Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040219\

Quantitation Report (Not Reviewed)

Data File : VV010075.D
Acq On : 02 Apr 2019 23:16
Operator : SY/MD
Sample : K2148-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BF5F9

Quant Time: Apr 03 06:51:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 06:44:57 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 257340 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 262043 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 124456 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 60945 | 17.69 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 70.76% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 104524 | 24.43 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 97.72% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 128899 | 14.83 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 59.32% | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 33882 | 34.56 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 69.12% | | | |
| 24) Chloroform-d | 4.40 | 84 | 149973 | 23.13 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 92.52% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 86558 | 23.86 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.44% | | | |
| 29) Benzene-d6 | 5.10 | 84 | 309280 | 22.76 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 91.04% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 94612 | 23.59 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 94.36% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 286351 | 21.87 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 87.48% | | | |
| 38) trans-1,3-Dichloropropene- | 7.67 | 79 | 27182 | 15.86 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 63.44% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 25679 | 31.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 63.86% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 78593 | 19.87 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 79.48% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 116730 | 24.08 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 96.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.20 | 43 | 5349 | 5.519 | ug/L | 99 |
| 14) Carbon disulfide | 2.32 | 76 | 2599 | 0.356 | ug/L # | 93 |
| 16) Methylene chloride | 2.54 | 84 | 10409 | 2.302 | ug/L | 94 |
| 25) Chloroform | 4.42 | 83 | 5891 | 1.007 | ug/L # | 67 |
| 36) Methylcyclohexane | 6.18 | 83 | 4253 | 0.770 | ug/L # | 35 |
| 57) Isopropylbenzene | 9.97 | 105 | 6599 | 0.421 | ug/L # | 87 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 11966 | 3.245 | ug/L # | 35 |
| 66) 1,2-Dibromo-3-chloropropan | 12.46 | 75 | 1064 | 2.187 | ug/L # | 2 |
| 69) Naphthalene | 13.54 | 128 | 18018 | 2.607 | ug/L # | 1 |

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

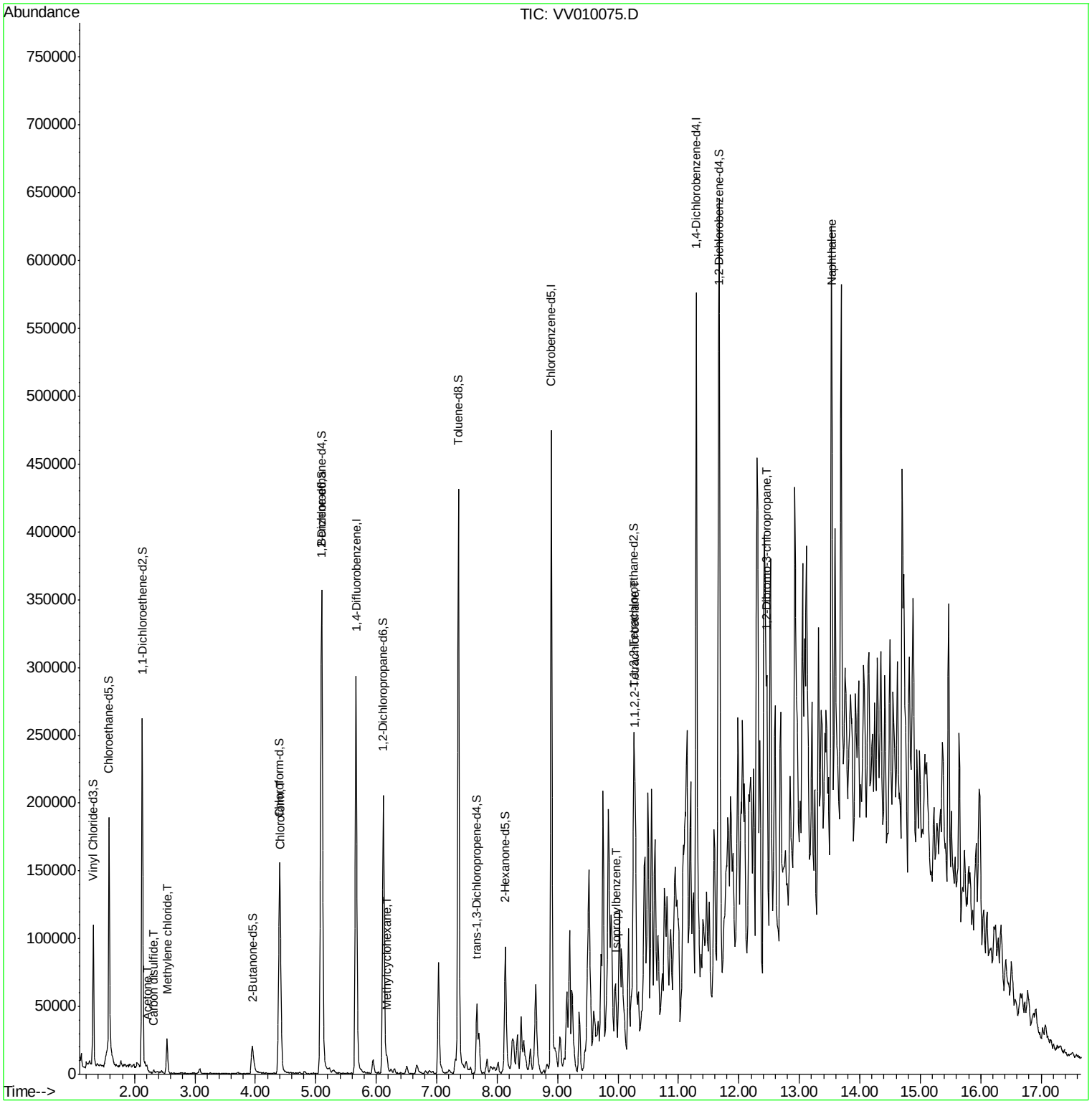
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040219\

