Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Not Reviewed)

Data File : VU034668.D
Acq On : 19 Sep 2019 23:46
Operator : JC/SP
Sample : K4895-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFDG0

Quant Time: Sep 20 04:09:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 489671 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 466197 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152 | 207422 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 224206 | 44.73 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 89.46% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 183667 | 47.41 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 94.82% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 298812 | 35.20 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 70.40% | | | |
| 21) 2-Butanone-d5 | 4.15 | 46 | 409675 | 106.63 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 106.63% | | | |
| 24) Chloroform-d | 4.62 | 84 | 347713 | 47.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.42% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.29 | 65 | 252830 | 47.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.38% | | | |
| 32) Benzene-d6 | 5.32 | 84 | 703030 | 48.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.30% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 246681 | 48.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 97.68% | | | |
| 41) Toluene-d8 | 7.54 | 98 | 672444 | 48.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.82% | | | |
| 43) trans-1,3-Dichloropropene- | 7.83 | 79 | 111988 | 46.30 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 92.60% | | | |
| 47) 2-Hexanone-d5 | 8.29 | 63 | 251390 | 99.10 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 99.10% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 330400 | 47.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 94.30% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.84 | 152 | 213929 | 49.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.36% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.31 | 43 | 305729 | 68.408 | ug/L | 99 |
| 15) Methyl Acetate | 2.61 | 43 | 5823 | 0.975 | ug/L | 94 |
| 16) Methylene chloride | 2.69 | 84 | 4986 | 1.229 | ug/L | 91 |
| 22) 2-Butanone | 4.24 | 43 | 105874 | 19.913 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.40 | 43 | 99913 | 10.870 | ug/L # | 58 |
| 48) 2-Hexanone | 8.40 | 43 | 99988 | 13.928 | ug/L # | 1 |
| 51) Chlorobenzene | 9.10 | 112 | 1480055 | 139.334 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 11.46 | 75 | 36401 | 6.054 | ug/L | 90 |
| 63) 1,4-Dichlorobenzene | 11.48 | 146 | 13412 | 1.833 | ug/L | 96 |
| 65) 1,2-Dichlorobenzene | 11.85 | 146 | 17155 | 2.364 | ug/L | 88 |
| 69) Naphthalene | 13.73 | 128 | 59540 | 4.544 | ug/L | 97 |

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

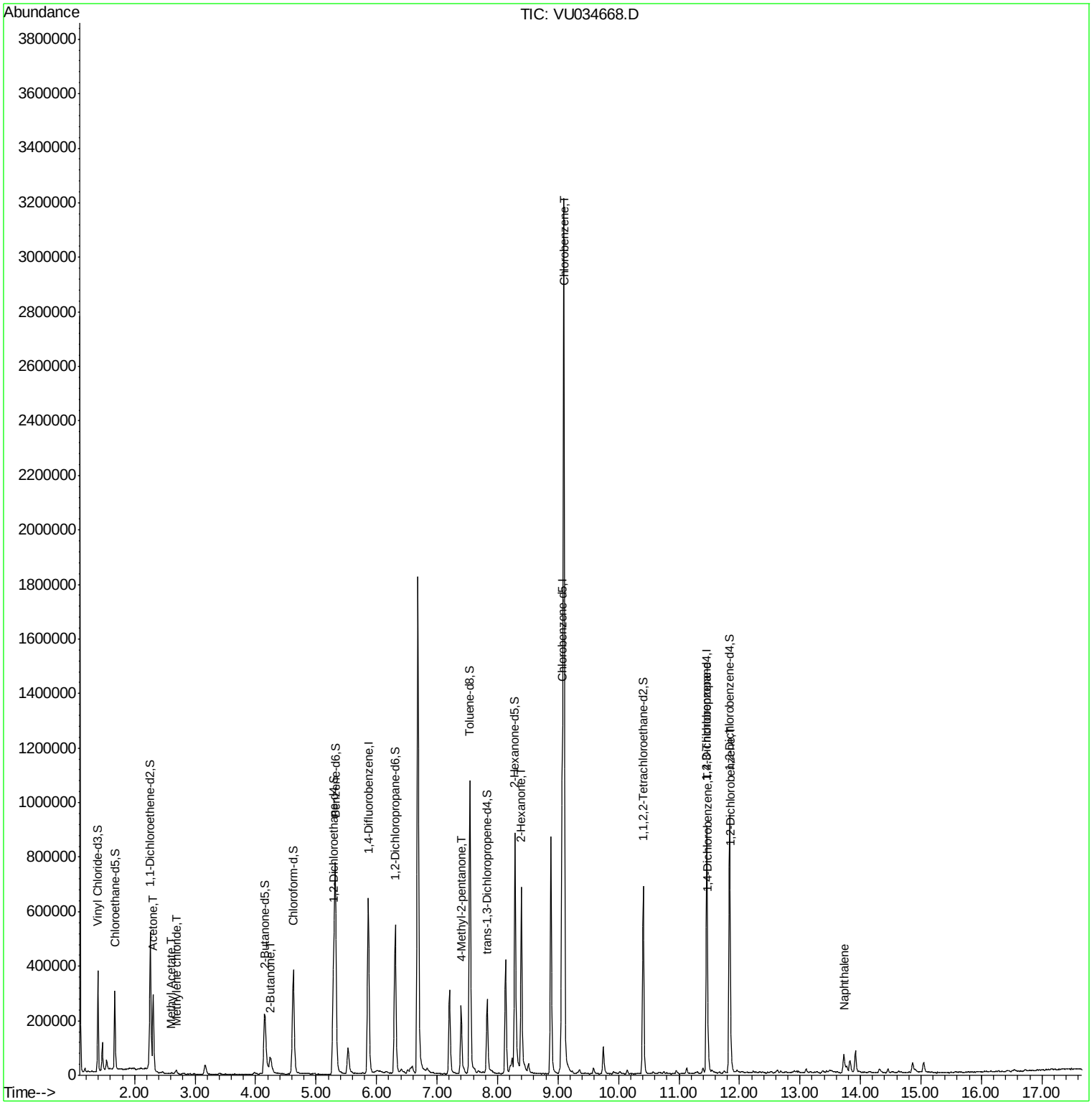
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

