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

Quantitation Report (Not Reviewed)

Data File : VU026958.D
Acq On : 21 Sep 2018 01:11
Operator : MD/SY
Sample : J5012-15 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q4

Quant Time: Sep 21 06:05:16 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 | 33537 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 31382 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 10873 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 73228 | 295.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 590.34%# | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 68090 | 320.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 641.32%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 98555 | 209.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 419.90%# | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 123551 | 750.46 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 750.46%# | | | |
| 24) Chloroform-d | 4.65 | 84 | 138312 | 300.56 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 601.12%# | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 92461 | 319.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 638.16%# | | | |
| 32) Benzene-d6 | 5.34 | 84 | 267647 | 304.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 608.66%# | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 91955 | 324.50 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 649.00%# | | | |
| 41) Toluene-d8 | 7.57 | 98 | 207014 | 260.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 521.08%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 36439 | 288.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 576.02%# | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 85255 | 765.50 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 765.50%# | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 130007 | 329.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 658.06%# | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 74936 | 331.30 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 662.60%# | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 3) Chloromethane | 1.32 | 50 | 846 | 2.617 | ug/L | 95 |
| 6) Bromomethane | 1.61 | 94 | 167 | 1.075 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 960 | 4.146 | ug/L # | 18 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 724 | 3.329 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 679 | 4.196 | ug/L | 83 |
| 15) Methyl Acetate | 2.62 | 43 | 418 | 1.491 | ug/L # | 52 |
| 16) Methylene chloride | 2.70 | 84 | 422 | 1.526 | ug/L # | 88 |
| 27) 1,2-Dichloroethane | 5.41 | 62 | 293 | 0.802 | ug/L # | 72 |
| 33) Benzene | 5.34 | 78 | 1960 | 2.014 | ug/L | 100 |
| 35) Methylcyclohexane | 6.33 | 83 | 21225 | 55.769 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 9575 | 35.825 | ug/L # | 86 |
| 39) cis-1,3-Dichloropropene | 7.23 | 75 | 1927 | 5.104 | ug/L # | 55 |
| 40) 4-Methyl-2-pentanone | 7.56 | 43 | 688 | 2.166 | ug/L # | 1 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1355 | 3.833 | ug/L # | 76 |
| 51) Chlorobenzene | 9.12 | 112 | 2739 | 4.100 | ug/L | 93 |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 1683 | 5.257 | ug/L # | 83 |
| 62) 1,3-Dichlorobenzene | 11.42 | 146 | 183 | 0.552 | ug/L # | 25 |

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

Quantitation Report (Not Reviewed)

Data File : VU026958.D
Acq On : 21 Sep 2018 01:11
Operator : MD/SY
Sample : J5012-15 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q4

Quant Time: Sep 21 06:05:16 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) |
|---|---|---|---|---|---|
| 63) 1,4-Dichlorobenzene | 11.51 | 146 | 2105 | 5.767 ug/L | 96 |
| 65) 1,2-Dichlorobenzene | 11.88 | 146 | 2215 | 6.035 ug/L # | 86 |

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

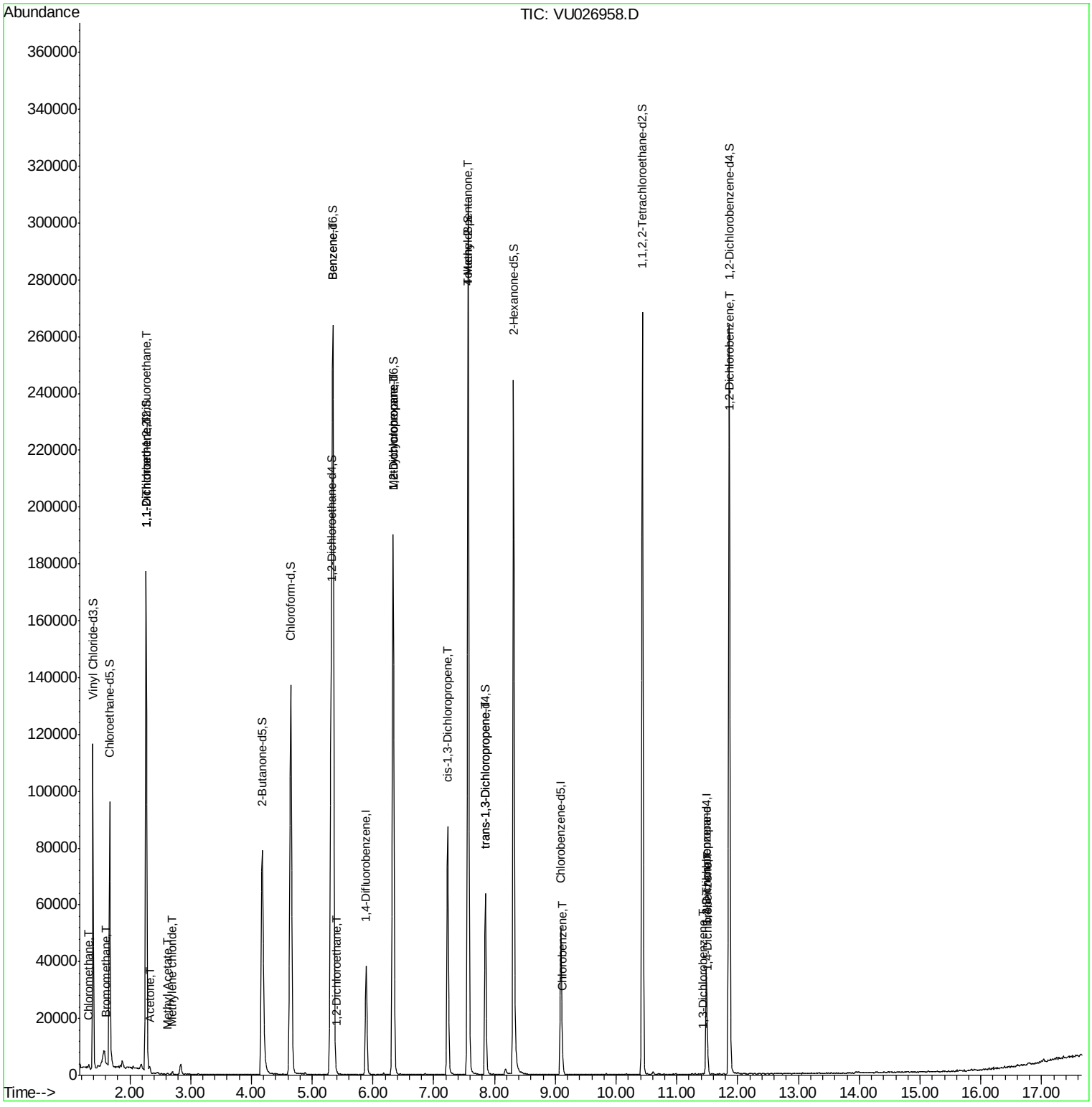
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\

