Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112618\
Data File : VV008717.D
Acq On : 26 Nov 2018 16:08
Operator : SY/MD
Sample : J6036-01DL 5X
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0923DL

**Manual Integrations APPROVED**
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Quant Time: Nov 27 04:10:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 301377 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 278591 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 126623 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 85545 | 40.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 80.48% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 64828 | 55.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 111.64% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 117310 | 33.43 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 66.86% | | | |
| 21) 2-Butanone-d5 | 3.93 | 46 | 153138m | 88.37 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 88.37% | | | |
| 24) Chloroform-d | 4.41 | 84 | 189306 | 43.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 87.92% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 124158 | 45.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.16% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 399857 | 46.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.28% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 127574 | 47.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 94.18% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 363165 | 46.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 93.38% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 56449 | 46.59 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 93.18% | | | |
| 47) 2-Hexanone-d5 | 8.13 | 63 | 107402 | 87.68 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 87.68% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 162997 | 44.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 88.22% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 136034 | 49.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.44% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 13) Acetone | 2.19 | 43 | 6581 | 3.838 | ug/L | 98 |
| 33) Benzene | 5.15 | 78 | 70821 | 7.907 | ug/L | 100 |
| 51) Chlorobenzene | 8.93 | 112 | 620128 | 104.646 | ug/L | 93 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 40326 | 9.504 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 383413 | 88.666 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 621074 | 141.815 | ug/L | 96 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 78558 | 35.044 | ug/L | 96 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 26333 | 11.424 | ug/L | 97 |

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

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QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0923DL

**Manual Integrations APPROVED**
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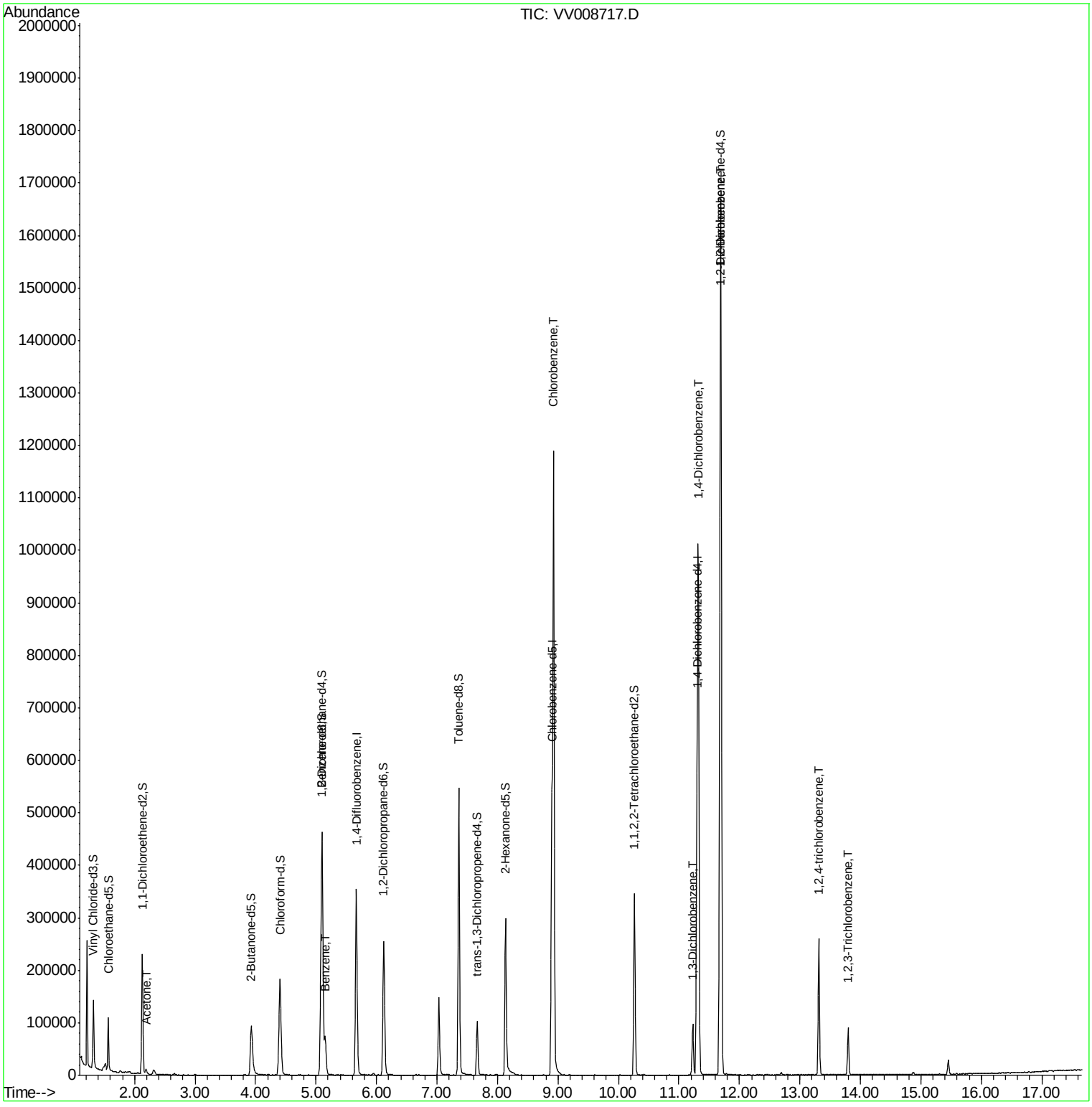

