Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\

Quantitation Report (Not Reviewed)

Data File : VV011048.D
Acq On : 24 May 2019 03:11
Operator : SY/MD
Sample : K3016-16
Misc : 4.84G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** A51D3

Quant Time: May 24 09:07:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 09:03:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 92458 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 90749 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 28542 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 18512 | 17.56 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 70.24% | | | |
| 7) Chloroethane-d5 | 1.56 | 69 | 15384 | 21.56 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 86.24% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.12 | 63 | 28012 | 13.82 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 55.28% | | | |
| 20) 2-Butanone-d5 | 3.93 | 46 | 35081 | 96.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 192.90%# | | | |
| 24) Chloroform-d | 4.40 | 84 | 64237 | 26.82 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 107.28% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 41327 | 29.28 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 117.12% | | | |
| 29) Benzene-d6 | 5.09 | 84 | 123785 | 24.99 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 99.96% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 45463 | 28.88 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 115.52% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 94338 | 20.48 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 81.92% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 15002 | 23.21 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 92.84% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 28087 | 95.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 191.32%# | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 53878 | 34.28 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 137.12%# | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 29687 | 25.62 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 102.48% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Chloroethane | 1.57 | 64 | 898 | 1.445 | ug/L # | 46 |
| 13) Acetone | 2.19 | 43 | 23168 | 66.055 | ug/L | 98 |
| 15) Methyl Acetate | 2.45 | 43 | 3735 | 5.542 | ug/L | 98 |
| 25) Chloroform | 4.42 | 83 | 3511 | 1.266 | ug/L # | 37 |
| 35) Trichloroethene | 5.66 | 95 | 2845 | 1.968 | ug/L # | 5 |
| 36) Methylcyclohexane | 6.11 | 83 | 10467 | 4.898 | ug/L # | 21 |
| 40) 1,2-Dichloropropane | 6.12 | 63 | 4854 | 3.531 | ug/L # | 86 |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 3716 | 3.279 | ug/L | 92 |

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

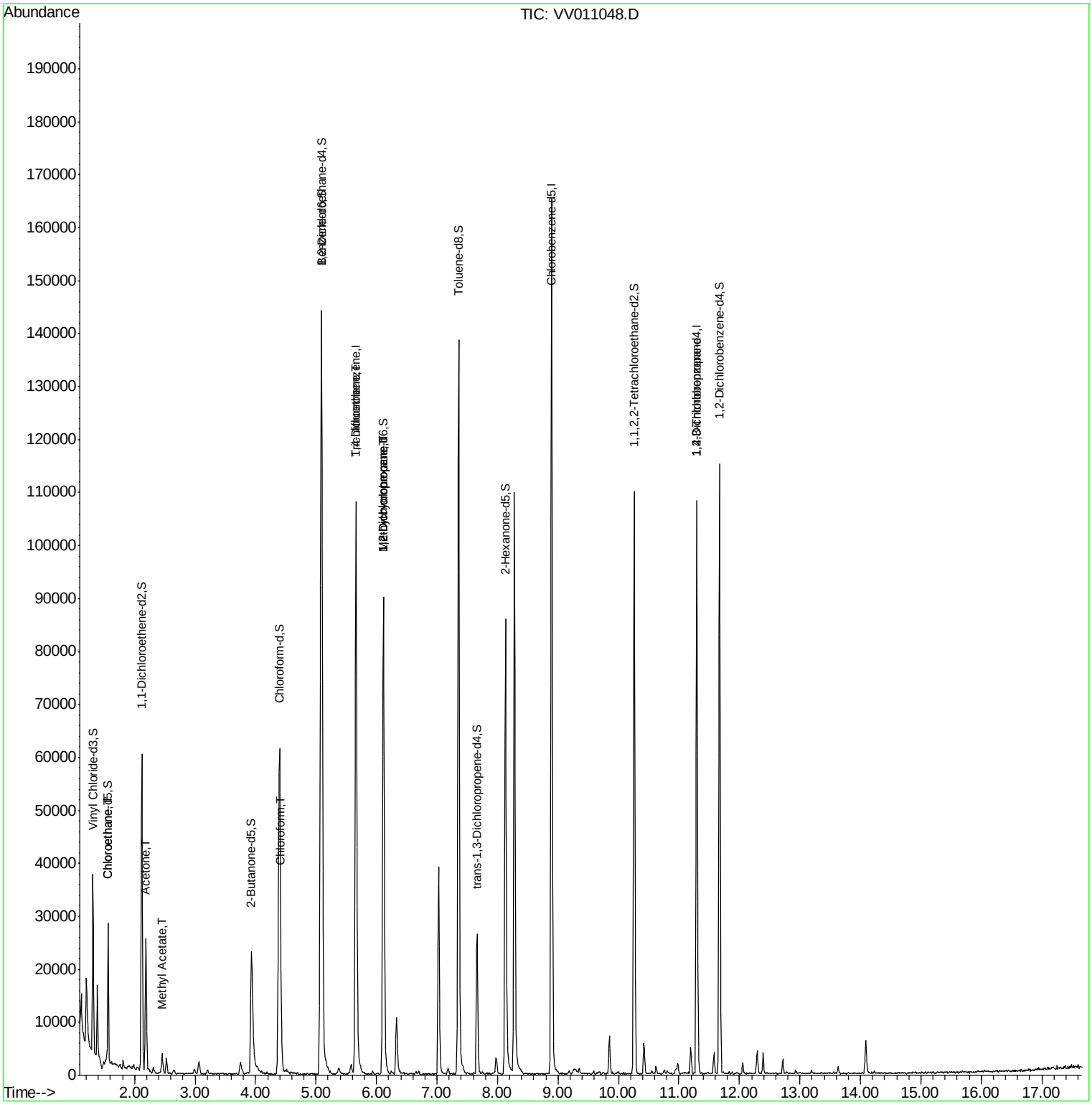
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\

