Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\

Quantitation Report (Not Reviewed)

Data File : VV010970.D
Acq On : 20 May 2019 20:58
Operator : SY/MD
Sample : K2846-11
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFHB0

Quant Time: May 21 04:07:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 04:03:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 117888 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 113163 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 41042 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 17483 | 13.01 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 52.04% | | | |
| 7) Chloroethane-d5 | 1.56 | 69 | 13728 | 15.09 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 60.36% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.12 | 63 | 26280 | 10.17 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 40.68%# | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 22370 | 48.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 96.48% | | | |
| 24) Chloroform-d | 4.40 | 84 | 51024 | 16.71 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 66.84% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 34025 | 18.91 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 75.64% | | | |
| 29) Benzene-d6 | 5.10 | 84 | 107516 | 17.40 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 69.60% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 37632 | 19.17 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 76.68% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 86911 | 15.13 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 60.52% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 11537 | 14.31 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 57.24% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 16821 | 45.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 91.88% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 37549 | 19.16 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 76.64% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 31438 | 18.87 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 75.48% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.19 | 43 | 2116 | 4.732 | ug/L | 94 |
| 14) Carbon disulfide | 2.31 | 76 | 4828 | 1.386 | ug/L | 96 |
| 16) Methylene chloride | 2.53 | 84 | 5140 | 2.541 | ug/L | 84 |
| 25) Chloroform | 4.42 | 83 | 5649 | 1.598 | ug/L | 84 |
| 35) Trichloroethene | 5.66 | 95 | 3170 | 1.759 | ug/L # | 6 |
| 36) Methylcyclohexane | 6.12 | 83 | 8838 | 3.317 | ug/L # | 22 |
| 40) 1,2-Dichloropropane | 6.11 | 63 | 4012 | 2.340 | ug/L # | 86 |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 5314 | 3.761 | ug/L | 91 |

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

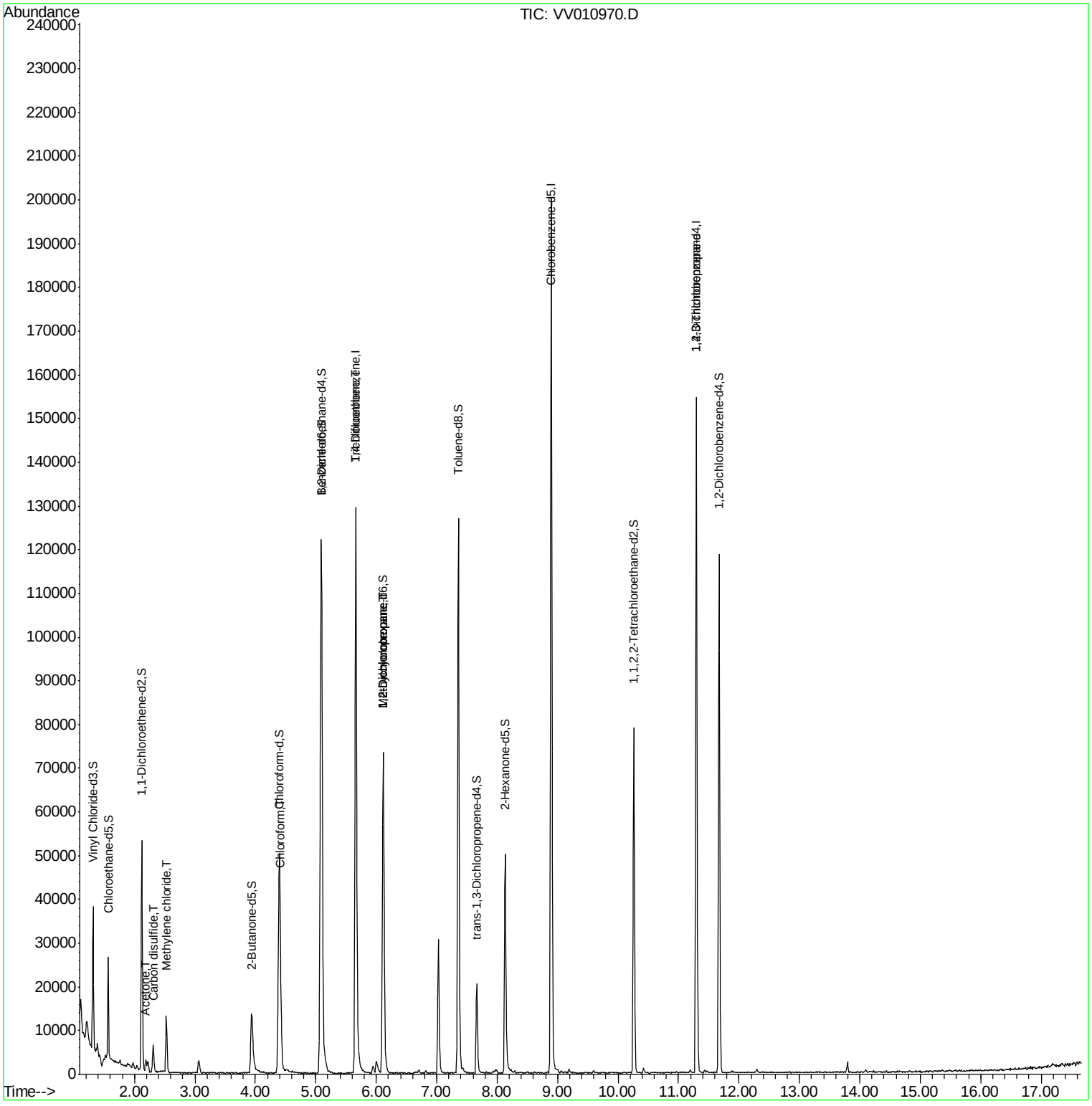
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052019\

