Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\

Quantitation Report (Not Reviewed)

Data File : VU027855.D
Acq On : 29 Oct 2018 14:54
Operator : MD/SY
Sample : J5635-26ME
Misc : 5.64g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** A40G2ME

Quant Time: Oct 30 02:31:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 30 02:27:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 221622 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 219427 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 123189 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 71089 | 41.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 82.46% | | | |
| 7) Chloroethane-d5 | 1.64 | 69 | 56051 | 42.22 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 84.44% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.23 | 63 | 98792 | 31.81 | ug/L | -0.05 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 63.62% | | | |
| 21) 2-Butanone-d5 | 4.20 | 46 | 139533 | 94.95 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 94.95% | | | |
| 24) Chloroform-d | 4.64 | 84 | 133748 | 43.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 86.30% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 98964 | 46.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.20% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 266583 | 42.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 85.32% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 96969 | 43.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 86.92% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 252243 | 43.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 87.52% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 47823 | 44.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 88.28% | | | |
| 47) 2-Hexanone-d5 | 8.33 | 63 | 116665 | 102.18 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 102.18% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44 | 84 | 145912 | 50.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 101.30% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 113590 | 45.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 90.04% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.23 | 101 | 768 | 0.582 | ug/L # | 18 |
| 12) 1,1-Dichloroethene | 2.23 | 96 | 712 | 0.577 | ug/L # | 1 |
| 35) Methylcyclohexane | 6.33 | 83 | 21347 | 7.553 | ug/L # | 14 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 10200 | 5.289 | ug/L # | 90 |
| 39) cis-1,3-Dichloropropene | 7.23 | 75 | 2681 | 0.903 | ug/L # | 74 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 2117 | 0.754 | ug/L | 92 |
| 48) 2-Hexanone | 8.33 | 43 | 14168 | 5.894 | ug/L # | 68 |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 21497 | 9.431 | ug/L | 92 |
| 62) 1,3-Dichlorobenzene | 11.42 | 146 | 2846 | 0.770 | ug/L | 89 |
| 63) 1,4-Dichlorobenzene | 11.51 | 146 | 18418 | 4.890 | ug/L | 93 |

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

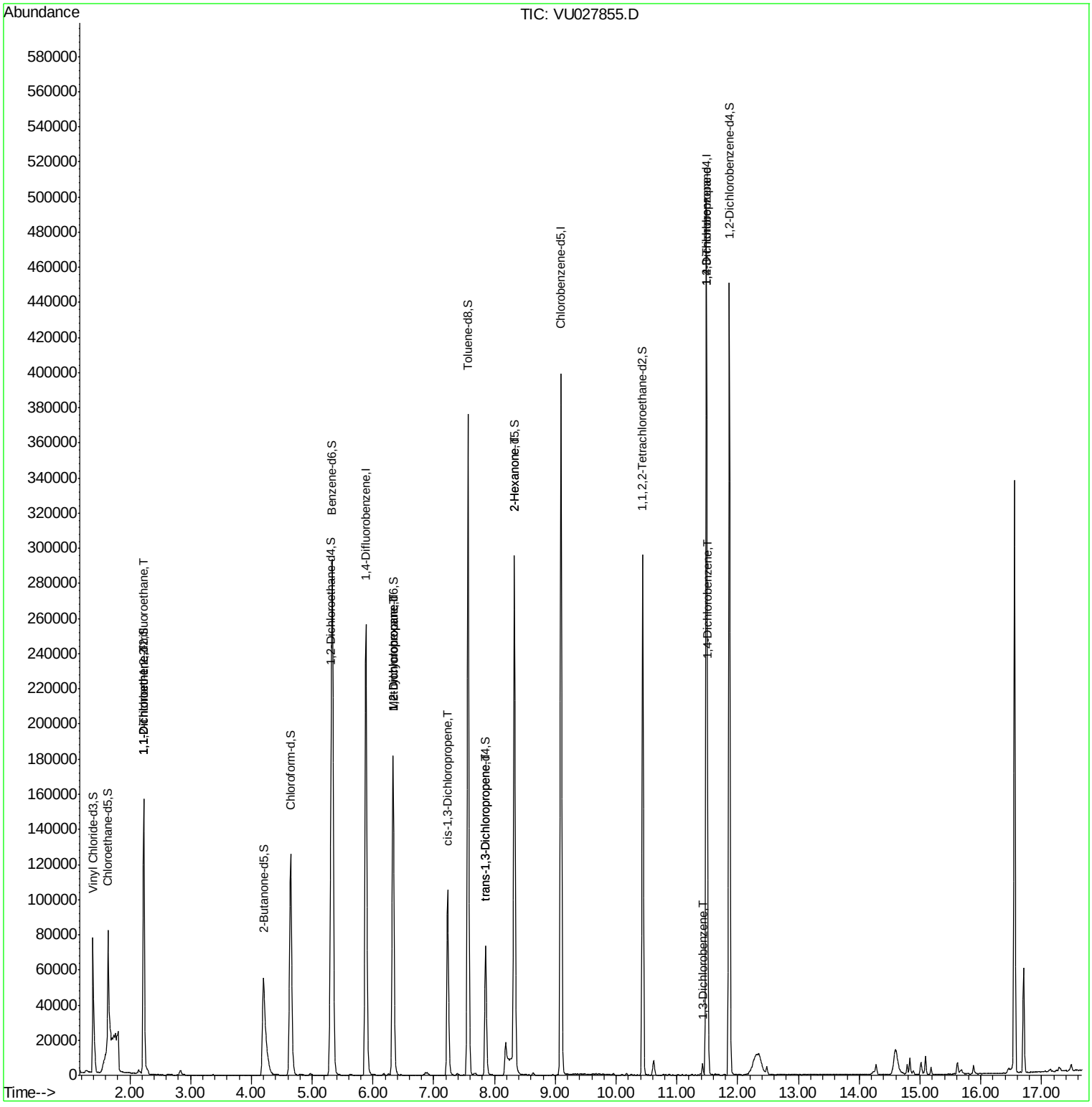
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\