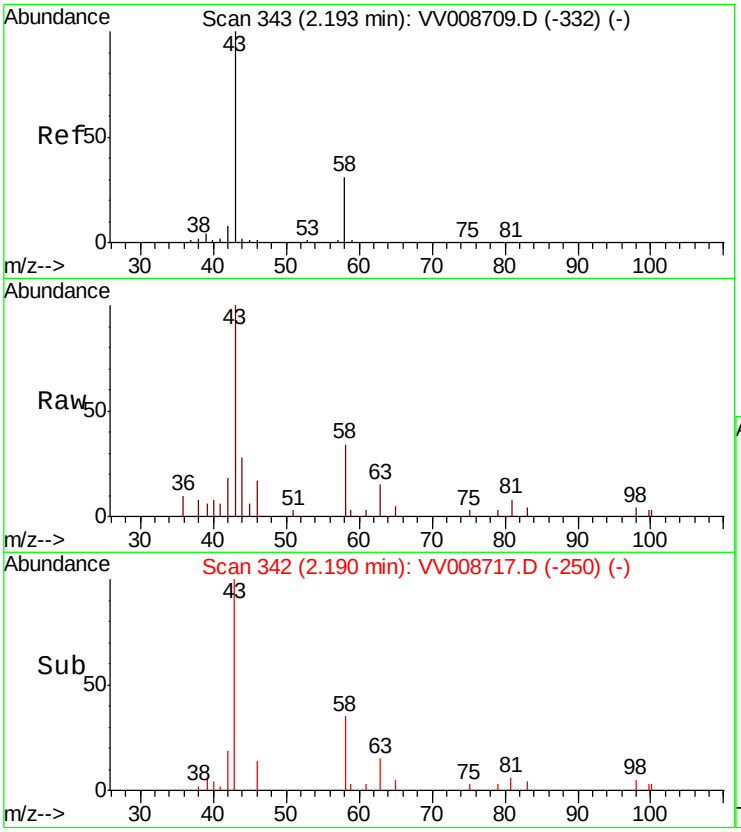


#13
Acetone
Concen: 3.838 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.00 min
Lab File: VV008717.D
Acq: 26 Nov 2018 16:08

Tgt Ion: 43 Resp: 6581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.3 | 0.0 | 62.8 |