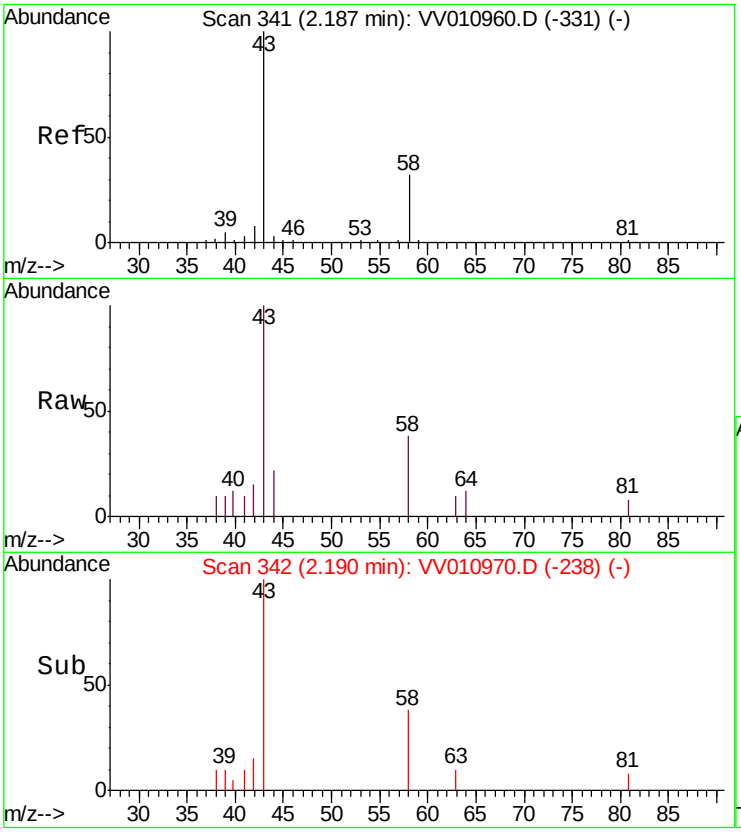
Quantitation Report (Not Reviewed)

Data File : VV010970.D
Acq On : 20 May 2019 20:58
Operator : SY/MD
Sample : K2846-11
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFHB0

Quant Time: May 21 04:07:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 04:03:21 2019
Response via : Initial Calibration