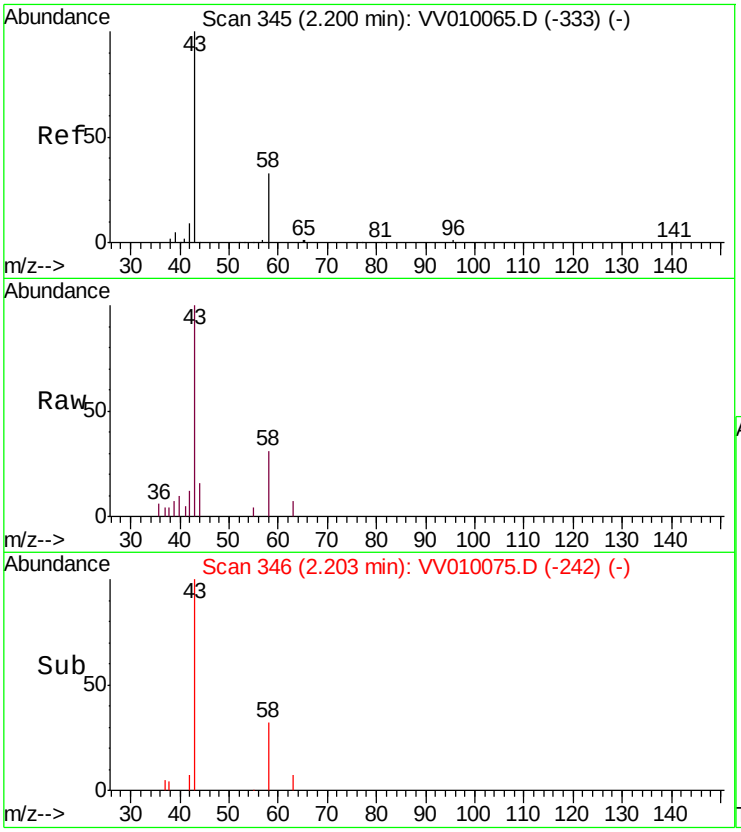
Quantitation Report (Not Reviewed)

Data File : VV010075.D
Acq On : 02 Apr 2019 23:16
Operator : SY/MD
Sample : K2148-12
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BF5F9

