Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\

Quantitation Report (Not Reviewed)

Data File : VU026955.D
Acq On : 20 Sep 2018 23:59
Operator : MD/SY
Sample : J5012-12 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q1

Quant Time: Sep 21 06:04:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 228637 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 201011 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 75657 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 80582 | 47.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 95.28% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 71541 | 49.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 98.84% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 110851 | 34.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 69.28% | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 125919 | 112.19 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 112.19% | | | |
| 24) Chloroform-d | 4.65 | 84 | 148340 | 47.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.56% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 96988 | 49.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.20% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 296490 | 52.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 105.26% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 99177 | 54.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 109.28% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 242545 | 47.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 95.32% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 40193 | 49.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 99.20% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 89031 | 124.80 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 124.80% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 135833 | 53.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 107.34% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 94107 | 59.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 119.58% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 1001 | 0.634 | ug/L # | 18 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 900 | 0.607 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 766 | 0.694 | ug/L | 62 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 10383 | 6.065 | ug/L # | 86 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 2200 | 0.910 | ug/L # | 72 |
| 42) Toluene | 7.64 | 91 | 2547 | 0.404 | ug/L | 95 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1607 | 0.710 | ug/L | 97 |
| 48) 2-Hexanone | 8.31 | 43 | 10060 | 6.131 | ug/L # | 68 |
| 51) Chlorobenzene | 9.12 | 112 | 17746 | 4.147 | ug/L | 97 |
| 63) 1,4-Dichlorobenzene | 11.51 | 146 | 12202 | 4.805 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.88 | 146 | 10553 | 4.132 | ug/L # | 95 |

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

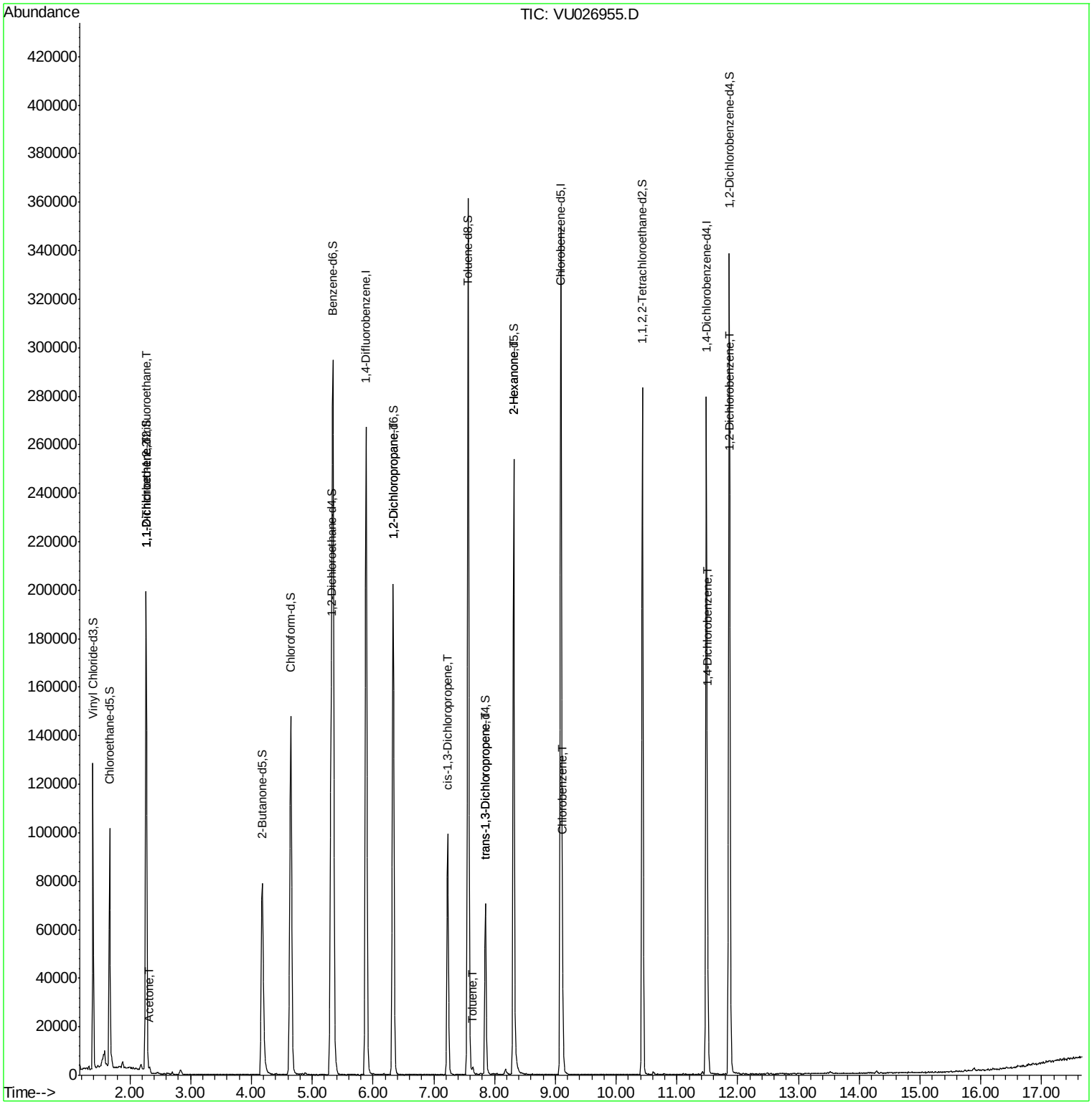
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\