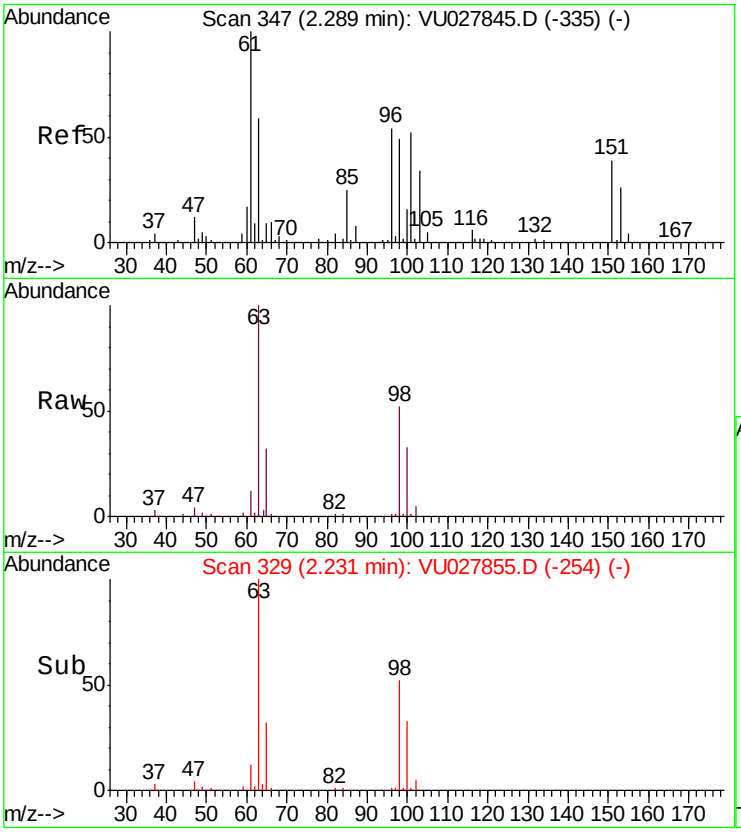
Quantitation Report (Not Reviewed)

Data File : VU027855.D
Acq On : 29 Oct 2018 14:54
Operator : MD/SY
Sample : J5635-26ME
Misc : 5.64g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** A40G2ME

Quant Time: Oct 30 02:31:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 30 02:27:31 2018
Response via : Initial Calibration