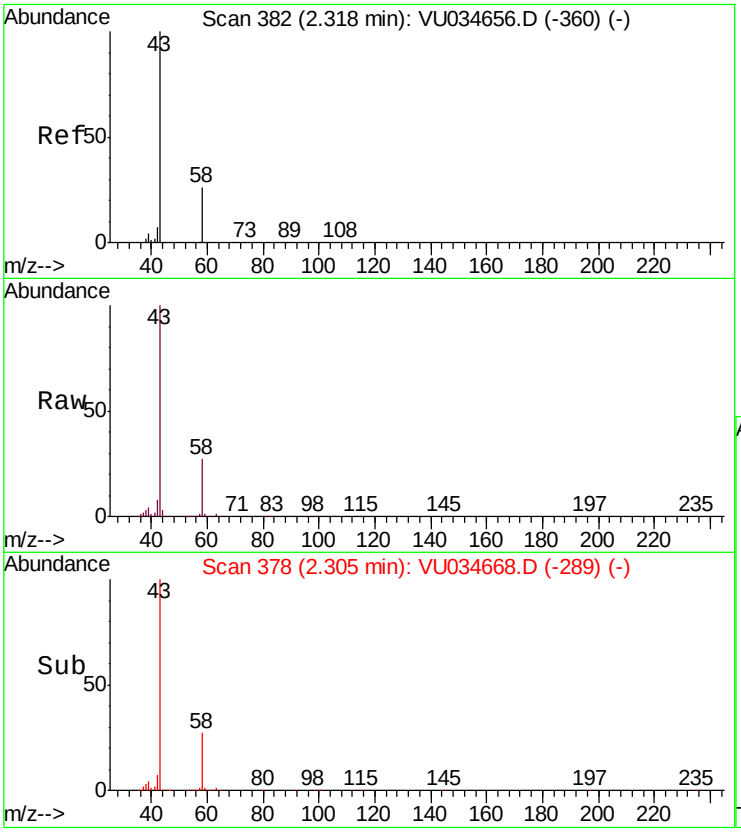
Quantitation Report (Not Reviewed)

Data File : VU034668.D
Acq On : 19 Sep 2019 23:46
Operator : JC/SP
Sample : K4895-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFDG0

Quant Time: Sep 20 04:09:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration



