Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050919\

Quantitation Report (Not Reviewed)

Data File : VV010808.D
Acq On : 10 May 2019 11:54
Operator : SY/MD
Sample : K2603-23
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

Quant Time: May 10 23:02:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Fri May 10 22:59:03 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 93029 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 91742 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 37874 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 31838 | 22.03 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 88.12% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 29950 | 25.18 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 100.72% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.12 | 63 | 56295 | 17.96 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 71.84% | | | |
| 20) 2-Butanone-d5 | 3.93 | 46 | 20490 | 47.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 94.50% | | | |
| 24) Chloroform-d | 4.40 | 84 | 58895 | 23.22 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 92.88% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 38157 | 24.09 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.36% | | | |
| 29) Benzene-d6 | 5.10 | 84 | 117932 | 24.42 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 97.68% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.11 | 67 | 38800 | 25.22 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 100.88% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 108425 | 23.45 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 93.80% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 14556 | 20.75 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 83.00% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 14132 | 43.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 87.78% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 32907 | 22.76 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 91.04% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 36950 | 25.19 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 100.76% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 13) Acetone | 2.19 | 43 | 1222 | 1.820 | ug/L | 92 |
| 15) Methyl Acetate | 2.31 | 43 | 823 | 1.026 | ug/L # | 55 |
| 16) Methylene chloride | 2.53 | 84 | 2005 | 1.394 | ug/L | 83 |
| 25) Chloroform | 4.43 | 83 | 3293 | 1.170 | ug/L # | 23 |
| 35) Trichloroethene | 5.66 | 95 | 2900 | 1.922 | ug/L # | 7 |
| 40) 1,2-Dichloropropane | 6.11 | 63 | 4361 | 3.044 | ug/L # | 87 |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 5633 | 4.681 | ug/L | 89 |

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

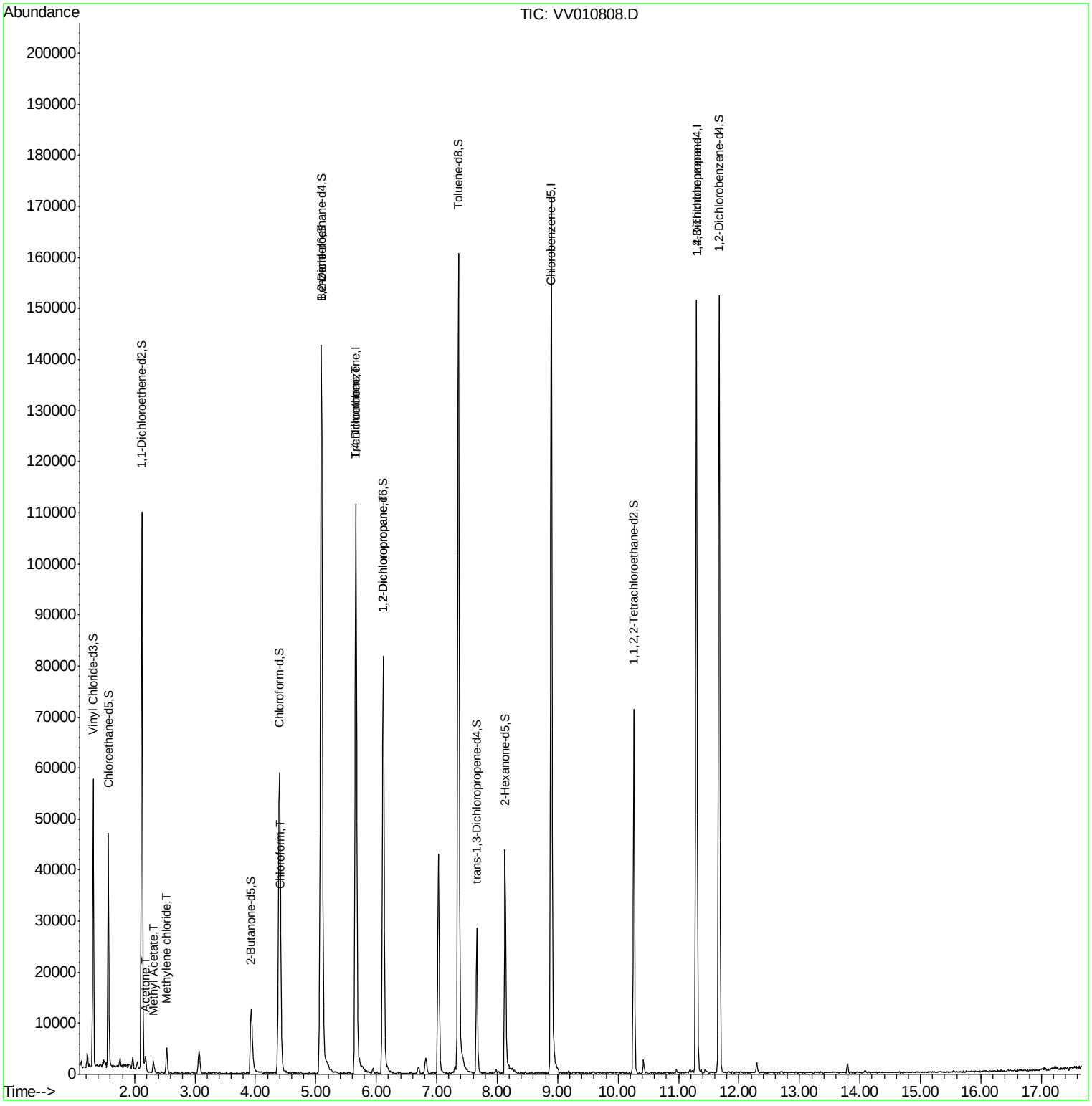
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050919\