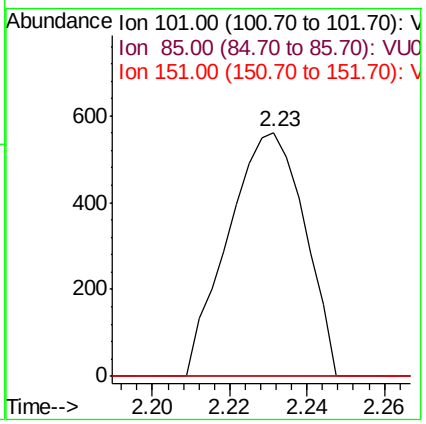


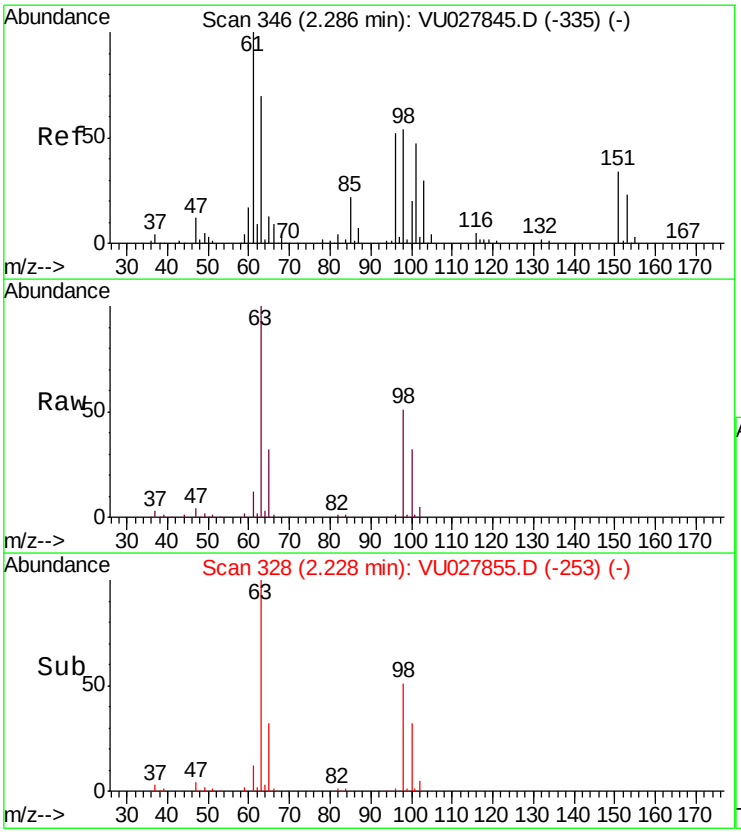

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.582 ug/L
RT: 2.23 min Scan# 329
Delta R.T. -0.06 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

**Instrument :**
MSVOA_U
**ClientSampleId :**
A40G2ME

Tgt Ion:101 Resp: 768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 36.7 | 55.1# |
| 151 | 0.0 | 62.0 | 93.0# |