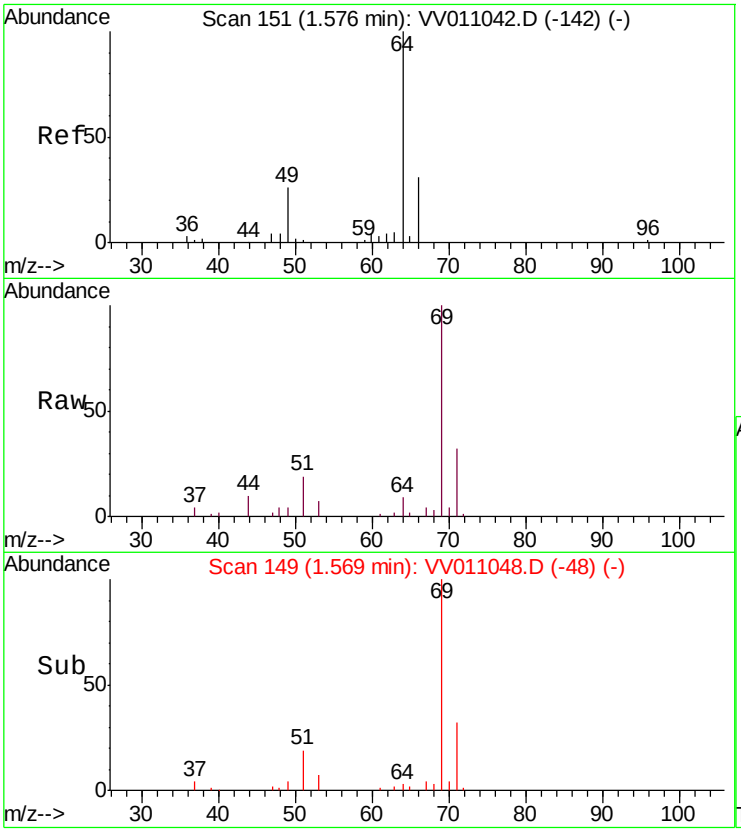
Quantitation Report (Not Reviewed)

Data File : VV011048.D
Acq On : 24 May 2019 03:11
Operator : SY/MD
Sample : K3016-16
Misc : 4.84G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** A51D3

Quant Time: May 24 09:07:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 09:03:49 2019
Response via : Initial Calibration