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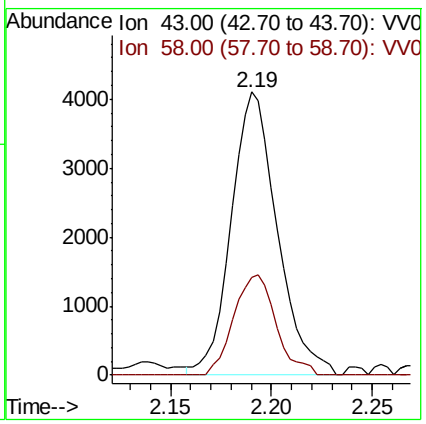
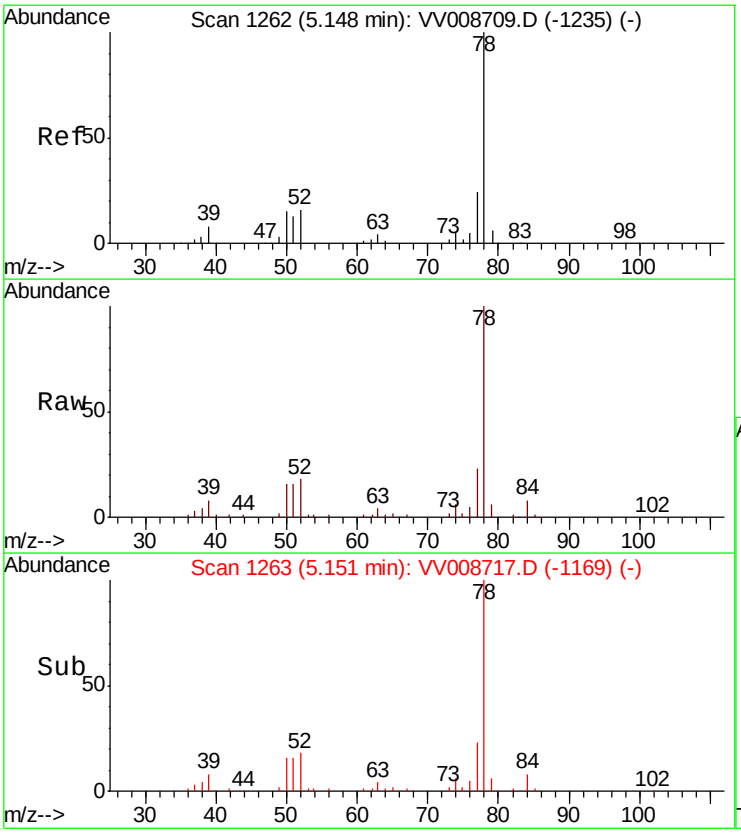
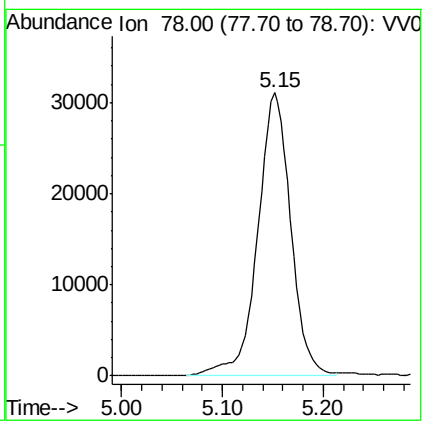
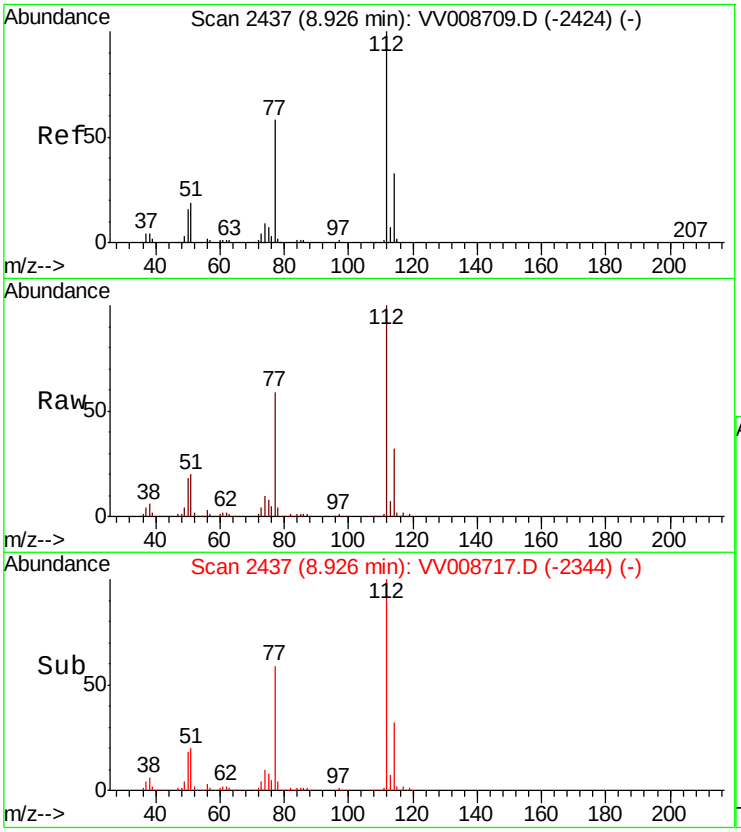



