Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\

Quantitation Report (Not Reviewed)

Data File : VV010404.D
Acq On : 20 Apr 2019 00:59
Operator : SY/MD
Sample : K2456-20MSD
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAHN8MSD

Quant Time: Apr 20 04:39:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 04:30:57 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 38935 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 37088 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 15319 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 10028 | 20.28 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 81.12% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 9350 | 22.51 | ug/L | 0.01 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 90.04% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 18999 | 15.93 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 63.72% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 8991 | 58.39 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 116.78% | | | |
| 24) Chloroform-d | 4.41 | 84 | 28507 | 27.85 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 111.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 21203 | 35.09 | ug/L | 0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 140.36%# | | | |
| 29) Benzene-d6 | 5.10 | 84 | 48257 | 25.42 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 101.68% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 16704 | 30.07 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 120.28%# | | | |
| 37) Toluene-d8 | 7.36 | 98 | 43794 | 24.00 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 96.00% | | | |
| 38) trans-1,3-Dichloropropene- | 7.67 | 79 | 6230 | 22.80 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 91.20% | | | |
| 39) 2-Hexanone-d5 | 8.14 | 63 | 6075 | 49.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 98.22% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 20078 | 36.13 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 144.52%# | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 17201 | 28.56 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 114.24% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 10238 | 20.241 | ug/L | 88 |
| 13) Acetone | 2.19 | 43 | 1280 | 7.877 | ug/L | 59 |
| 16) Methylene chloride | 2.54 | 84 | 3759 | 6.044 | ug/L | 78 |
| 34) Benzene | 5.15 | 78 | 48312 | 26.694 | ug/L | 100 |
| 35) Trichloroethene | 5.96 | 95 | 13907 | 25.972 | ug/L | 97 |
| 40) 1,2-Dichloropropane | 6.13 | 63 | 2094 | 4.511 | ug/L # | 86 |
| 44) Toluene | 7.43 | 91 | 58340 | 28.594 | ug/L | 95 |
| 52) Chlorobenzene | 8.93 | 112 | 40042 | 28.205 | ug/L | 95 |
| 59) 1,2,3-Trichloropropane | 11.31 | 75 | 1778 | 4.541 | ug/L # | 47 |
| 69) Naphthalene | 13.56 | 128 | 7024 | 6.125 | ug/L # | 80 |

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

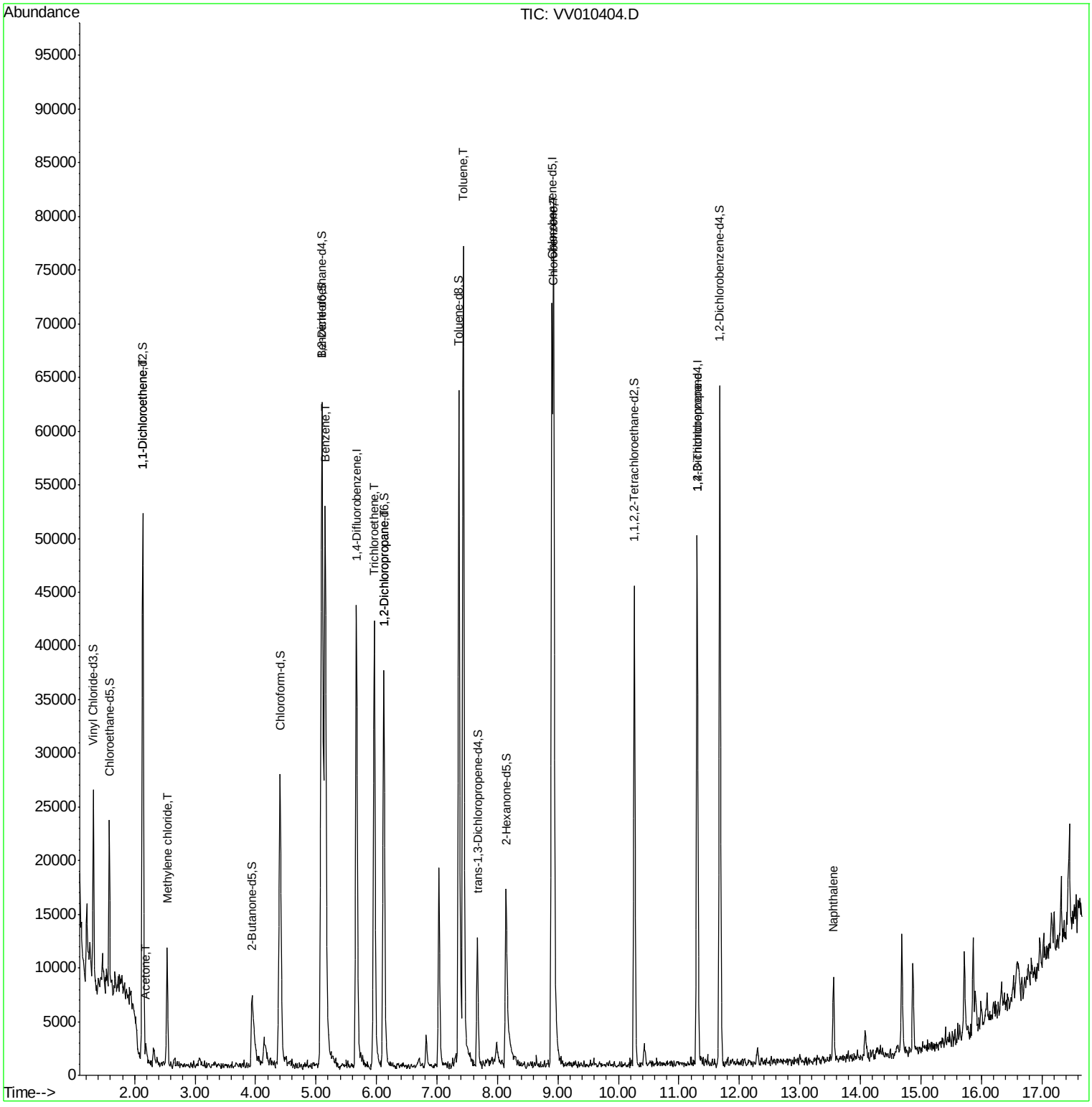
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\