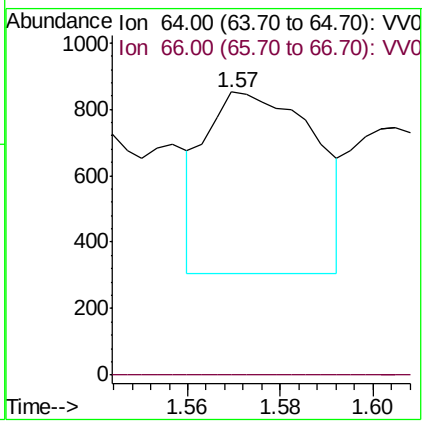


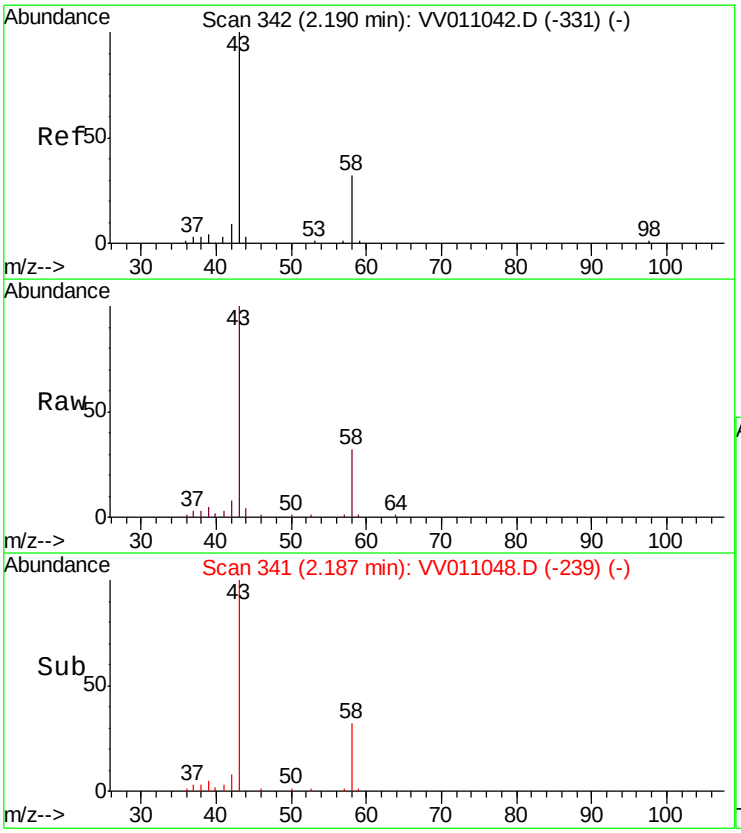

#8
Chloroethane
Concen: 1.445 ug/L
RT: 1.57 min Scan# 149
Delta R.T. -0.01 min
Lab File: VV011048.D
Acq: 24 May 2019 03:11

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51D3

Tgt Ion: 64 Resp: 898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 20.4 | 37.8# |

