Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\

Quantitation Report (Not Reviewed)

Data File : VU032992.D
Acq On : 24 Jun 2019 09:23
Operator : JC/SP
Sample : VU0624WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK39

Quant Time: Jun 25 05:25:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 206341 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.08 | 117 | 201728 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 97514 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 60132 | 42.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 85.28% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 51560 | 45.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 91.68% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 96756 | 34.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 68.12% | | | |
| 21) 2-Butanone-d5 | 4.16 | 46 | 117310 | 99.95 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 99.95% | | | |
| 24) Chloroform-d | 4.64 | 84 | 134558 | 49.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.16% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 94832 | 51.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 103.86% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 259272 | 49.30 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 84495 | 50.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 100.88% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 241082 | 48.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.90% | | | |
| 43) trans-1,3-Dichloropropene- | 7.84 | 79 | 42831 | 49.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 98.30% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 73111 | 93.47 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 93.47% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42 | 84 | 123823 | 47.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 95.62% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 96762 | 51.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.56% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Chloroethane | 1.40 | 64 | 1086 | 1.007 | ug/L # | 1 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 878 | 0.637 | ug/L # | 17 |
| 12) 1,1-Dichloroethene | 2.26 | 96 | 852 | 0.656 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 1141 | 0.704 | ug/L | 68 |
| 37) 1,2-Dichloropropane | 6.32 | 63 | 10311 | 6.468 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 3216 | 1.295 | ug/L # | 62 |
| 44) trans-1,3-Dichloropropene | 7.84 | 75 | 2290 | 0.982 | ug/L | 90 |
| 48) 2-Hexanone | 8.36 | 43 | 3414 | 1.520 | ug/L # | 73 |
| 63) 1,4-Dichlorobenzene | 11.50 | 146 | 1561 | 0.499 | ug/L # | 91 |

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

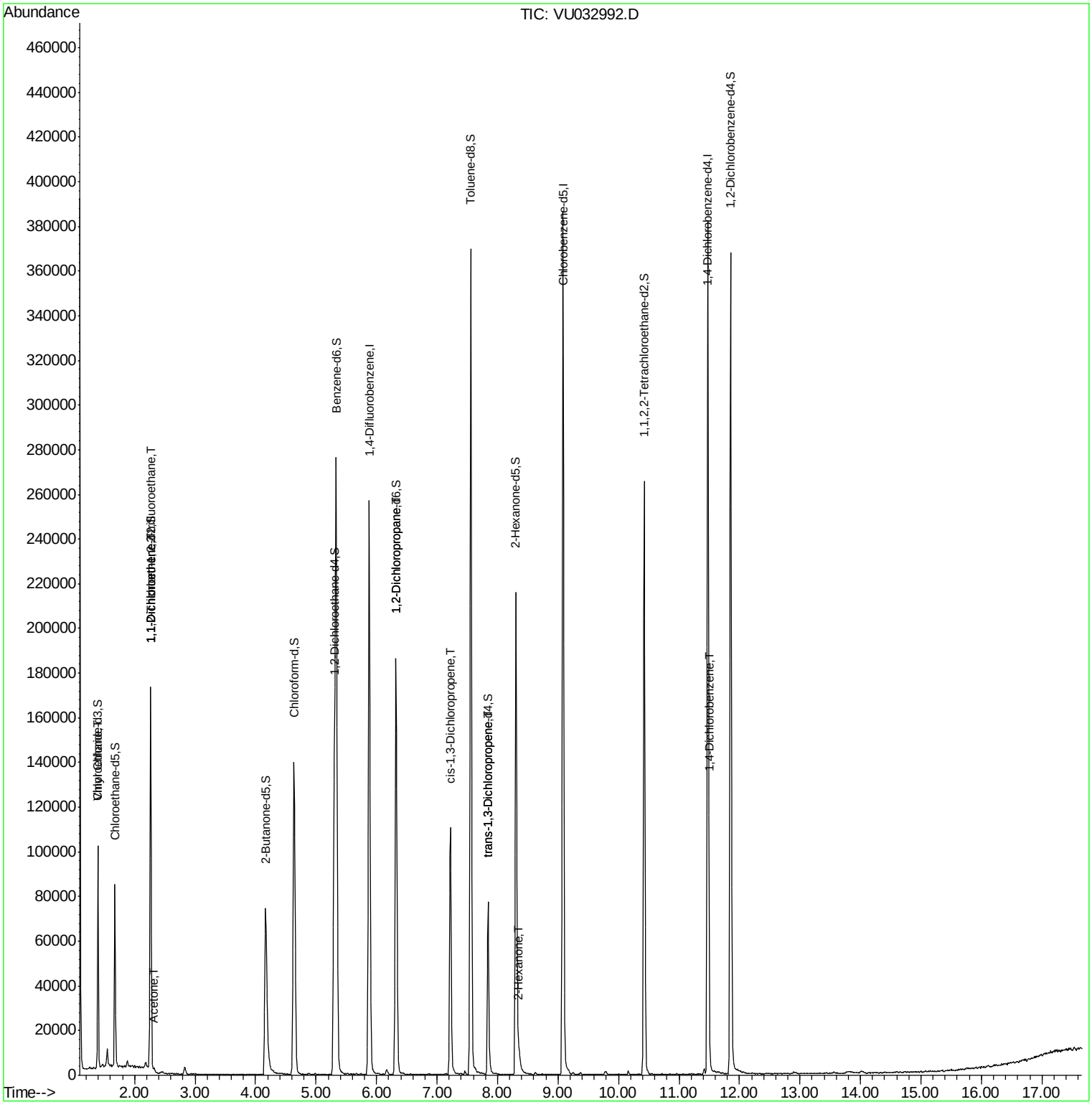
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\