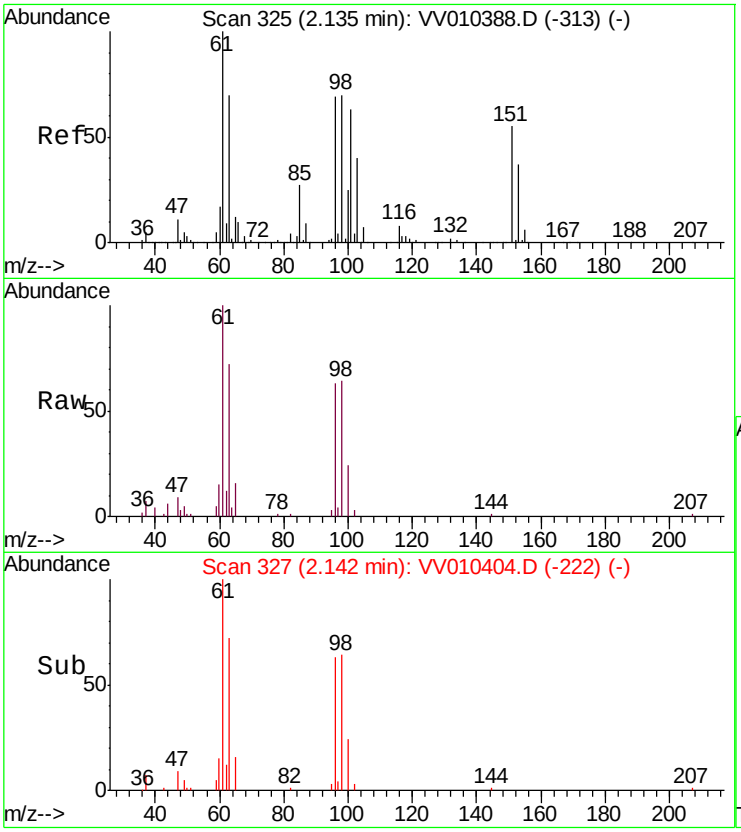
Quantitation Report (Not Reviewed)

Data File : VV010404.D
Acq On : 20 Apr 2019 00:59
Operator : SY/MD
Sample : K2456-20MSD
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAHN8MSD

Quant Time: Apr 20 04:39:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 04:30:57 2019
Response via : Initial Calibration



