Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111020\
Data File : VU041180.D
Acq On : 10 Nov 2020 15:56
Operator : SY/MD
Sample : L4646-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GB0W6

Quant Time: Nov 11 00:52:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 54690 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 53792 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 24480 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 15045 | 3.27 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 65.40% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 14280 | 4.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 80.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 24962 | 2.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 55.40%# | | | |
| 20) 2-Butanone-d5 | 4.65 | 46 | 83855 | 55.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 110.84% | | | |
| 24) Chloroform-d | 5.08 | 84 | 40043 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 25884 | 5.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 102.80% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 67273 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 24551 | 5.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 104.80% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 55319 | 4.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 84.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 8656 | 4.26 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 85.20% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 57657 | 52.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.48% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 22633 | 5.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 104.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 24724 | 5.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 115.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.50 | 50 | 786 | 0.151 | ug/L # | 43 |
| 5) Vinyl chloride | 1.61 | 62 | 4563 | 0.888 | ug/L | 91 |
| 8) Chloroethane | 1.68 | 64 | 5429 | 1.668 | ug/L # | 55 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.43 | 101 | 1833 | 0.448 | ug/L # | 1 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 1981 | 0.513 | ug/L # | 1 |
| 13) Acetone | 2.66 | 43 | 974 | 0.942 | ug/L | 96 |
| 15) Methyl Acetate | 3.06 | 43 | 7074 | 2.989 | ug/L # | 53 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 13876 | 3.534 | ug/L | 91 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 2541 | 0.324 | ug/L | 95 |
| 22) cis-1,2-Dichloroethene | 4.69 | 96 | 997421 | 246.301 | ug/L | 95 |
| 25) Chloroform | 5.11 | 83 | 4731 | 0.601 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.34 | 97 | 9219 | 1.401 | ug/L | 92 |
| 30) Cyclohexane | 5.41 | 56 | 860 | 0.133 | ug/L # | 22 |
| 31) Carbon tetrachloride | 5.54 | 117 | 2213 | 0.380 | ug/L | 96 |
| 33) Benzene | 5.79 | 78 | 11082 | 0.689 | ug/L | 100 |
| 34) Trichloroethene | 6.56 | 95 | 2485663 | 607.677 | ug/L | 95 |
| 35) Methylcyclohexane | 6.70 | 83 | 6058 | 0.993 | ug/L # | 14 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111020\
Data File : VU041180.D
Acq On : 10 Nov 2020 15:56
Operator : SY/MD
Sample : L4646-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GB0W6

Quant Time: Nov 11 00:52:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) 1,2-Dichloropropane | 6.70 | 63 | 3007 | 0.691 | ug/L | # | 86 |
| 39) cis-1,3-Dichloropropene | 7.58 | 75 | 593 | 0.099 | ug/L | # | 50 |
| 44) trans-1,3-Dichloropropene | 8.19 | 75 | 454 | 0.081 | ug/L | | 96 |
| 47) Tetrachloroethene | 8.56 | 164 | 18545 | 6.166 | ug/L | | 99 |
| 48) 2-Hexanone | 8.64 | 43 | 8984 | 3.441 | ug/L | # | 68 |
| 49) Dibromochloromethane | 8.56 | 129 | 19750 | 5.253 | ug/L | # | 11 |
| 53) m,p-Xylene | 9.70 | 106 | 909 | 0.145 | ug/L | | 77 |
| 59) 1,2,3-Trichloropropane | 11.81 | 75 | 3262 | 1.006 | ug/L | | 91 |