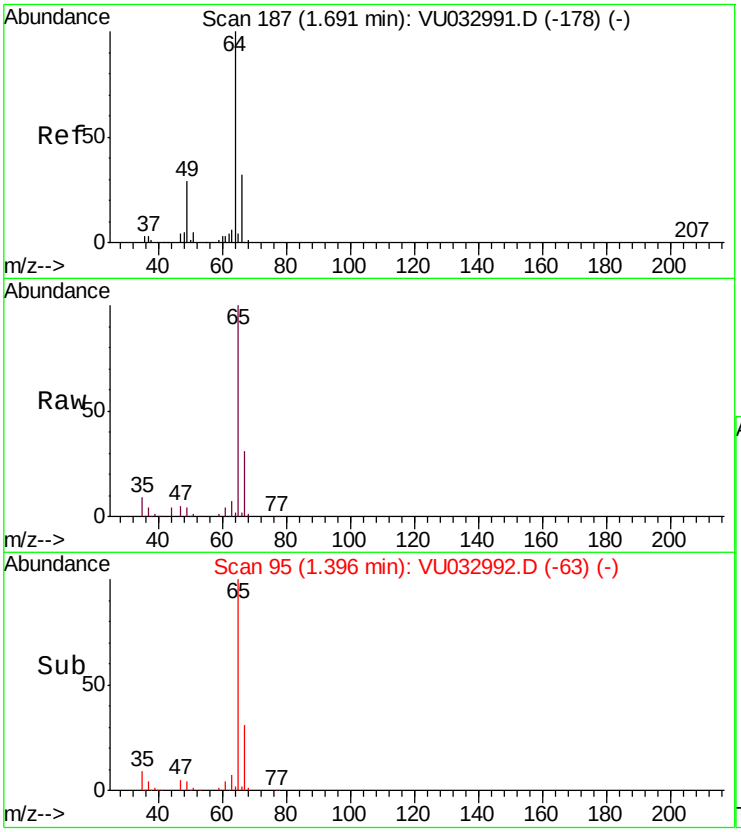
Quantitation Report (Not Reviewed)