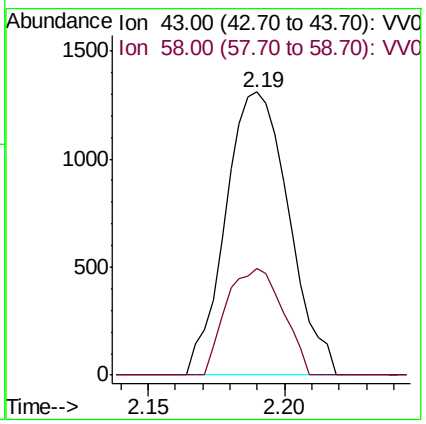


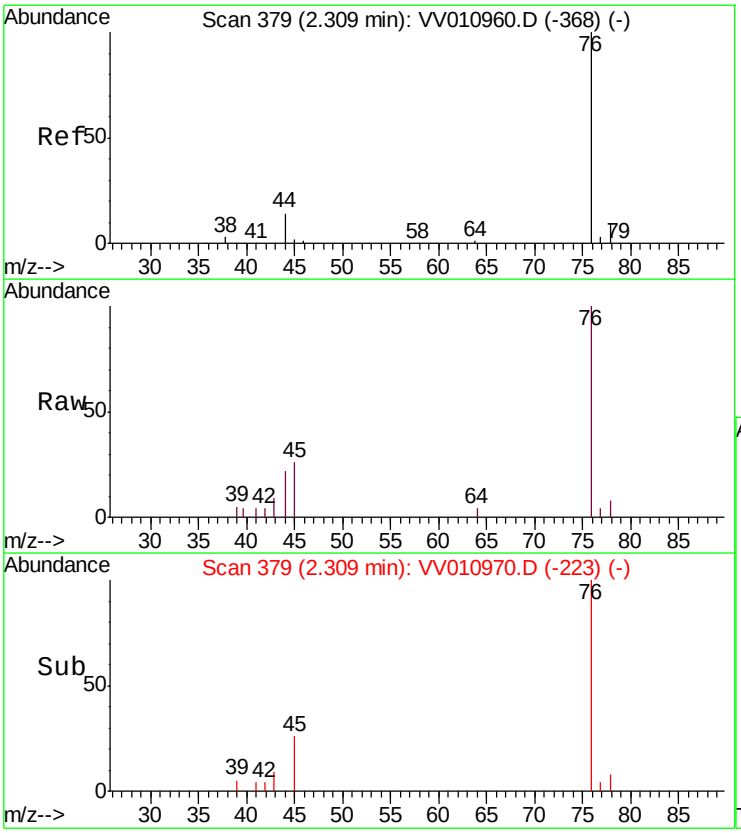

#13
Acetone
Concen: 4.732 ug/L
RT: 2.19 min Scan# 342
Delta R.T. 0.00 min
Lab File: VV010970.D
Acq: 20 May 2019 20:58

**Instrument :**
MSVOA_V
**ClientSampleId :**
BFHB0

Tgt Ion: 43 Resp: 2116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.6 | 0.0 | 60.8 |