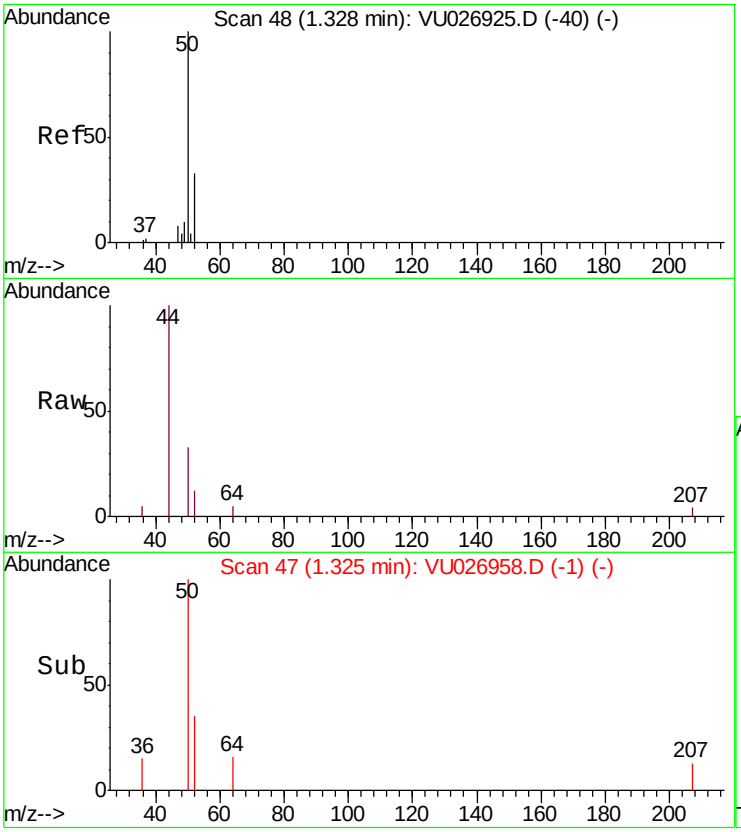
Quantitation Report (Not Reviewed)

Data File : VU026958.D
Acq On : 21 Sep 2018 01:11
Operator : MD/SY
Sample : J5012-15 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q4

Quant Time: Sep 21 06:05:16 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



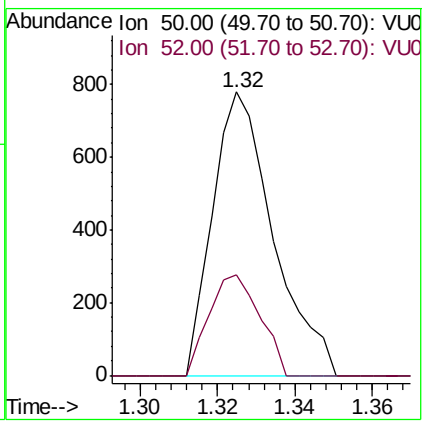


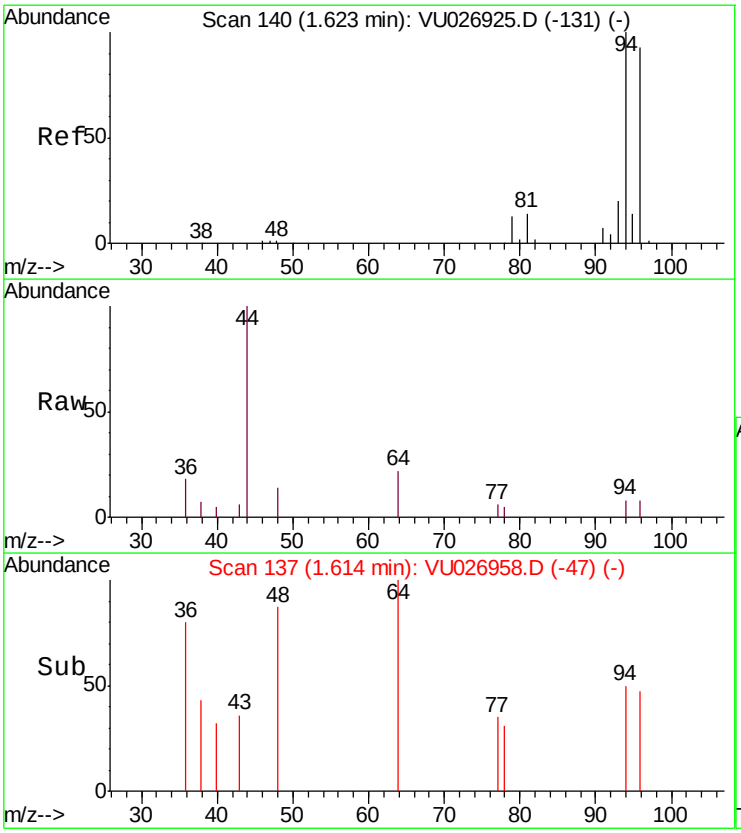

#3
Chloromethane
Concen: 2.617 ug/L
RT: 1.32 min Scan# 47
Delta R.T. -0.00 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q4

Tgt Ion: 50 Resp: 846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.3 | 22.8 | 42.4 |

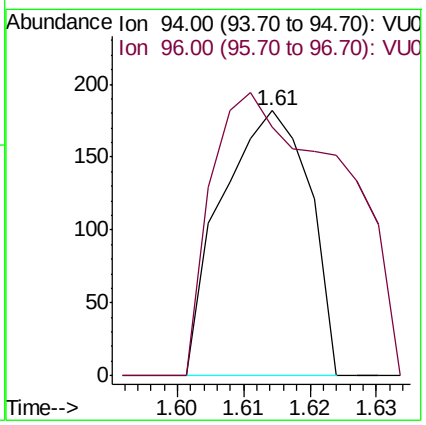


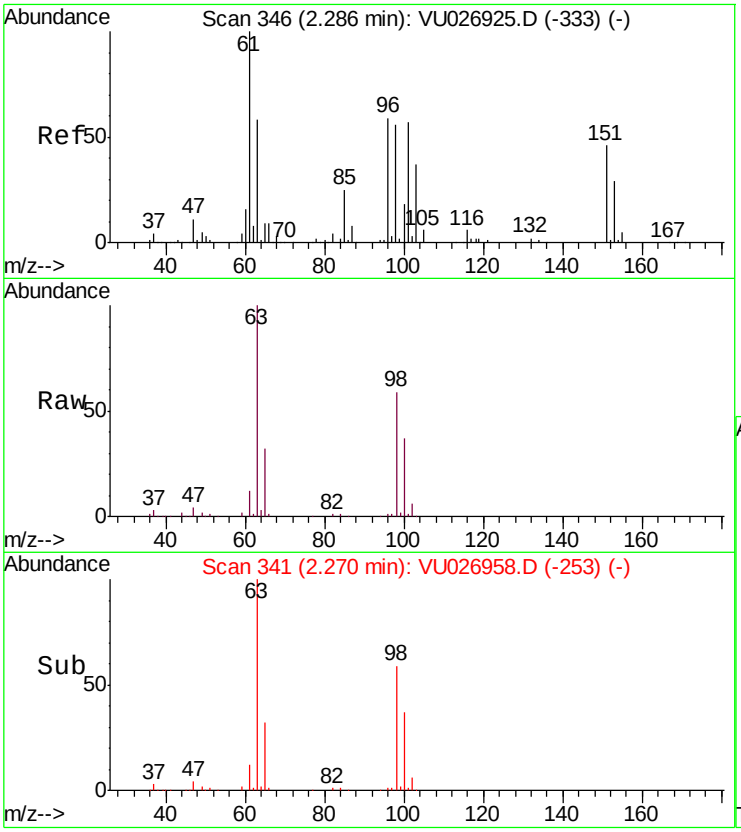




#6
Bromomethane
Concen: 1.075 ug/L
RT: 1.61 min Scan# 137
Delta R.T. -0.01 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion: 94 Resp: 167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.0 | 66.0 | 122.6 |