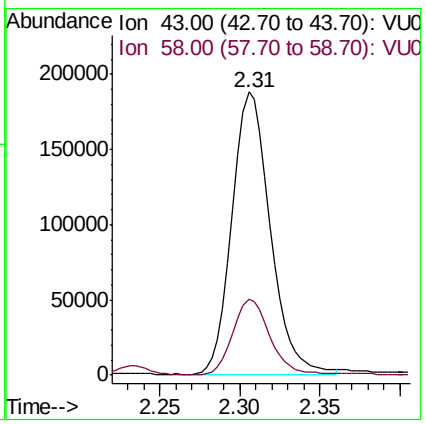


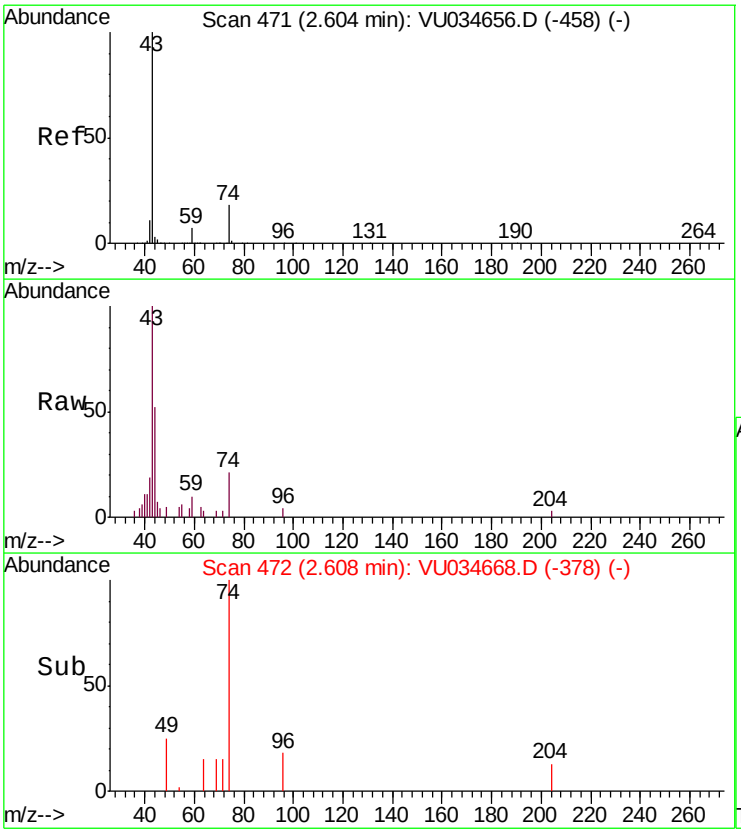

#13
Acetone
Concen: 68.408 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.01 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFDG0

Tgt Ion: 43 Resp: 305729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.3 | 0.0 | 53.4 |

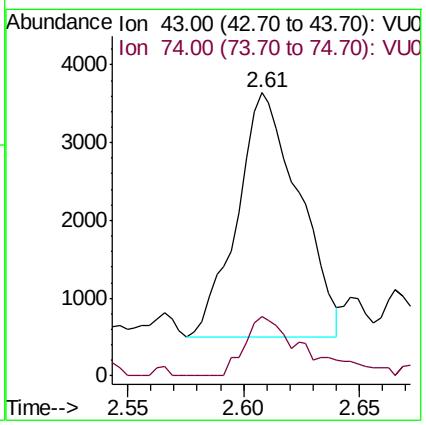


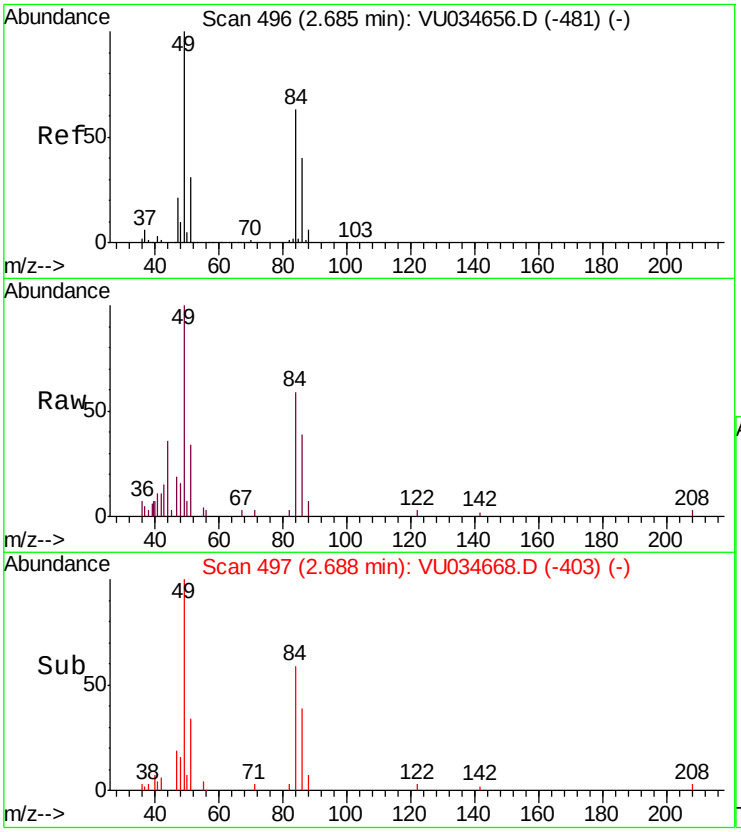




#15
Methyl Acetate
Concen: 0.975 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

Tgt Ion: 43 Resp: 5823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 15.2 | 14.4 | 21.6 |