Data File : VU032992.D
Acq On : 24 Jun 2019 09:23
Operator : JC/SP
Sample : VU0624WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK39

Quant Time: Jun 25 05:25:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration



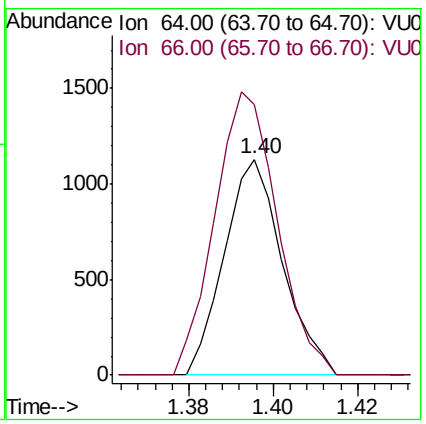


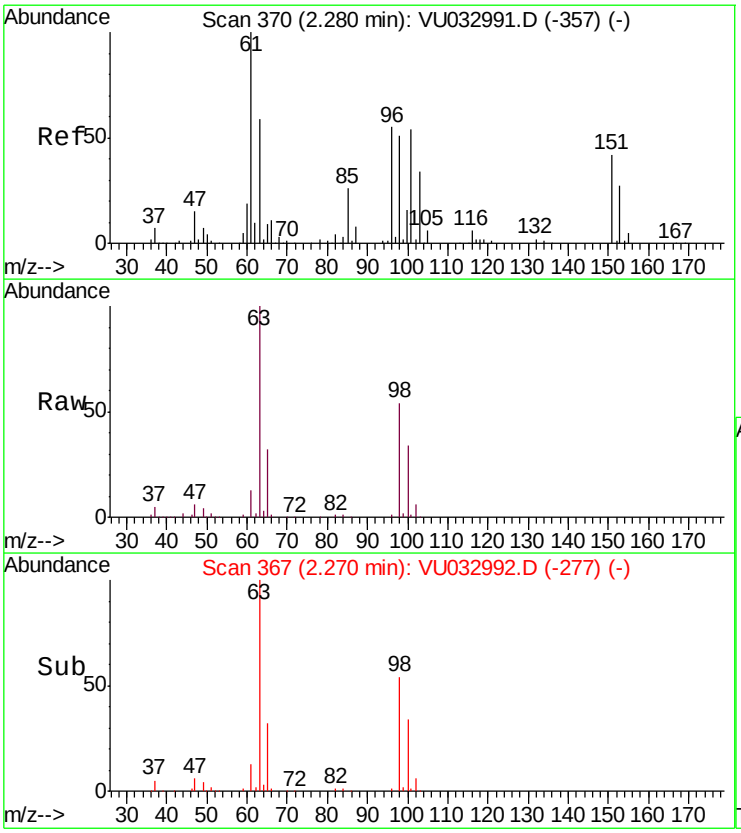

#8
Chloroethane
Concen: 1.007 ug/L
RT: 1.40 min Scan# 95
Delta R.T. -0.30 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK39

Tgt Ion: 64 Resp: 1086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 125.5 | 22.5 | 41.7# |

