Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\

Quantitation Report (Not Reviewed)

Data File : VU034685.D
Acq On : 20 Sep 2019 13:47
Operator : JC/SP
Sample : K4982-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0AT7

Quant Time: Sep 21 02:32:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 21 02:29:10 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 473101 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 447062 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152 | 193286 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 209284 | 43.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 86.42% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 172802 | 46.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 92.32% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.41 | 63 | 354 | 0.04 | ug/L | 0.15 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 0.08%# | | | |
| 21) 2-Butanone-d5 | 4.15 | 46 | 391418 | 105.45 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 105.45% | | | |
| 24) Chloroform-d | 4.62 | 84 | 344696 | 48.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.90% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.29 | 65 | 253867 | 49.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.10% | | | |
| 32) Benzene-d6 | 5.32 | 84 | 694079 | 50.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.18% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 246788 | 50.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 101.90% | | | |
| 41) Toluene-d8 | 7.54 | 98 | 646684 | 49.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.10% | | | |
| 43) trans-1,3-Dichloropropene- | 7.83 | 79 | 118187 | 50.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 101.90% | | | |
| 47) 2-Hexanone-d5 | 8.29 | 63 | 253903 | 104.38 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 104.38% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 324482 | 48.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 96.56% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.84 | 152 | 206940 | 51.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.12% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.25 | 101 | 2476 | 0.768 | ug/L # | 25 |
| 13) Acetone | 2.31 | 43 | 37508 | 8.686 | ug/L | 100 |
| 33) Benzene | 5.37 | 78 | 24654 | 1.590 | ug/L | 100 |
| 42) Toluene | 7.62 | 91 | 59187 | 3.532 | ug/L | 97 |
| 46) Tetrachloroethene | 8.21 | 164 | 2931 | 1.088 | ug/L | 89 |
| 48) 2-Hexanone | 8.29 | 43 | 34690 | 5.039 | ug/L # | 69 |
| 53) m,p-Xylene | 9.35 | 106 | 9542 | 1.428 | ug/L | 89 |
| 54) o-xylene | 9.76 | 106 | 5907 | 0.894 | ug/L | 85 |

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

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Quantitation Report (Not Reviewed)