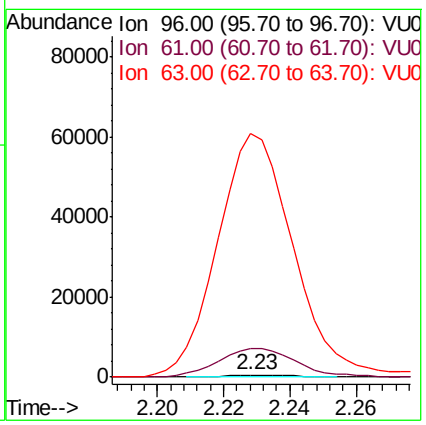


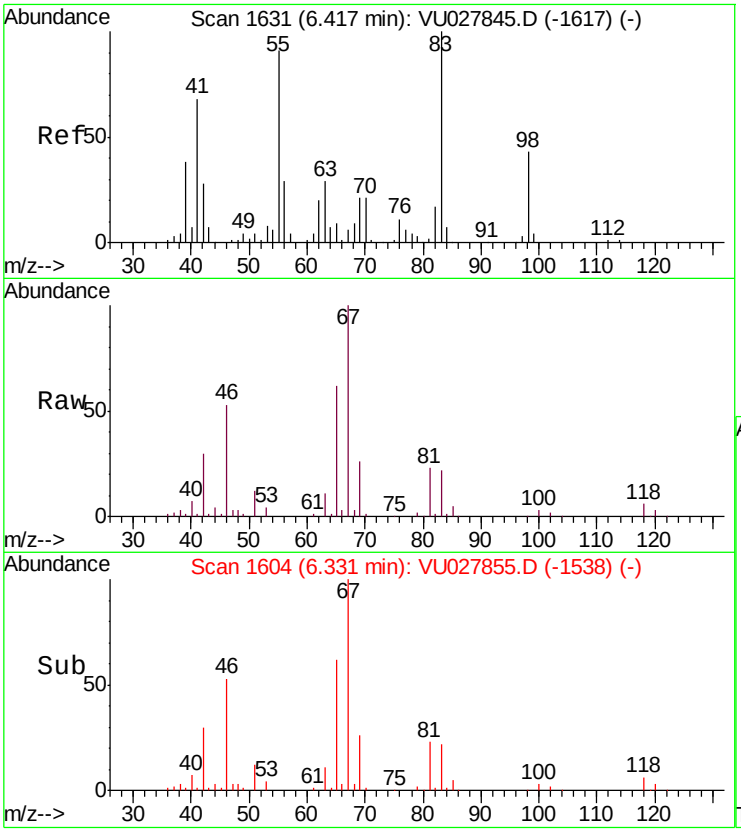




#12
1,1-Dichloroethene
Concen: 0.577 ug/L
RT: 2.23 min Scan# 328
Delta R.T. -0.06 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

Tgt Ion: 96 Resp: 712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1456.1 | 137.3 | 255.1# |
| 63 | 12327.1 | 109.8 | 204.0# |



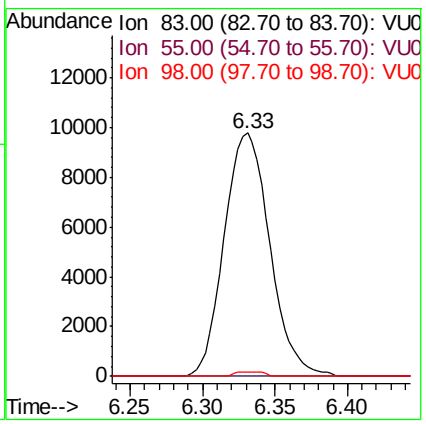


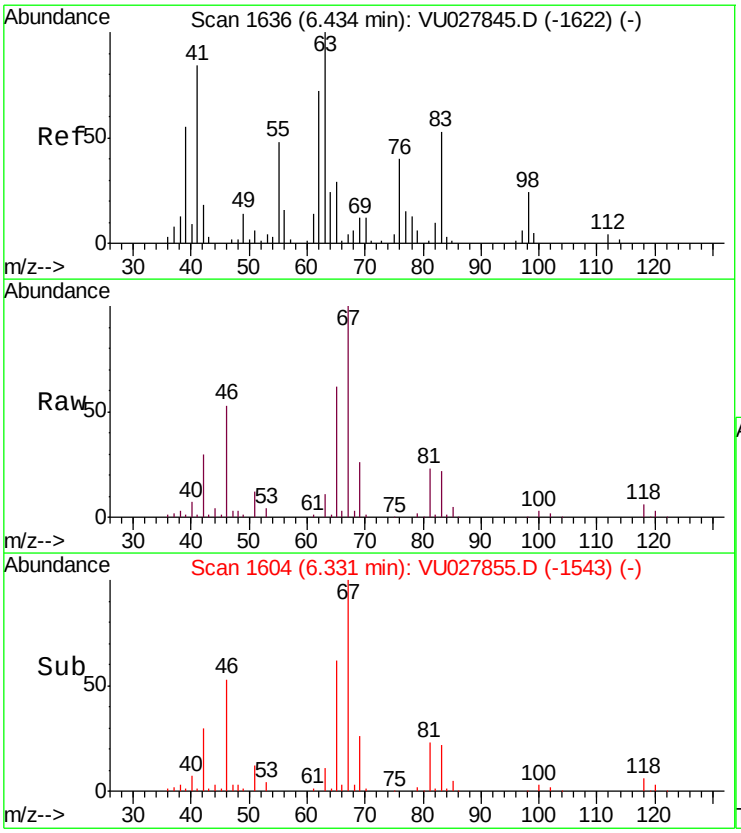

#35
Methylcyclohexane
Concen: 7.553 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

**Instrument :**
MSVOA_U
**ClientSampleId :**
A40G2ME

Tgt Ion: 83 Resp: 21347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 71.9 | 107.9# |
| 98 | 1.1 | 34.6 | 52.0# |