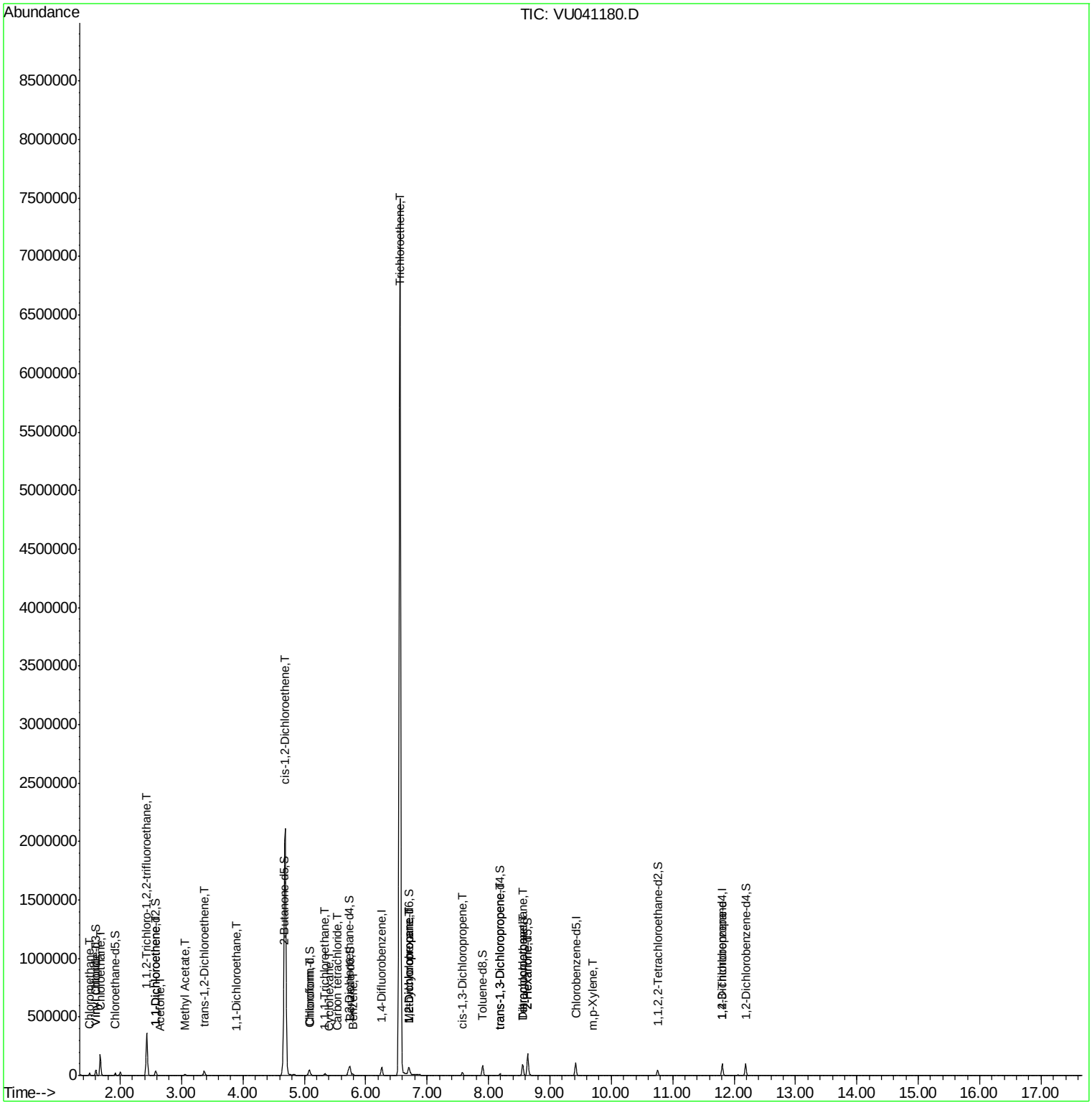
(#) = qualifier out of range (m) = manual integration (+) = signals summed

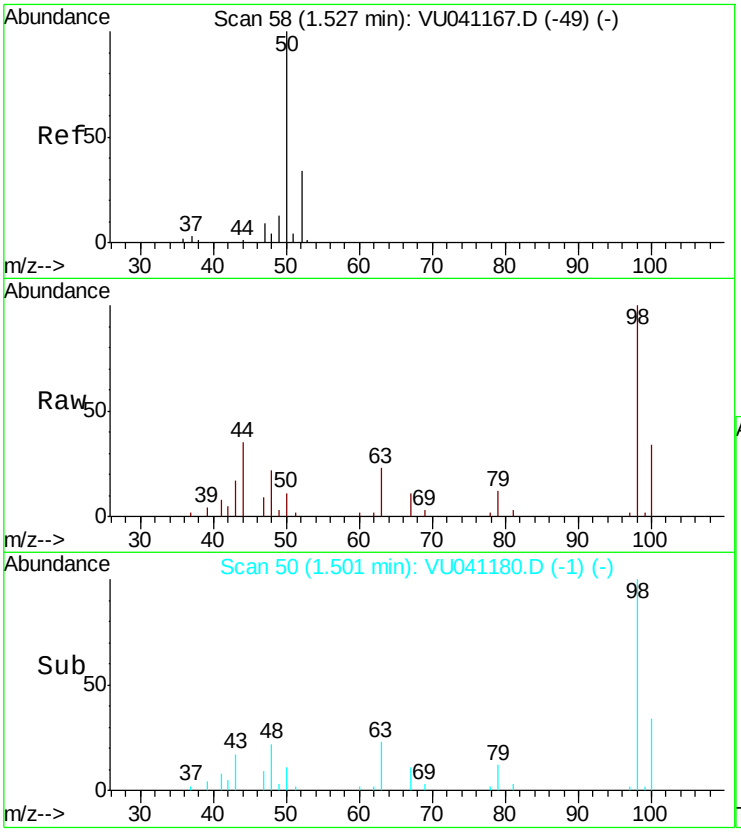
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111020\
Data File : VU041180.D
Acq On : 10 Nov 2020 15:56
Operator : SY/MD
Sample : L4646-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
GB0W6