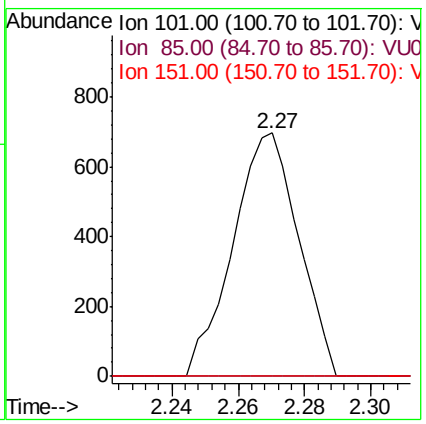


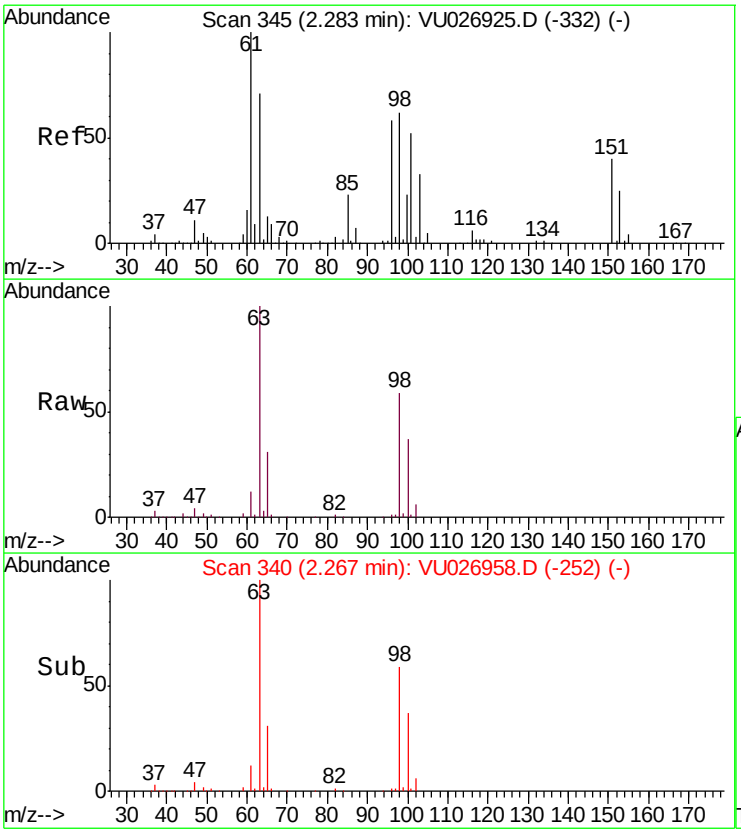

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.146 ug/L
RT: 2.27 min Scan# 341
Delta R.T. -0.02 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q4

Tgt Ion:101 Resp: 960

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

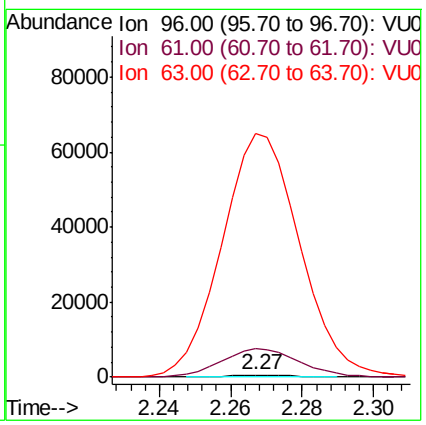


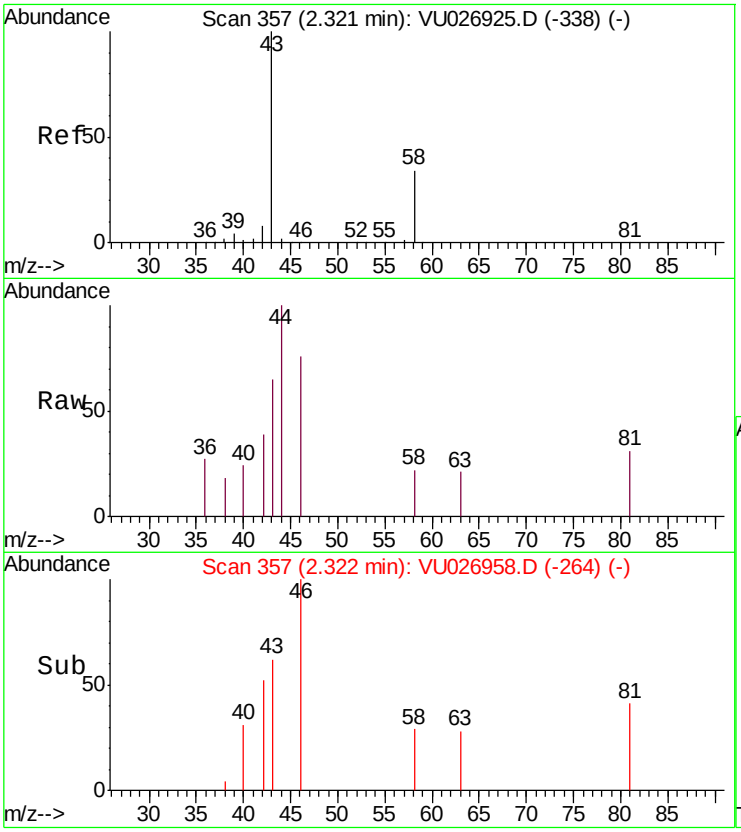




#12
1,1-Dichloroethene
Concen: 3.329 ug/L
RT: 2.27 min Scan# 340
Delta R.T. -0.02 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion: 96 Resp: 724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1354.0 | 124.0 | 230.4# |
| 63 | 11676.3 | 97.7 | 181.5# |



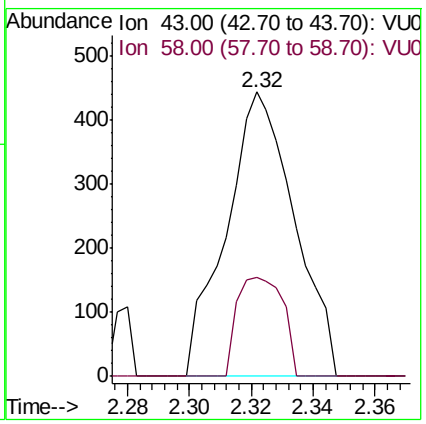


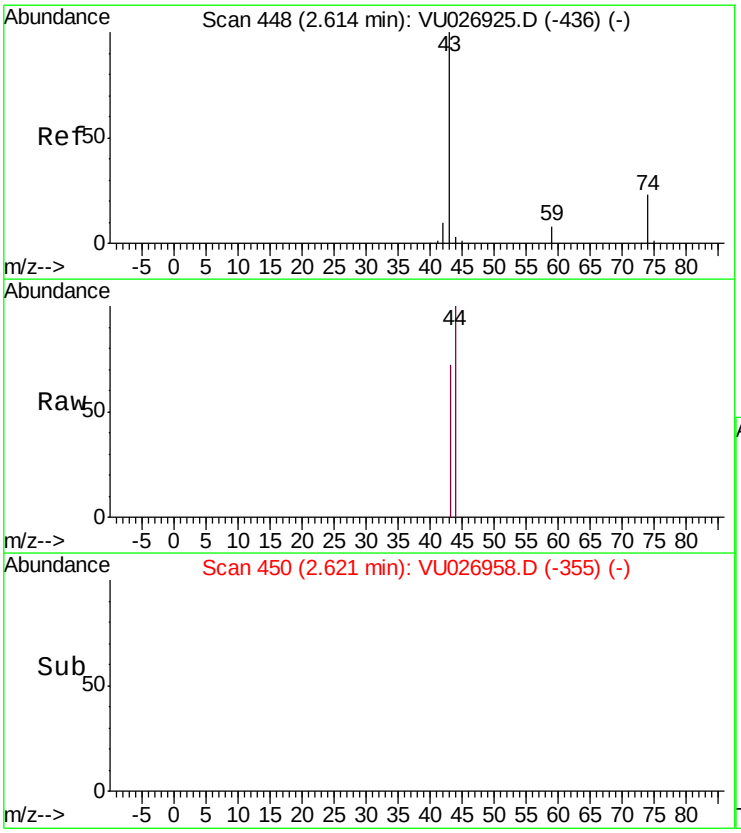

#13
Acetone
Concen: 4.196 ug/L
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q4