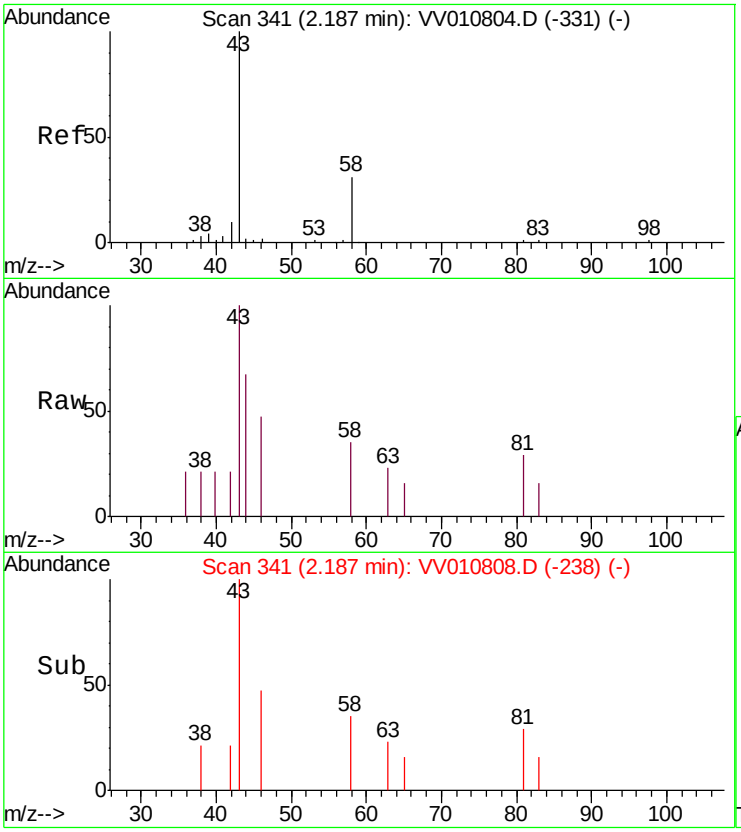
Quantitation Report (Not Reviewed)

Data File : VV010808.D
Acq On : 10 May 2019 11:54
Operator : SY/MD
Sample : K2603-23
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

Quant Time: May 10 23:02:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Fri May 10 22:59:03 2019
Response via : Initial Calibration