Quant Time: Nov 11 00:52:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration



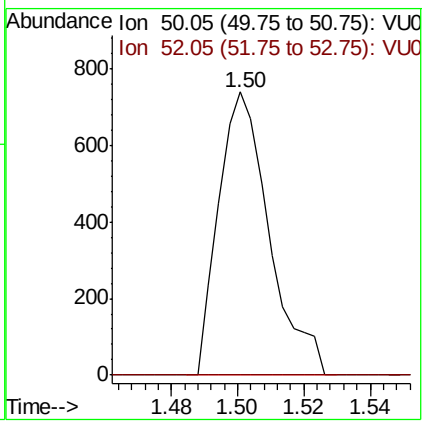


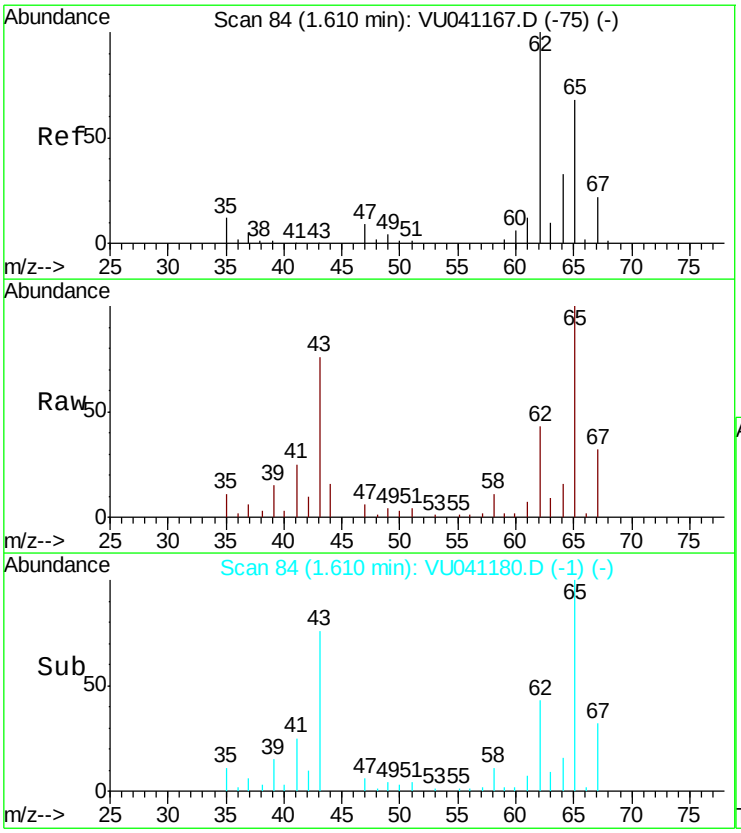

#3
Chloromethane
Concen: 0.151 ug/L
RT: 1.50 min Scan# 50
Delta R.T. -0.03 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GB0W6

Tgt Ion: 50 Resp: 786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 22.4 | 41.6# |

