Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\

Quantitation Report (Not Reviewed)

Data File : VV009066.D
Acq On : 19 Dec 2018 23:33
Operator : SY/MD
Sample : J6471-07
Misc : 5.13G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F9H16

Quant Time: Dec 20 03:49:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 03:44:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 195436 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 173872 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 72376 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 45667 | 22.58 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 90.32% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 50684 | 33.92 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 135.68% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 87332 | 17.27 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 69.08% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 28652 | 38.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 77.82% | | | |
| 24) Chloroform-d | 4.40 | 84 | 119730 | 25.48 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 101.92% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 72581 | 28.31 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 113.24% | | | |
| 29) Benzene-d6 | 5.10 | 84 | 243023 | 25.03 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 100.12% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 73849 | 27.16 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 108.64% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 214051 | 23.82 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 95.28% | | | |
| 38) trans-1,3-Dichloropropene- | 7.67 | 79 | 30824 | 25.81 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 103.24% | | | |
| 39) 2-Hexanone-d5 | 8.14 | 63 | 18082 | 36.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 72.62% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 50580 | 22.18 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 88.72% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 69604 | 25.63 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 102.52% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 13) Acetone | 2.20 | 43 | 2211 | 2.038 | ug/L | 87 |
| 16) Methylene chloride | 2.54 | 84 | 7413 | 2.252 | ug/L | 95 |
| 25) Chloroform | 4.42 | 83 | 3775 | 0.797 | ug/L | 91 |
| 36) Methylcyclohexane | 6.12 | 83 | 18617 | 3.717 | ug/L # | 20 |
| 40) 1,2-Dichloropropane | 6.12 | 63 | 8133 | 3.253 | ug/L # | 85 |
| 42) cis-1,3-Dichloropropene | 7.03 | 75 | 1973 | 0.539 | ug/L # | 81 |
| 49) 2-Hexanone | 8.19 | 43 | 4208 | 3.010 | ug/L # | 77 |
| 59) 1,2,3-Trichloropropane | 11.30 | 75 | 7486 | 3.842 | ug/L # | 84 |