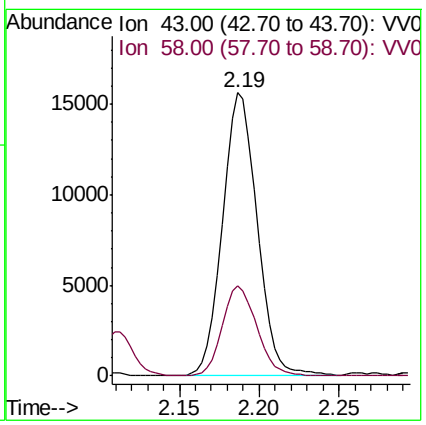


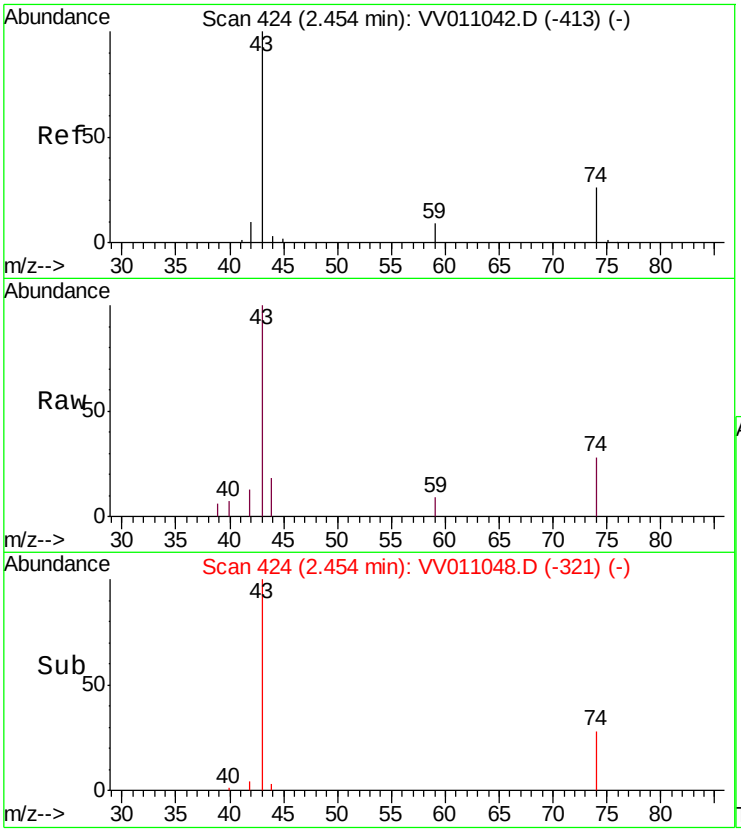




#13
Acetone
Concen: 66.055 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.00 min
Lab File: VV011048.D
Acq: 24 May 2019 03:11

Tgt Ion: 43 Resp: 23168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 0.0 | 60.8 |



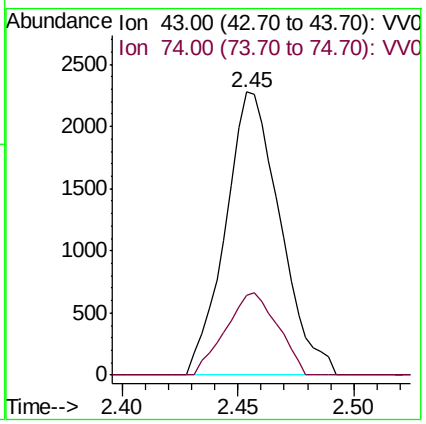


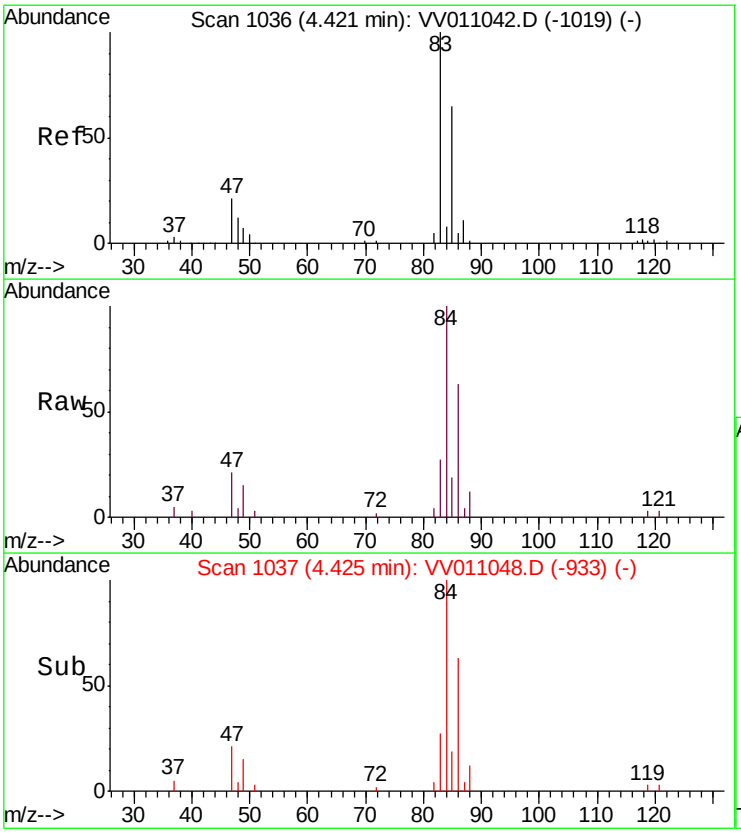

#15
Methyl Acetate
Concen: 5.542 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV011048.D
Acq: 24 May 2019 03:11