Quant Time: Apr 03 06:51:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 06:44:57 2019
Response via : Initial Calibration



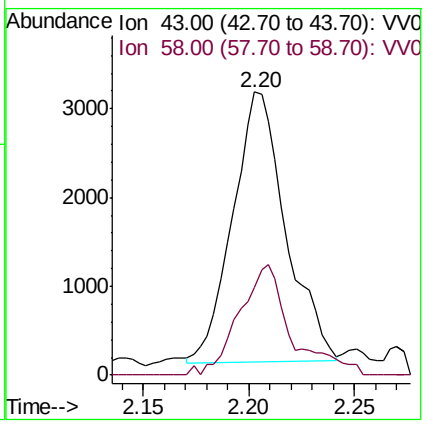


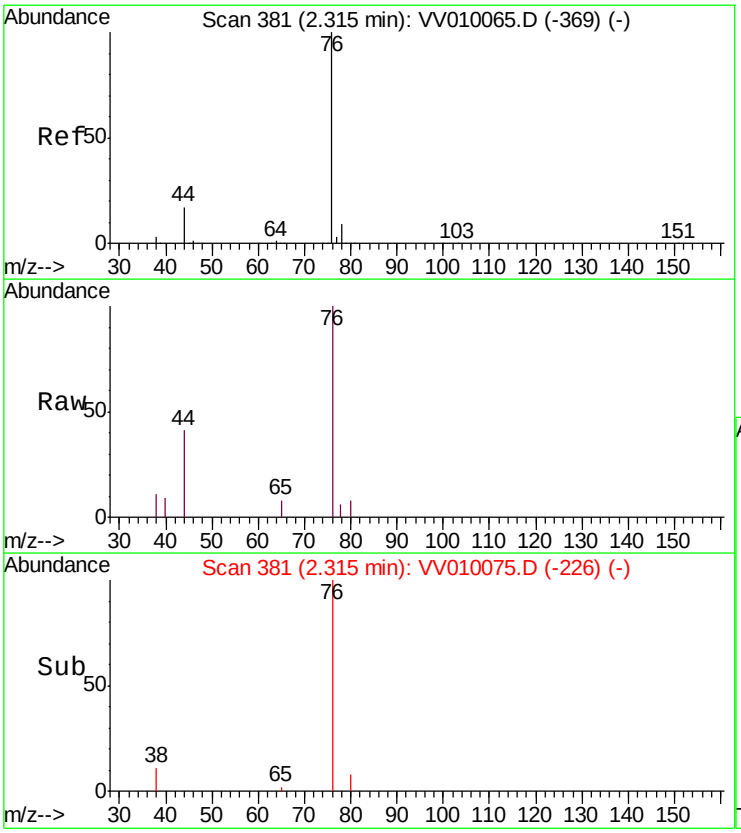

#13
Acetone
Concen: 5.519 ug/L
RT: 2.20 min Scan# 346
Delta R.T. 0.00 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

**Instrument :** MSVOA_V
**ClientSampleId :** BF5F9

Tgt Ion: 43 Resp: 5349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.8 | 0.0 | 64.6 |