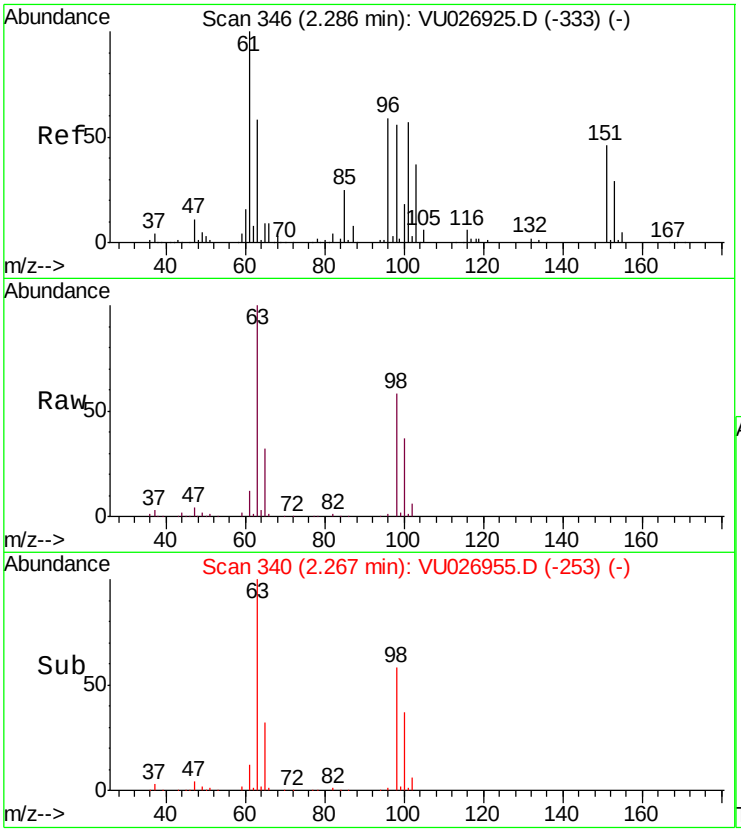
Quantitation Report (Not Reviewed)

Data File : VU026955.D
Acq On : 20 Sep 2018 23:59
Operator : MD/SY
Sample : J5012-12 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q1

Quant Time: Sep 21 06:04:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration