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51D3

Tgt Ion: 43 Resp: 3735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 27.7 | 21.1 | 31.7 |

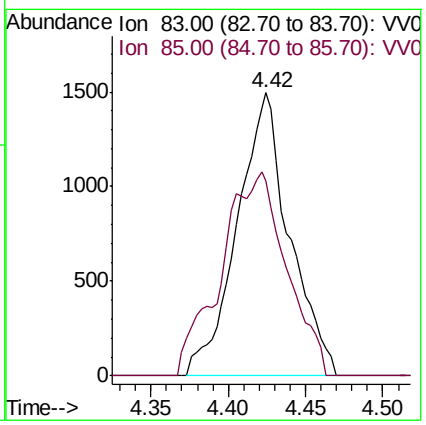


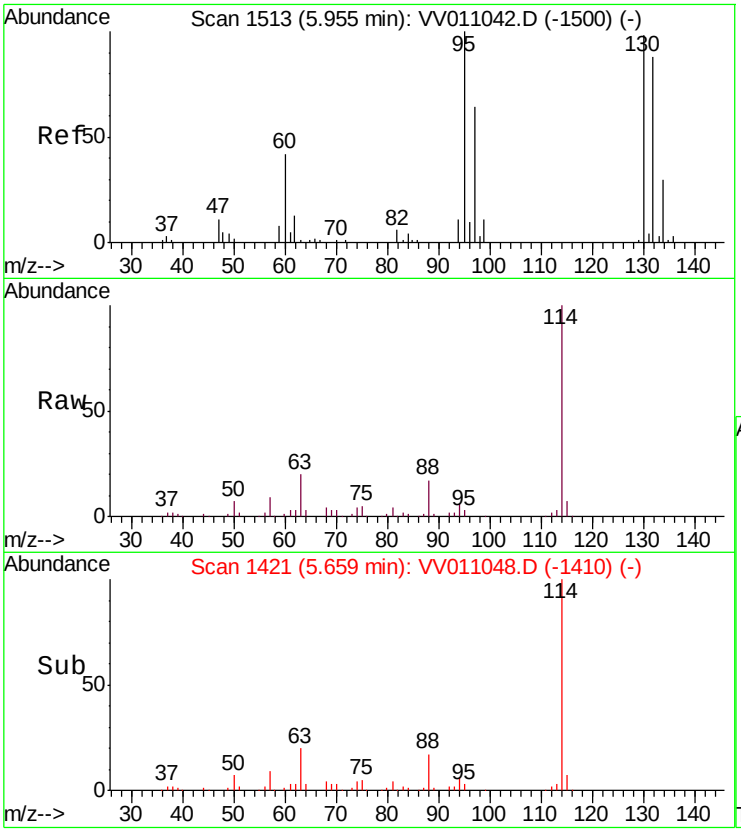




#25
Chloroform
Concen: 1.266 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011048.D
Acq: 24 May 2019 03:11

Tgt Ion: 83 Resp: 3511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 15.2 | 45.6 | 84.8# |