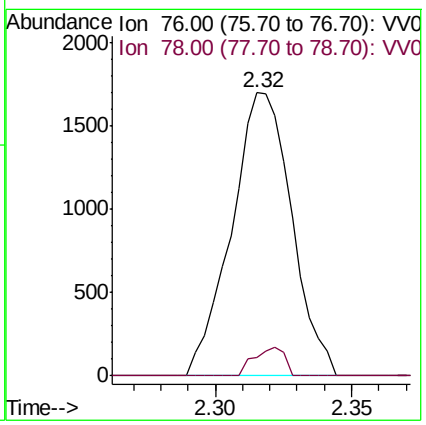


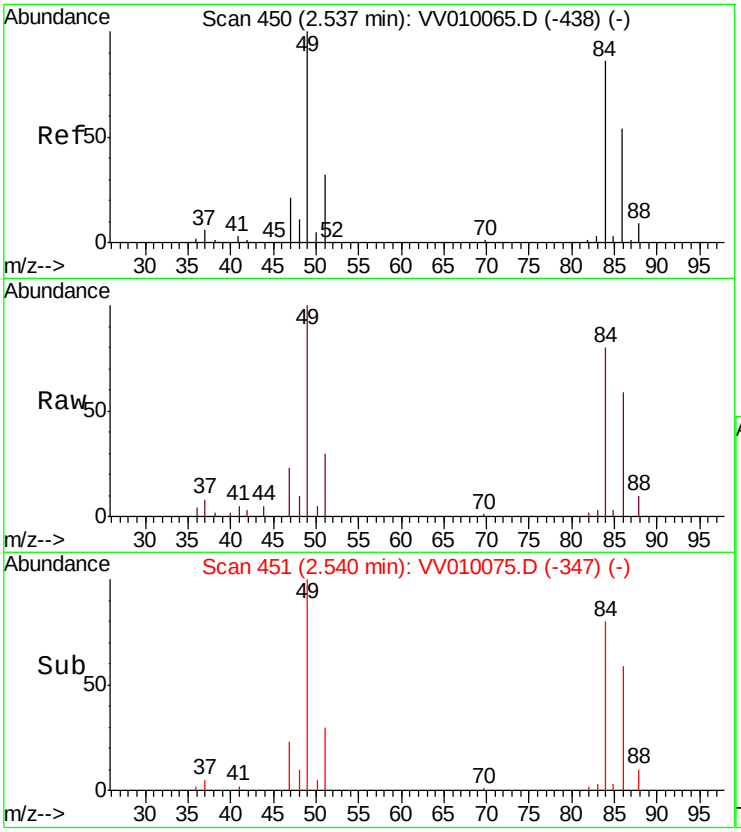




#14
Carbon disulfide
Concen: 0.356 ug/L
RT: 2.32 min Scan# 381
Delta R.T. -0.00 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

Tgt Ion: 76 Resp: 2599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 6.5 | 7.1 | 10.7# |