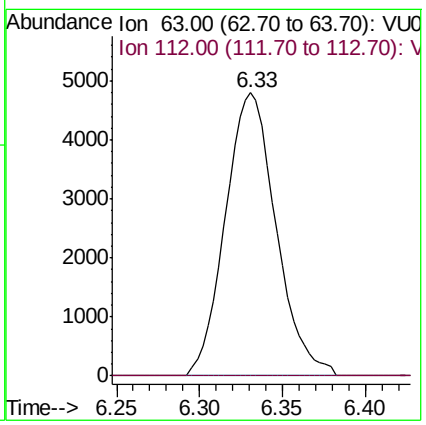


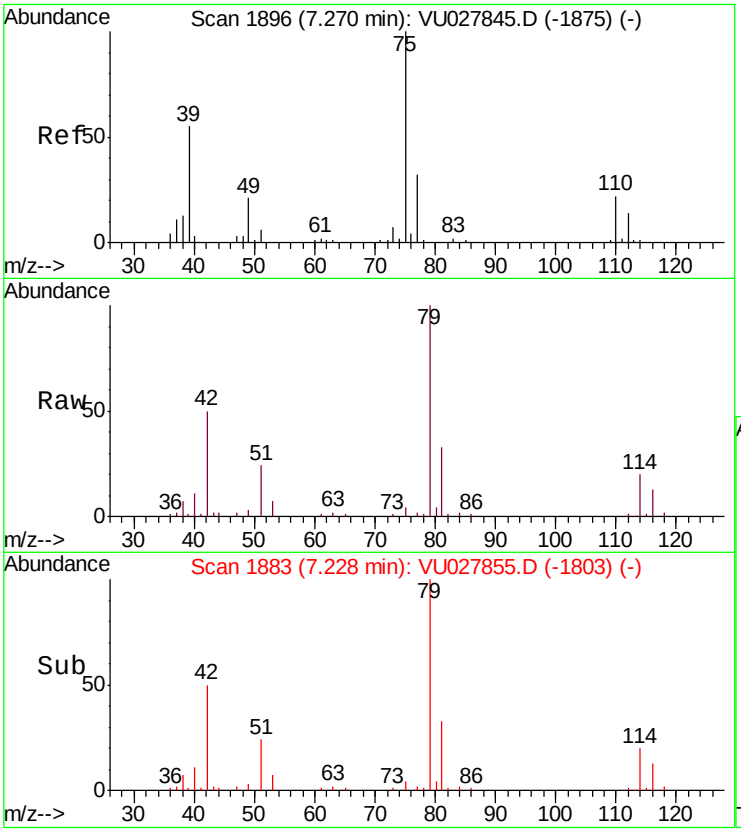




#37
1,2-Dichloropropane
Concen: 5.289 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

Tgt Ion: 63 Resp: 10200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 2.6 | 3.8# |