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

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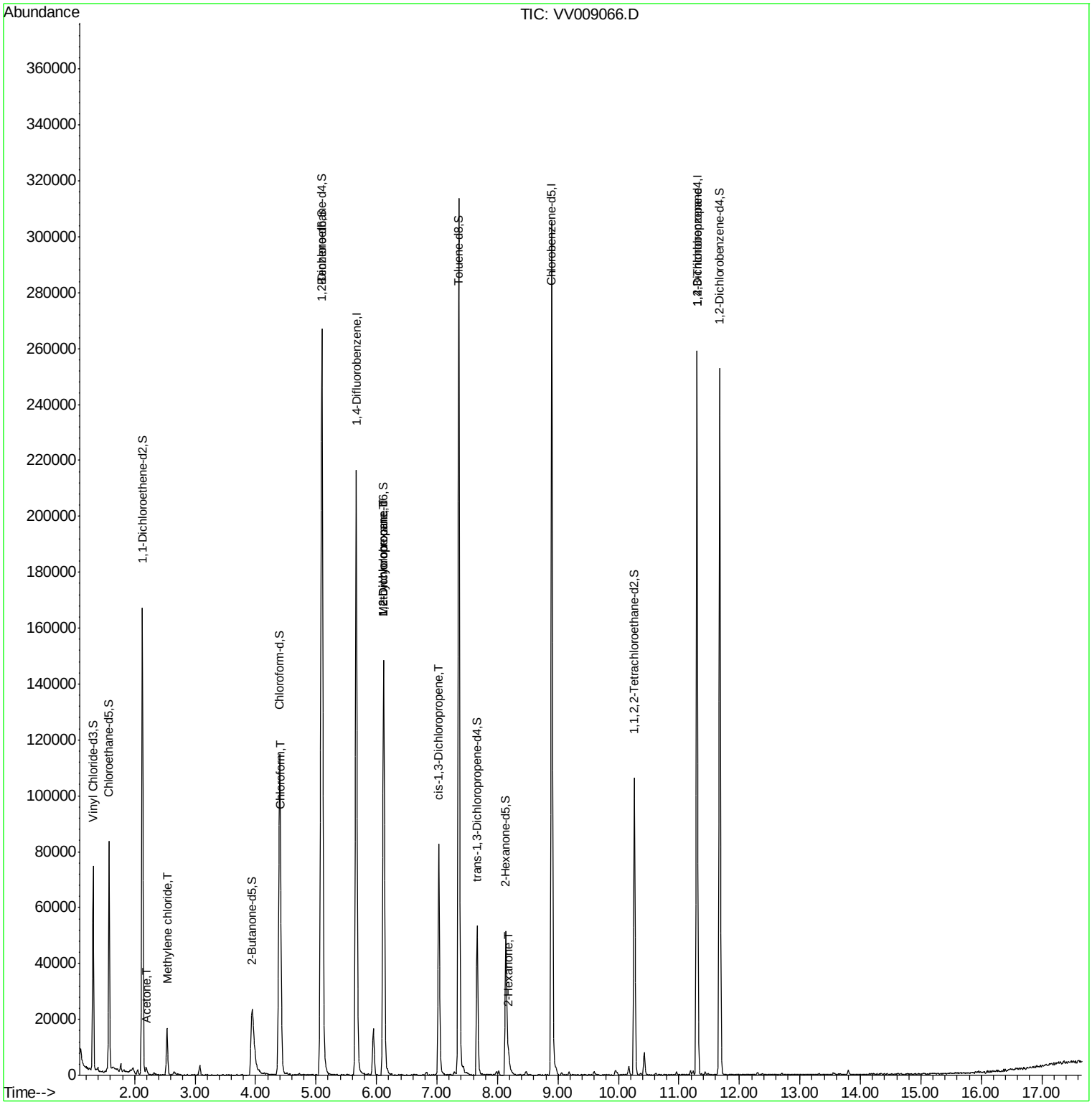
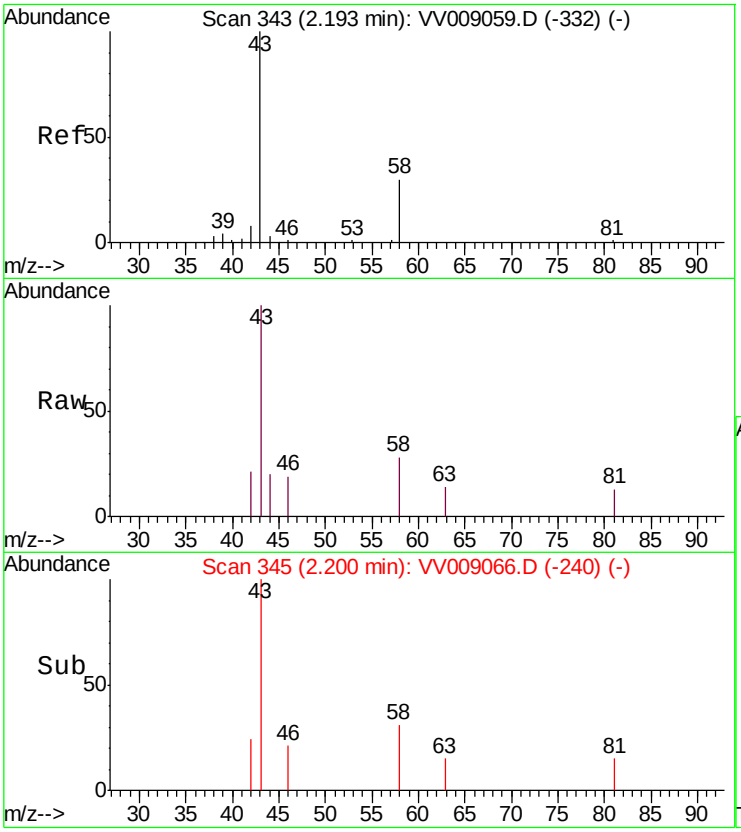
**ClientSampleId :** F9H16

Quant Time: Dec 20 03:49:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 03:44:50 2018
Response via : Initial Calibration