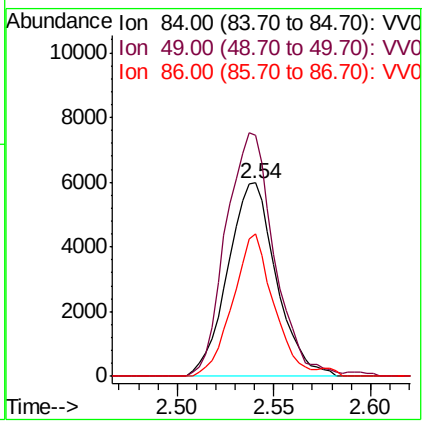


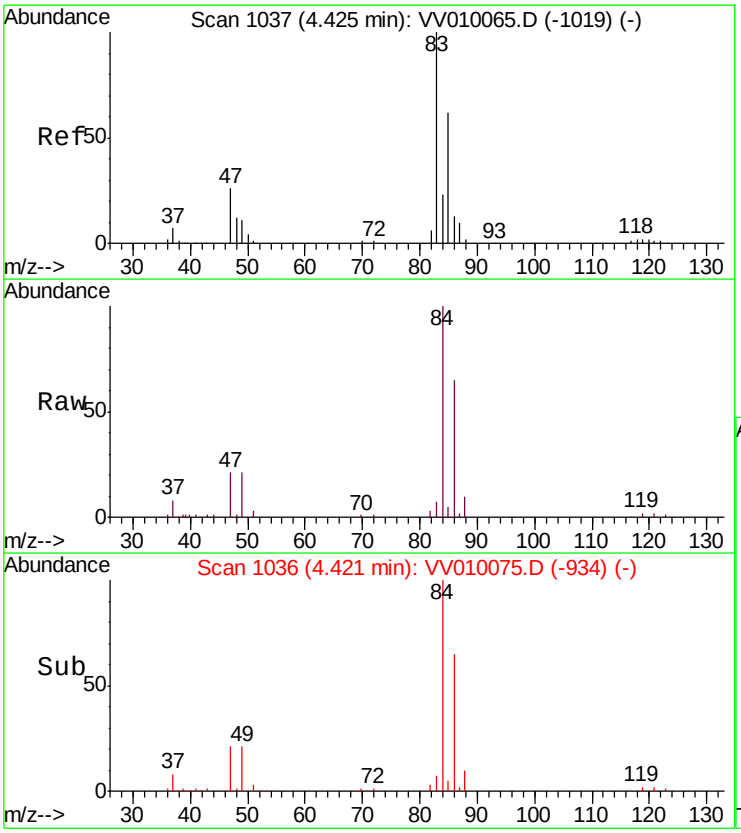

#16
Methylene chloride
Concen: 2.302 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

**Instrument :** MSVOA_V
**ClientSampleId :** BF5F9

Tgt Ion: 84 Resp: 10409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.8 | 84.3 | 156.5 |
| 86 | 73.6 | 45.4 | 84.2 |

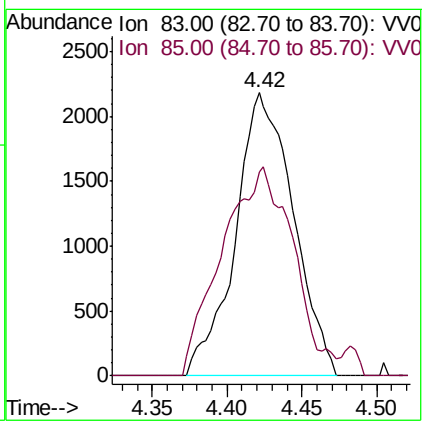


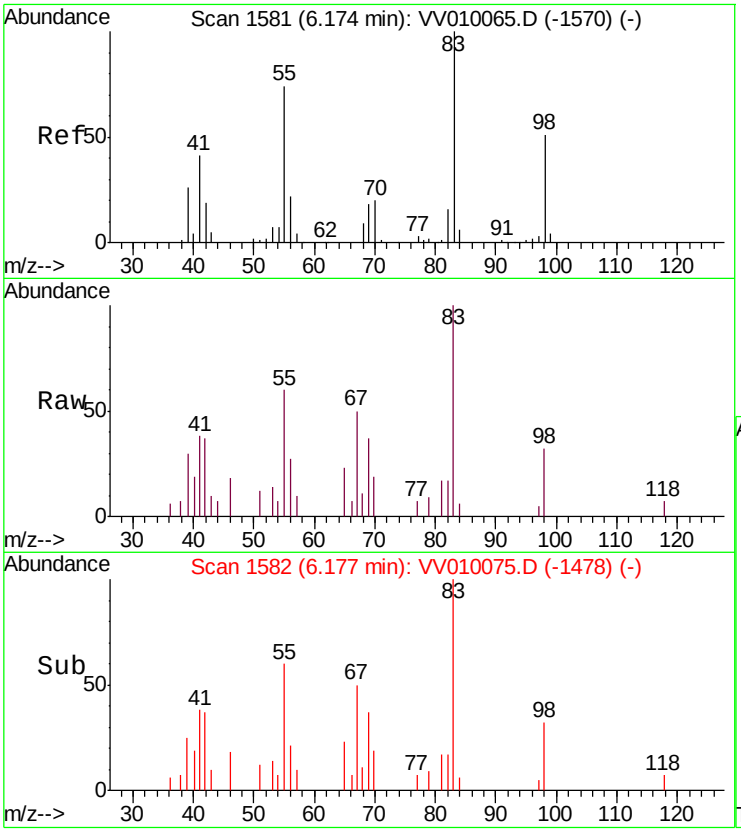




#25
Chloroform
Concen: 1.007 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

Tgt Ion: 83 Resp: 5891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 39.8 | 46.4 | 86.2# |