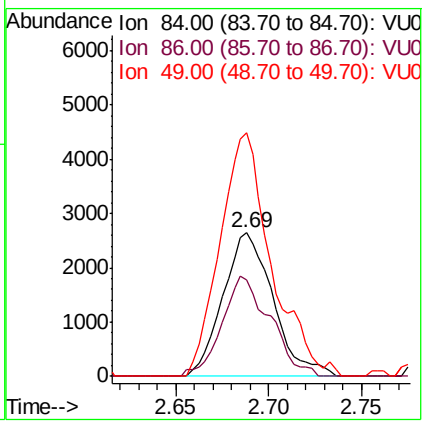


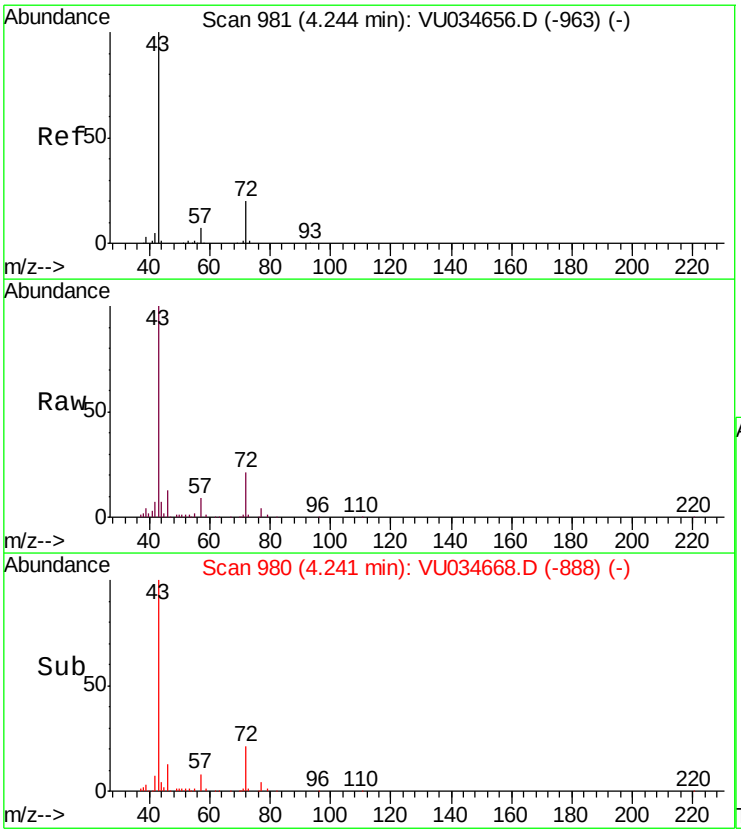

#16
Methylene chloride
Concen: 1.229 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

**Instrument :** MSVOA_U
**ClientSampleId :** BFDG0

Tgt Ion: 84 Resp: 4986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 66.9 | 43.0 | 80.0 |
| 49 | 169.6 | 109.7 | 203.7 |