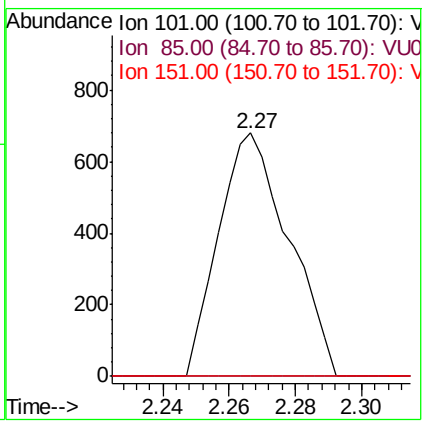


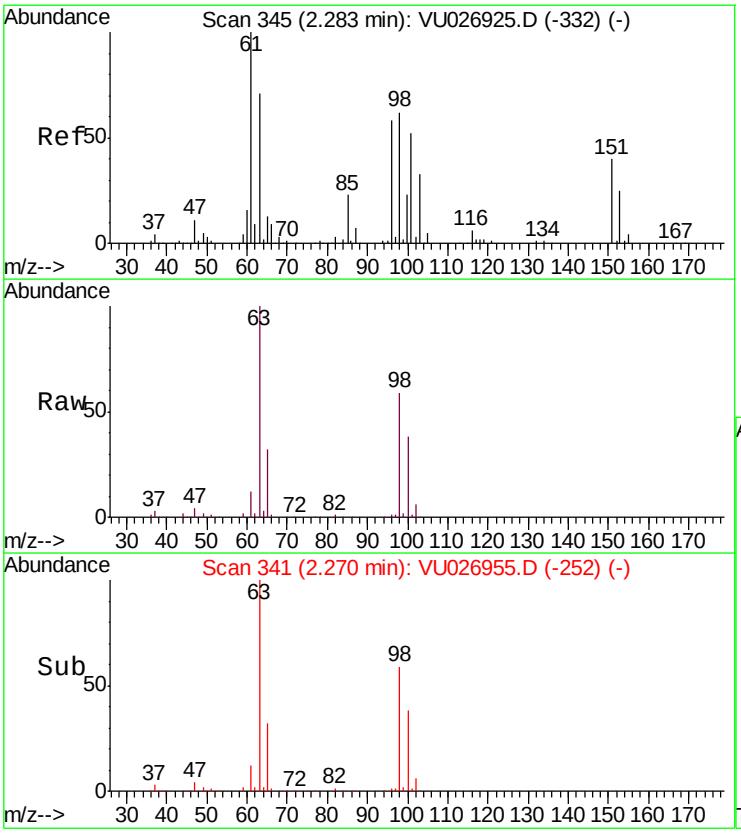

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.634 ug/L
RT: 2.27 min Scan# 340
Delta R.T. -0.02 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q1

Tgt Ion:101 Resp: 1001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 34.6 | 52.0# |
| 151 | 0.0 | 63.0 | 94.4# |

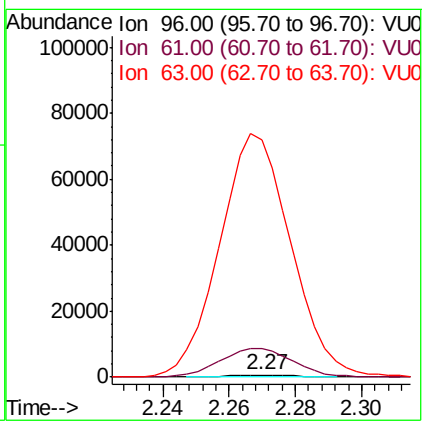


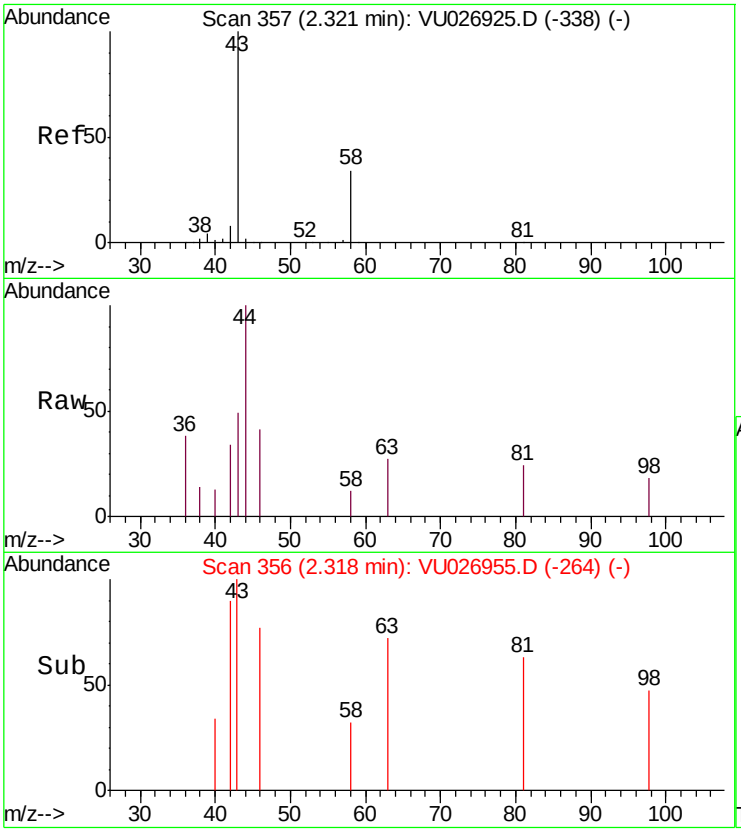




#12
1,1-Dichloroethene
Concen: 0.607 ug/L
RT: 2.27 min Scan# 341
Delta R.T. -0.01 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

Tgt Ion: 96 Resp: 900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1356.9 | 124.0 | 230.4# |
| 63 | 11441.7 | 97.7 | 181.5# |