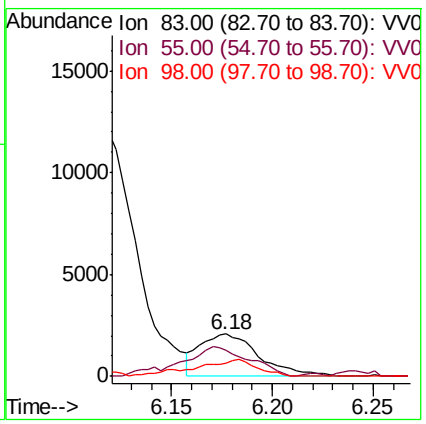


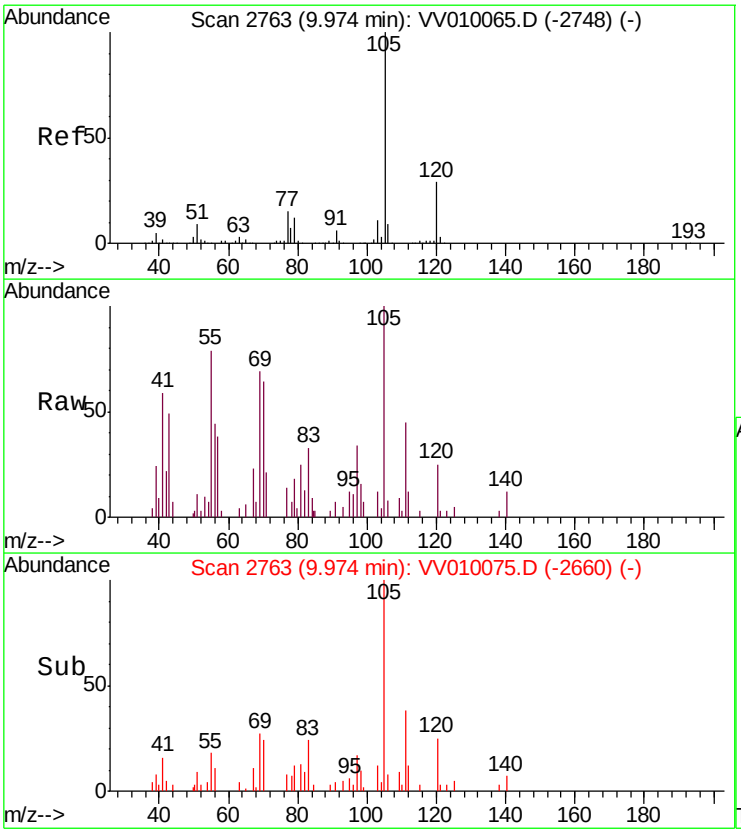

#36
Methylcyclohexane
Concen: 0.770 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

**Instrument :** MSVOA_V
**ClientSampleId :** BF5F9

Tgt Ion: 83 Resp: 4253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 2.5 | 56.3 | 84.5# |
| 98 | 21.3 | 39.0 | 58.6# |