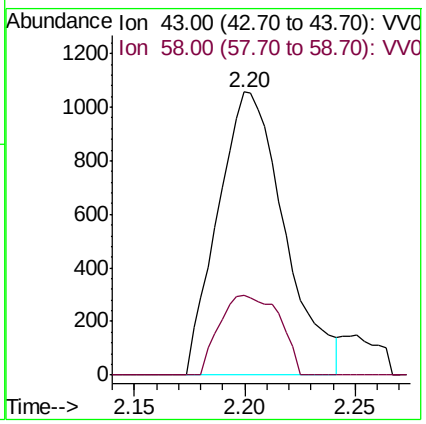


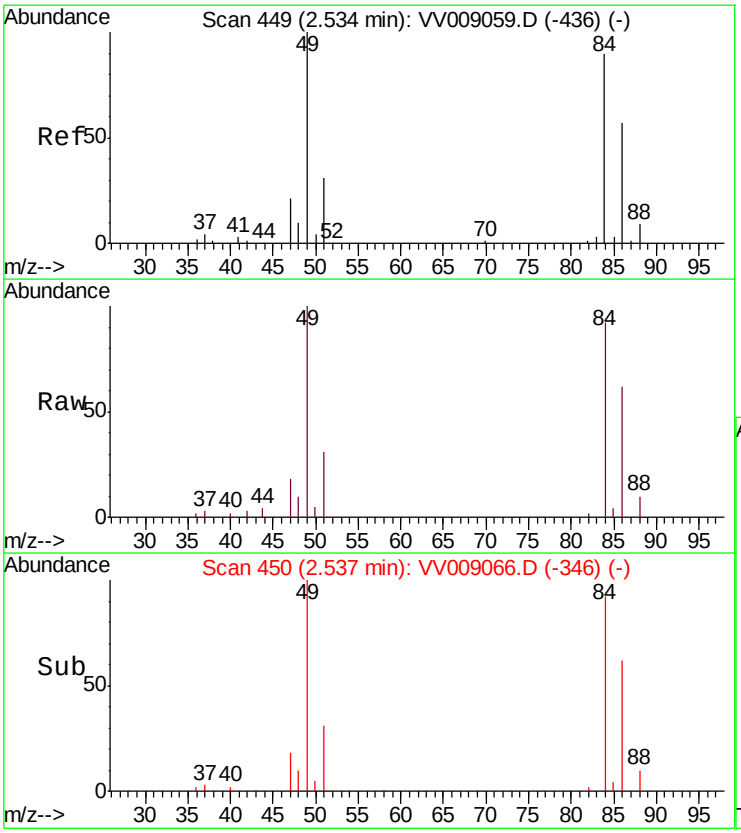

#13
Acetone
Concen: 2.038 ug/L
RT: 2.20 min Scan# 345
Delta R.T. 0.01 min
Lab File: VV009066.D
Acq: 19 Dec 2018 23:33

**Instrument :** MSVOA_V
**ClientSampleId :** F9H16

Tgt Ion: 43 Resp: 2211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.4 | 0.0 | 65.4 |