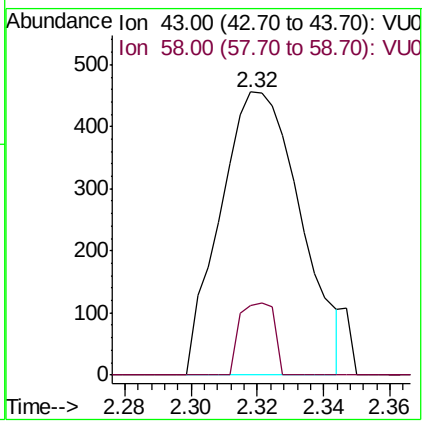


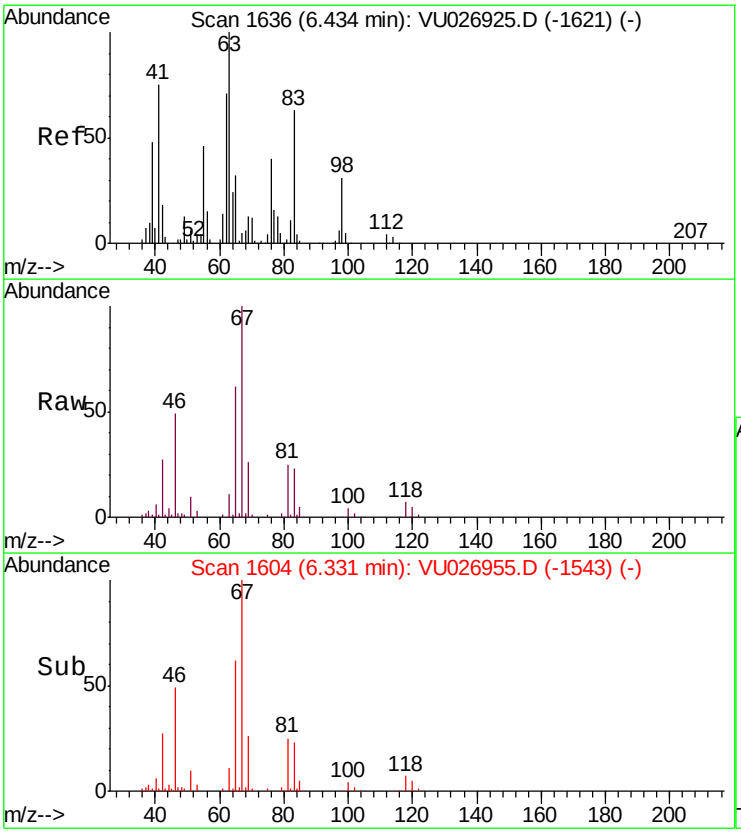

#13
Acetone
Concen: 0.694 ug/L
RT: 2.32 min Scan# 356
Delta R.T. -0.00 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q1

Tgt Ion: 43 Resp: 766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.0 | 0.0 | 64.6 |