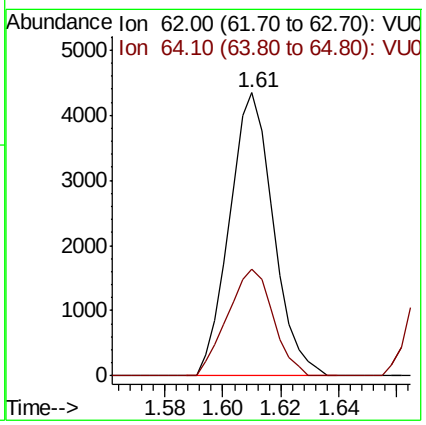


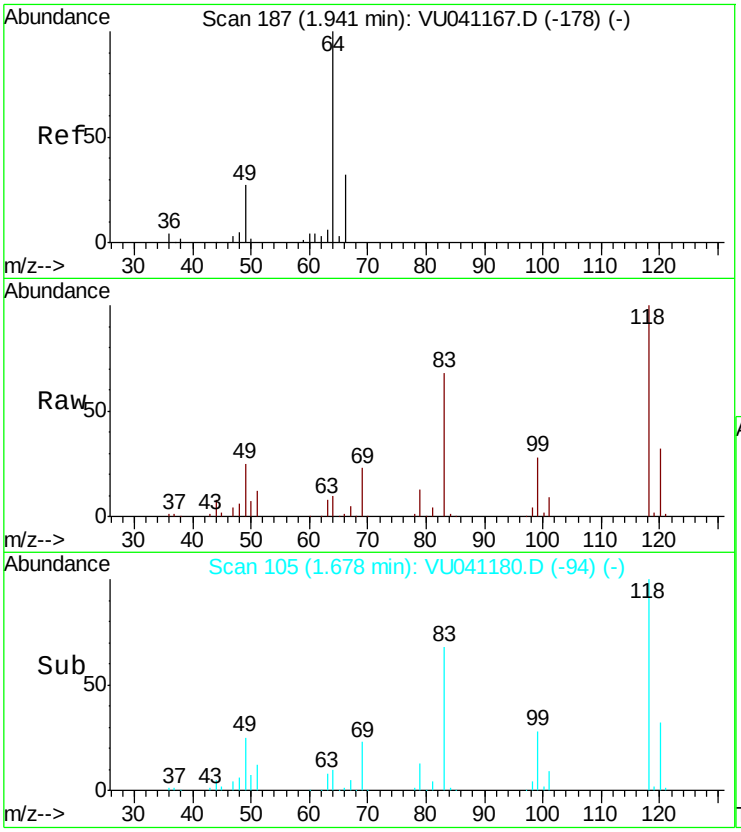




#5
Vinyl chloride
Concen: 0.888 ug/L
RT: 1.61 min Scan# 84
Delta R.T. -0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 62 Resp: 4563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 37.8 | 22.7 | 42.3 |