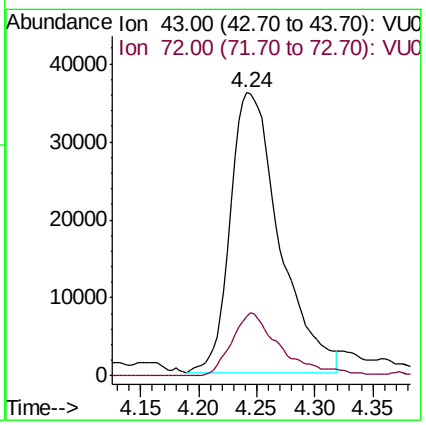


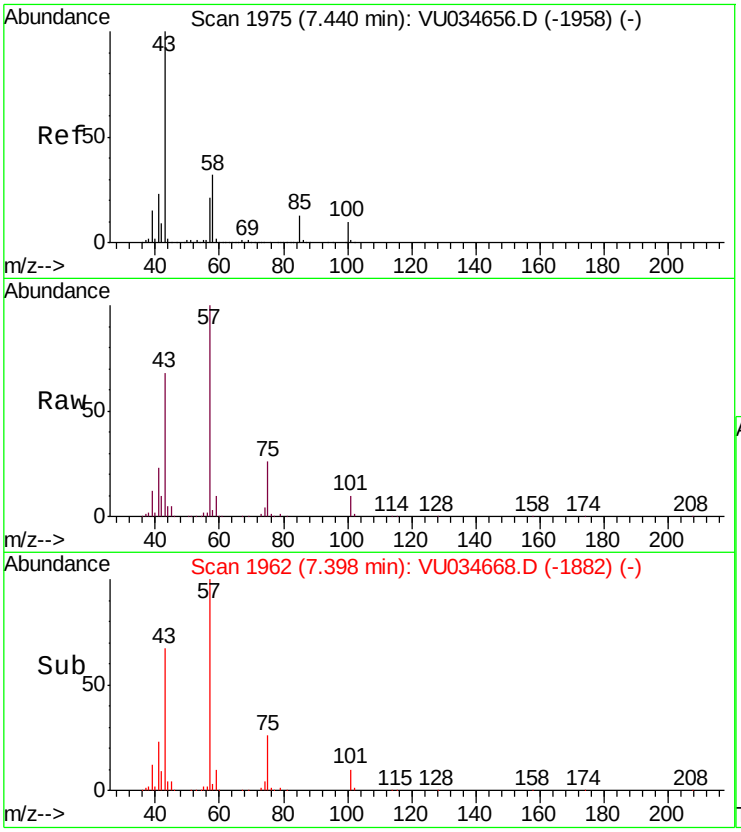




#22
2-Butanone
Concen: 19.913 ug/L
RT: 4.24 min Scan# 980
Delta R.T. -0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

Tgt Ion: 43 Resp: 105874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.5 | 10.2 | 30.6 |



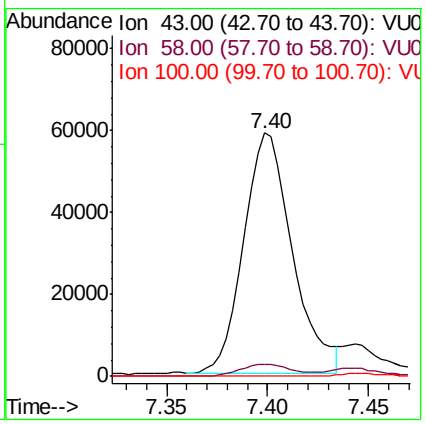


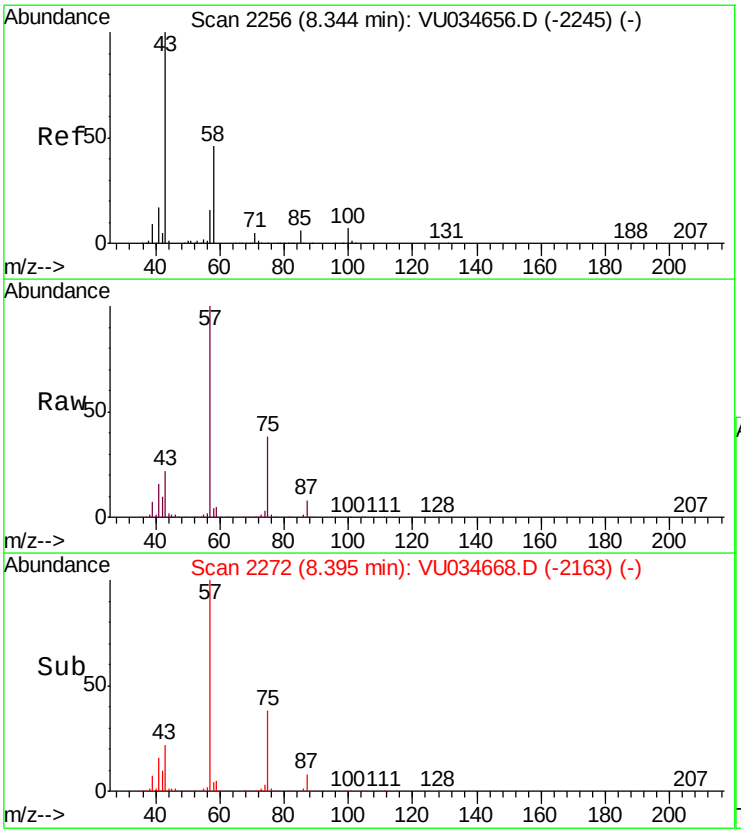

#40
4-Methyl-2-pentanone
Concen: 10.870 ug/L
RT: 7.40 min Scan# 1962
Delta R.T. -0.04 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFDG0

Tgt Ion: 43 Resp: 99913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 5.4 | 25.2 | 37.8# |
| 100 | 0.0 | 7.7 | 11.5# |

