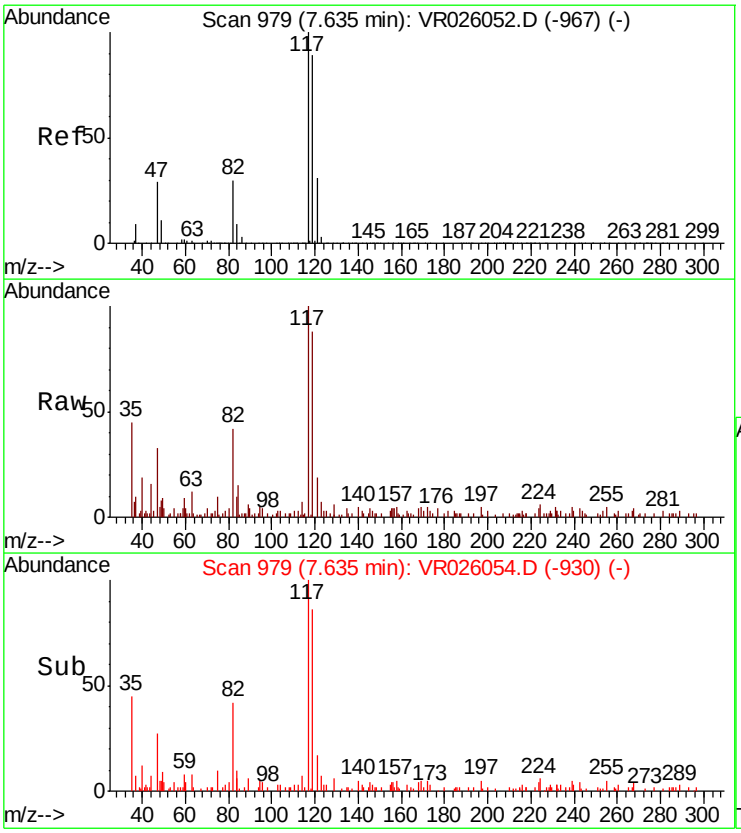
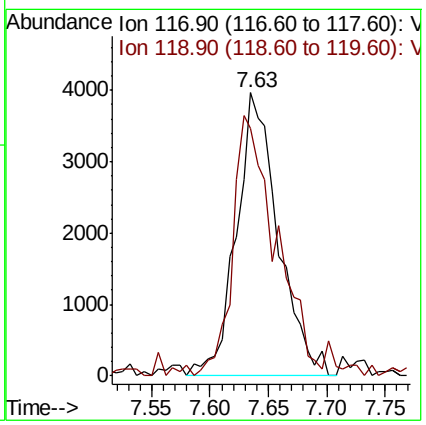