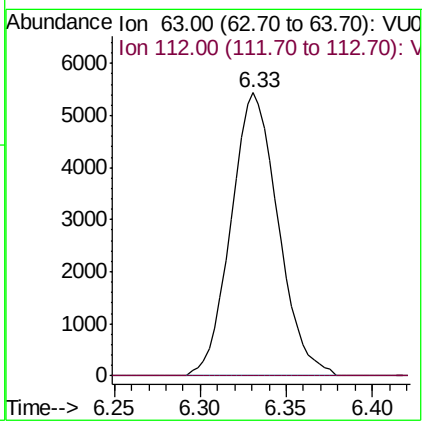


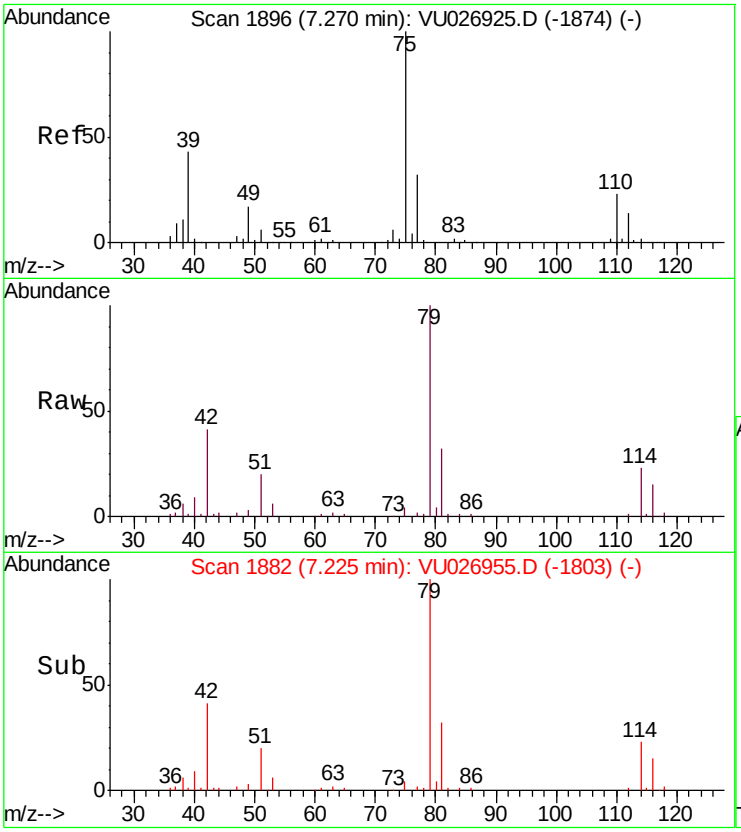




#37
1,2-Dichloropropane
Concen: 6.065 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

Tgt Ion: 63 Resp: 10383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.7 | 5.5# |



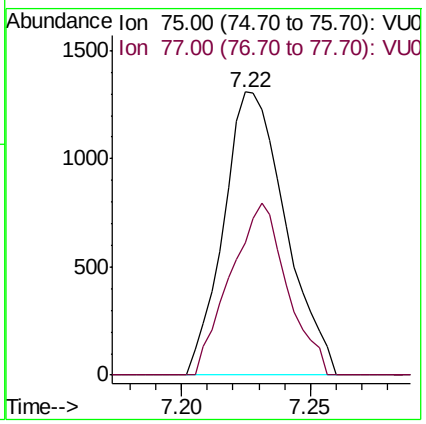


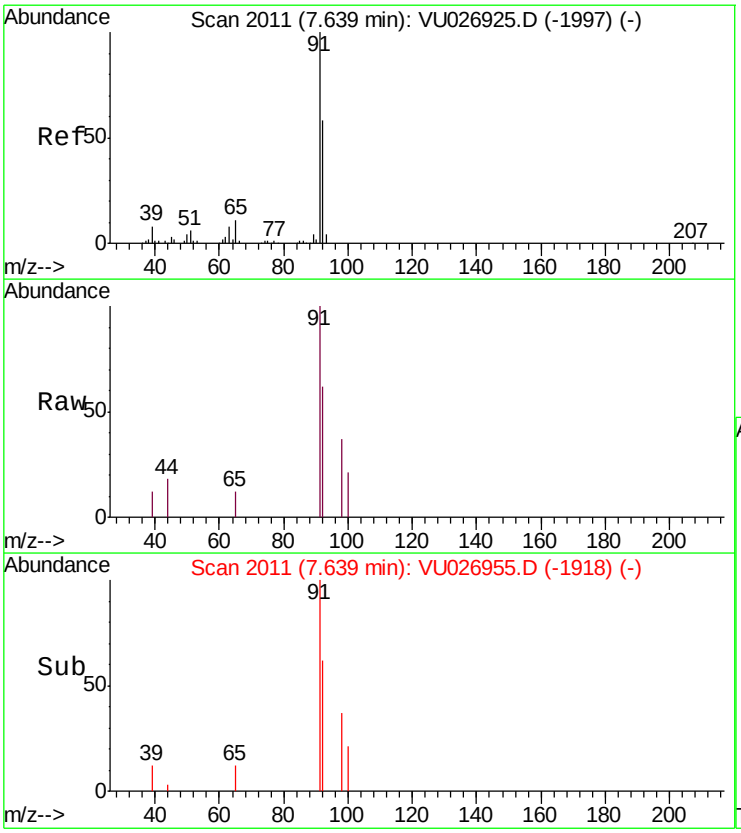

#39
cis-1,3-Dichloropropene
Concen: 0.910 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q1

Tgt Ion: 75 Resp: 2200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 46.9 | 22.1 | 41.1# |