Tgt Ion: 43 Resp: 679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.0 | 0.0 | 64.6 |

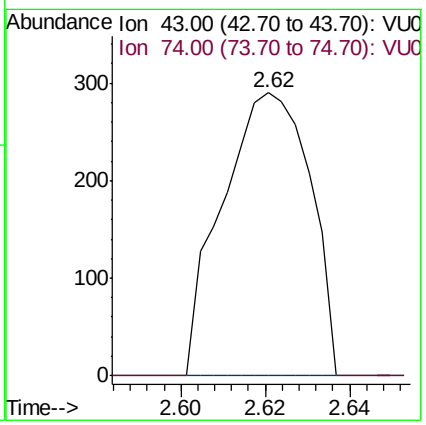


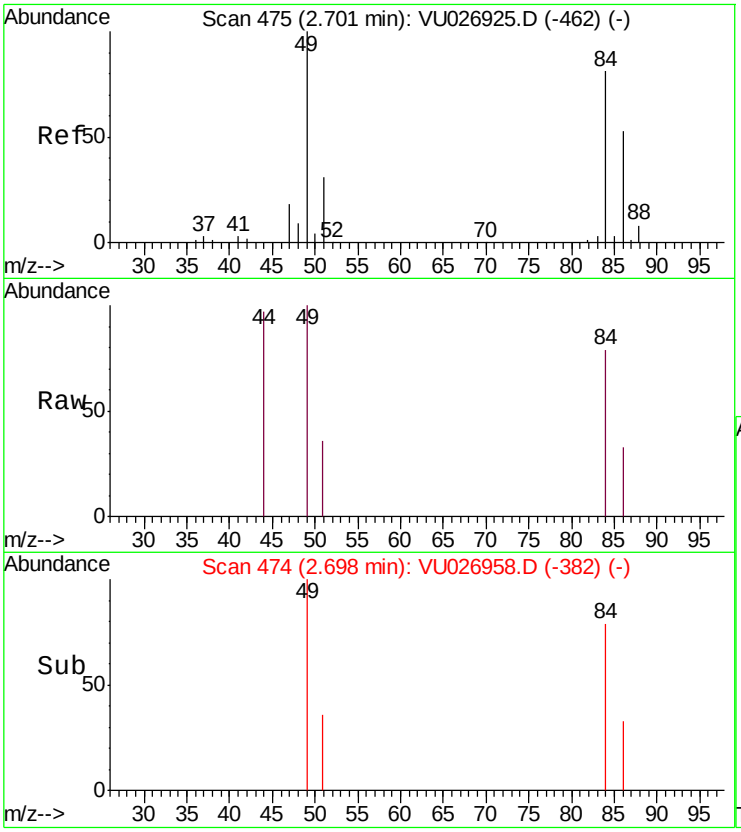




#15
Methyl Acetate
Concen: 1.491 ug/L
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion: 43 Resp: 418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 18.7 | 28.1# |



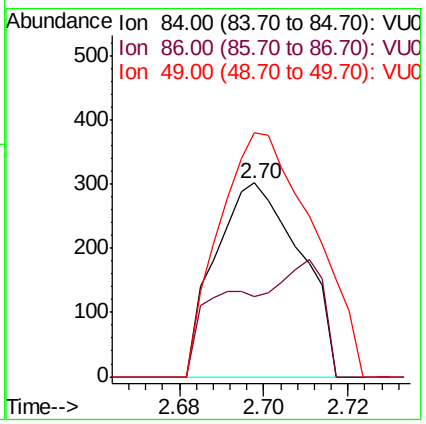


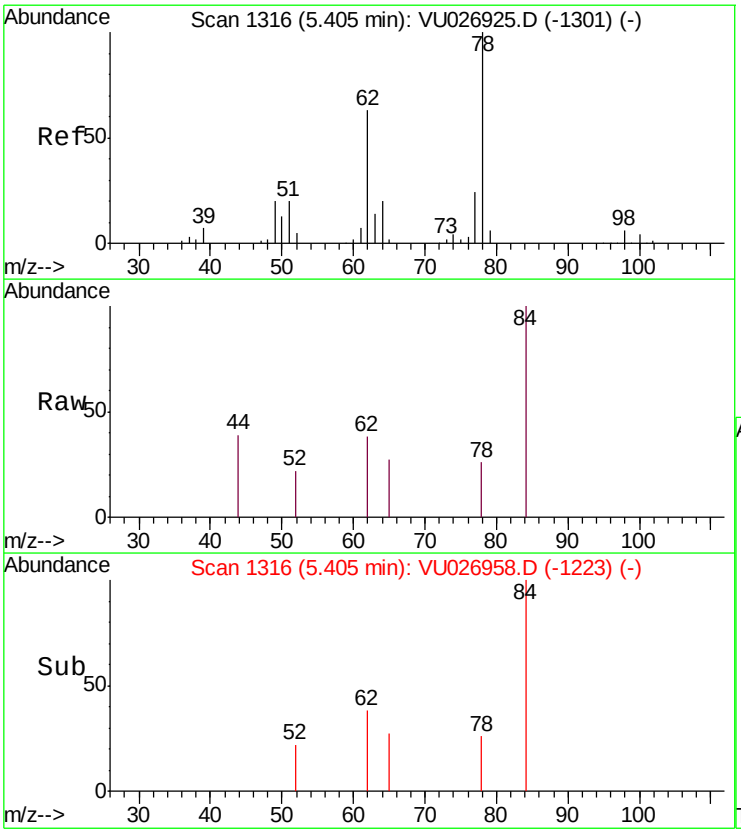

#16
Methylene chloride
Concen: 1.526 ug/L
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q4

Tgt Ion: 84 Resp: 422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 41.1 | 45.3 | 84.1# |
| 49 | 125.8 | 86.2 | 160.2 |