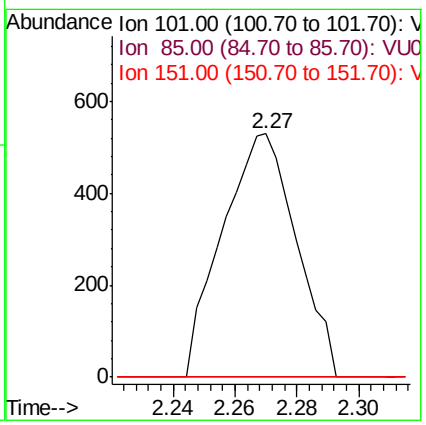


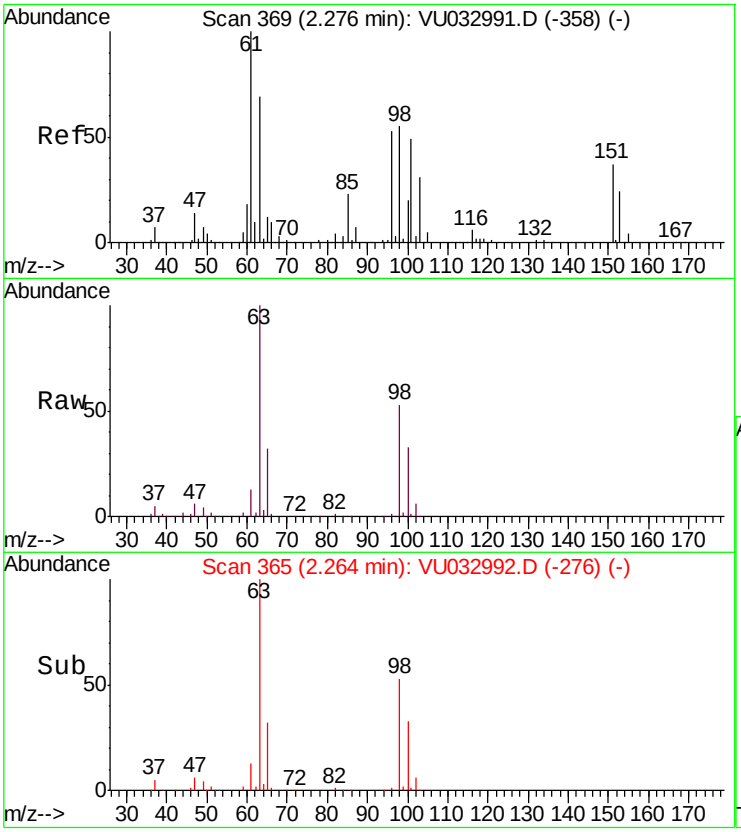




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.637 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

Tgt Ion:101 Resp: 878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 36.8 | 55.2# |
| 151 | 0.0 | 63.6 | 95.4# |