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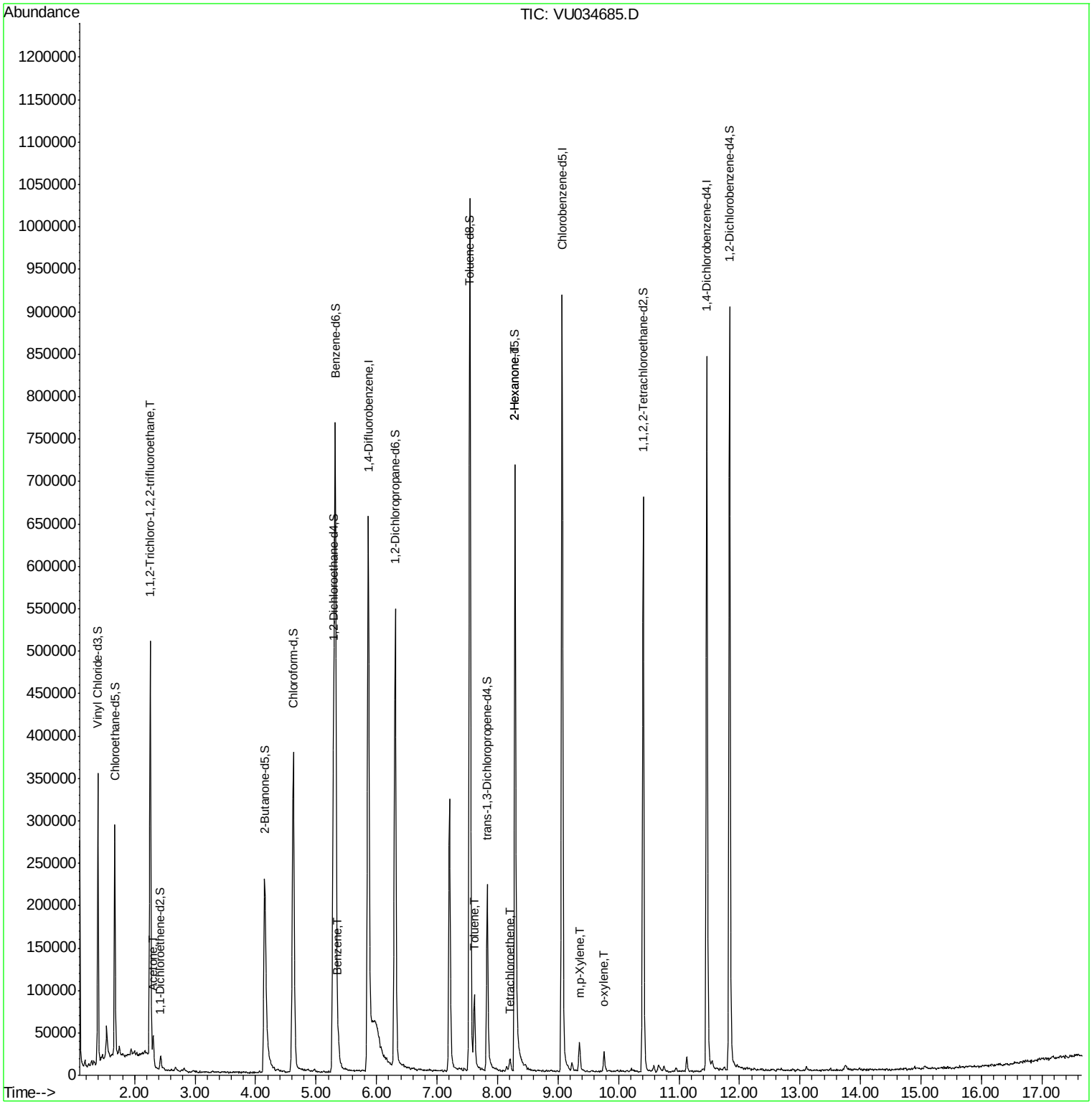
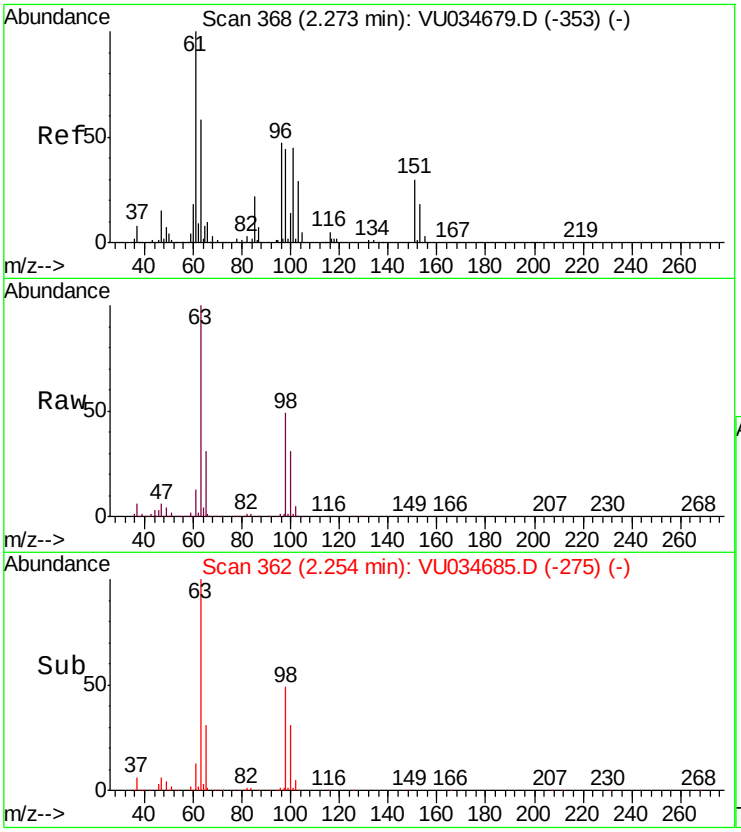
Operator : JC/SP
Sample : K4982-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AT7

Quant Time: Sep 21 02:32:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 21 02:29:10 2019
Response via : Initial Calibration