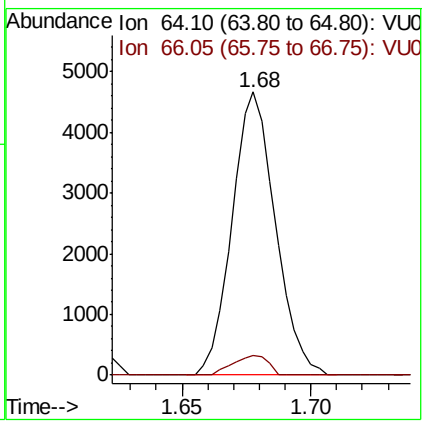


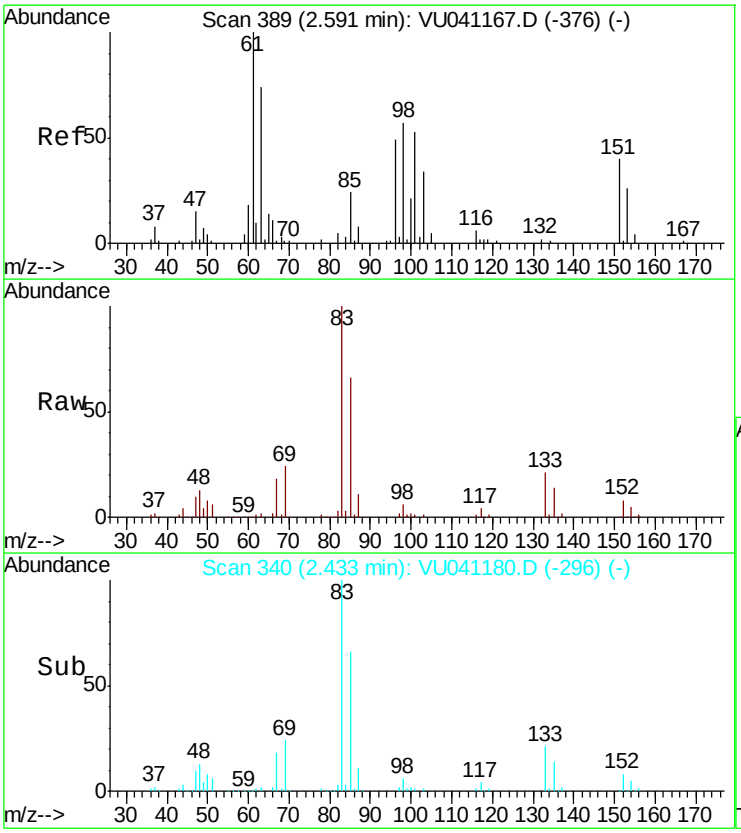

#8
Chloroethane
Concen: 1.668 ug/L
RT: 1.68 min Scan# 105
Delta R.T. -0.26 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GB0W6

Tgt Ion: 64 Resp: 5429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 6.9 | 22.3 | 41.5# |

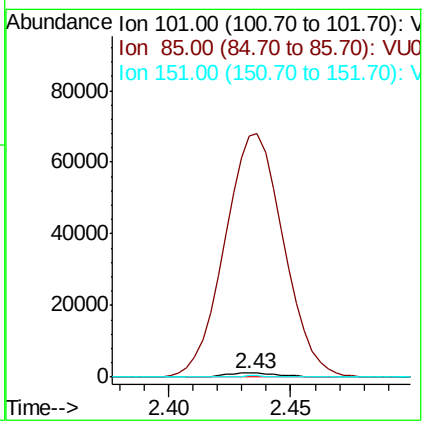


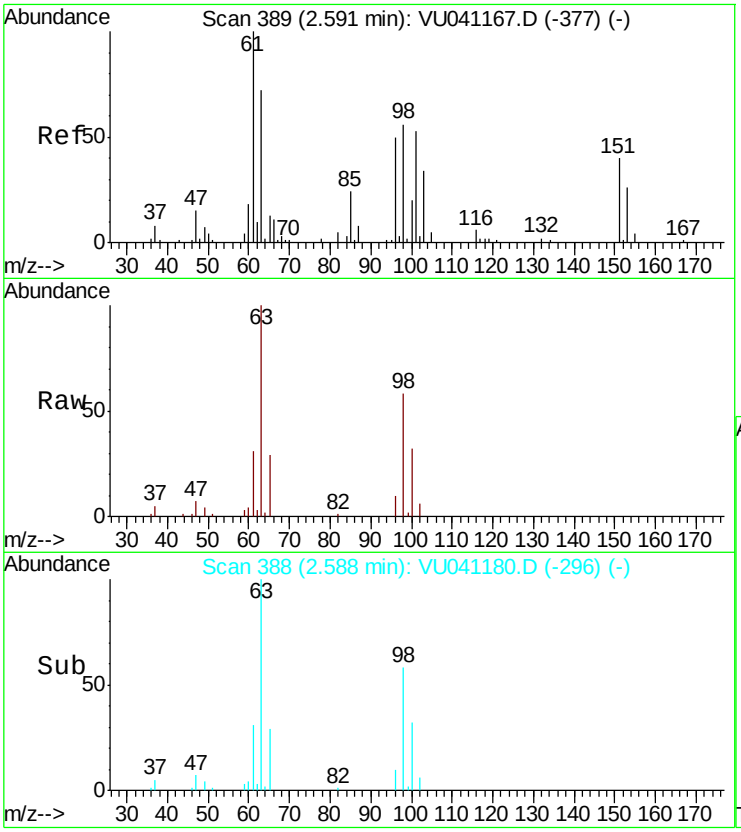




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.448 ug/L
RT: 2.43 min Scan# 340
Delta R.T. -0.16 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion:101 Resp: 1833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 6223.5 | 35.0 | 52.4# |
| 151 | 14.3 | 55.3 | 82.9# |