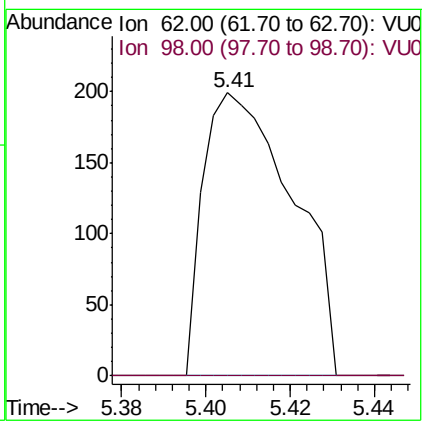


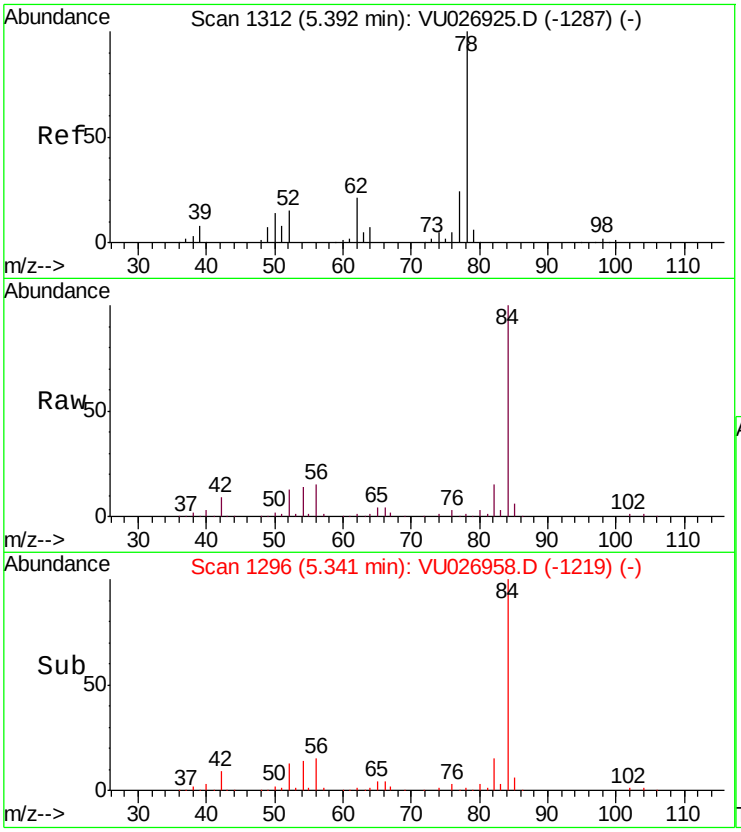




#27
1,2-Dichloroethane
Concen: 0.802 ug/L
RT: 5.41 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion: 62 Resp: 293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 8.2 | 12.4# |

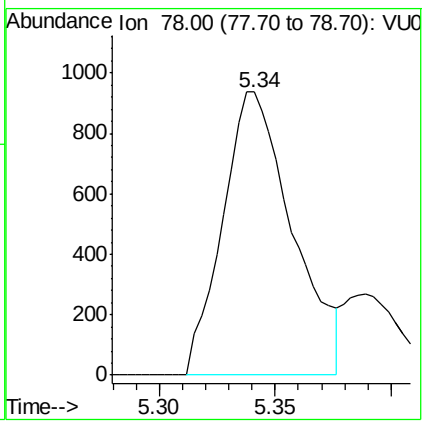


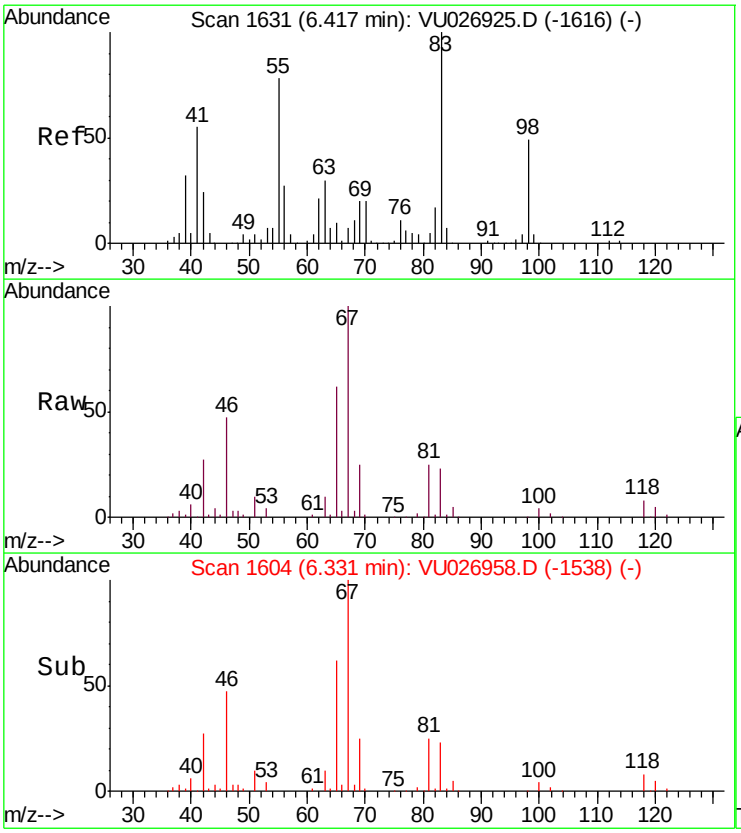



#33
Benzene
Concen: 2.014 ug/L
RT: 5.34 min Scan# 1296
Delta R.T. -0.05 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q4

Tgt Ion: 78 Resp: 1960

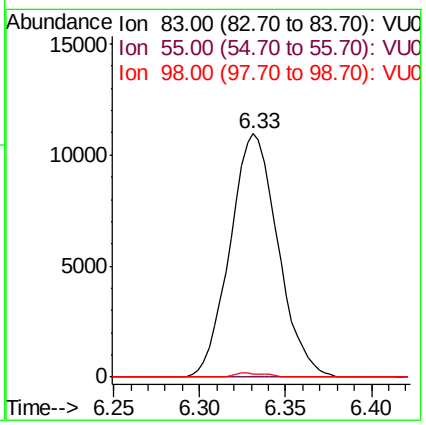


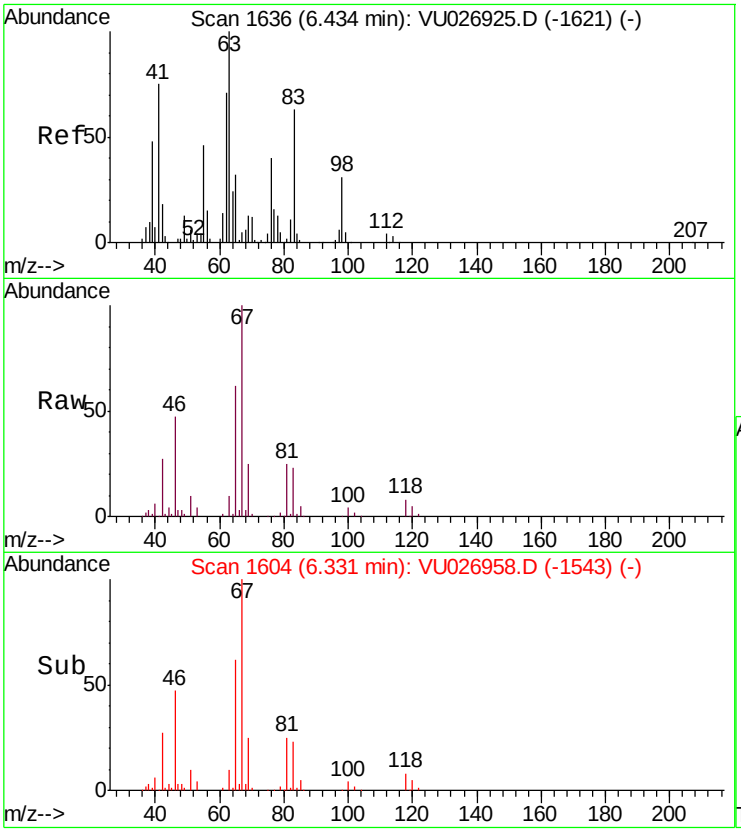




#35
Methylcyclohexane
Concen: 55.769 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion: 83 Resp: 21225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 61.7 | 92.5# |
| 98 | 1.0 | 38.3 | 57.5# |