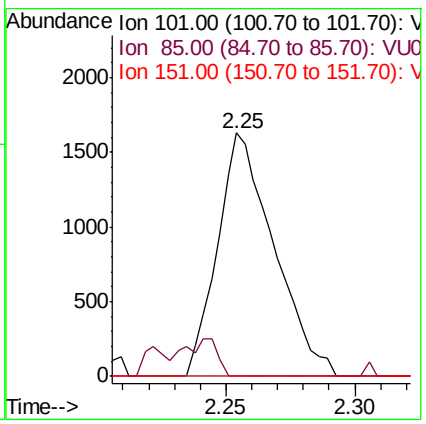


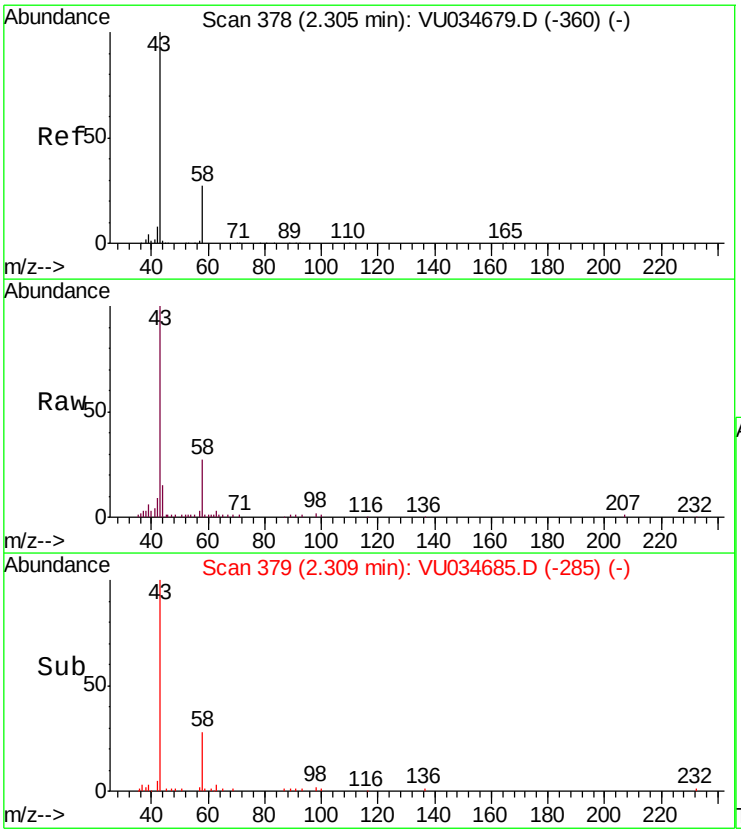

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.768 ug/L
RT: 2.25 min Scan# 362
Delta R.T. -0.02 min
Lab File: VU034685.D
Acq: 20 Sep 2019 13:47

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AT7

Tgt Ion:101 Resp: 2476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 4.8 | 39.0 | 58.4# |
| 151 | 0.0 | 52.8 | 79.2# |