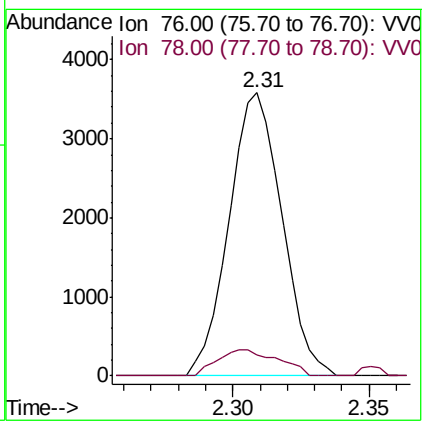


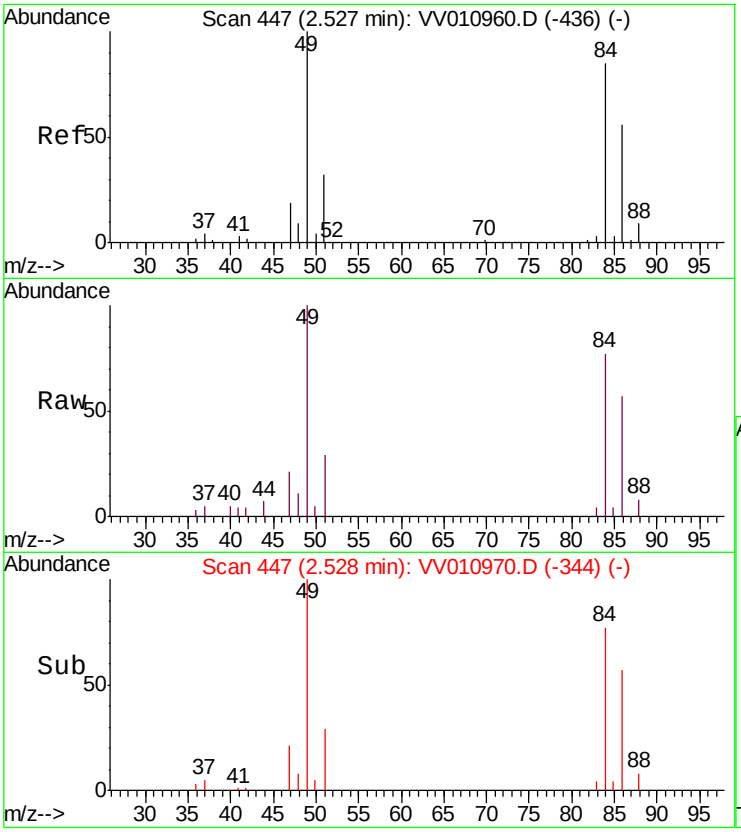




#14
Carbon disulfide
Concen: 1.386 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV010970.D
Acq: 20 May 2019 20:58

Tgt Ion: 76 Resp: 4828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.6 | 7.2 | 10.8 |



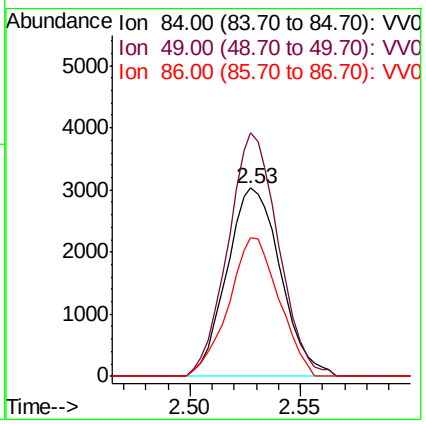


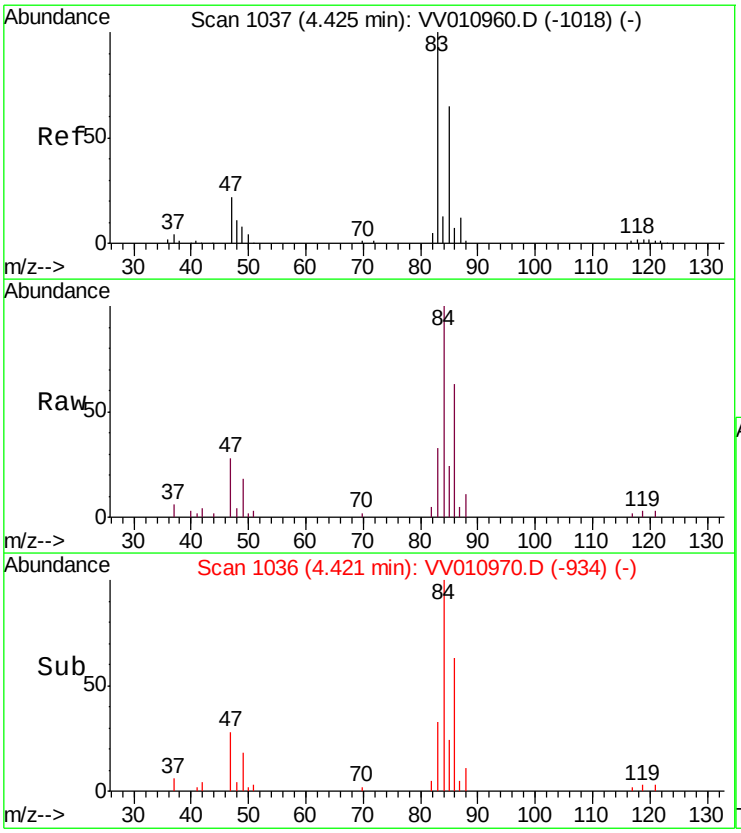

#16
Methylene chloride
Concen: 2.541 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV010970.D
Acq: 20 May 2019 20:58