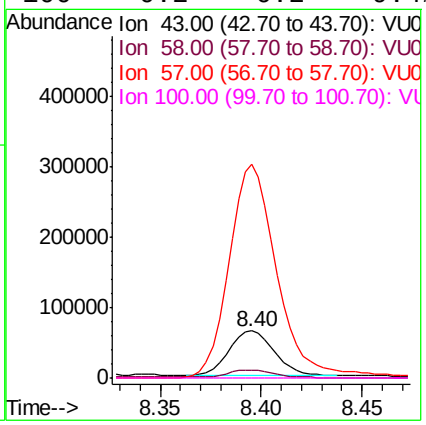


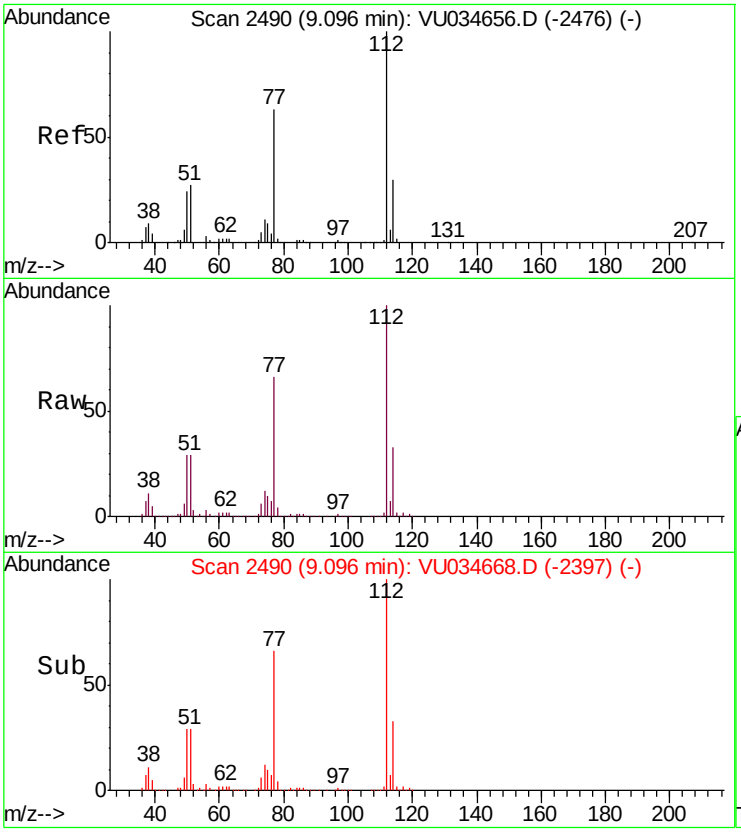




#48
2-Hexanone
Concen: 13.928 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

Tgt Ion: 43 Resp: 99988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 16.6 | 35.3 | 52.9# |
| 57 | 503.2 | 12.1 | 18.1# |
| 100 | 0.2 | 6.2 | 9.4# |



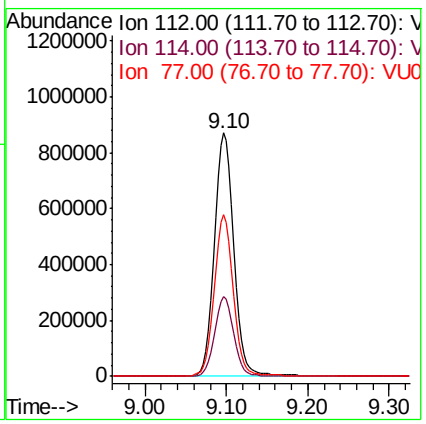


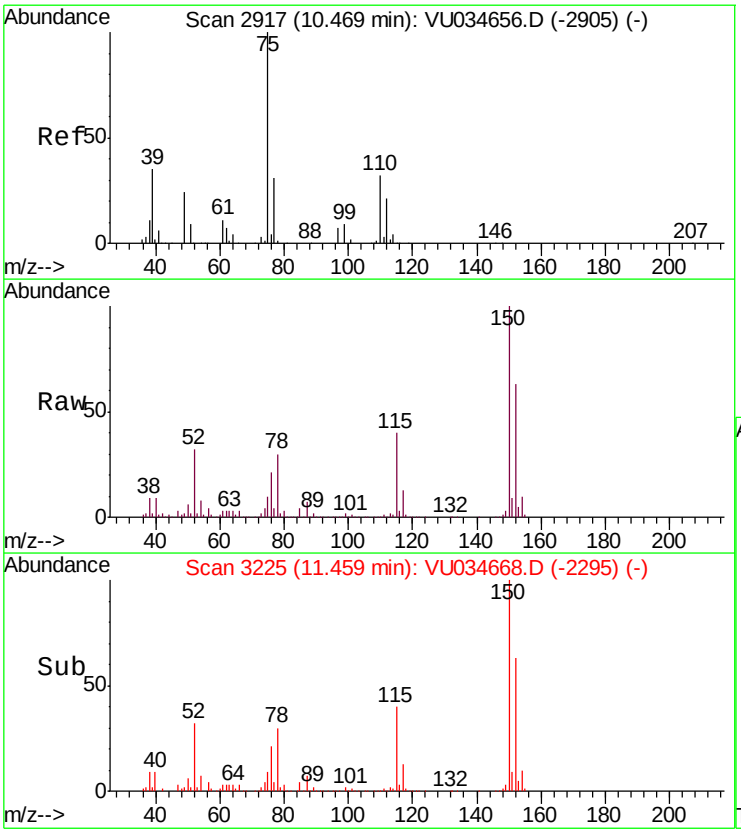

#51
Chlorobenzene
Concen: 139.334 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFDG0