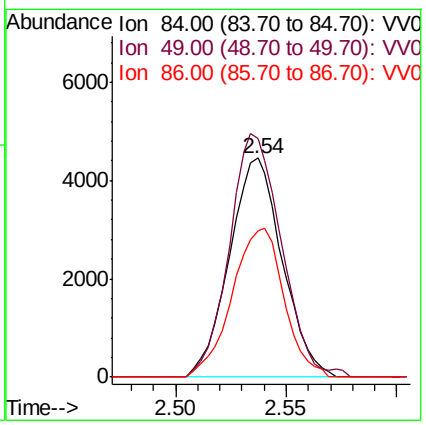


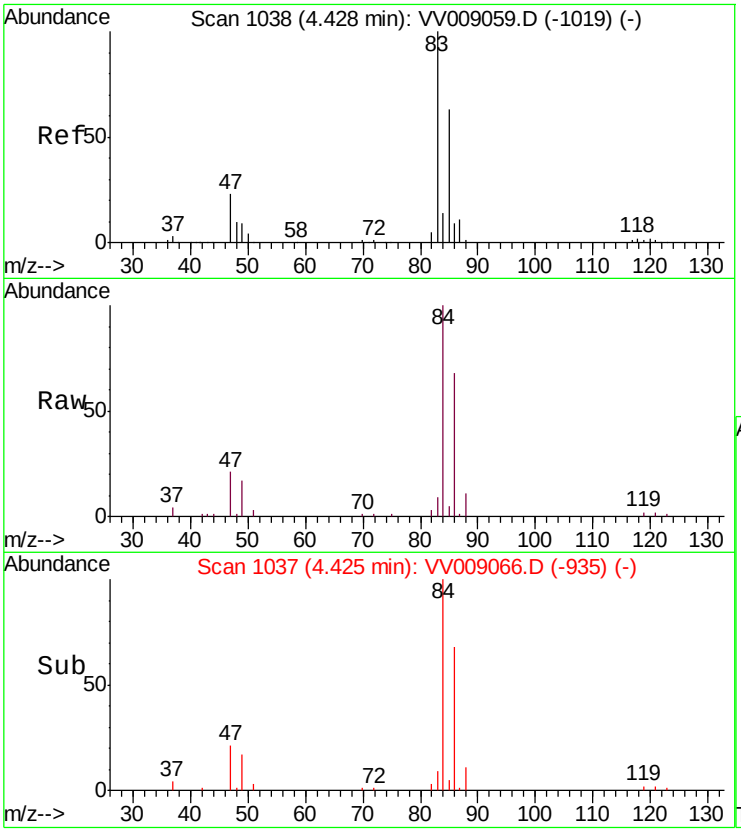




#16
Methylene chloride
Concen: 2.252 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009066.D
Acq: 19 Dec 2018 23:33

Tgt Ion: 84 Resp: 7413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 108.8 | 80.5 | 149.5 |
| 86 | 67.0 | 45.5 | 84.5 |



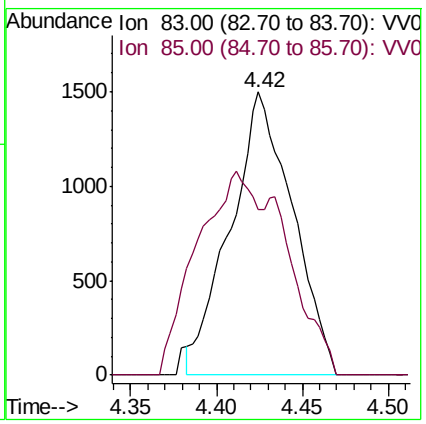


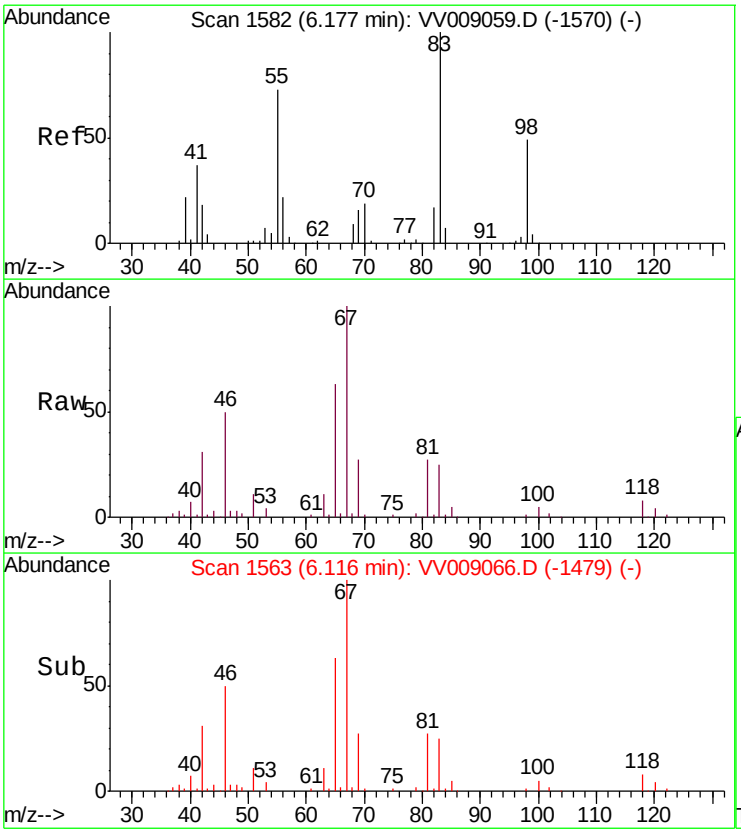

#25
Chloroform
Concen: 0.797 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009066.D
Acq: 19 Dec 2018 23:33