**Instrument :**
MSVOA_V
**ClientSampleId :**
BFHB0

Tgt Ion: 84 Resp: 5140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.3 | 77.4 | 143.8 |
| 86 | 73.8 | 44.0 | 81.6 |

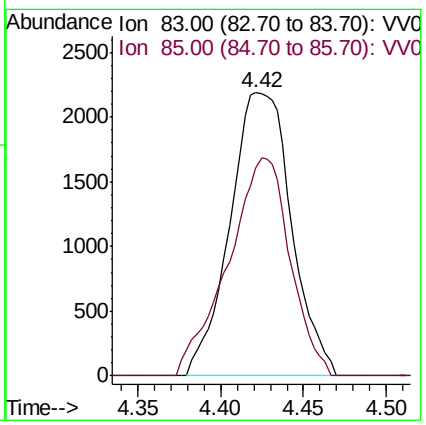


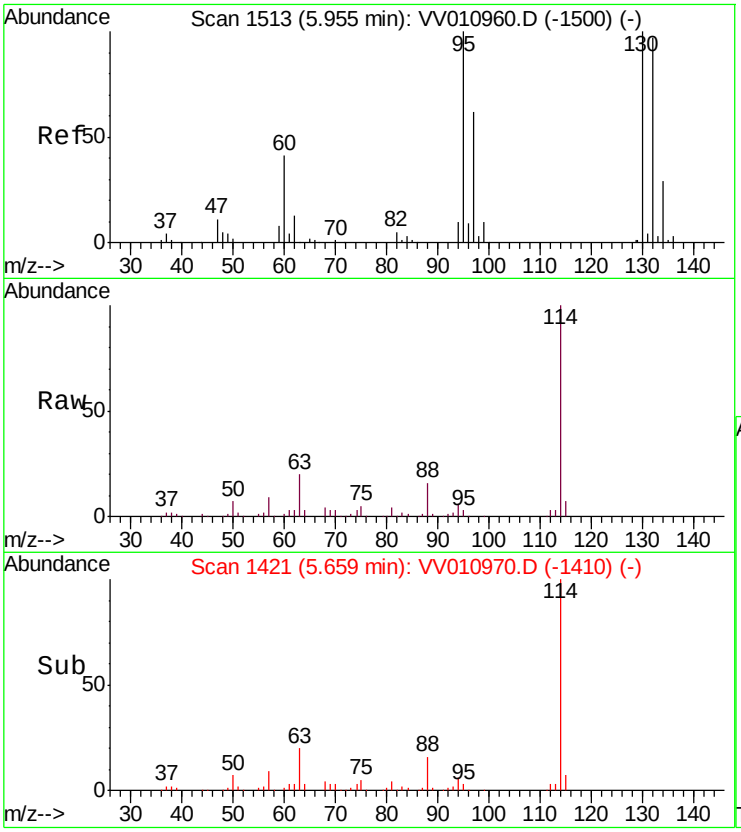




#25
Chloroform
Concen: 1.598 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV010970.D
Acq: 20 May 2019 20:58

Tgt Ion: 83 Resp: 5649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 77.6 | 45.6 | 84.8 |