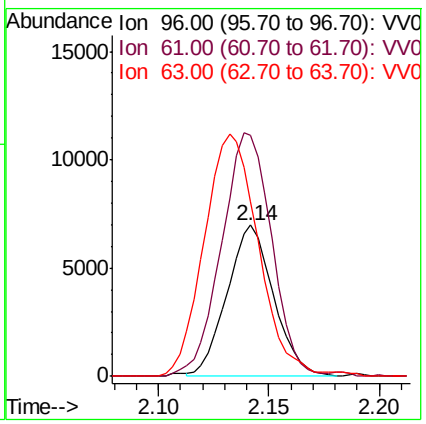


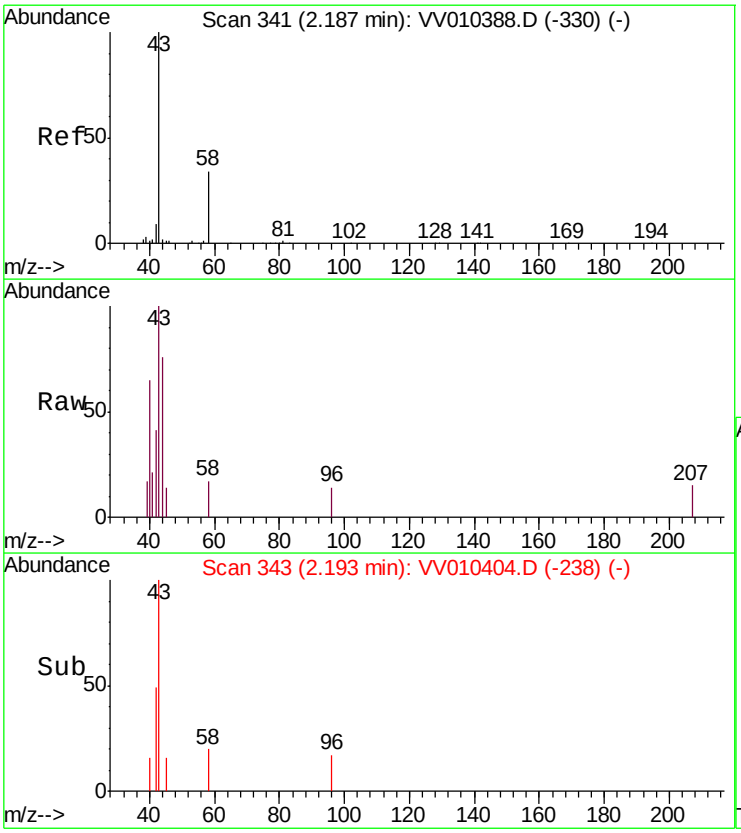

#12
1,1-Dichloroethene
Concen: 20.241 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.01 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAHN8MSD

Tgt Ion: 96 Resp: 10238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.3 | 124.7 | 231.5 |
| 63 | 115.4 | 88.7 | 164.7 |