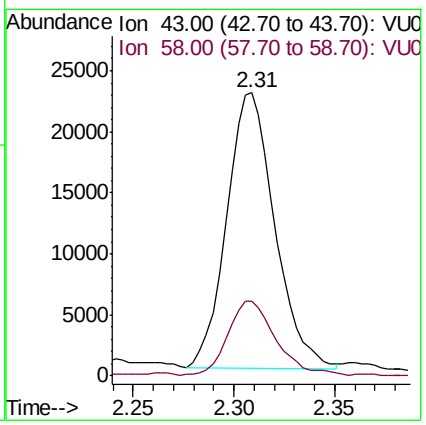


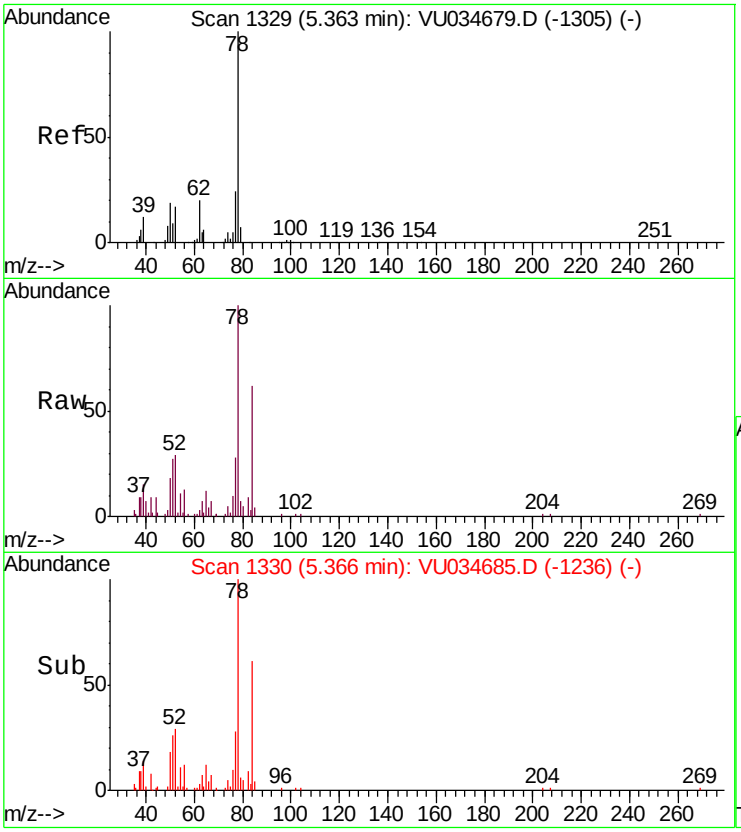




#13
Acetone
Concen: 8.686 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034685.D
Acq: 20 Sep 2019 13:47

Tgt Ion: 43 Resp: 37508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 0.0 | 53.4 |

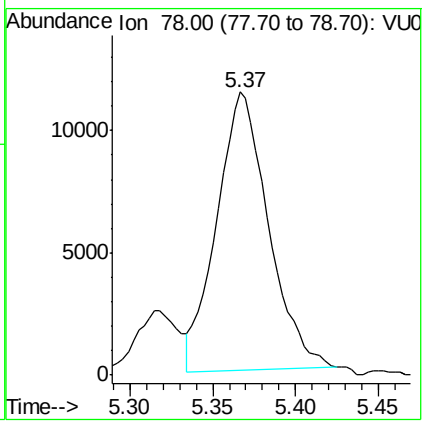


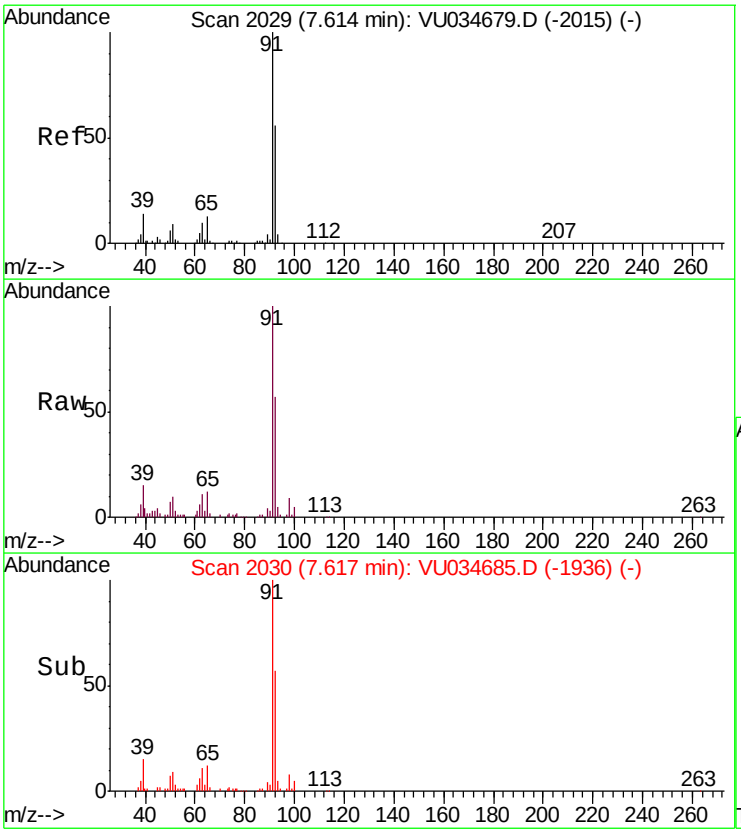



#33
Benzene
Concen: 1.590 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034685.D
Acq: 20 Sep 2019 13:47