#33
Benzene
Concen: 7.907 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008717.D
Acq: 26 Nov 2018 16:08

Tgt Ion: 78 Resp: 70821

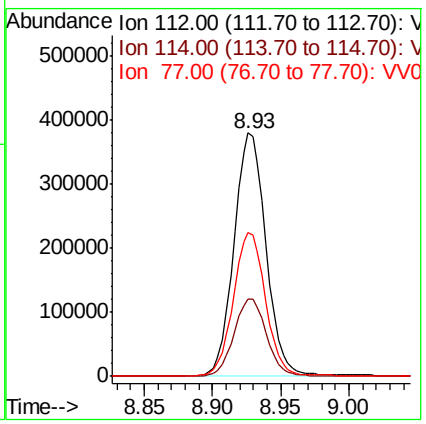





#51
Chlorobenzene
Concen: 104.646 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008717.D
Acq: 26 Nov 2018 16:08

Tgt Ion:112 Resp: 620128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 22.9 | 42.5 |
| 77 | 59.3 | 53.8 | 80.6 |

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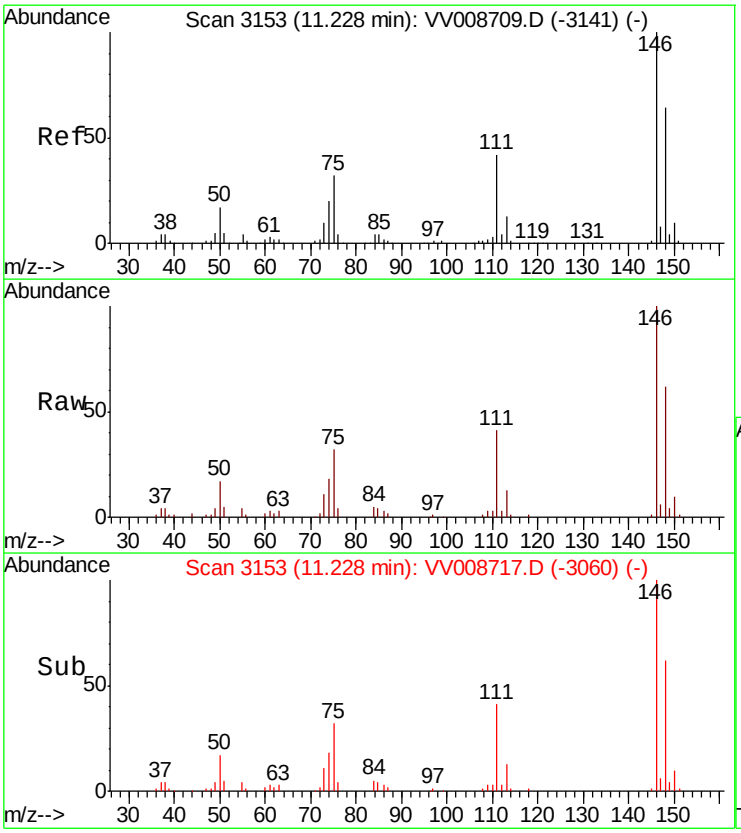
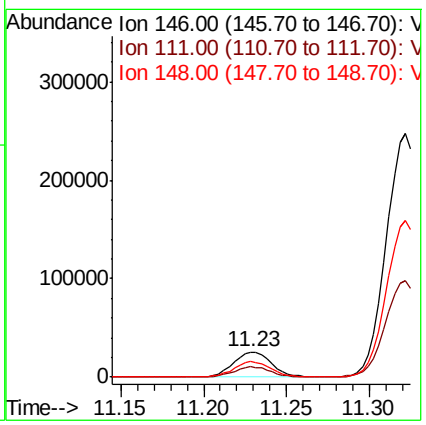