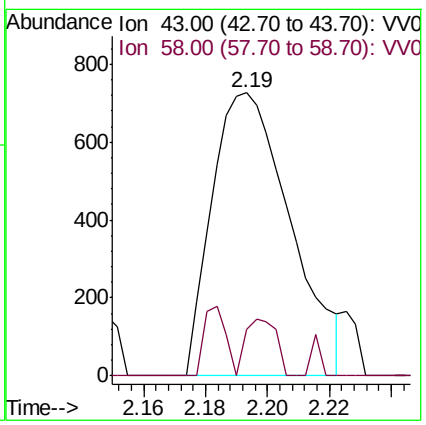


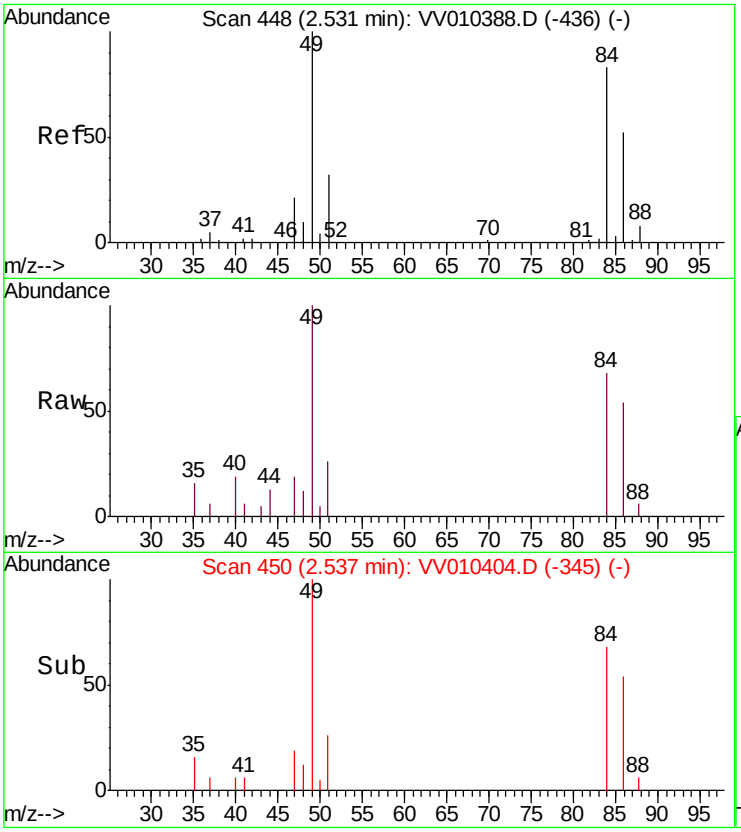




#13
Acetone
Concen: 7.877 ug/L
RT: 2.19 min Scan# 343
Delta R.T. 0.01 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

Tgt Ion: 43 Resp: 1280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 7.9 | 0.0 | 60.0 |



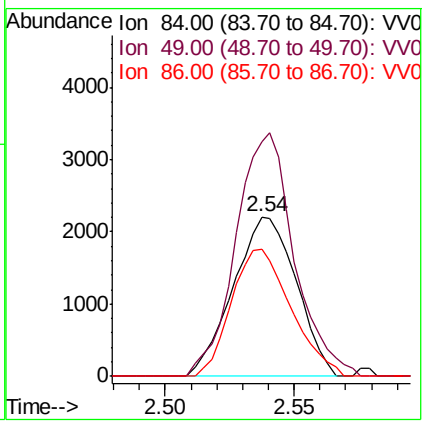


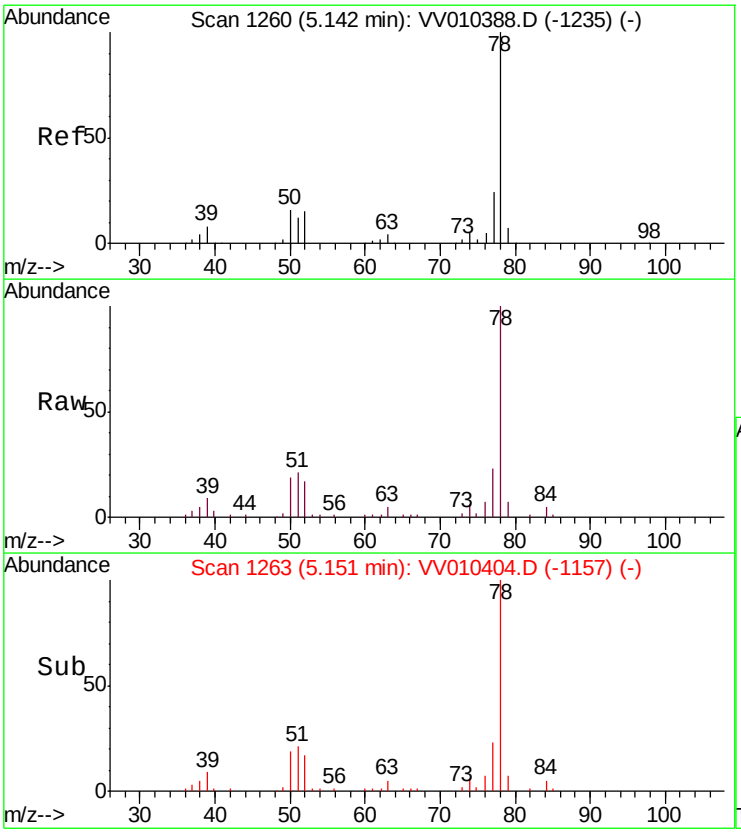

#16
Methylene chloride
Concen: 6.044 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAHN8MSD