Tgt Ion:112 Resp: 1480055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.9 | 22.8 | 42.4 |
| 77 | 66.3 | 51.5 | 77.3 |

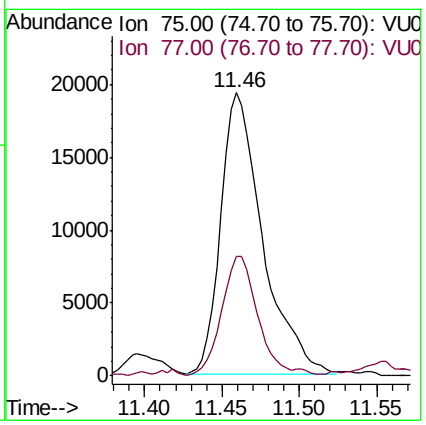


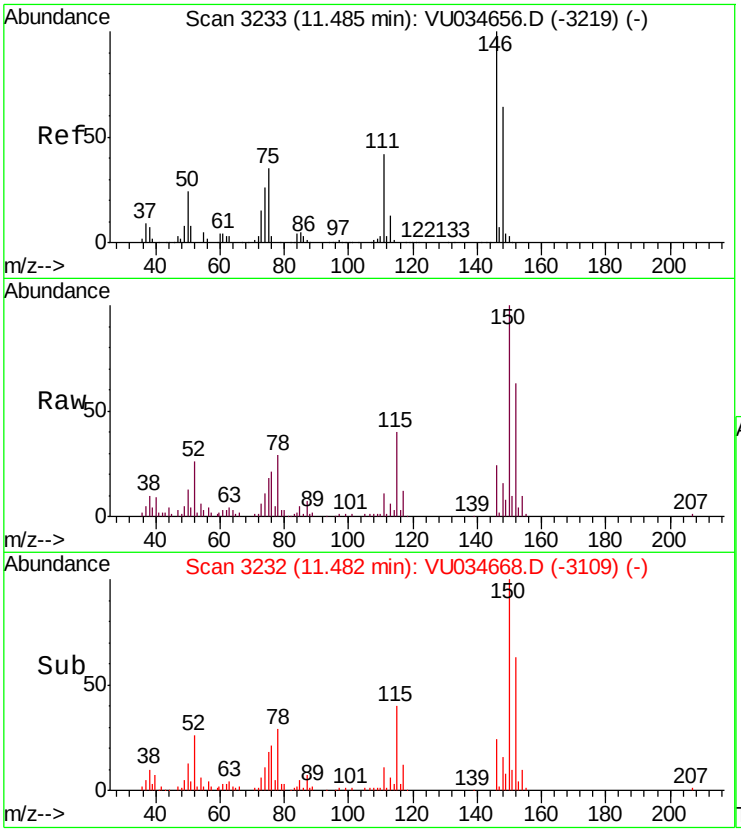




#59
1,2,3-Trichloropropane
Concen: 6.054 ug/L
RT: 11.46 min Scan# 3225
Delta R.T. 0.99 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

Tgt Ion: 75 Resp: 36401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.1 | 24.6 | 37.0 |