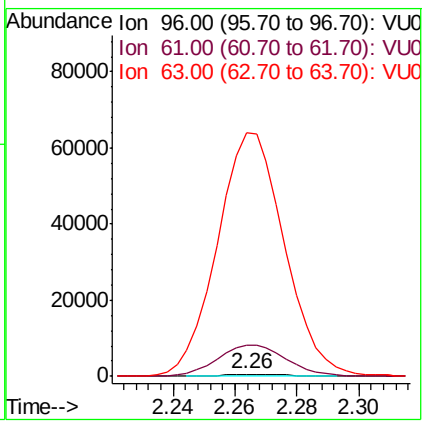


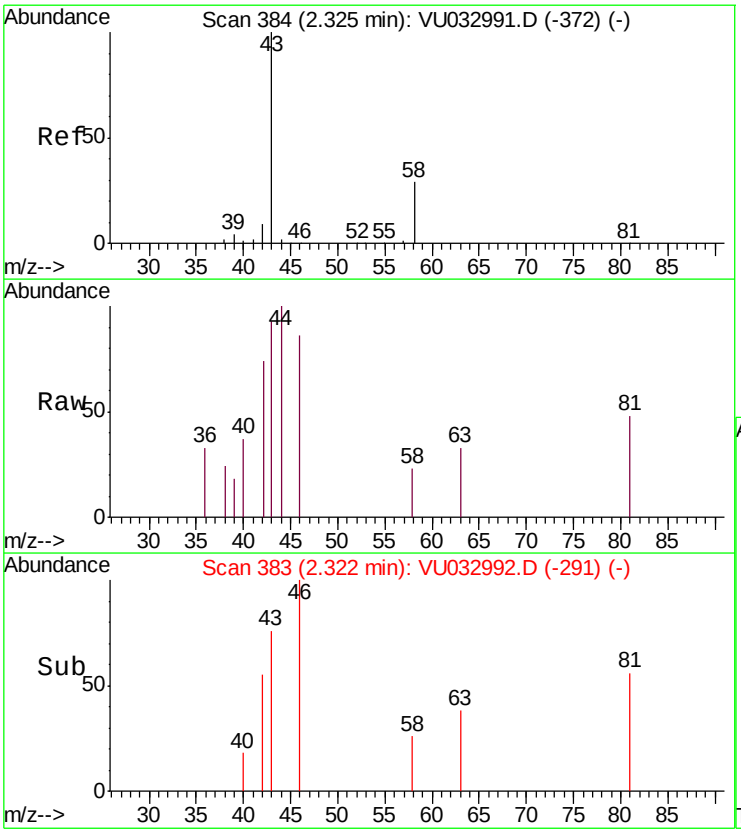

#12
1,1-Dichloroethene
Concen: 0.656 ug/L
RT: 2.26 min Scan# 365
Delta R.T. -0.01 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK39

Tgt Ion: 96 Resp: 852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1499.6 | 131.0 | 243.4# |
| 63 | 11633.5 | 101.0 | 187.6# |

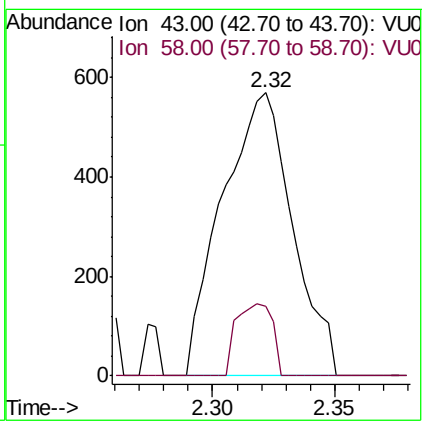


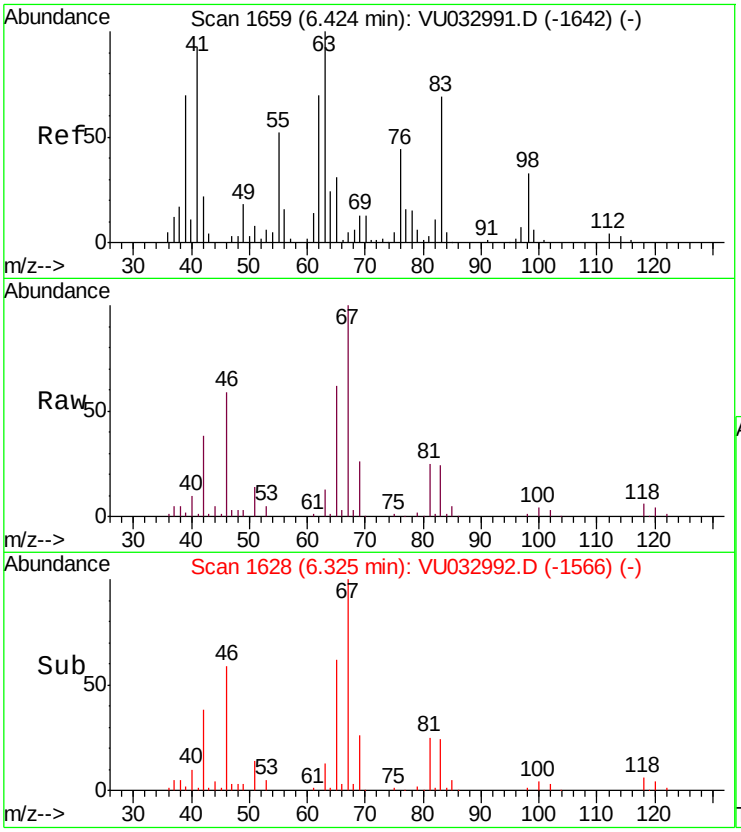




#13
Acetone
Concen: 0.704 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.00 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

Tgt Ion: 43 Resp: 1141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 12.9 | 0.0 | 60.6 |