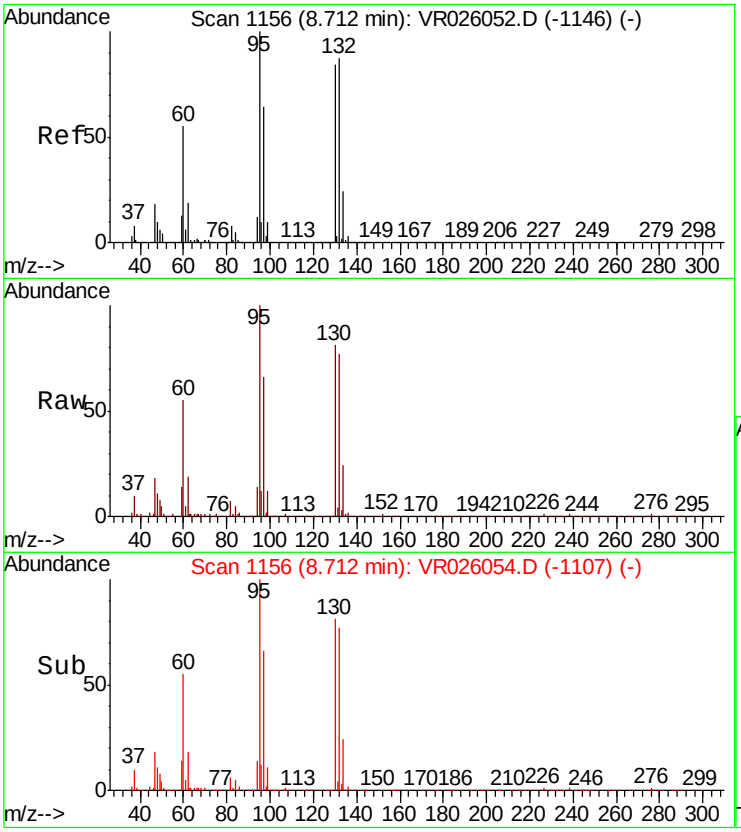




#31
Carbon tetrachloride
Concen: 0.241 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.00 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion:117 Resp: 9846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 75.6 | 113.4 |

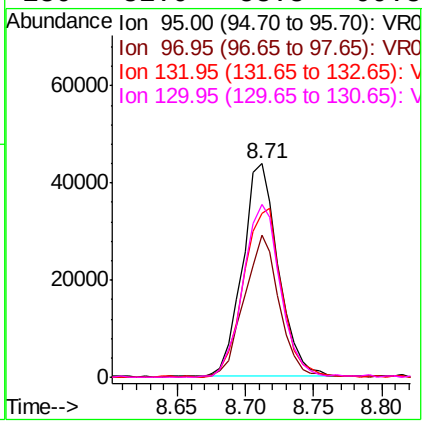





#34
Trichloroethene
Concen: 2.179 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion: 95 Resp: 80769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 66.5 | 43.9 | 81.5 |
| 132 | 76.9 | 53.3 | 98.9 |
| 130 | 81.0 | 53.8 | 99.8 |

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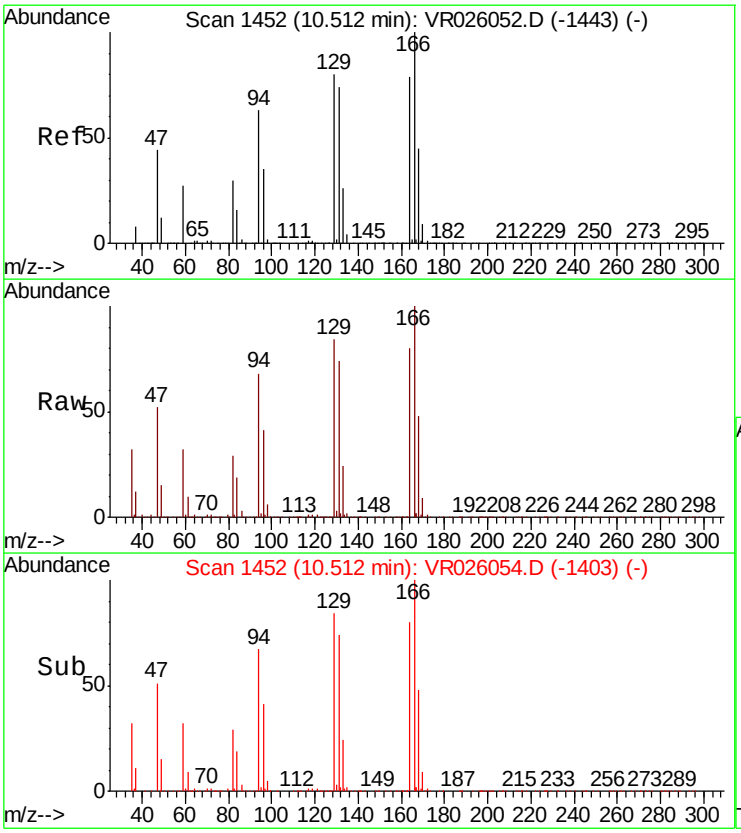
MMDadoda
10/15/2018 11:29:35 AM




#47
Tetrachloroethene
Concen: 3.709 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion:164 Resp: 84716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 104.5 | 80.8 | 150.2 |
| 131 | 92.8 | 74.5 | 138.3 |
| 166 | 127.2 | 92.5 | 171.7 |