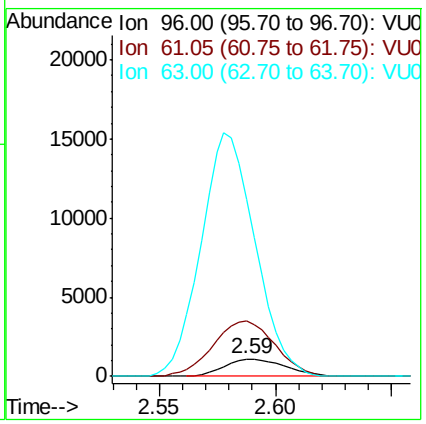


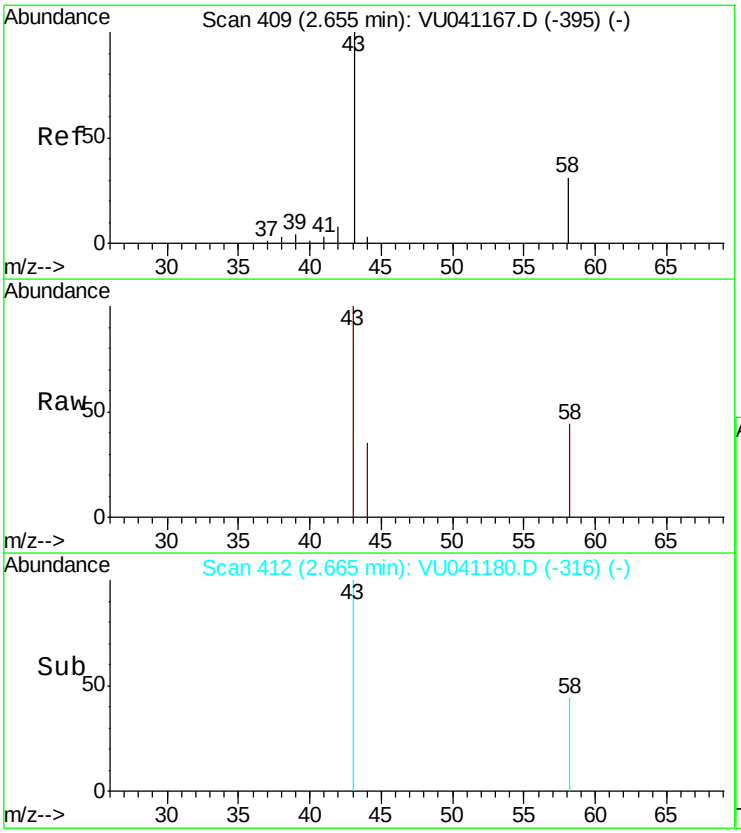

#12
1,1-Dichloroethene
Concen: 0.513 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :** MSVOA_U
**ClientSampleId :** GB0W6

Tgt Ion: 96 Resp: 1981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 317.5 | 134.3 | 249.5# |
| 63 | 1015.2 | 95.0 | 176.4# |