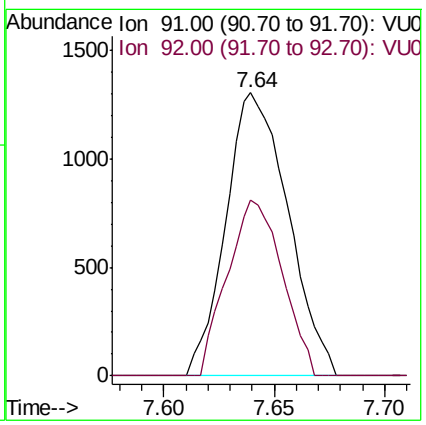


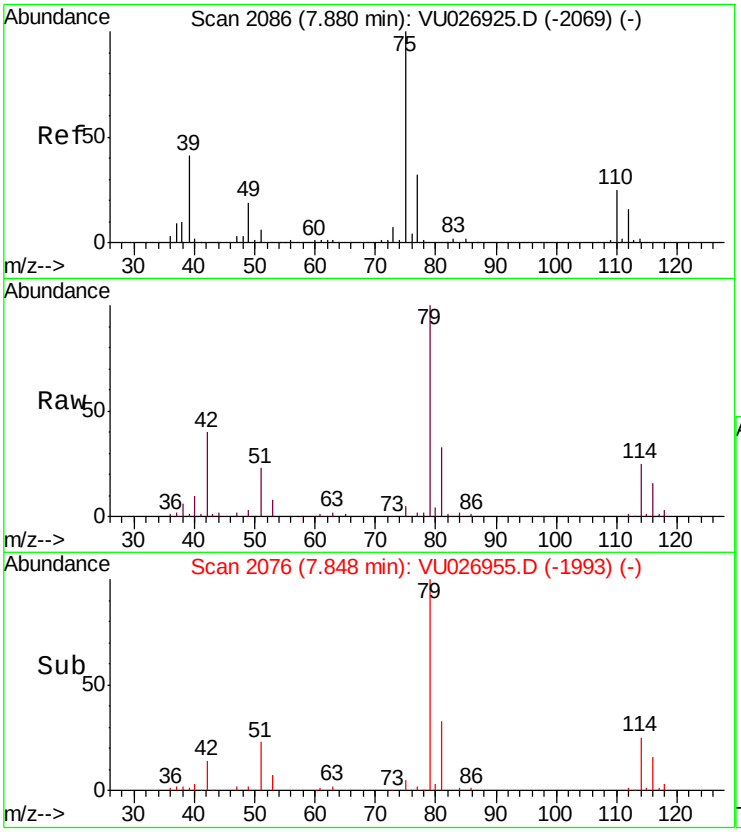




#42
Toluene
Concen: 0.404 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

Tgt Ion: 91 Resp: 2547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 62.1 | 40.9 | 76.0 |



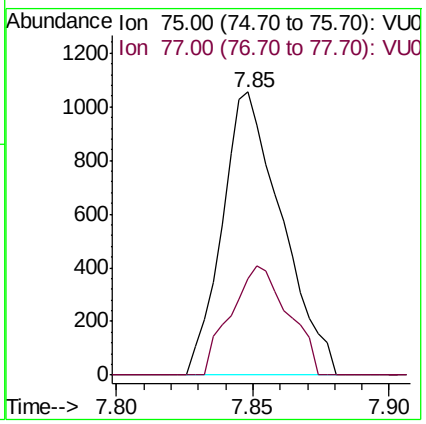


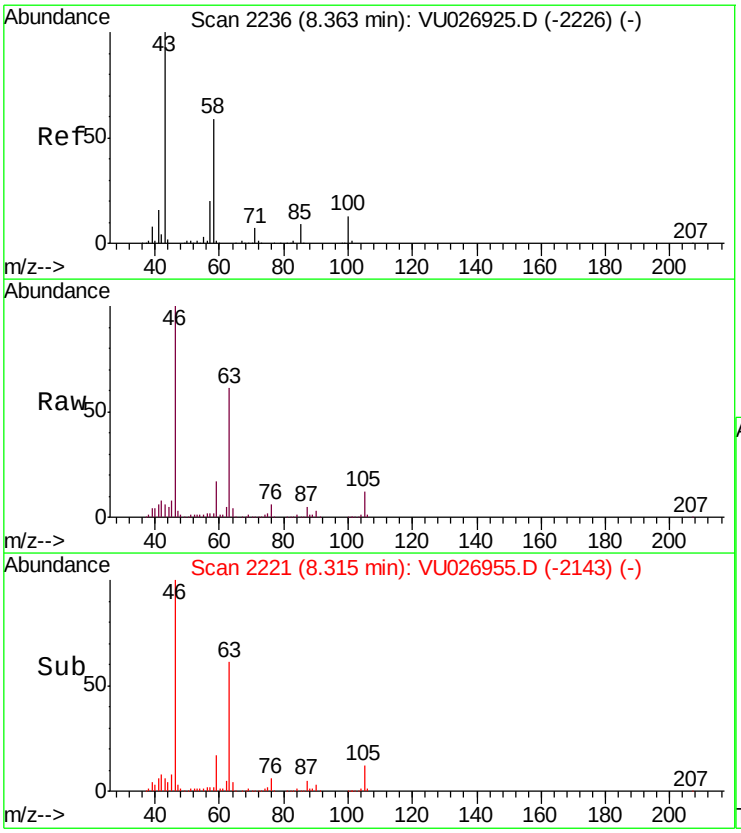

#44
trans-1,3-Dichloropropene
Concen: 0.710 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q1