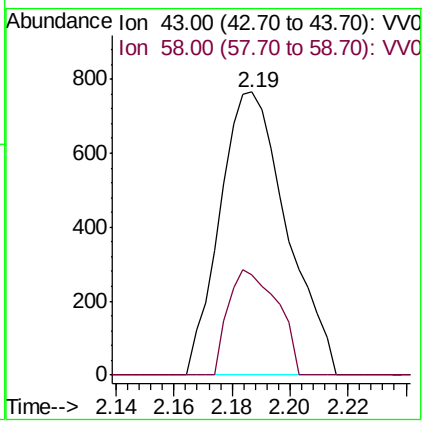


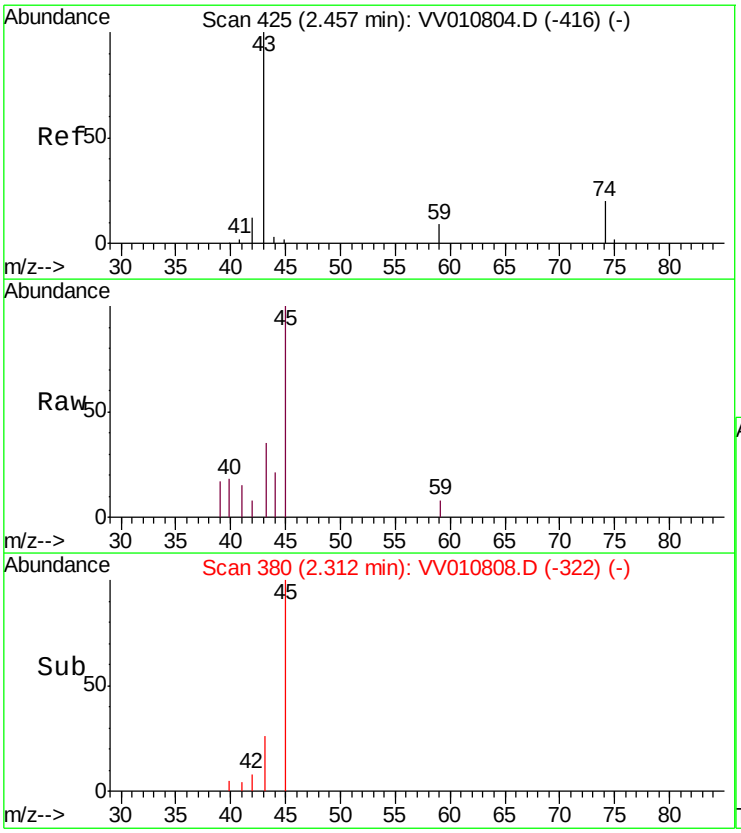

#13
Acetone
Concen: 1.820 ug/L
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VV010808.D
Acq: 10 May 2019 11:54

**Instrument :**
MSVOA_V
**ClientSampleId :**
VHBLK01

Tgt Ion: 43 Resp: 1222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.3 | 0.0 | 63.4 |