Tgt Ion: 84 Resp: 3759

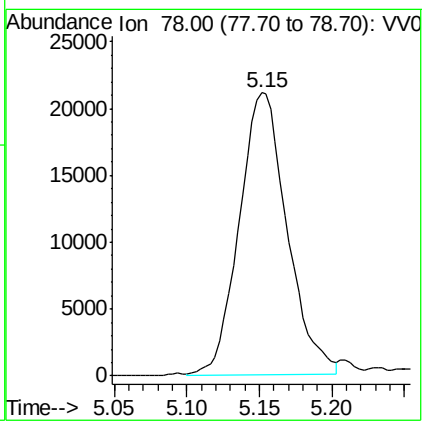
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 147.3 | 83.8 | 155.6 |
| 86 | 80.0 | 46.1 | 85.5 |

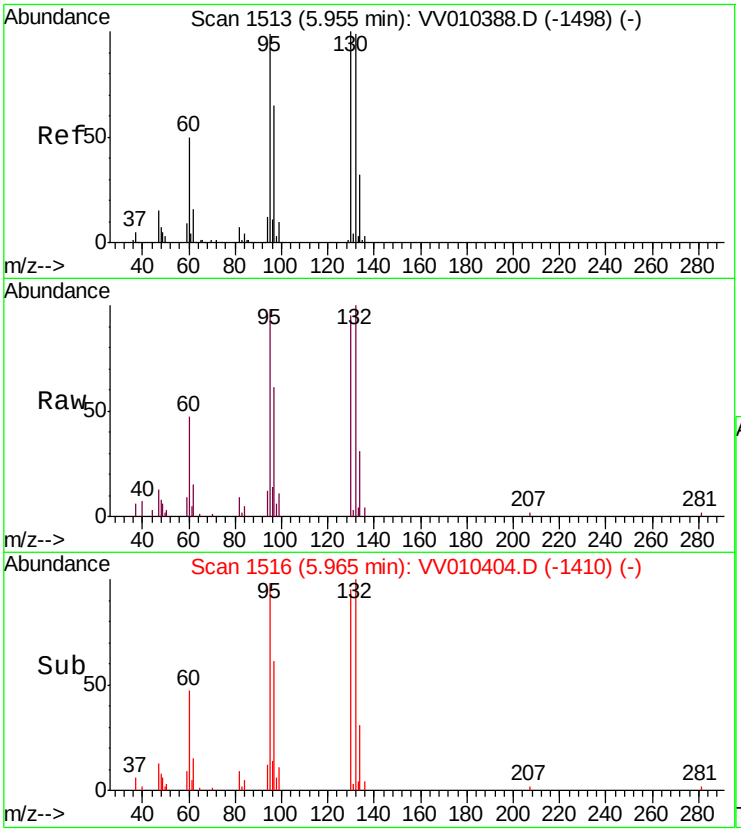



#34
Benzene
Concen: 26.694 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

Tgt Ion: 78 Resp: 48312



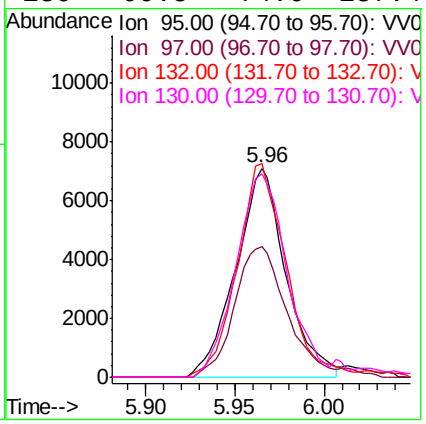


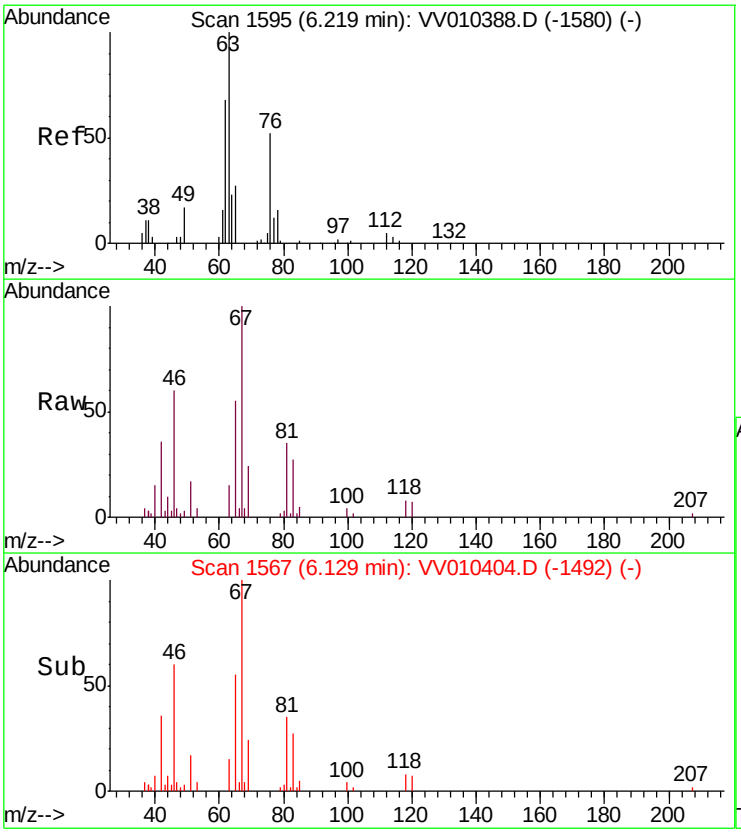

#35
Trichloroethene
Concen: 25.972 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.01 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