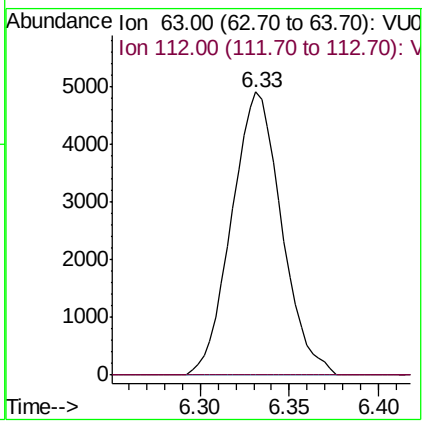


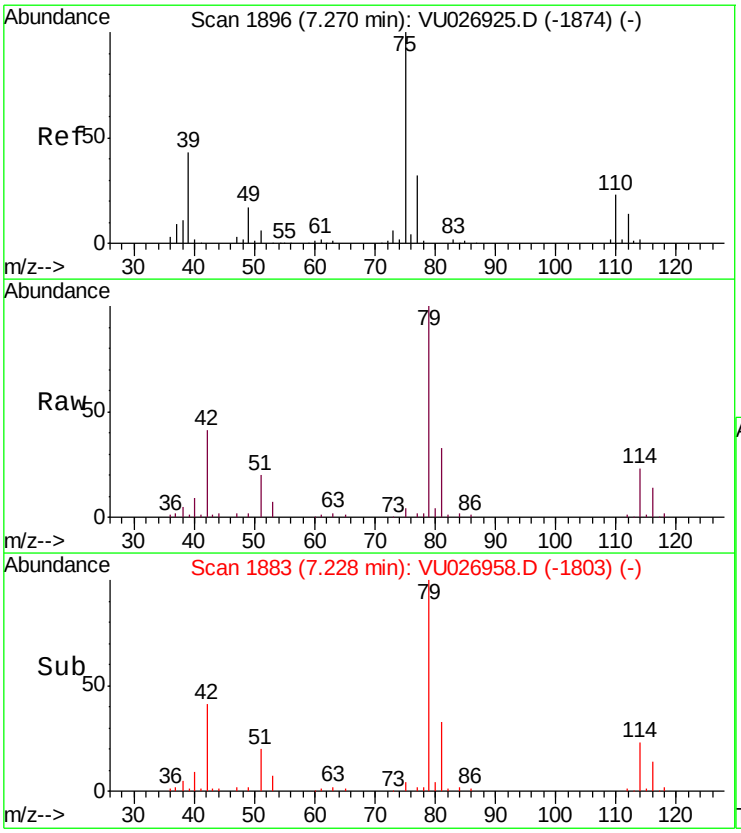

#37
1,2-Dichloropropane
Concen: 35.825 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q4

Tgt Ion: 63 Resp: 9575

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

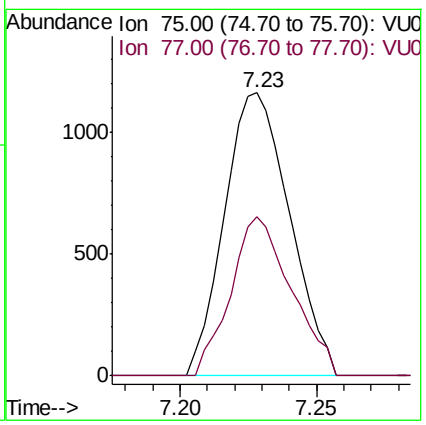


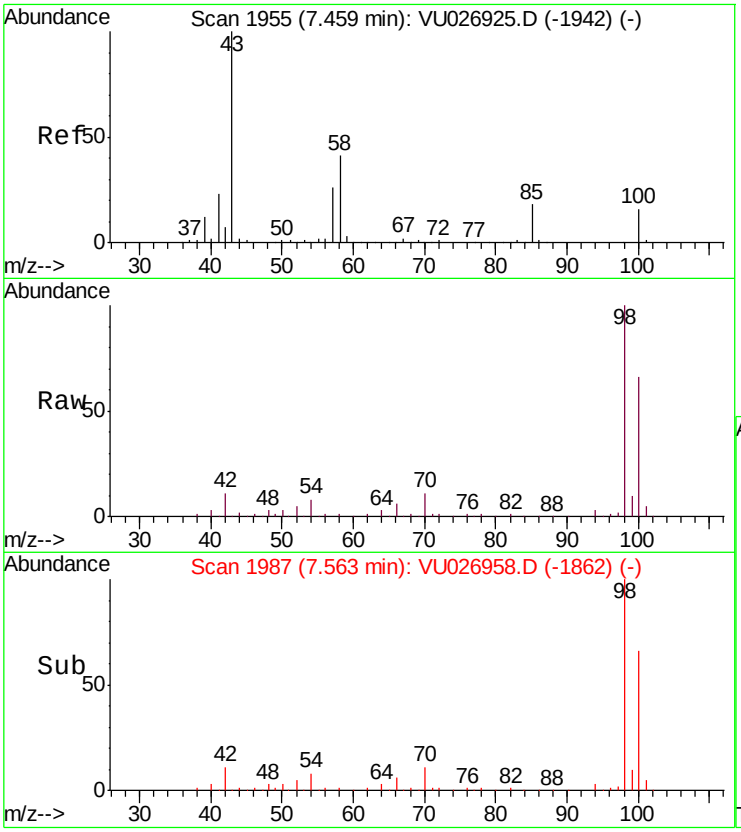




#39
cis-1,3-Dichloropropene
Concen: 5.104 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion: 75 Resp: 1927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 56.5 | 22.1 | 41.1# |



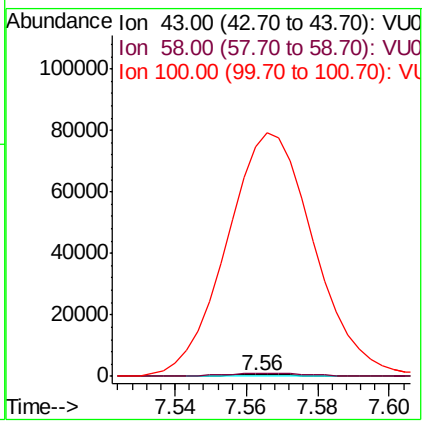


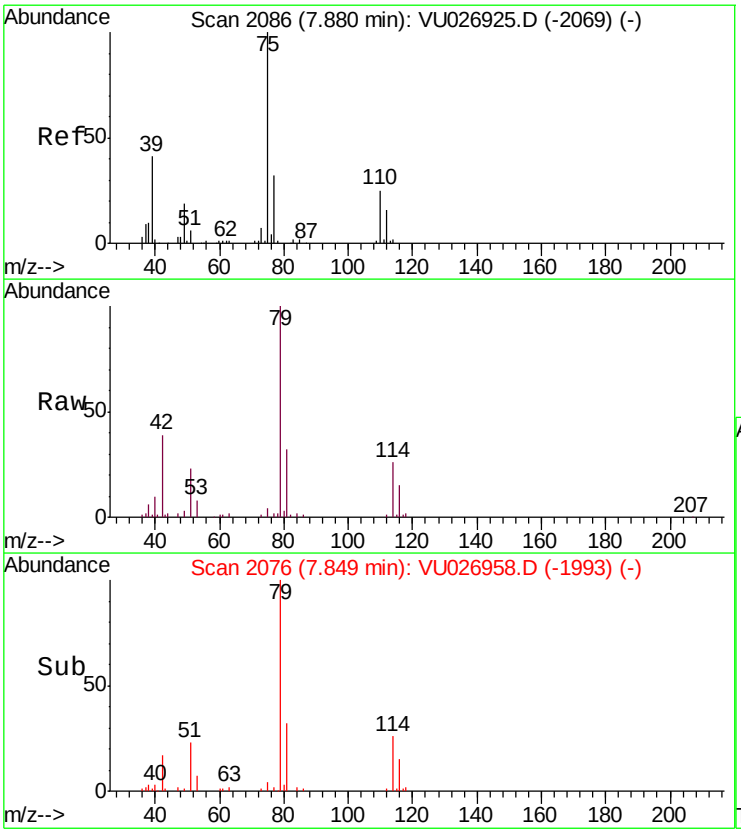

#40
4-Methyl-2-pentanone
Concen: 2.166 ug/L
RT: 7.56 min Scan# 1987
Delta R.T. 0.10 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q4