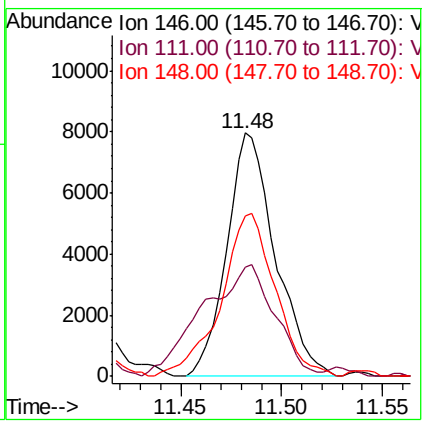


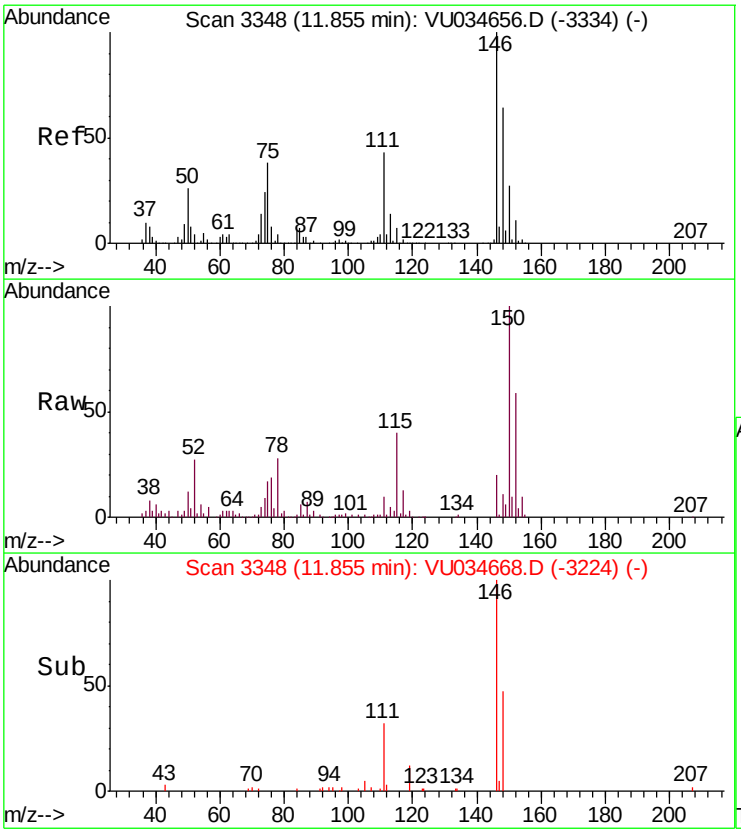

#63
1,4-Dichlorobenzene
Concen: 1.833 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. -0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFDG0

Tgt Ion:146 Resp: 13412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.1 | 29.5 | 54.9 |
| 148 | 66.0 | 44.4 | 82.4 |

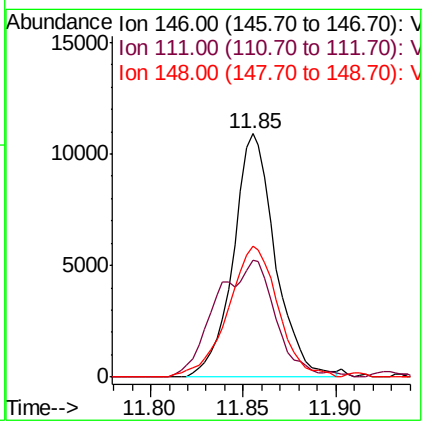


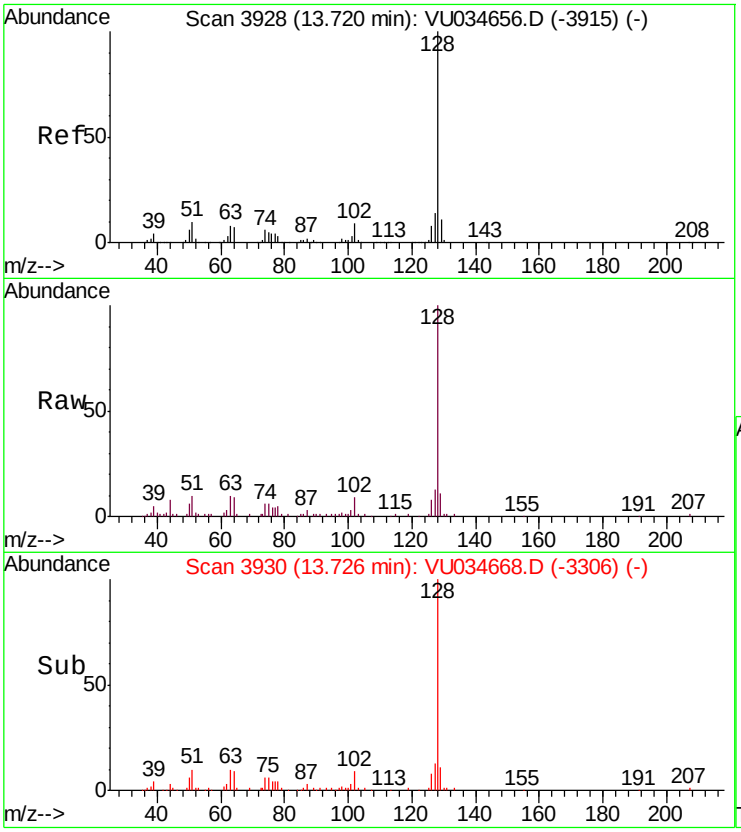




#65
1,2-Dichlorobenzene
Concen: 2.364 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

Tgt Ion:146 Resp: 17155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.1 | 35.2 | 52.8 |
| 148 | 53.8 | 53.0 | 79.6 |






#69
Naphthalene
Concen: 4.544 ug/L
RT: 13.73 min Scan# 3930
Delta R.T. 0.01 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFDG0

Tgt Ion:128 Resp: 59540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.5 | 10.8 | 16.2 |
| 129 | 10.8 | 8.6 | 12.8 |