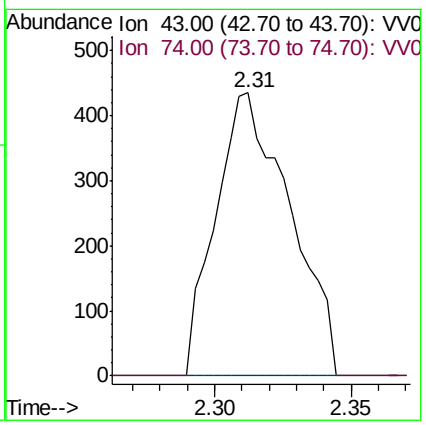


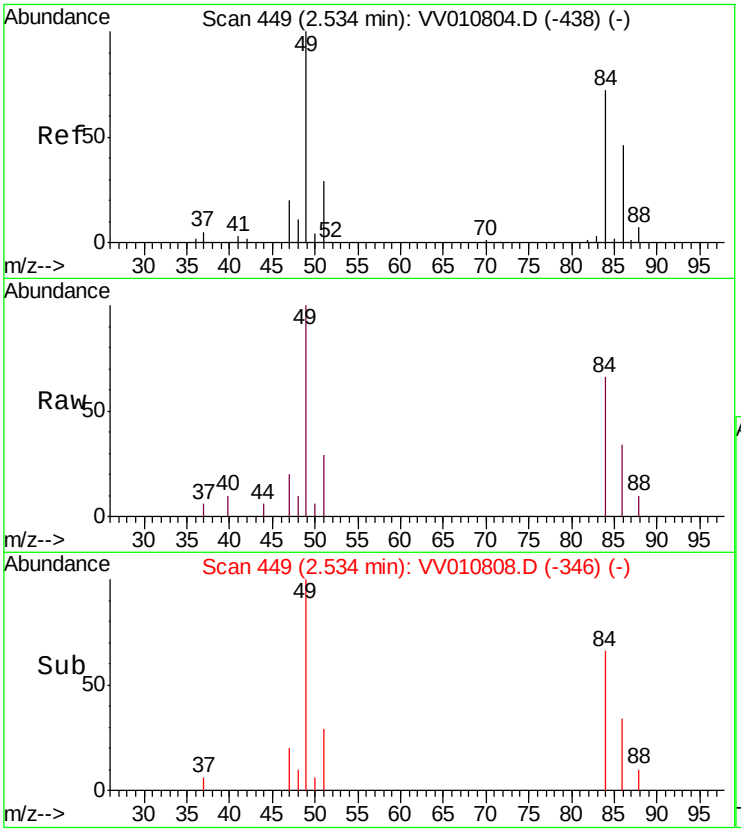




#15
Methyl Acetate
Concen: 1.026 ug/L
RT: 2.31 min Scan# 380
Delta R.T. -0.14 min
Lab File: VV010808.D
Acq: 10 May 2019 11:54

Tgt Ion: 43 Resp: 823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 17.0 | 25.4# |



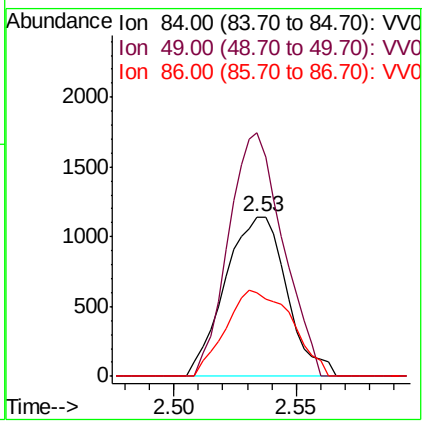


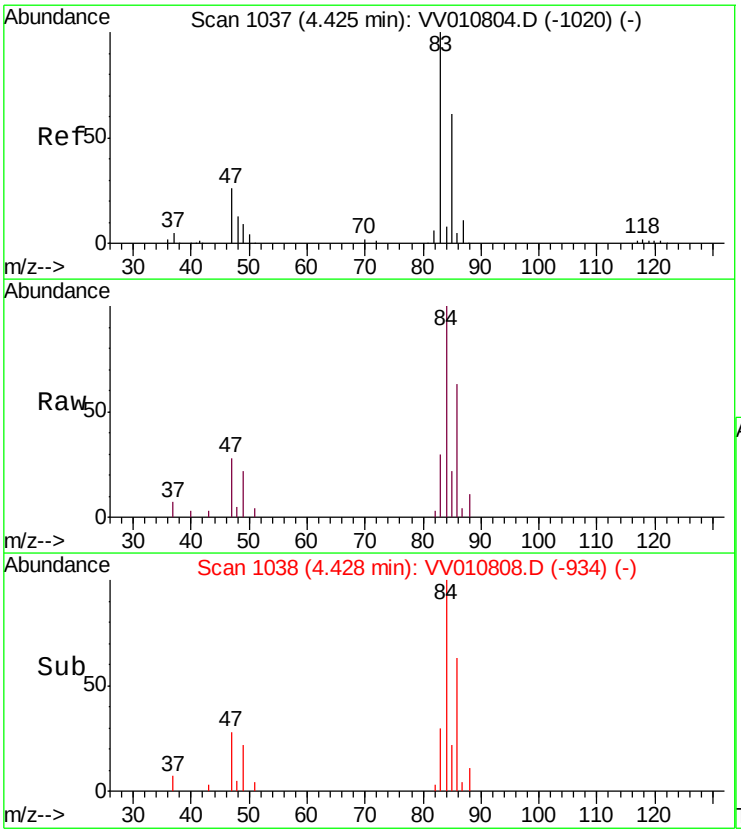

#16
Methylene chloride
Concen: 1.394 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010808.D
Acq: 10 May 2019 11:54

**Instrument :**
MSVOA_V
**ClientSampleId :**
VHBLK01

Tgt Ion: 84 Resp: 2005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 152.4 | 92.9 | 172.5 |
| 86 | 52.0 | 46.5 | 86.5 |