Tgt Ion: 43 Resp: 688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 234.7 | 32.0 | 48.0# |
| 100 | 19705.2 | 12.6 | 19.0# |

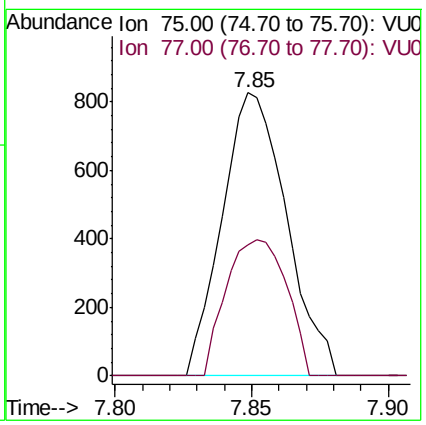


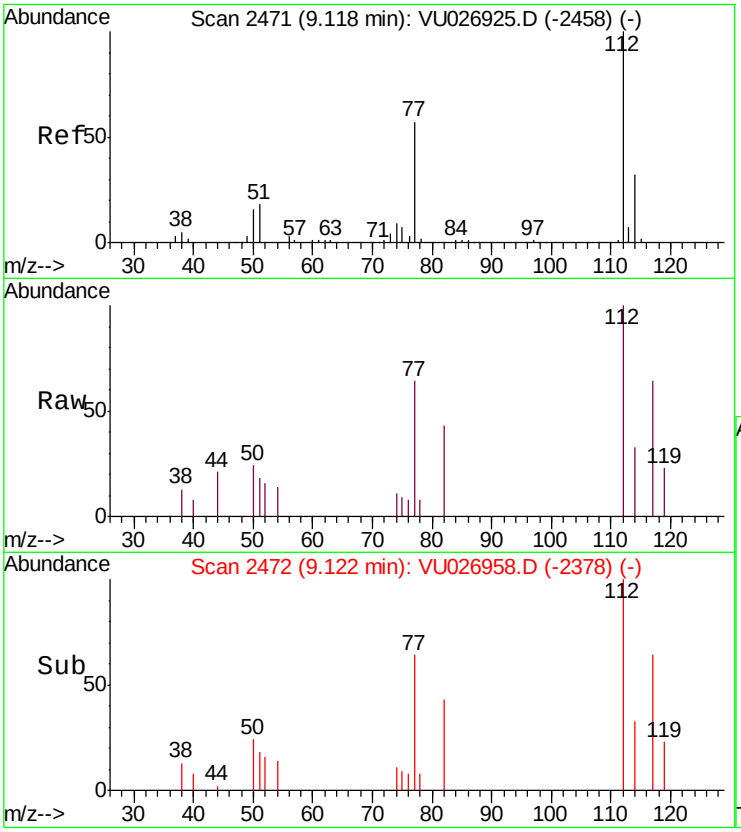




#44
trans-1,3-Dichloropropene
Concen: 3.833 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion: 75 Resp: 1355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 46.3 | 22.8 | 42.4# |



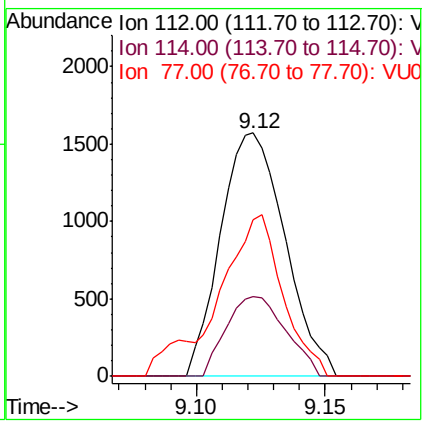


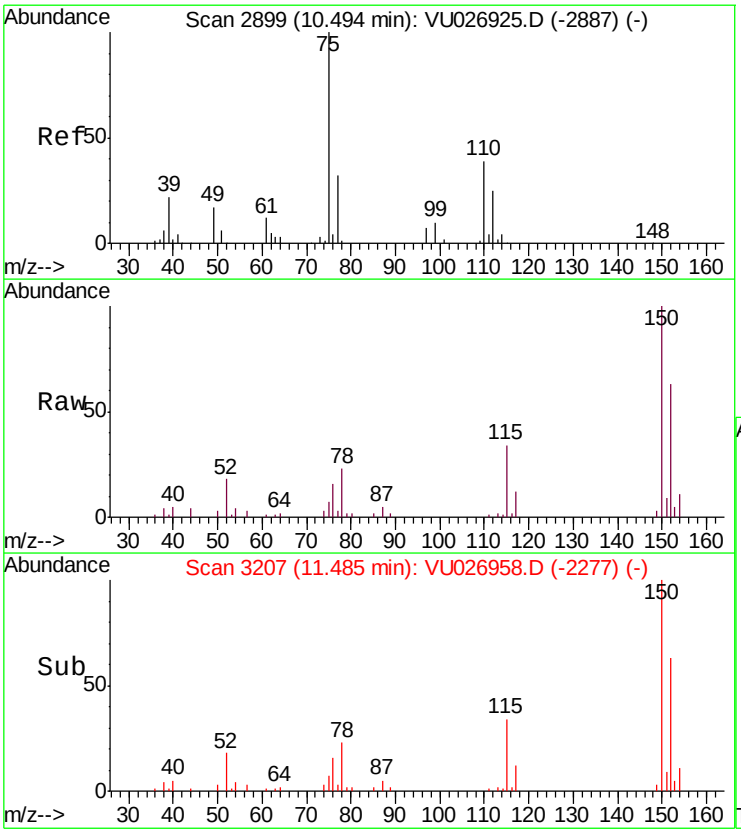

#51
Chlorobenzene
Concen: 4.100 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q4

Tgt Ion:112 Resp: 2739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.7 | 22.3 | 41.5 |
| 77 | 64.4 | 45.1 | 67.7 |