**Instrument :**
MSVOA_V
**ClientSampleId :**
F9H16

Tgt Ion: 83 Resp: 3775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 72.3 | 45.6 | 84.8 |

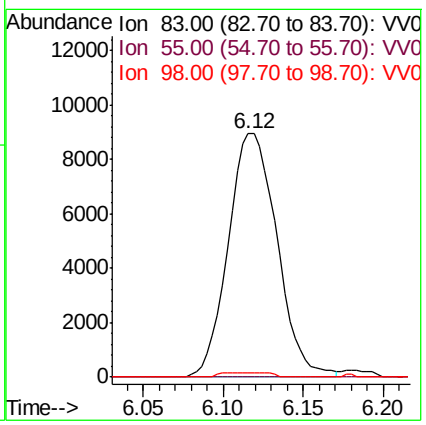


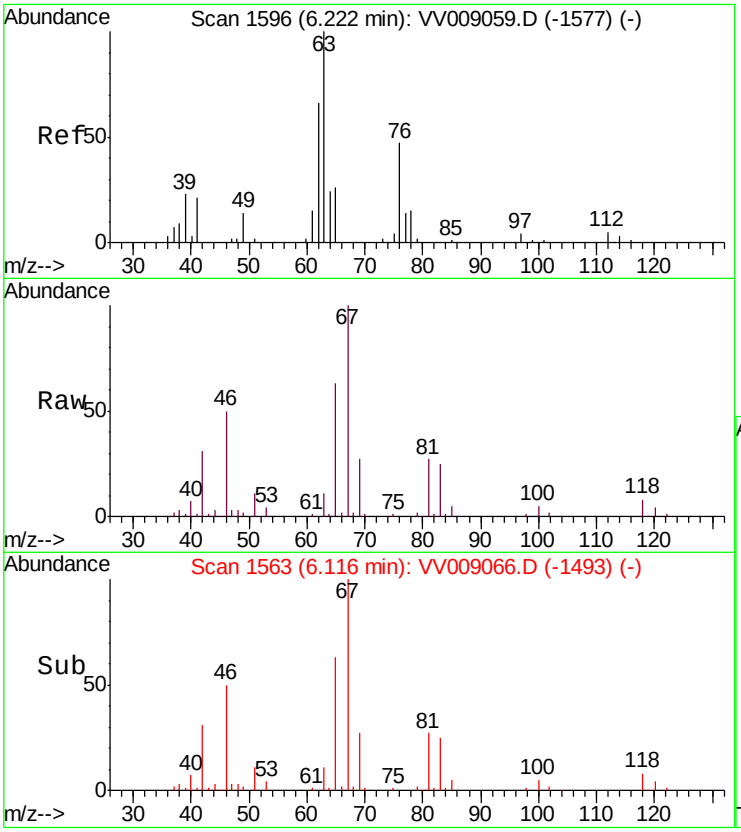




#36
Methylcyclohexane
Concen: 3.717 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009066.D
Acq: 19 Dec 2018 23:33

Tgt Ion: 83 Resp: 18617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 58.2 | 87.2# |
| 98 | 0.6 | 37.8 | 56.8# |