**Instrument :** MSVOA_V
**ClientSampleId :** GAHN8MSD

Tgt Ion: 95 Resp: 13907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.1 | 45.6 | 84.8 |
| 132 | 99.1 | 71.5 | 132.7 |
| 130 | 99.5 | 74.0 | 137.4 |

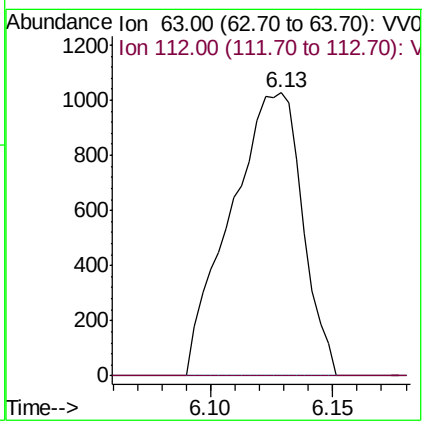


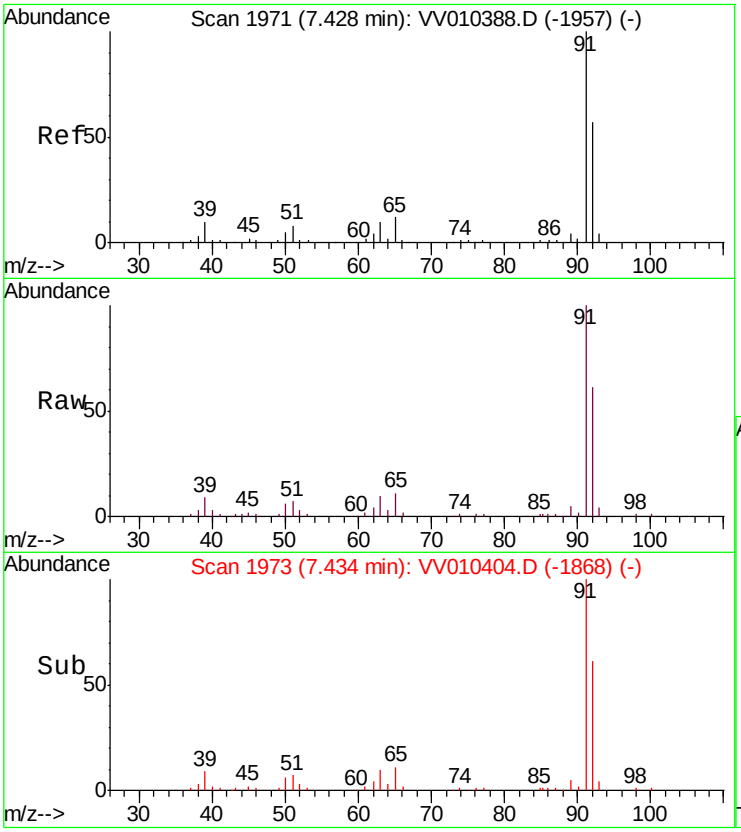




#40
1,2-Dichloropropane
Concen: 4.511 ug/L
RT: 6.13 min Scan# 1567
Delta R.T. -0.09 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