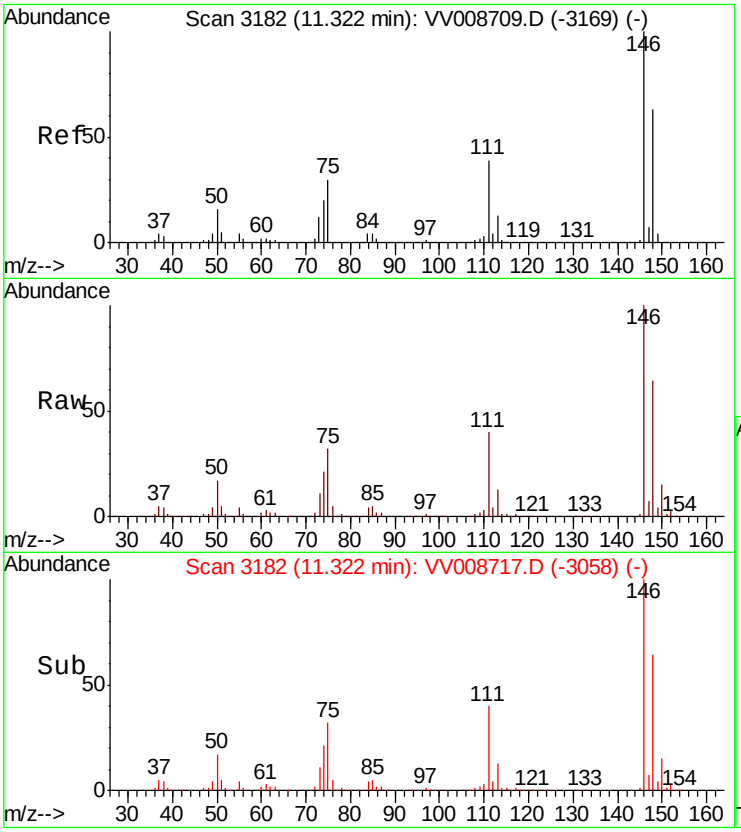



#62
1,3-Dichlorobenzene
Concen: 9.504 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VV008717.D
Acq: 26 Nov 2018 16:08

Tgt Ion:146 Resp: 40326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 27.9 | 51.7 |
| 148 | 61.8 | 42.7 | 79.3 |

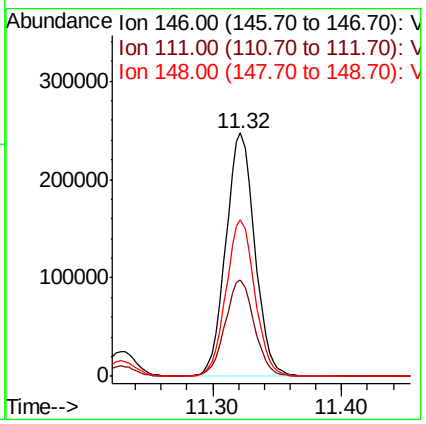





#63
1,4-Dichlorobenzene
Concen: 88.666 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VV008717.D
Acq: 26 Nov 2018 16:08

Tgt Ion:146 Resp: 383413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.6 | 27.7 | 51.5 |
| 148 | 64.5 | 46.4 | 86.2 |