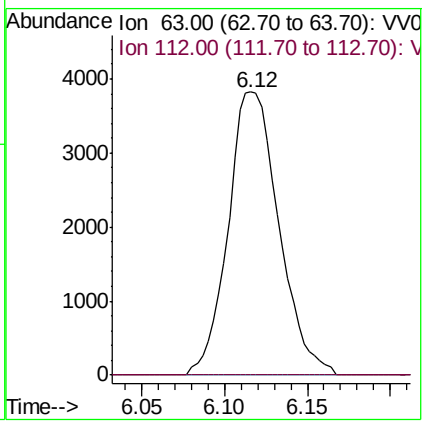


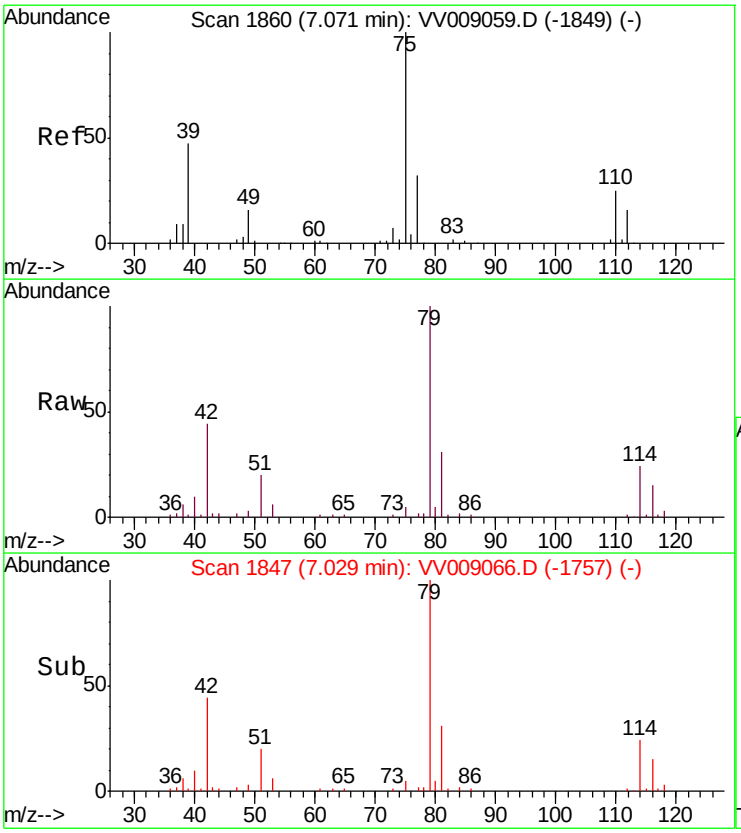

#40
1,2-Dichloropropane
Concen: 3.253 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV009066.D
Acq: 19 Dec 2018 23:33

**Instrument :** MSVOA_V
**ClientSampleId :** F9H16

Tgt Ion: 63 Resp: 8133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.8 | 5.8# |