Tgt Ion: 63 Resp: 2094

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



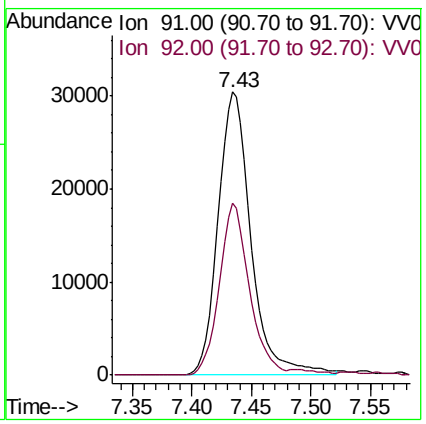


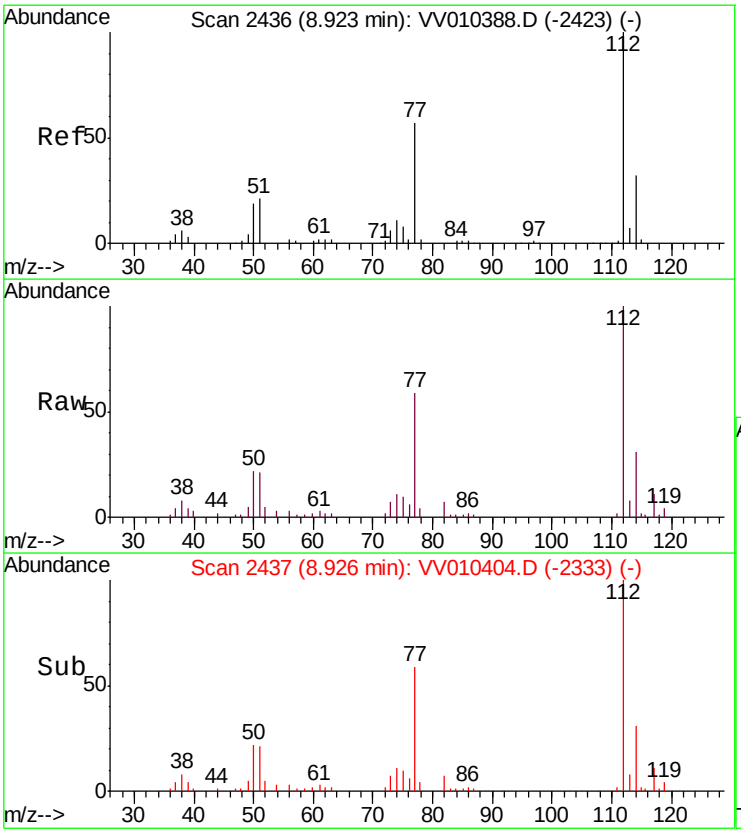

#44
Toluene
Concen: 28.594 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAHN8MSD

Tgt Ion: 91 Resp: 58340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 60.8 | 40.1 | 74.5 |