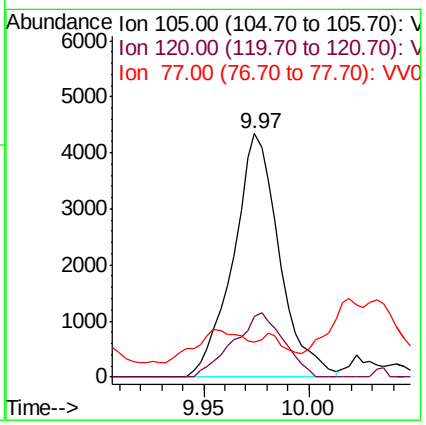


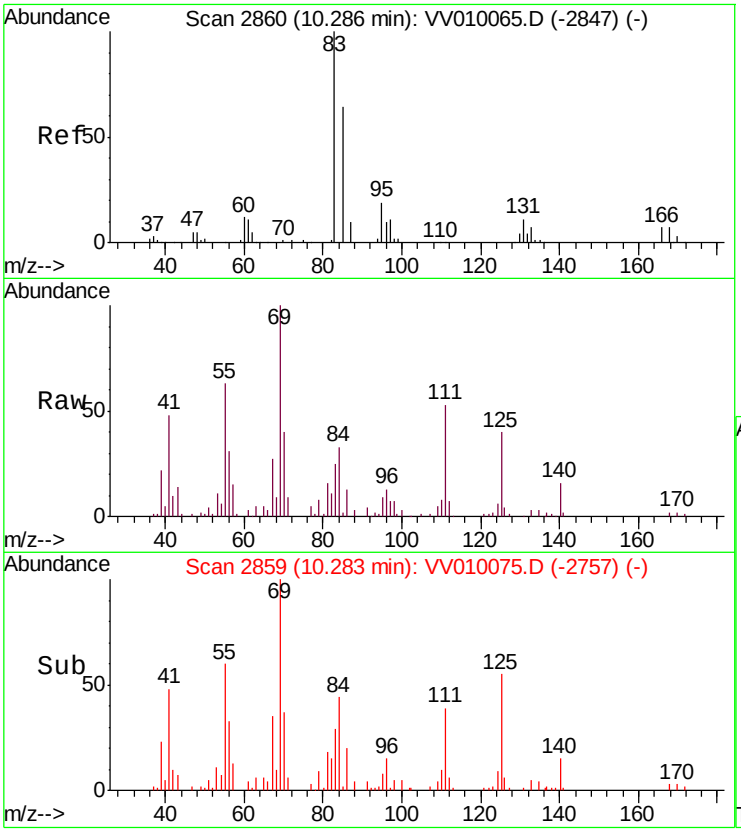




#57
Isopropylbenzene
Concen: 0.421 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

Tgt Ion:105 Resp: 6599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.7 | 21.5 | 32.3 |
| 77 | 3.4 | 12.4 | 18.6# |



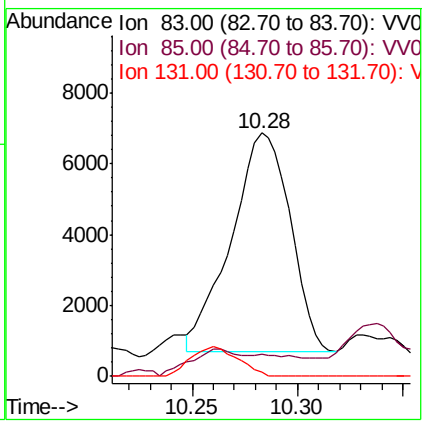


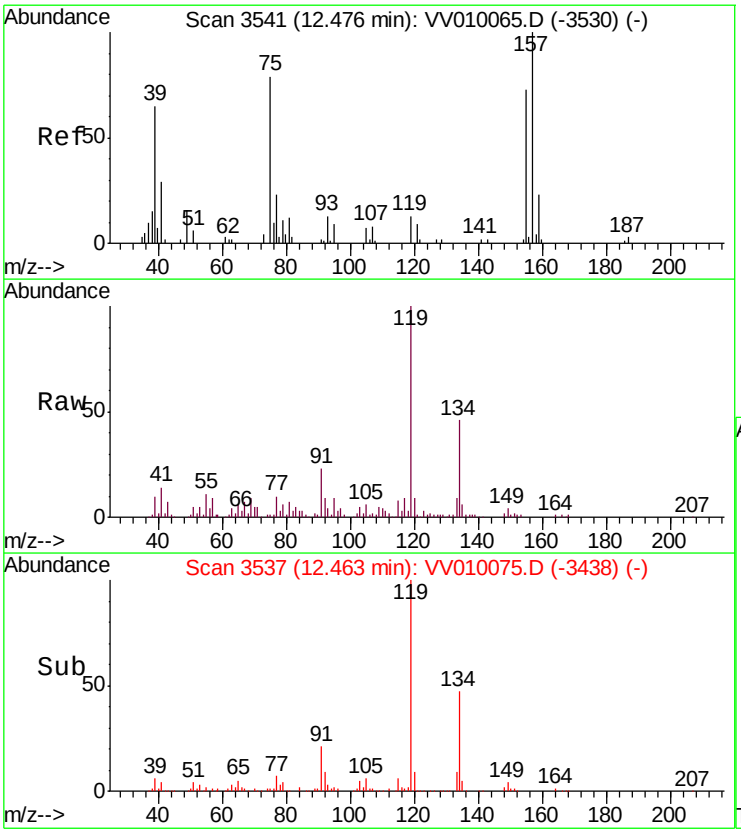

#58
1,1,2,2-Tetrachloroethane
Concen: 3.245 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