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AT7

Tgt Ion: 78 Resp: 24654

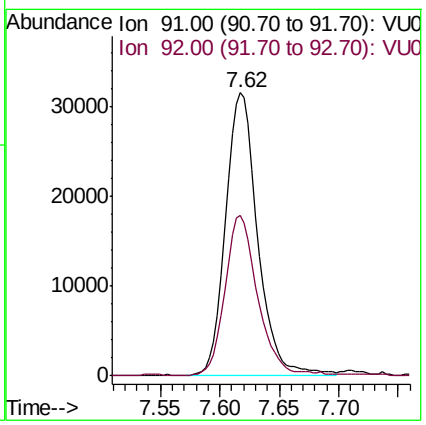


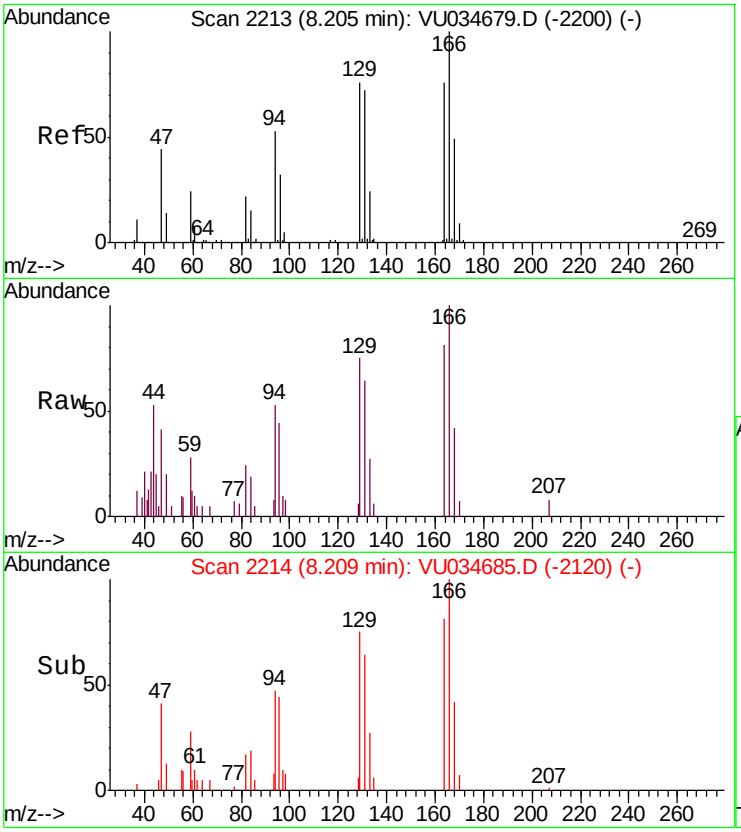




#42
Toluene
Concen: 3.532 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034685.D
Acq: 20 Sep 2019 13:47

Tgt Ion: 91 Resp: 59187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.6 | 38.2 | 71.0 |