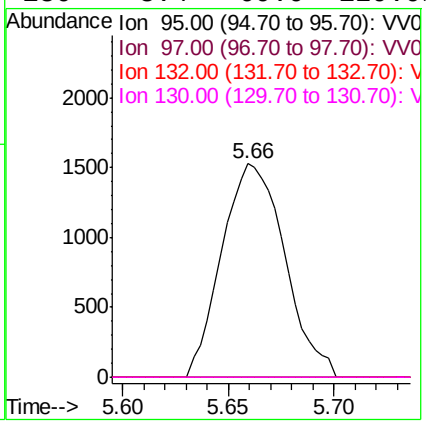


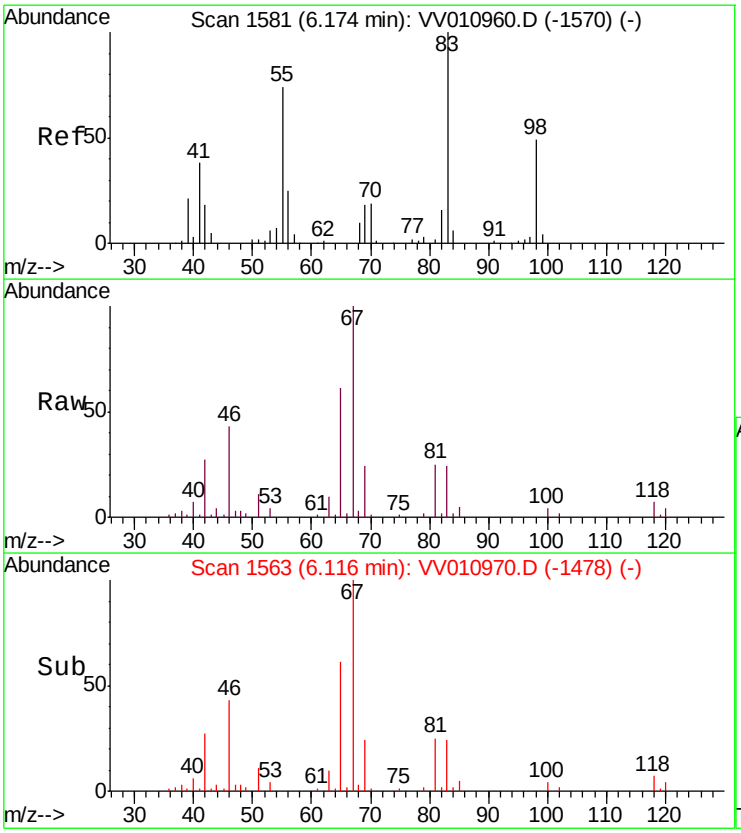

#35
Trichloroethene
Concen: 1.759 ug/L
RT: 5.66 min Scan# 1421
Delta R.T. -0.30 min
Lab File: VV010970.D
Acq: 20 May 2019 20:58

**Instrument :** MSVOA_V
**ClientSampleId :** BFHB0

Tgt Ion: 95 Resp: 3170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 0.0 | 43.4 | 80.6# |
| 132 | 0.0 | 68.8 | 127.8# |
| 130 | 3.4 | 69.9 | 129.9# |