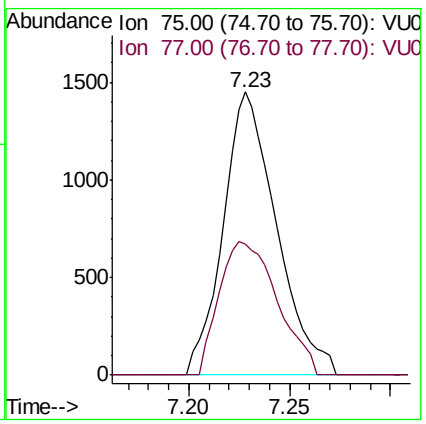


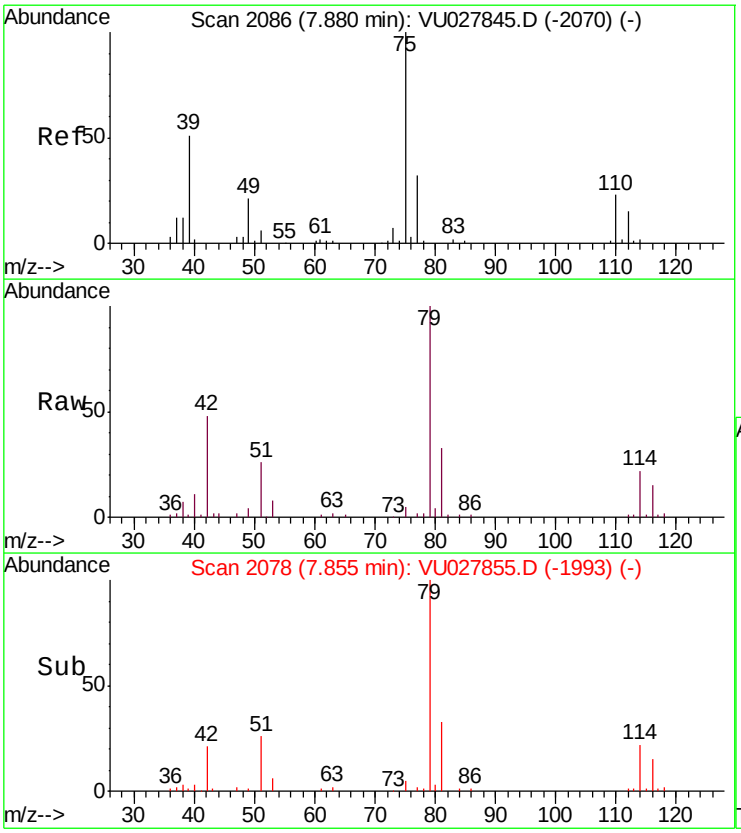

#39
cis-1,3-Dichloropropene
Concen: 0.903 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

**Instrument :**
MSVOA_U
**ClientSampleId :**
A40G2ME

Tgt Ion: 75 Resp: 2681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 46.5 | 22.5 | 41.7# |

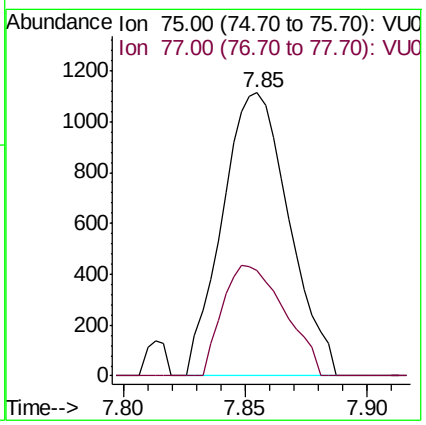


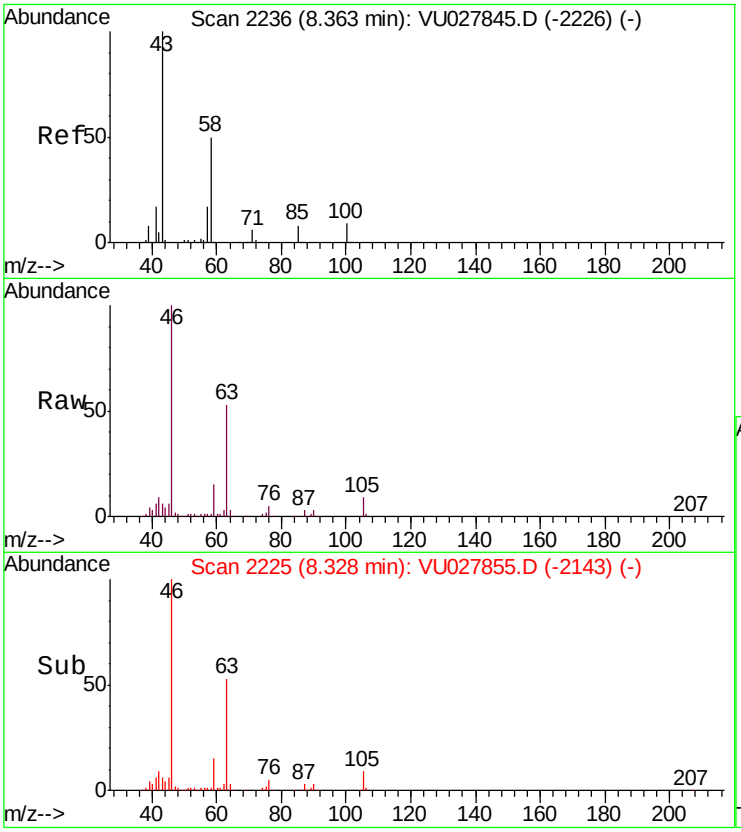




#44
trans-1,3-Dichloropropene
Concen: 0.754 ug/L
RT: 7.85 min Scan# 2078
Delta R.T. -0.03 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

Tgt Ion: 75 Resp: 2117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.1 | 22.8 | 42.4 |