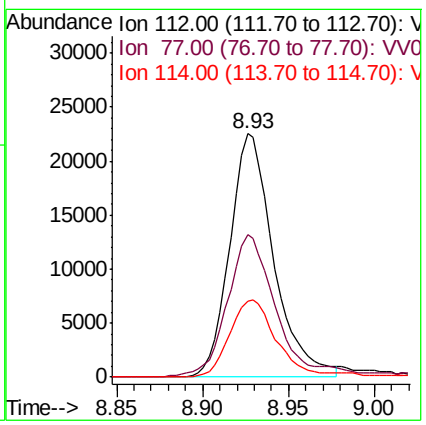


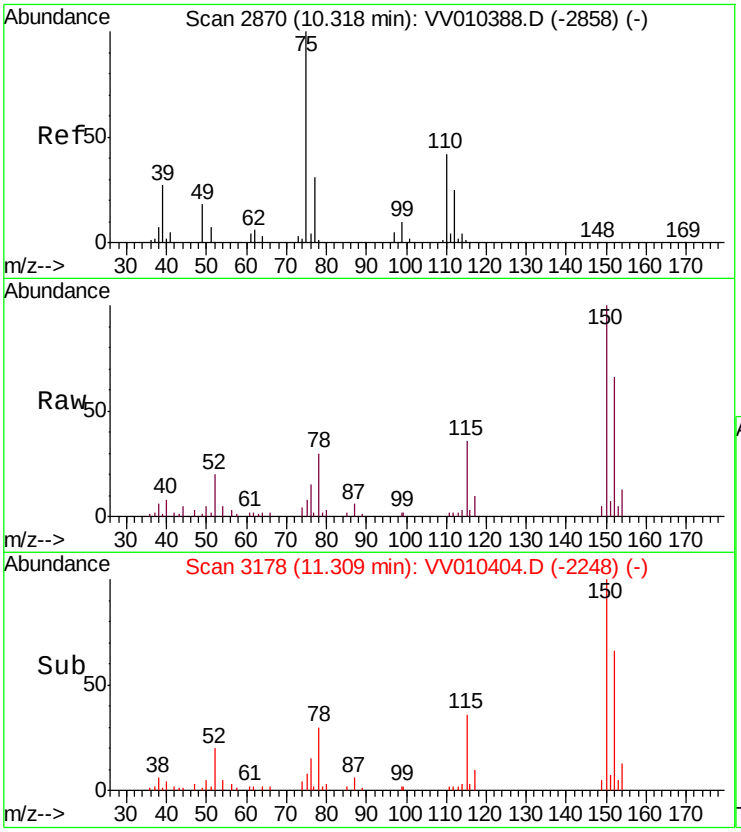




#52
Chlorobenzene
Concen: 28.205 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

Tgt Ion:112 Resp: 40042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 58.7 | 43.0 | 64.4 |
| 114 | 31.0 | 22.5 | 41.9 |



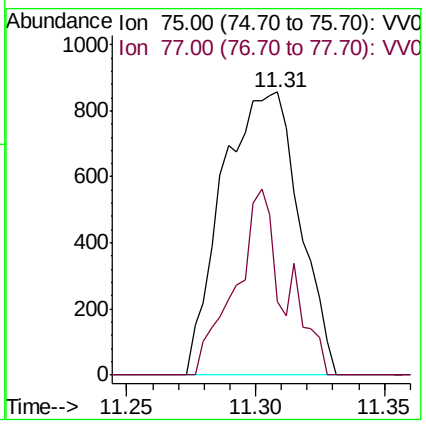


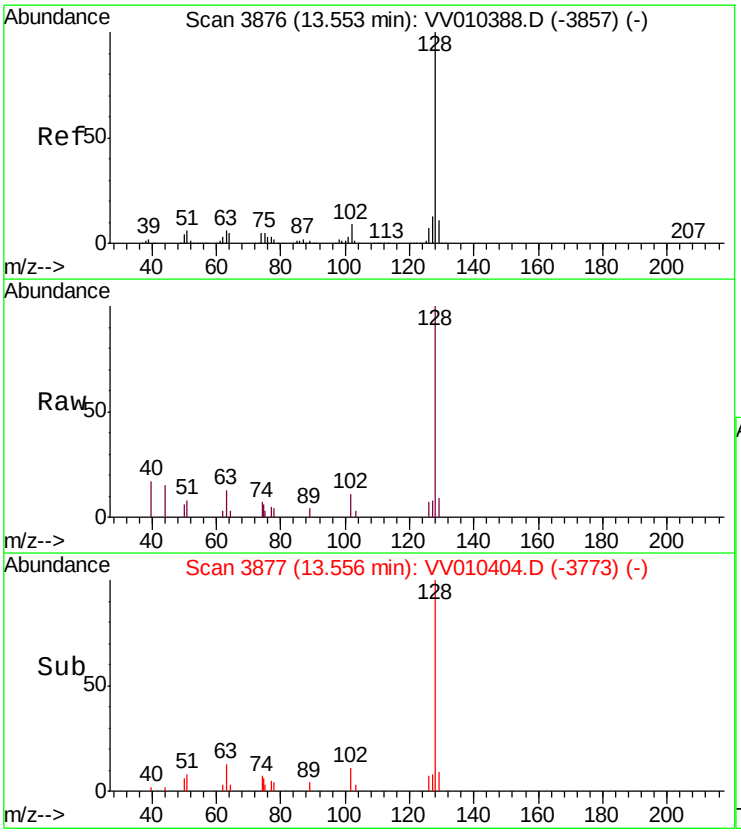

#59
1,2,3-Trichloropropane
Concen: 4.541 ug/L
RT: 11.31 min Scan# 3178
Delta R.T. 0.99 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAHN8MSD

Tgt Ion: 75 Resp: 1778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 2.7 | 25.8 | 38.8# |




#69
Naphthalene
Concen: 6.125 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

Tgt Ion:128 Resp: 7024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 3.6 | 8.7 | 13.1# |
| 127 | 5.0 | 10.7 | 16.1# |