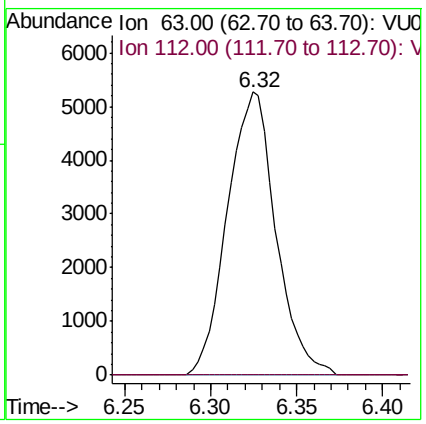


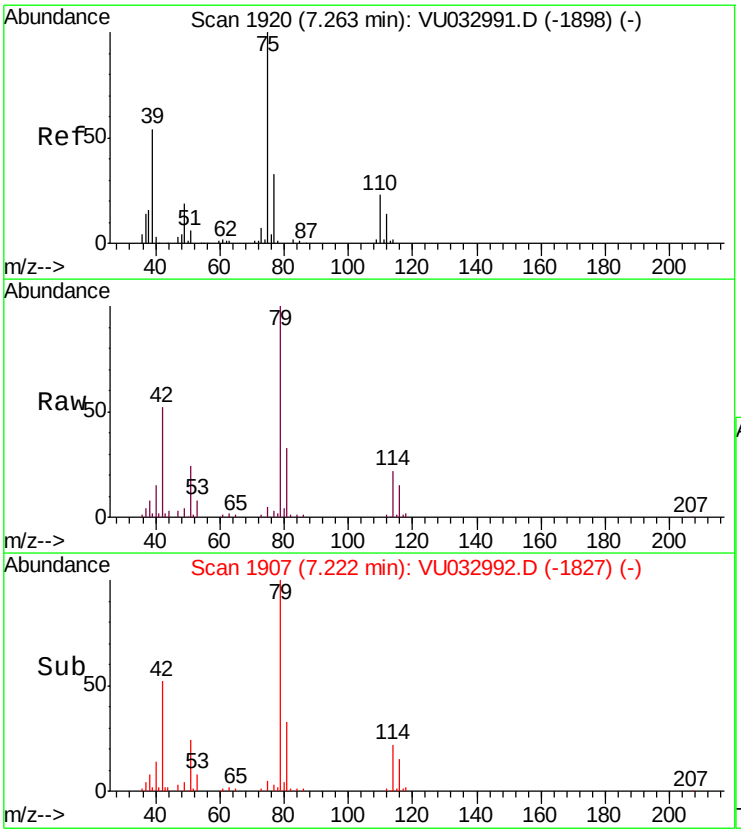

#37
1,2-Dichloropropane
Concen: 6.468 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK39

Tgt Ion: 63 Resp: 10311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.0 | 4.6# |