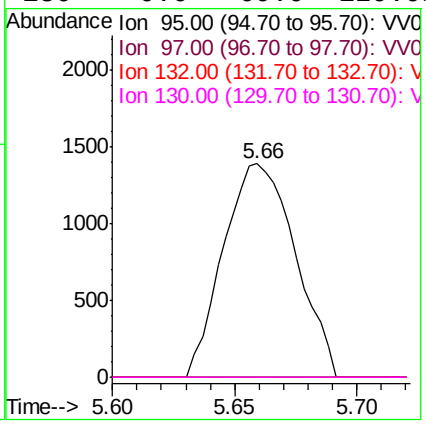


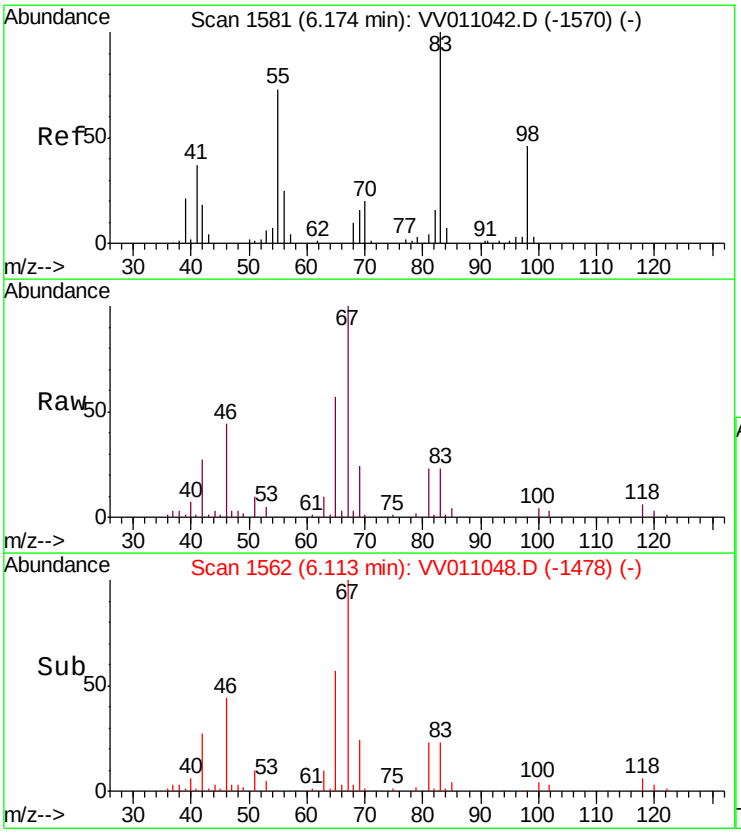

#35
Trichloroethene
Concen: 1.968 ug/L
RT: 5.66 min Scan# 1421
Delta R.T. -0.30 min
Lab File: VV011048.D
Acq: 24 May 2019 03:11

**Instrument :** MSVOA_V
**ClientSampleId :** A51D3

Tgt Ion: 95 Resp: 2845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 0.0 | 43.4 | 80.6# |
| 132 | 0.0 | 68.8 | 127.8# |
| 130 | 0.0 | 69.9 | 129.9# |