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MSVOA_V
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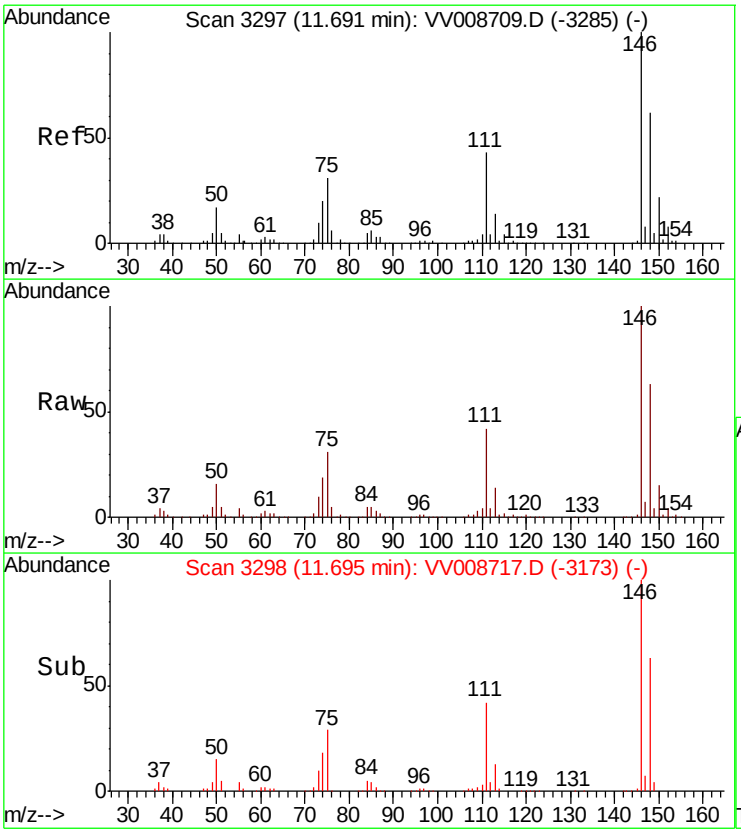
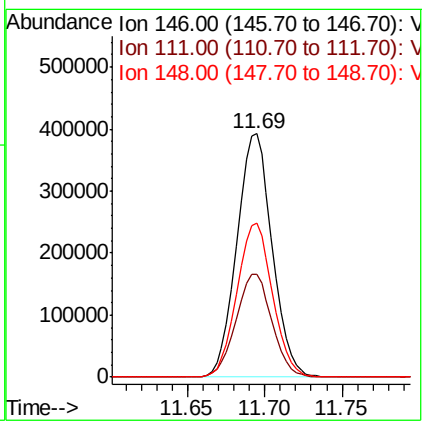
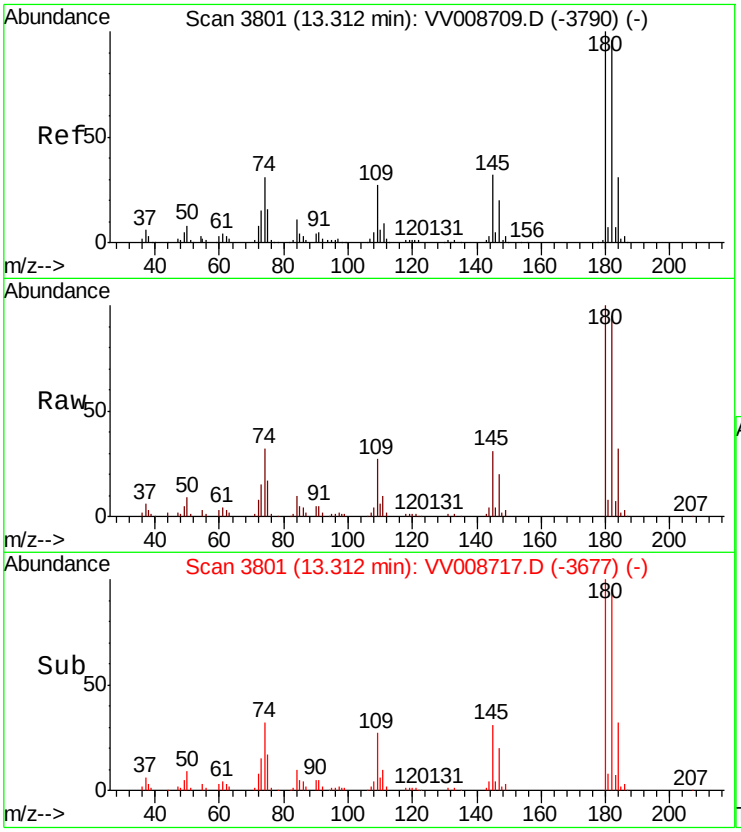