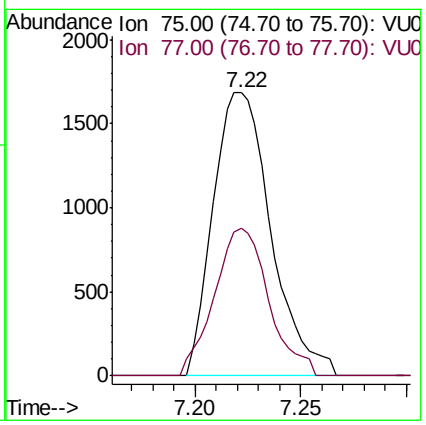


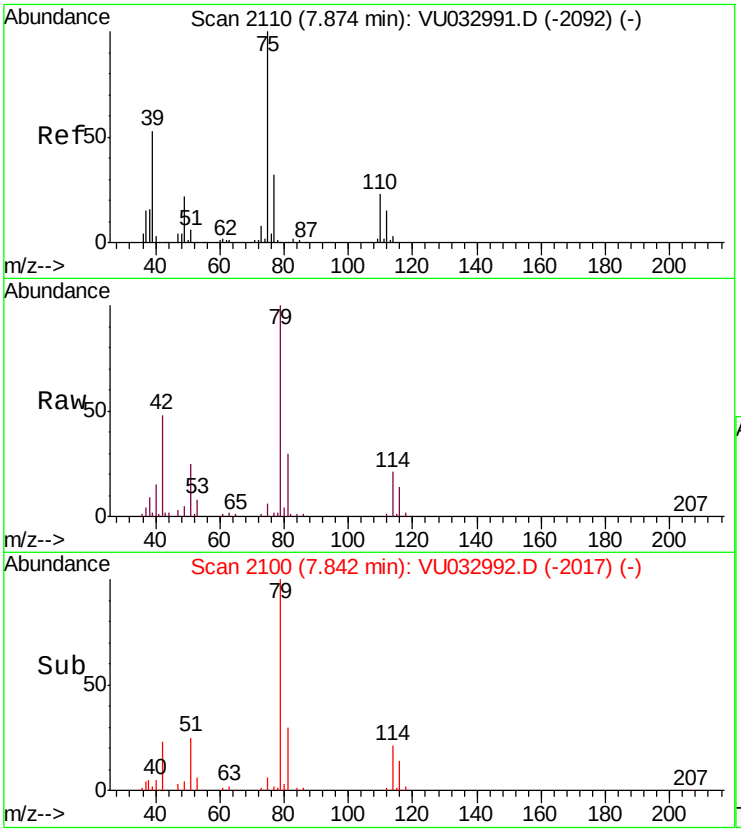




#39
cis-1,3-Dichloropropene
Concen: 1.295 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

Tgt Ion: 75 Resp: 3216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 52.1 | 21.9 | 40.7# |