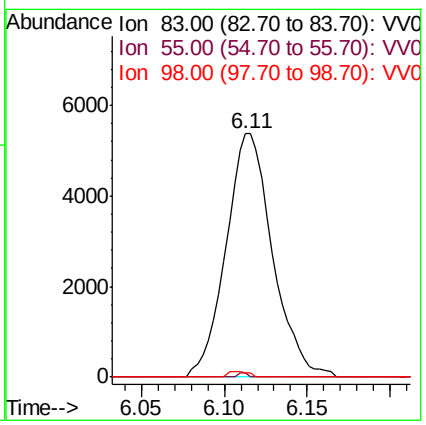


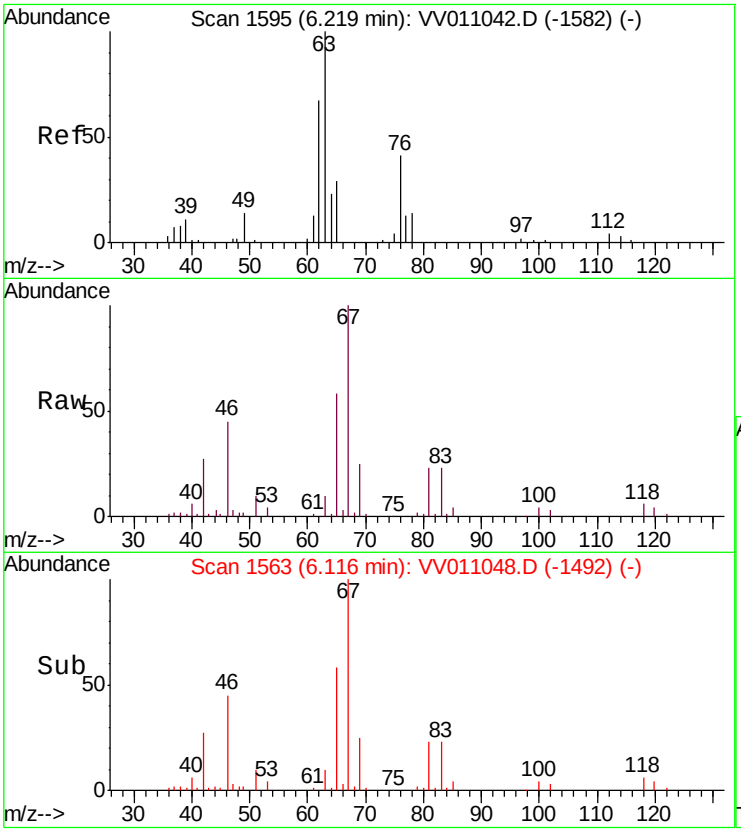




#36
Methylcyclohexane
Concen: 4.898 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV011048.D
Acq: 24 May 2019 03:11

Tgt Ion: 83 Resp: 10467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.4 | 57.0 | 85.4# |
| 98 | 0.8 | 36.2 | 54.4# |



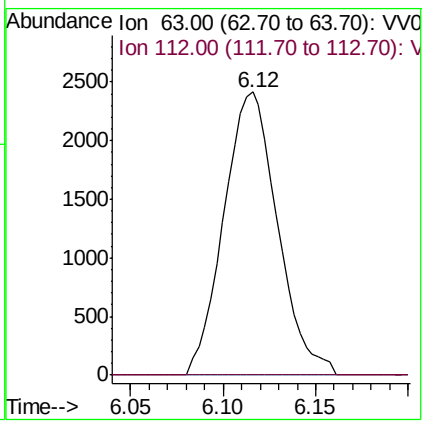


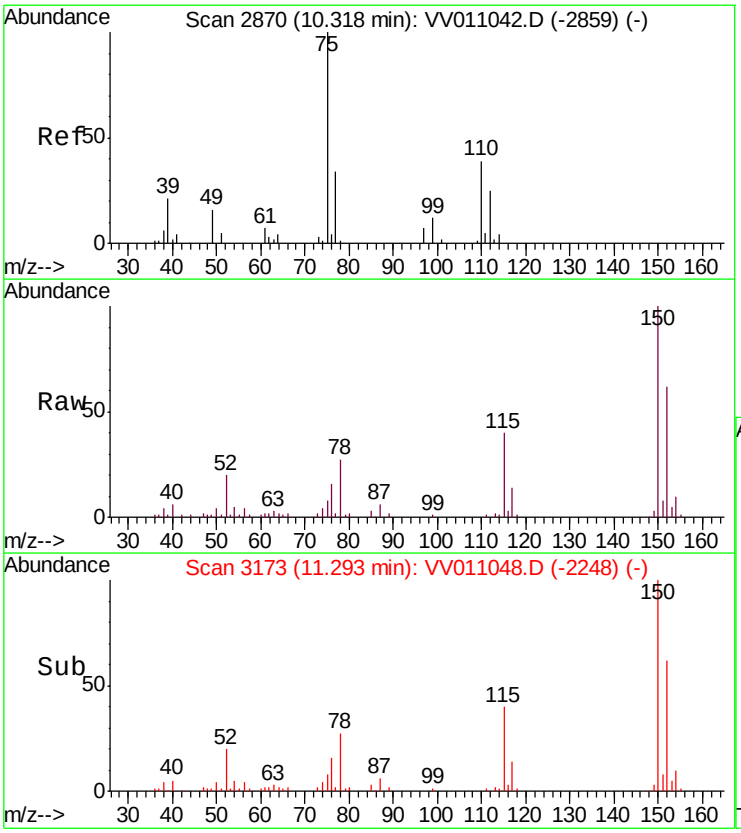

#40
1,2-Dichloropropane
Concen: 3.531 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011048.D
Acq: 24 May 2019 03:11

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51D3

Tgt Ion: 63 Resp: 4854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.6 | 5.4# |




#59
1,2,3-Trichloropropane
Concen: 3.279 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.97 min
Lab File: VV011048.D
Acq: 24 May 2019 03:11

Tgt Ion: 75 Resp: 3716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 27.6 | 25.4 | 38.2 |