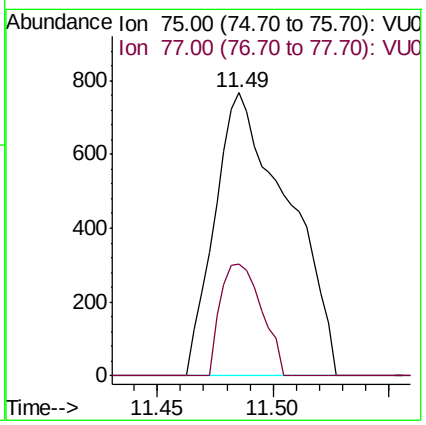


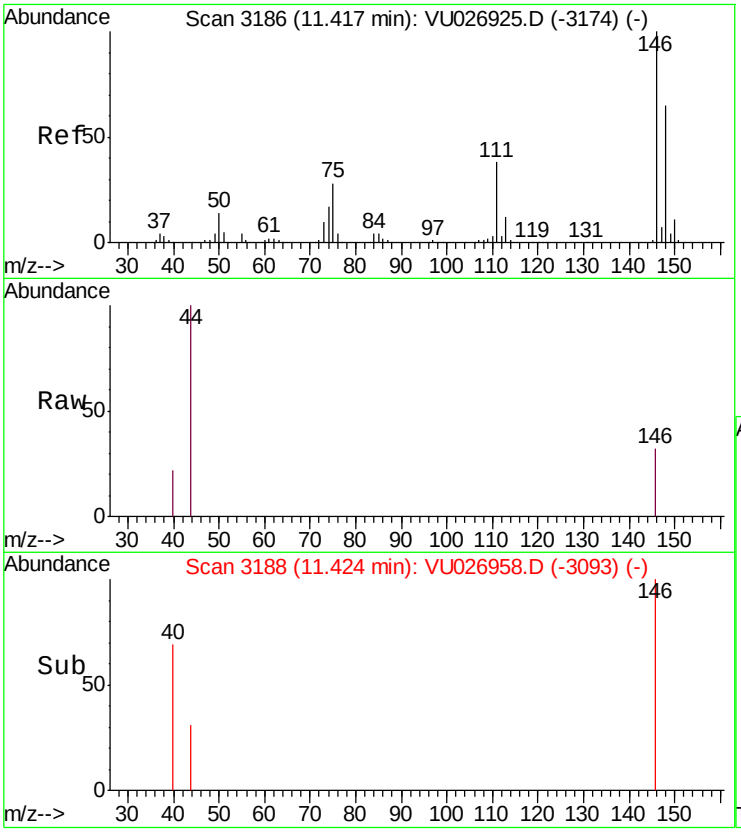




#59
1,2,3-Trichloropropane
Concen: 5.257 ug/L
RT: 11.49 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion: 75 Resp: 1683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 22.3 | 25.5 | 38.3# |



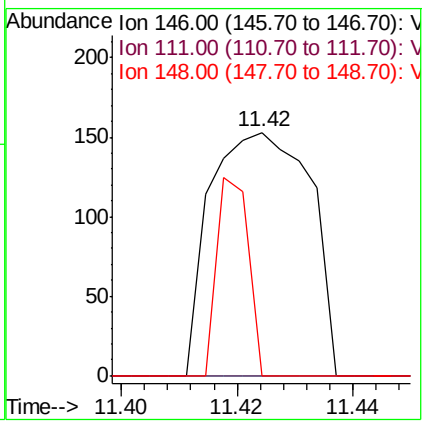


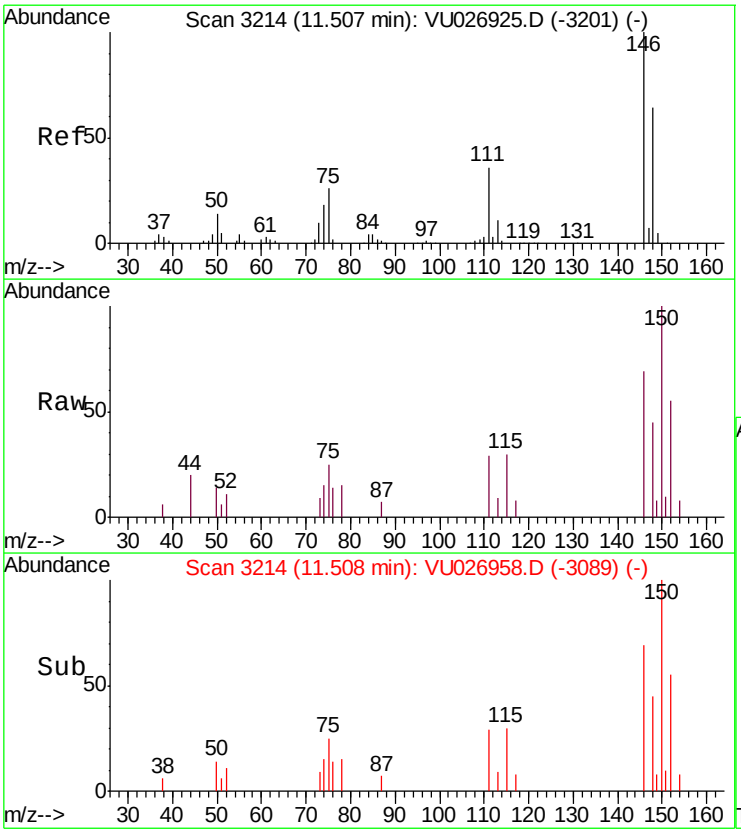

#62
1,3-Dichlorobenzene
Concen: 0.552 ug/L
RT: 11.42 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :** MSVOA_U
**ClientSampleId :** C08Q4

Tgt Ion:146 Resp: 183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 0.0 | 26.7 | 49.7# |
| 148 | 0.0 | 44.9 | 83.5# |

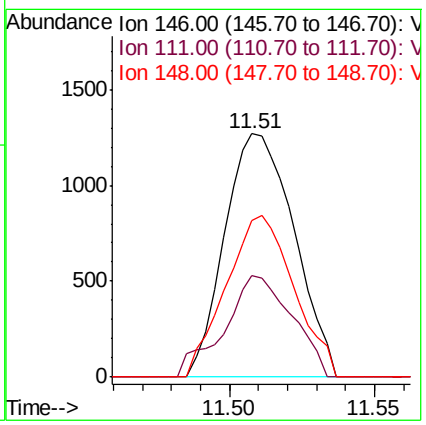


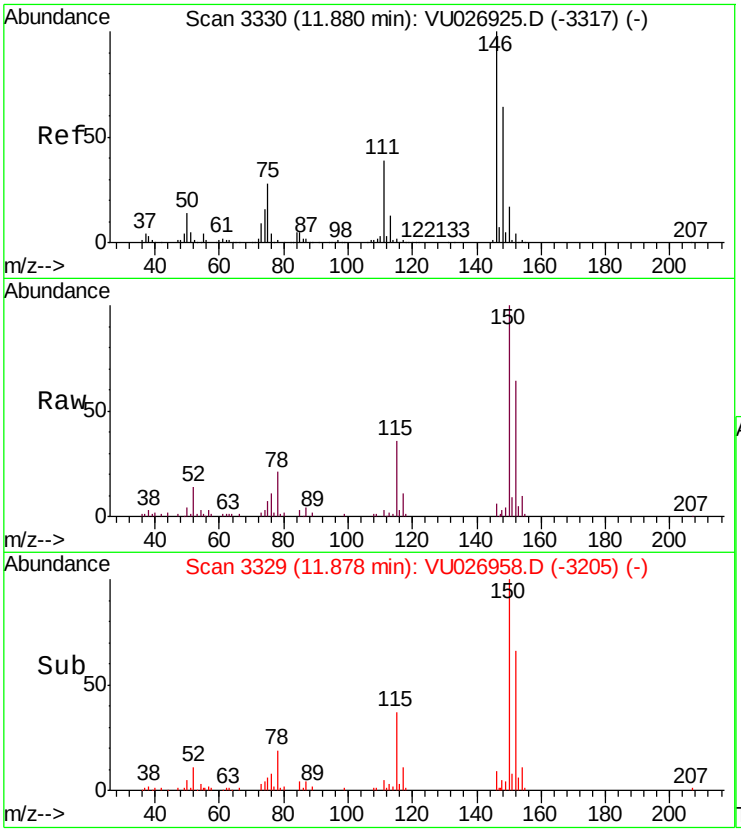




#63
1,4-Dichlorobenzene
Concen: 5.767 ug/L
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

Tgt Ion:146 Resp: 2105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 26.0 | 48.2 |
| 148 | 64.1 | 45.8 | 85.2 |






#65
1,2-Dichlorobenzene
Concen: 6.035 ug/L
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU026958.D
Acq: 21 Sep 2018 01:11

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08Q4

Tgt Ion:146 Resp: 2215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 53.2 | 31.4 | 47.0# |
| 148 | 57.7 | 51.4 | 77.2 |