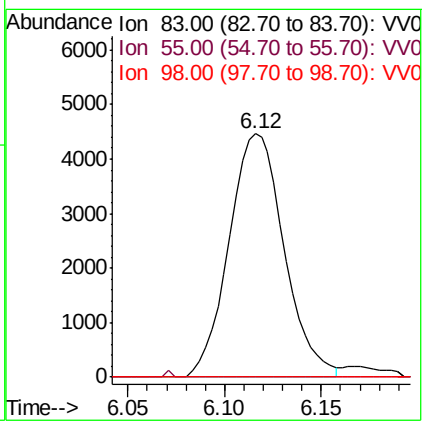


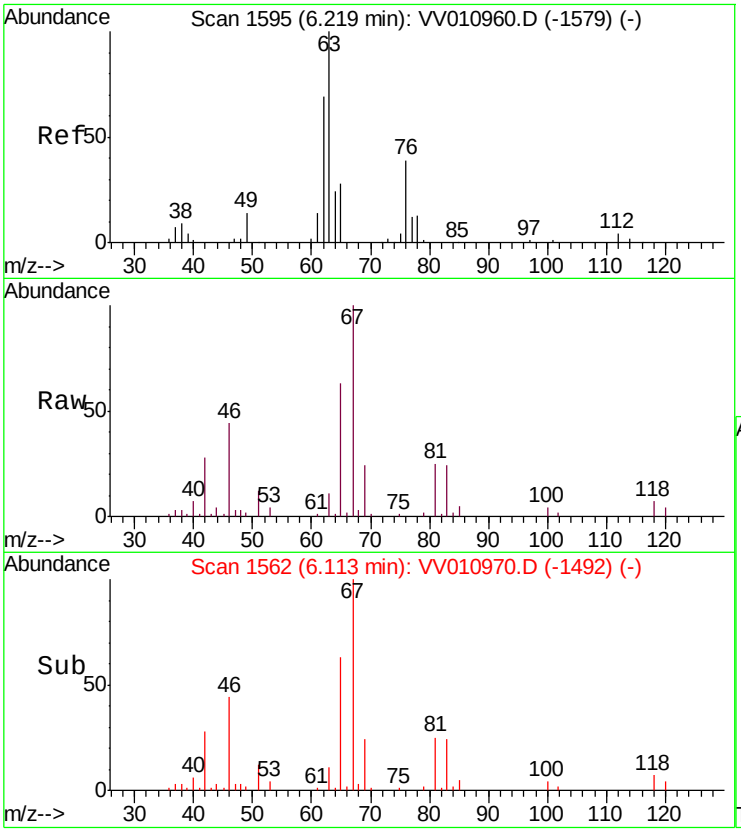




#36
Methylcyclohexane
Concen: 3.317 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV010970.D
Acq: 20 May 2019 20:58

Tgt Ion: 83 Resp: 8838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 1.8 | 57.0 | 85.4# |
| 98 | 0.0 | 36.2 | 54.4# |



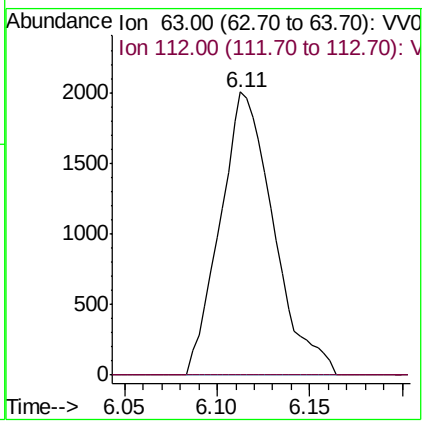


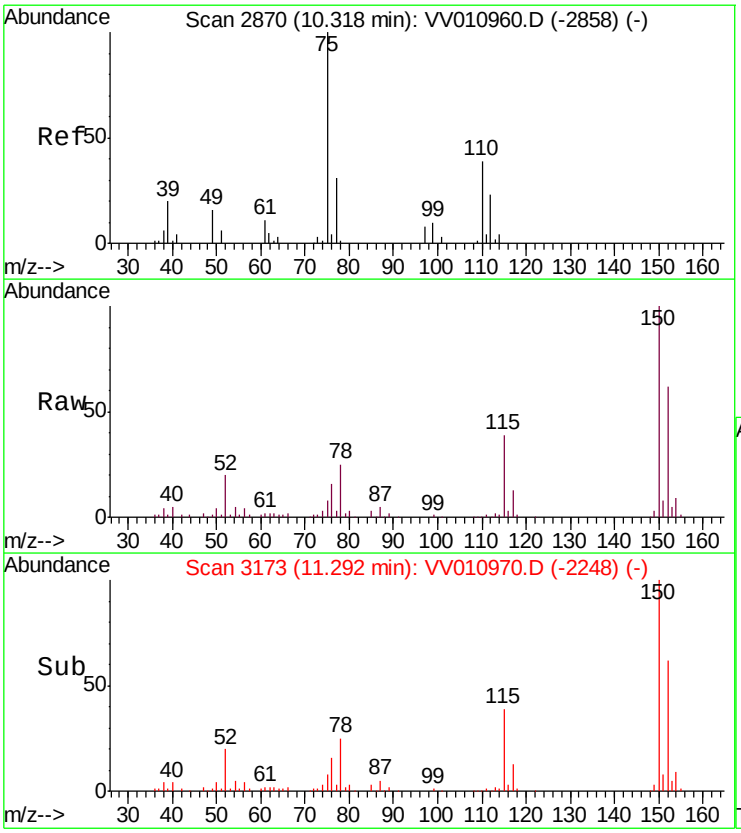

#40
1,2-Dichloropropane
Concen: 2.340 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV010970.D
Acq: 20 May 2019 20:58

**Instrument :**
MSVOA_V
**ClientSampleId :**
BFHB0

Tgt Ion: 63 Resp: 4012

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




#59
1,2,3-Trichloropropane
Concen: 3.761 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.97 min
Lab File: VV010970.D
Acq: 20 May 2019 20:58

Tgt Ion: 75 Resp: 5314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.0 | 25.4 | 38.2 |