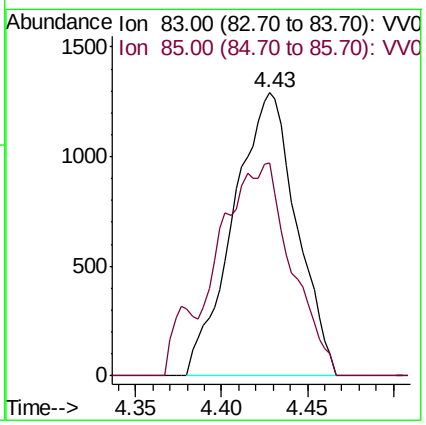


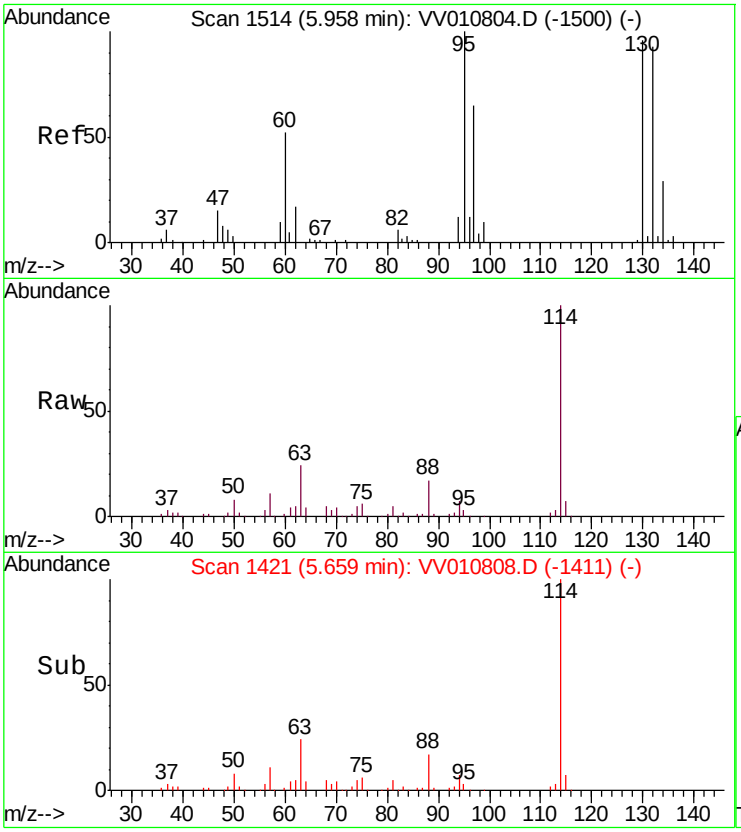




#25
Chloroform
Concen: 1.170 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010808.D
Acq: 10 May 2019 11:54

Tgt Ion: 83 Resp: 3293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 3.8 | 44.6 | 82.8# |