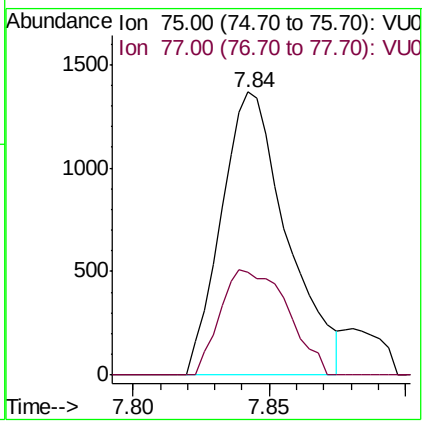


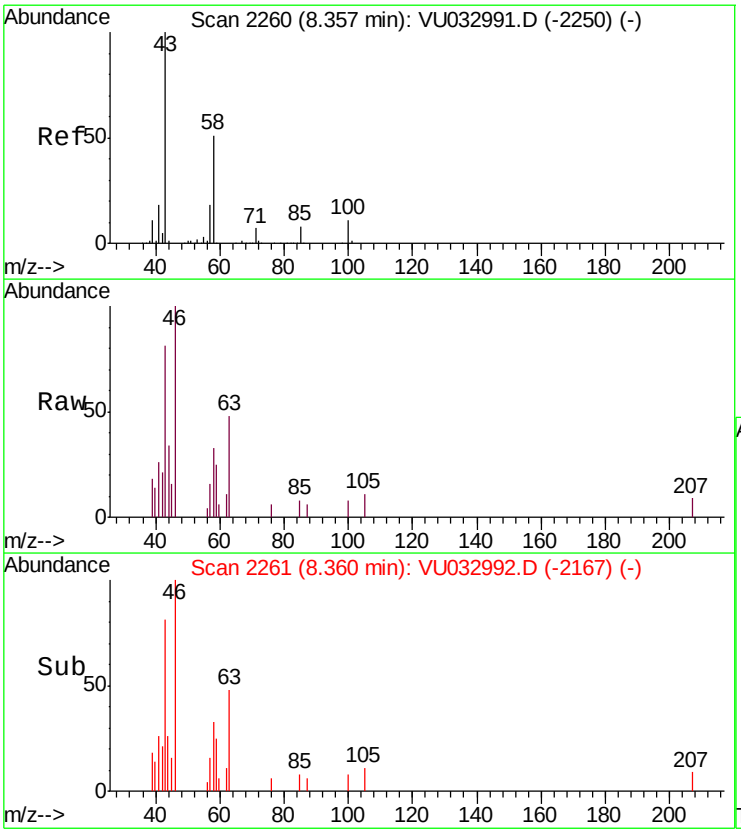

#44
trans-1,3-Dichloropropene
Concen: 0.982 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.03 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK39

Tgt Ion: 75 Resp: 2290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.4 | 21.8 | 40.4 |

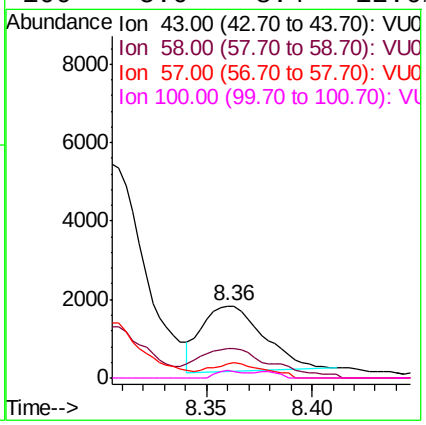


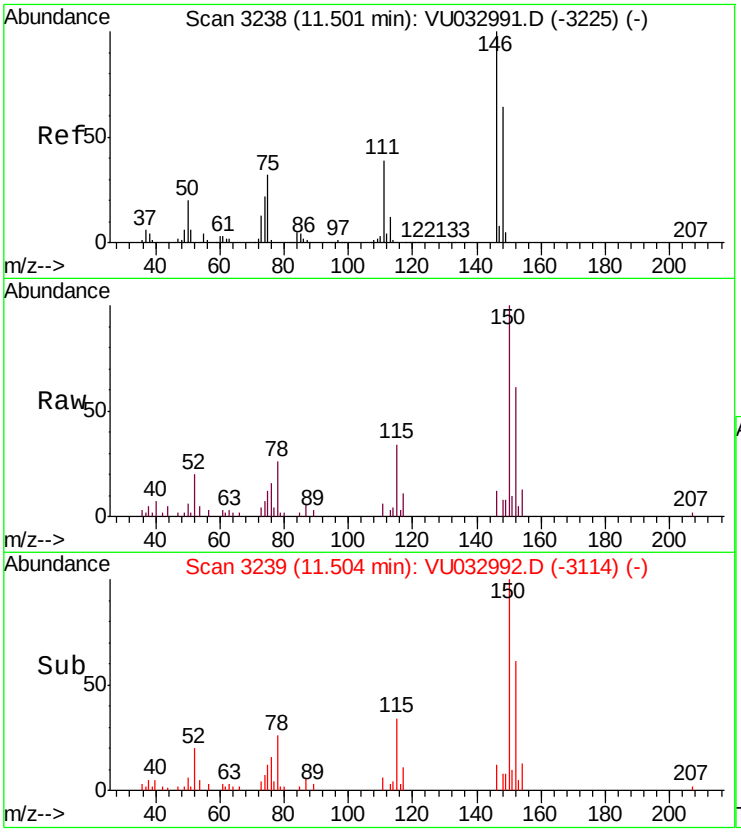




#48
2-Hexanone
Concen: 1.520 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

Tgt Ion: 43 Resp: 3414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.7 | 40.2 | 60.2# |
| 57 | 19.8 | 14.2 | 21.4 |
| 100 | 5.0 | 8.4 | 12.6# |






#63
1,4-Dichlorobenzene
Concen: 0.499 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU032992.D
Acq: 24 Jun 2019 09:23

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK39

Tgt Ion:146 Resp: 1561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 51.1 | 26.9 | 50.1# |
| 148 | 65.5 | 44.7 | 83.1 |