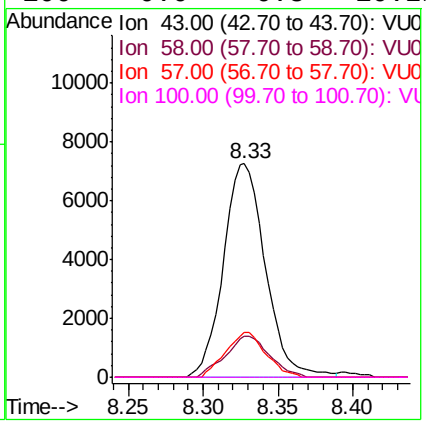


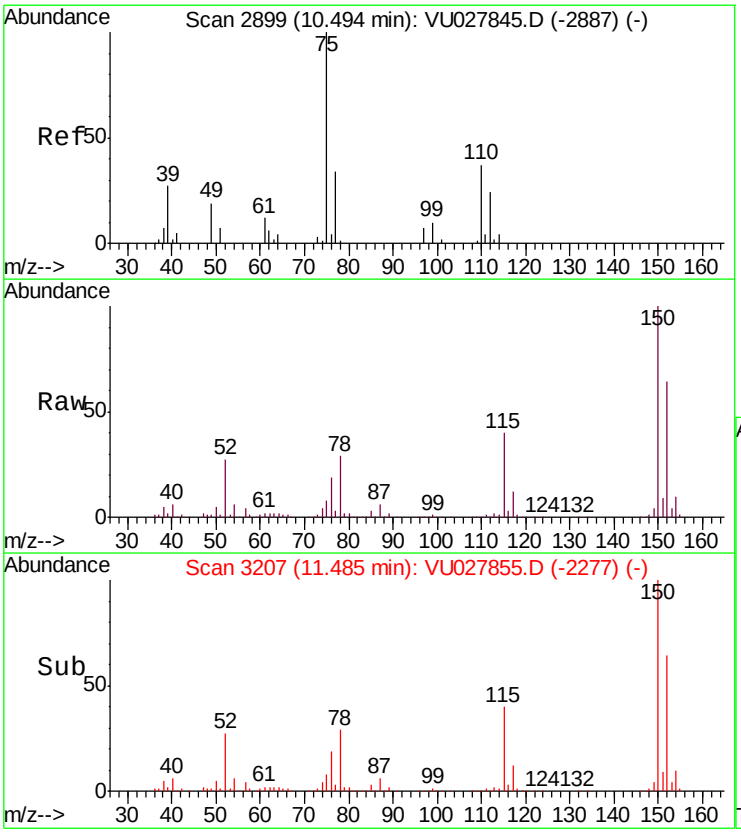

#48
2-Hexanone
Concen: 5.894 ug/L
RT: 8.33 min Scan# 2225
Delta R.T. -0.04 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

**Instrument :**
MSVOA_U
**ClientSampleId :**
A40G2ME

Tgt Ion: 43 Resp: 14168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 20.2 | 38.8 | 58.2# |
| 57 | 20.0 | 13.1 | 19.7# |
| 100 | 0.0 | 6.8 | 10.2# |