Tgt Ion: 75 Resp: 1607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.0 | 22.8 | 42.4 |

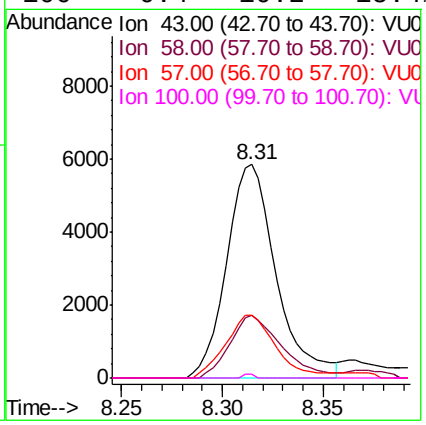


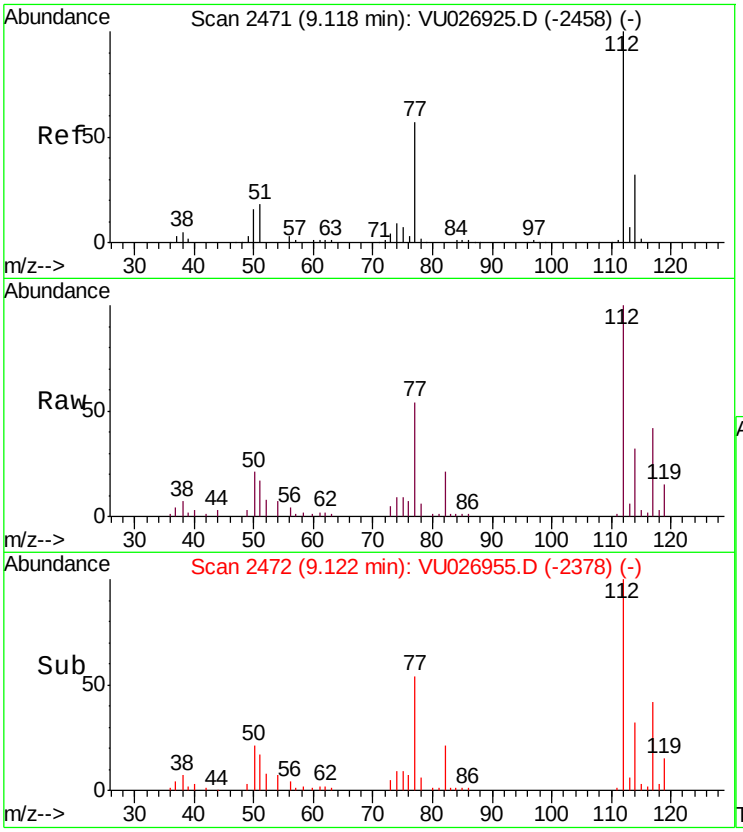




#48
2-Hexanone
Concen: 6.131 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

Tgt Ion: 43 Resp: 10060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 44.9 | 67.3# |
| 57 | 29.6 | 15.4 | 23.2# |
| 100 | 0.4 | 10.2 | 15.4# |