#65
1,2-Dichlorobenzene
Concen: 141.815 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VV008717.D
Acq: 26 Nov 2018 16:08

Tgt Ion:146 Resp: 621074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 36.5 | 54.7 |
| 148 | 63.0 | 48.7 | 73.1 |

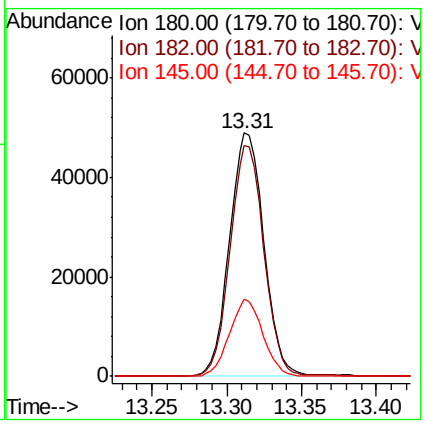





#68
1,2,4-trichlorobenzene
Concen: 35.044 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.00 min
Lab File: VV008717.D
Acq: 26 Nov 2018 16:08

Tgt Ion:180 Resp: 78558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.6 | 75.7 | 113.5 |
| 145 | 30.7 | 28.0 | 42.0 |

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**ClientSampleId :**
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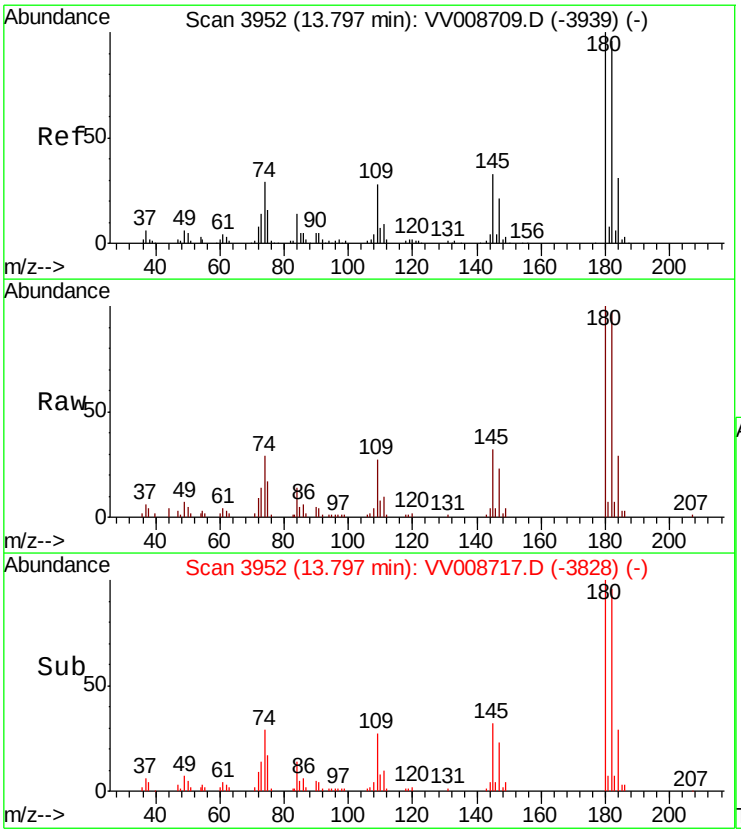


#70
1,2,3-Trichlorobenzene
Concen: 11.424 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV008717.D
Acq: 26 Nov 2018 16:08

Tgt Ion:180 Resp: 26333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 77.5 | 116.3 |
| 145 | 31.0 | 28.9 | 43.3 |