**Instrument :** MSVOA_V
**ClientSampleId :** BF5F9

Tgt Ion: 83 Resp: 11966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 9.0 | 46.1 | 85.7# |
| 131 | 1.9 | 9.0 | 13.4# |

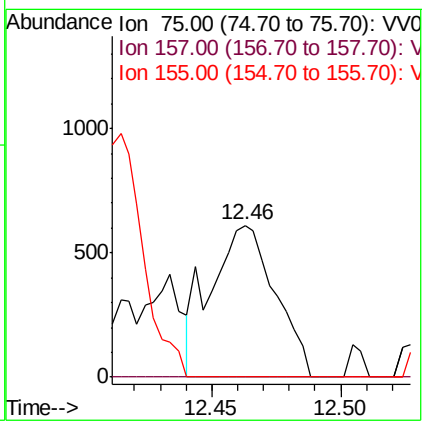


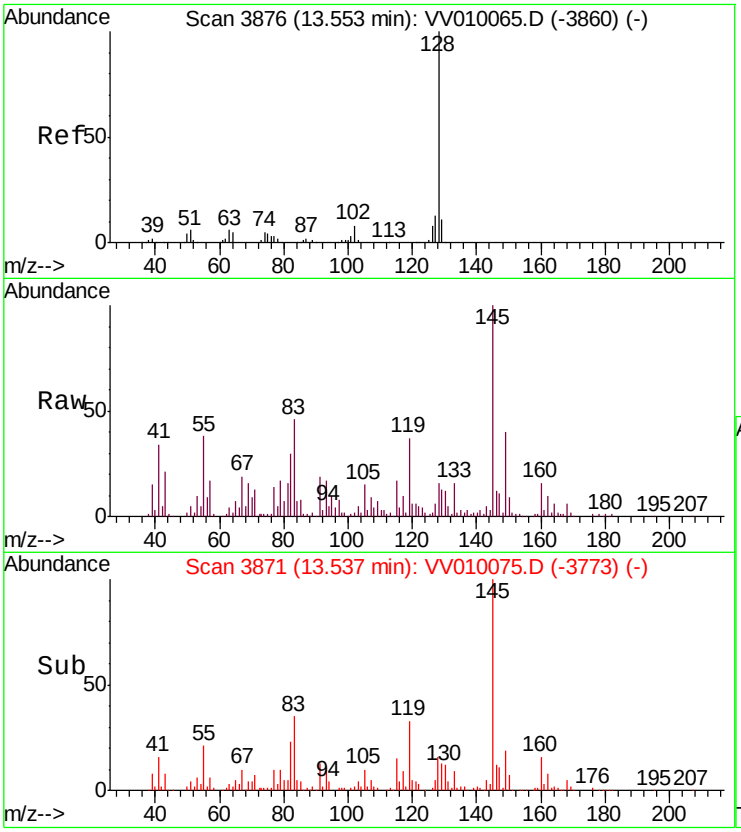




#66
1,2-Dibromo-3-chloropropane
Concen: 2.187 ug/L
RT: 12.46 min Scan# 3537
Delta R.T. -0.01 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

Tgt Ion: 75 Resp: 1064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 157 | 0.0 | 83.0 | 124.6# |
| 155 | 0.0 | 68.1 | 102.1# |






#69
Naphthalene
Concen: 2.607 ug/L
RT: 13.54 min Scan# 3871
Delta R.T. -0.02 min
Lab File: VV010075.D
Acq: 02 Apr 2019 23:16

**Instrument :**
MSVOA_V
**ClientSampleId :**
BF5F9

Tgt Ion:128 Resp: 18018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 79.9 | 9.0 | 13.4# |
| 127 | 26.9 | 11.0 | 16.4# |