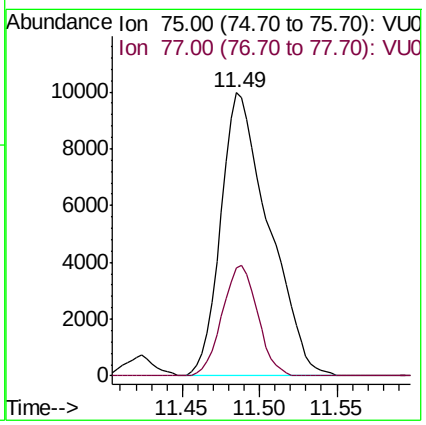


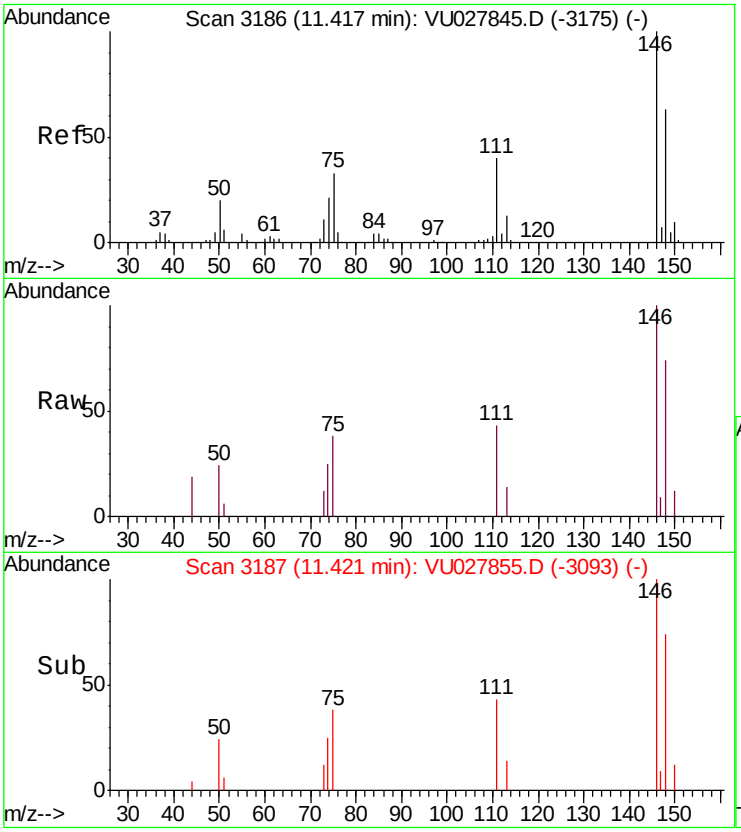




#59
1,2,3-Trichloropropane
Concen: 9.431 ug/L
RT: 11.49 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

Tgt Ion: 75 Resp: 21497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 28.6 | 26.5 | 39.7 |



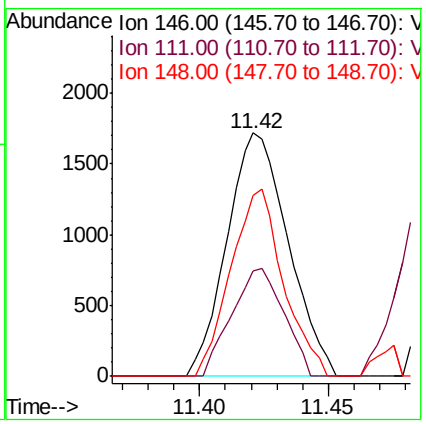


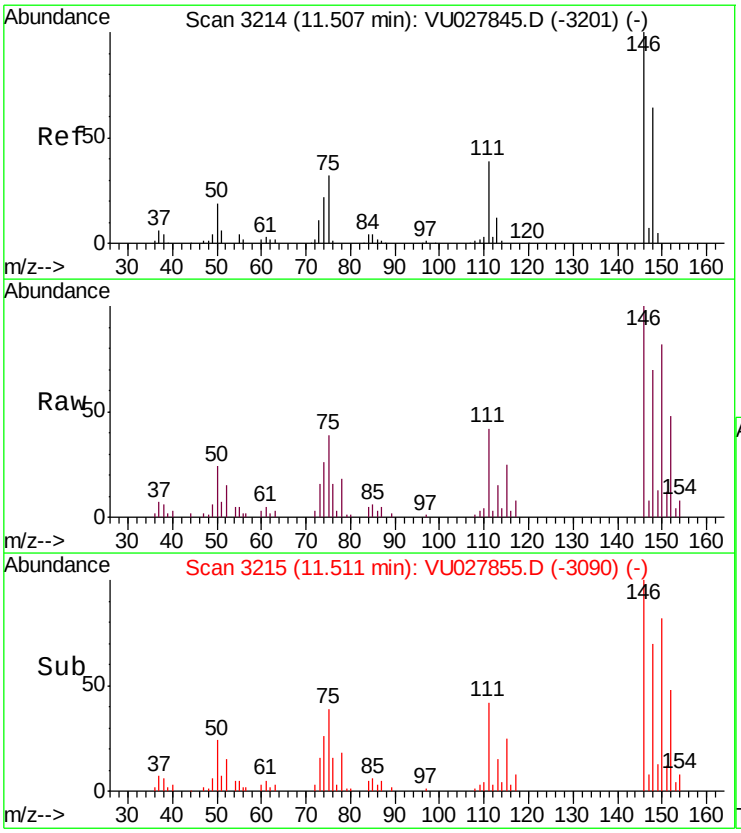

#62
1,3-Dichlorobenzene
Concen: 0.770 ug/L
RT: 11.42 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

**Instrument :**
MSVOA_U
**ClientSampleId :**
A40G2ME

Tgt Ion:146 Resp: 2846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 28.1 | 52.3 |
| 148 | 74.1 | 43.7 | 81.1 |




#63
1,4-Dichlorobenzene
Concen: 4.890 ug/L
RT: 11.51 min Scan# 3215
Delta R.T. 0.00 min
Lab File: VU027855.D
Acq: 29 Oct 2018 14:54

Tgt Ion:146 Resp: 18418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 27.5 | 51.1 |
| 148 | 69.9 | 44.1 | 81.9 |