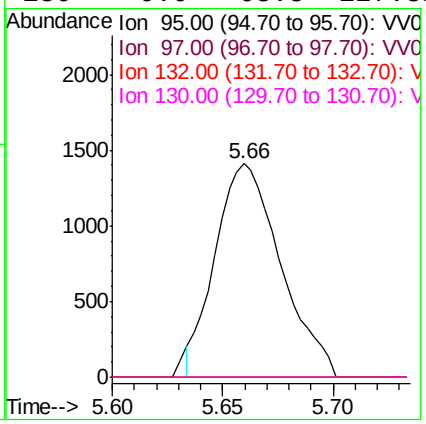


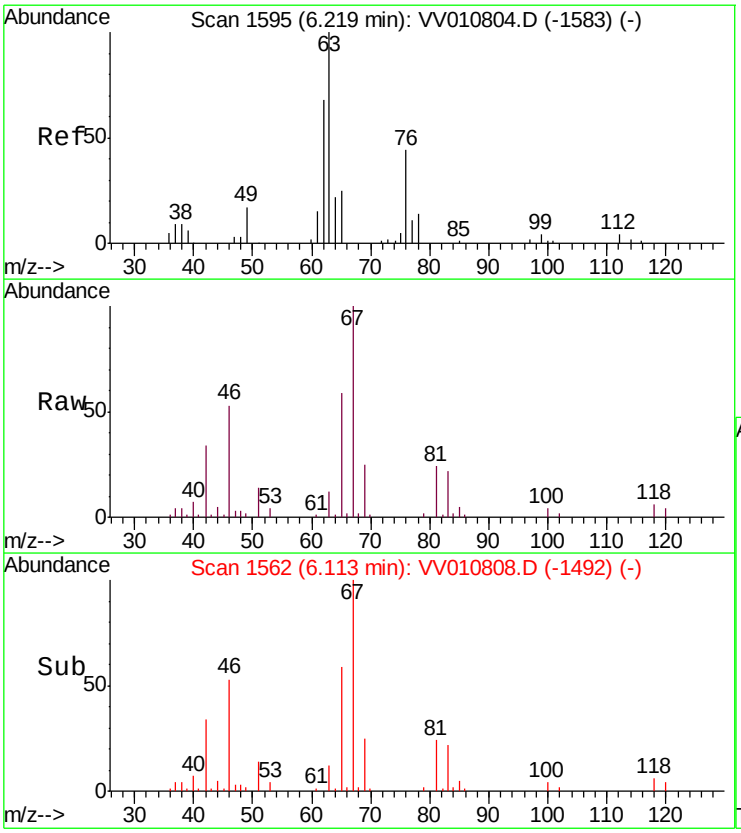

#35
Trichloroethene
Concen: 1.922 ug/L
RT: 5.66 min Scan# 1421
Delta R.T. -0.30 min
Lab File: VV010808.D
Acq: 10 May 2019 11:54

**Instrument :** MSVOA_V
**ClientSampleId :** VHBLK01

Tgt Ion: 95 Resp: 2900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 0.0 | 44.3 | 82.3# |
| 132 | 0.0 | 62.4 | 115.8# |
| 130 | 0.0 | 68.5 | 127.3# |

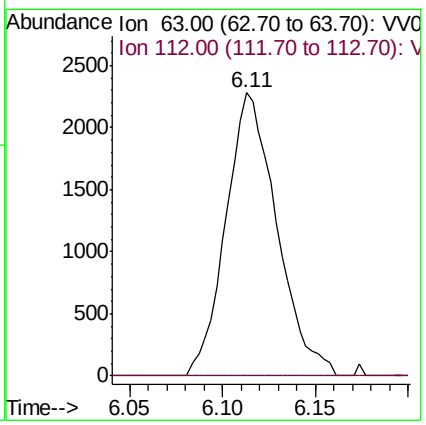


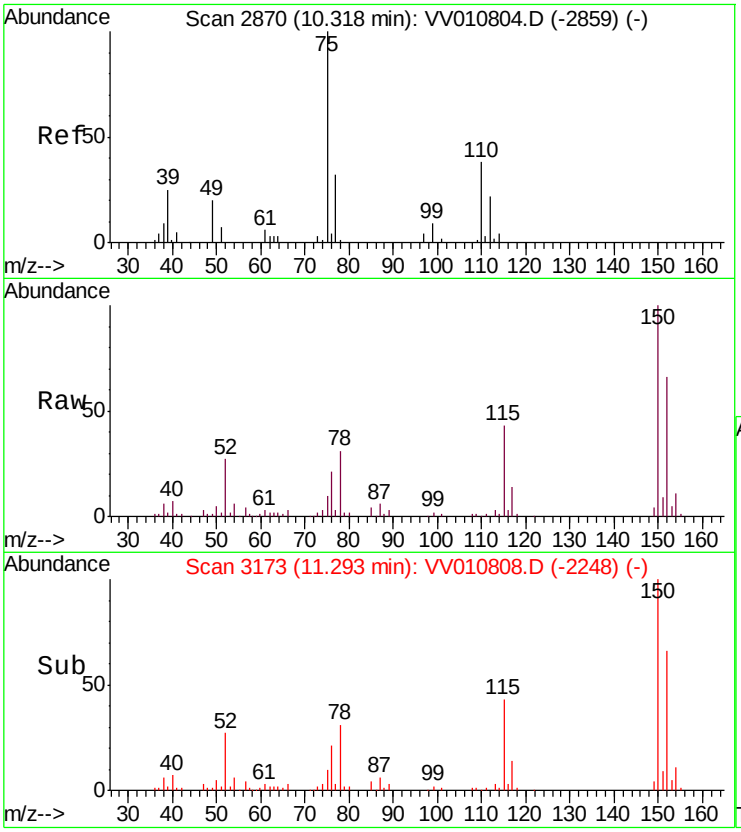




#40
1,2-Dichloropropane
Concen: 3.044 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV010808.D
Acq: 10 May 2019 11:54

Tgt Ion: 63 Resp: 4361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.4 | 5.2# |






#59
1,2,3-Trichloropropane
Concen: 4.681 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.97 min
Lab File: VV010808.D
Acq: 10 May 2019 11:54

**Instrument :**
MSVOA_V
**ClientSampleId :**
VHBLK01

Tgt Ion: 75 Resp: 5633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.2 | 25.0 | 37.6 |