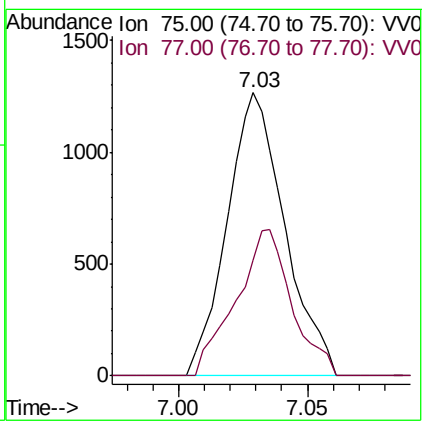


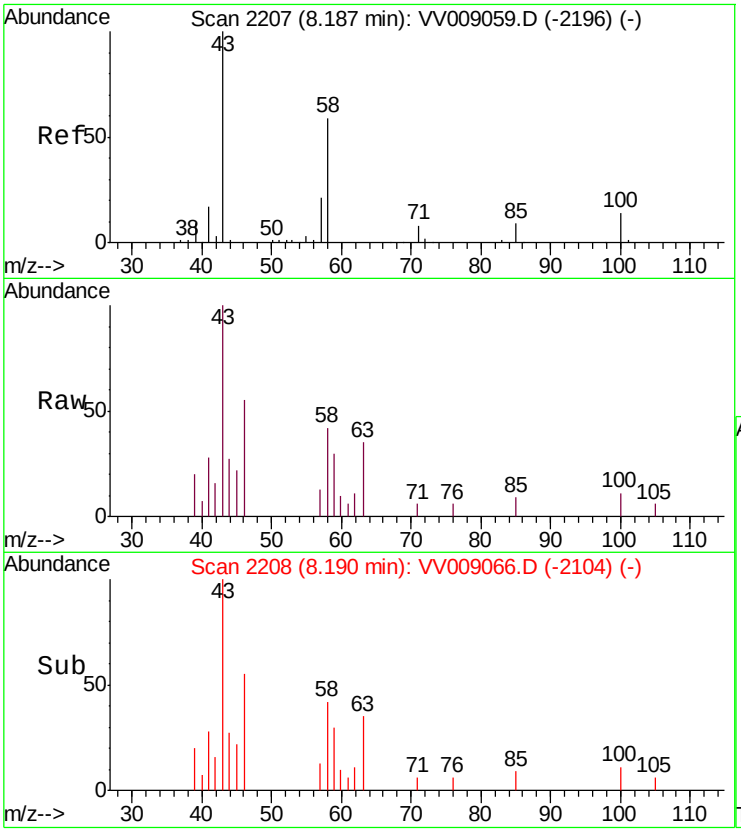




#42
cis-1,3-Dichloropropene
Concen: 0.539 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009066.D
Acq: 19 Dec 2018 23:33

Tgt Ion: 75 Resp: 1973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.8 | 21.3 | 39.6# |



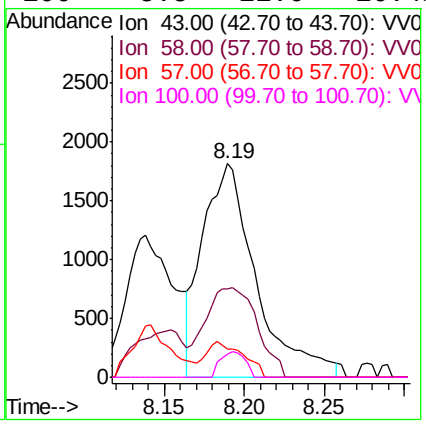


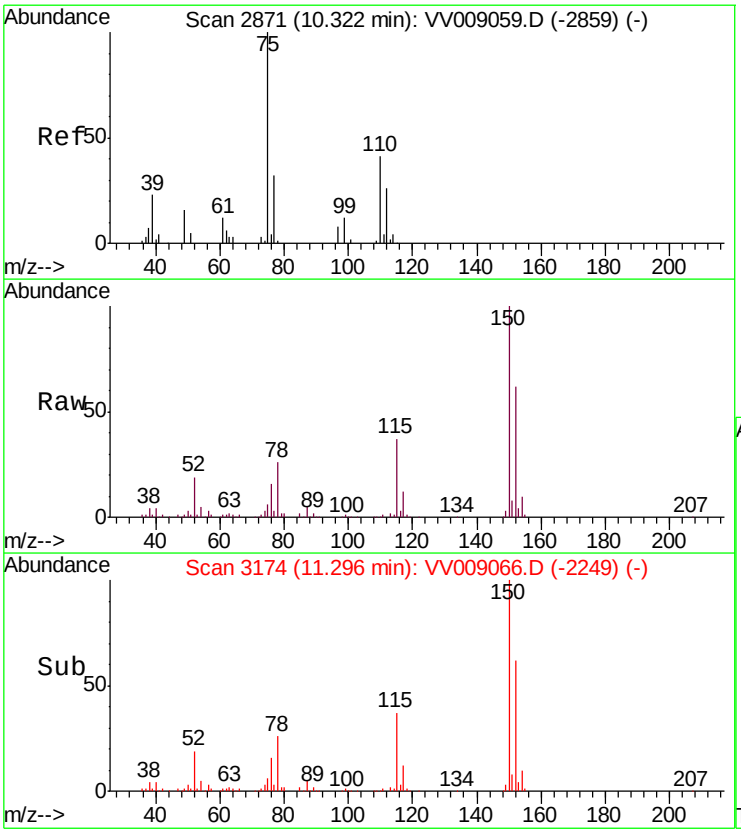

#49
2-Hexanone
Concen: 3.010 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV009066.D
Acq: 19 Dec 2018 23:33

**Instrument :** MSVOA_V
**ClientSampleId :** F9H16

Tgt Ion: 43 Resp: 4208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.1 | 43.9 | 65.9# |
| 57 | 3.3 | 15.7 | 23.5# |
| 100 | 5.5 | 11.0 | 16.4# |




#59
1,2,3-Trichloropropane
Concen: 3.842 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.97 min
Lab File: VV009066.D
Acq: 19 Dec 2018 23:33

Tgt Ion: 75 Resp: 7486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.8 | 25.6 | 38.4# |