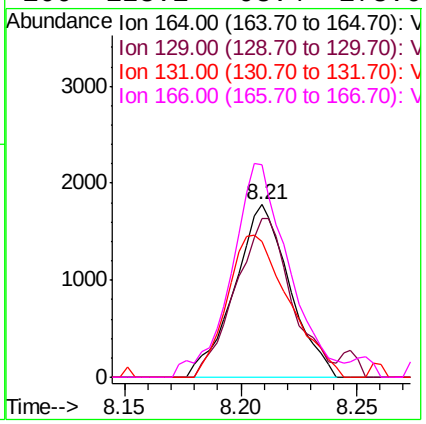


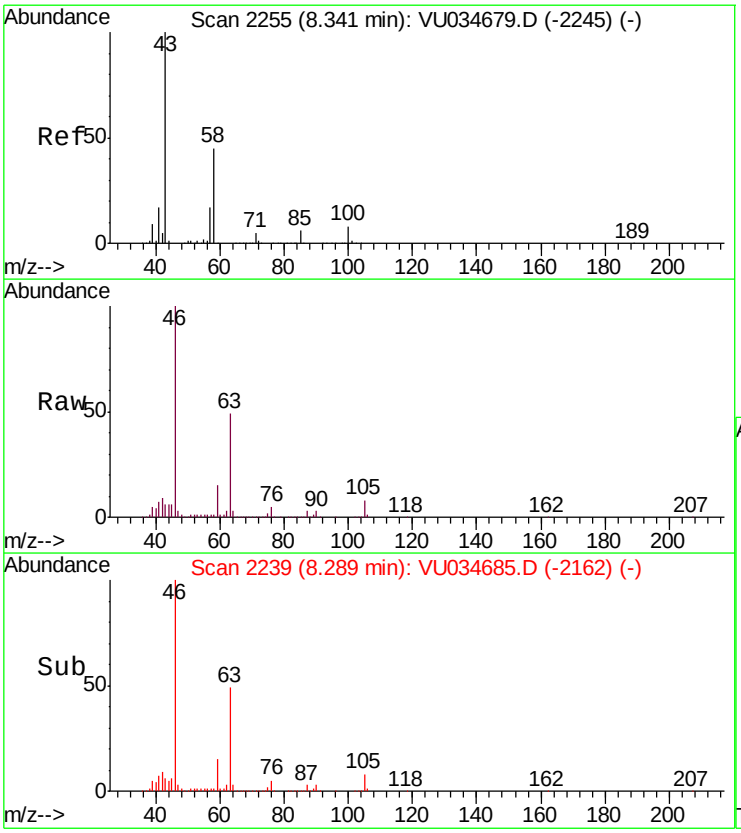

#46
Tetrachloroethene
Concen: 1.088 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034685.D
Acq: 20 Sep 2019 13:47

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AT7

Tgt Ion:164 Resp: 2931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 92.2 | 71.9 | 133.5 |
| 131 | 79.0 | 66.3 | 123.1 |
| 166 | 123.1 | 93.4 | 173.6 |