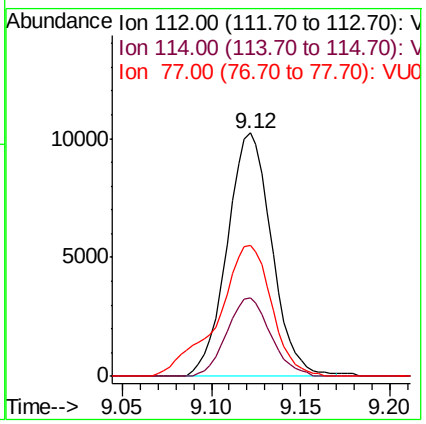


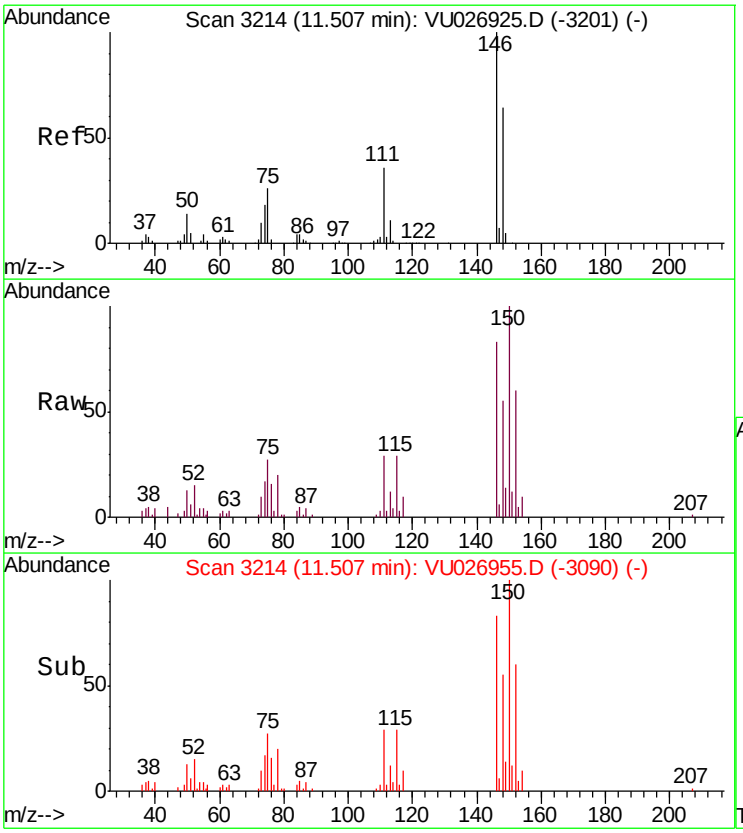

#51
Chlorobenzene
Concen: 4.147 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q1

Tgt Ion:112 Resp: 17746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 22.3 | 41.5 |
| 77 | 53.6 | 45.1 | 67.7 |

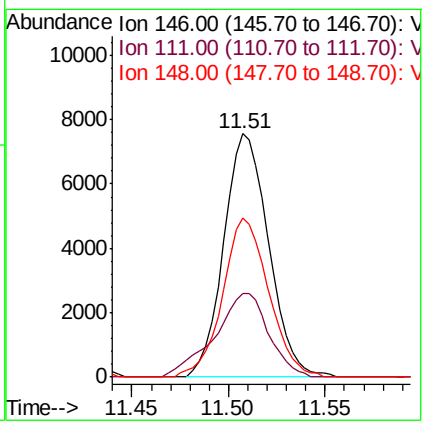


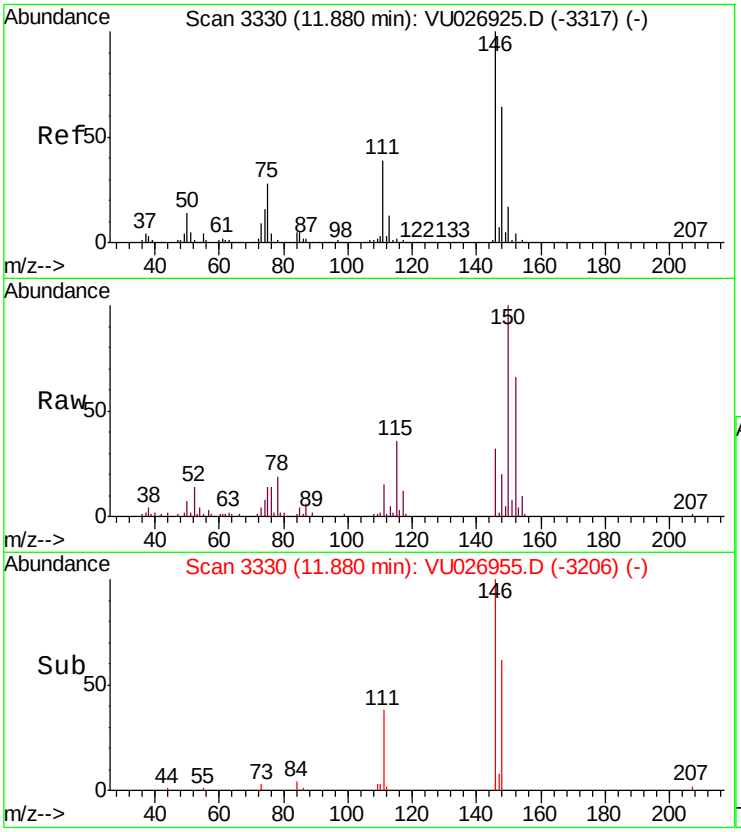




#63
1,4-Dichlorobenzene
Concen: 4.805 ug/L
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

Tgt Ion:146 Resp: 12202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 34.3 | 26.0 | 48.2 |
| 148 | 65.3 | 45.8 | 85.2 |






#65
1,2-Dichlorobenzene
Concen: 4.132 ug/L
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU026955.D
Acq: 20 Sep 2018 23:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q1

Tgt Ion:146 Resp: 10553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.2 | 31.4 | 47.0# |
| 148 | 64.4 | 51.4 | 77.2 |