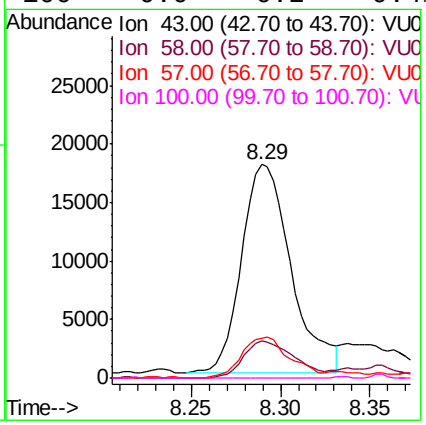


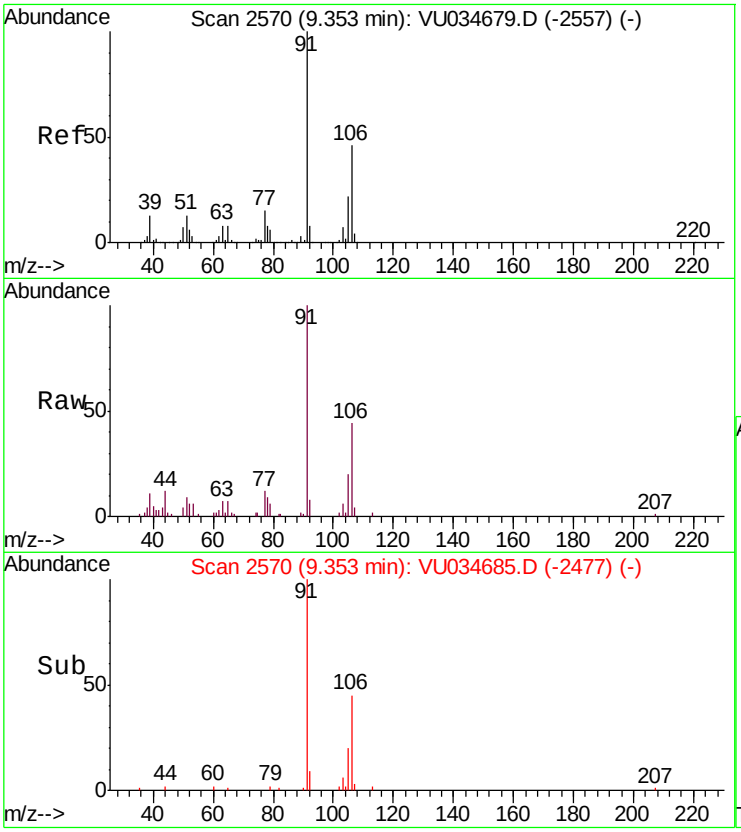




#48
2-Hexanone
Concen: 5.039 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.05 min
Lab File: VU034685.D
Acq: 20 Sep 2019 13:47

Tgt Ion: 43 Resp: 34690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 18.0 | 35.3 | 52.9# |
| 57 | 18.9 | 12.1 | 18.1# |
| 100 | 0.0 | 6.2 | 9.4# |



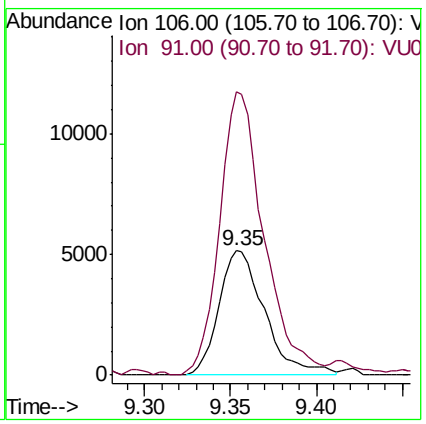


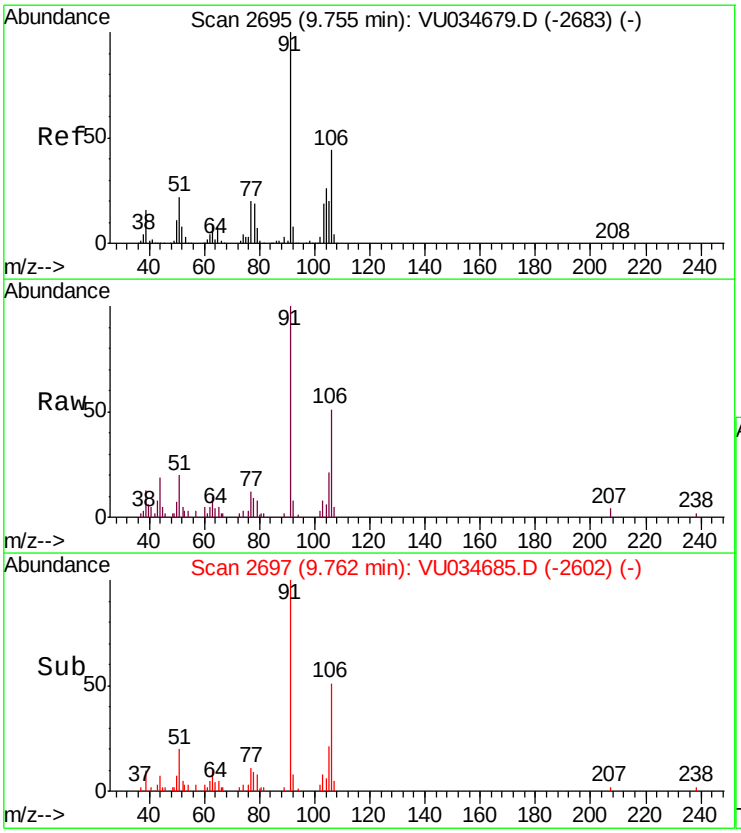

#53
m,p-Xylene
Concen: 1.428 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034685.D
Acq: 20 Sep 2019 13:47

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AT7

Tgt Ion:106 Resp: 9542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 227.3 | 146.9 | 272.7 |




#54
o-xylene
Concen: 0.894 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.01 min
Lab File: VU034685.D
Acq: 20 Sep 2019 13:47

Tgt Ion:106 Resp: 5907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 197.9 | 155.6 | 289.0 |