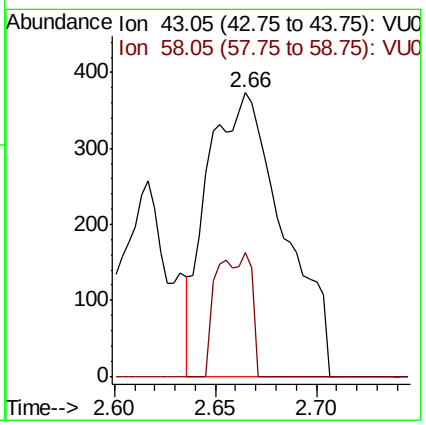


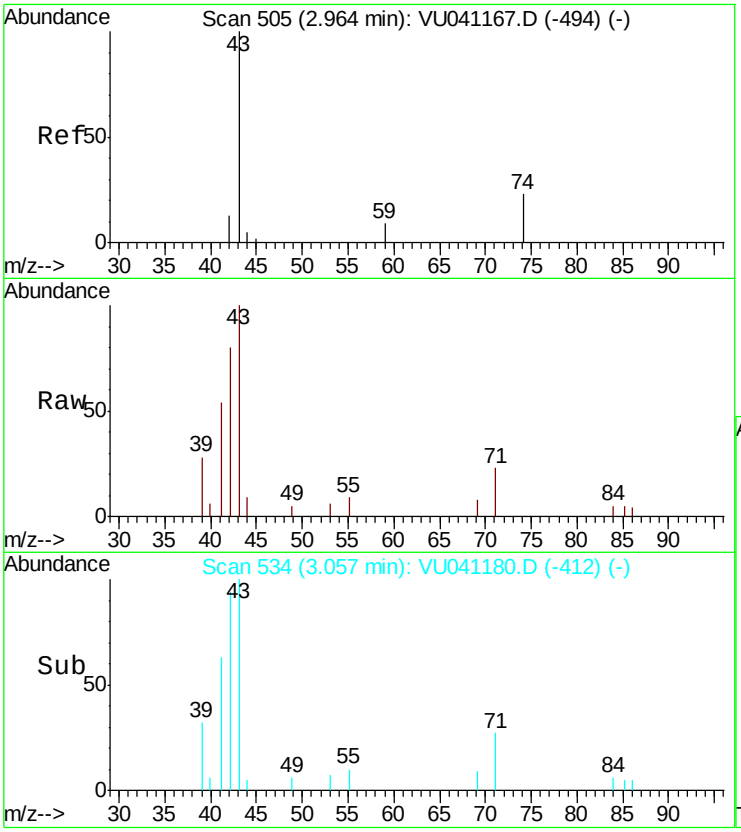




#13
Acetone
Concen: 0.942 ug/L
RT: 2.66 min Scan# 412
Delta R.T. 0.01 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 43 Resp: 974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.3 | 0.0 | 25.4 |



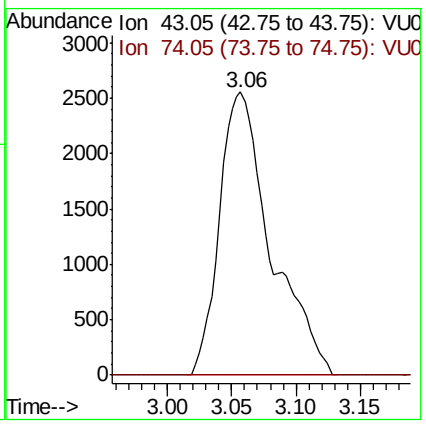


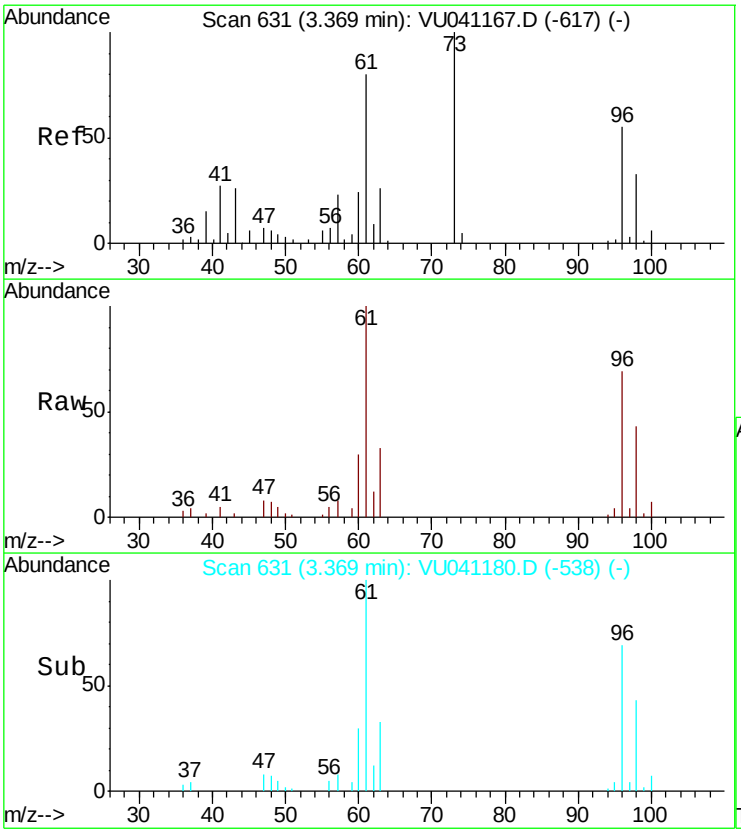

#15
Methyl Acetate
Concen: 2.989 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.09 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :** MSVOA_U
**ClientSampleId :** GB0W6

Tgt Ion: 43 Resp: 7074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 18.3 | 27.5# |

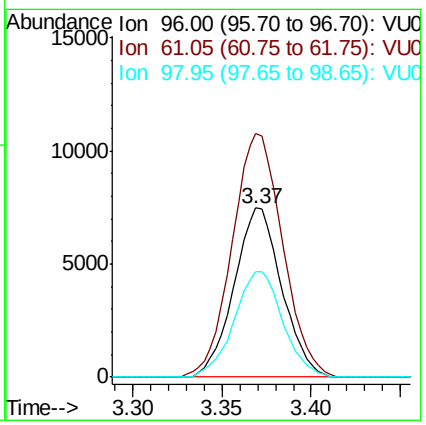


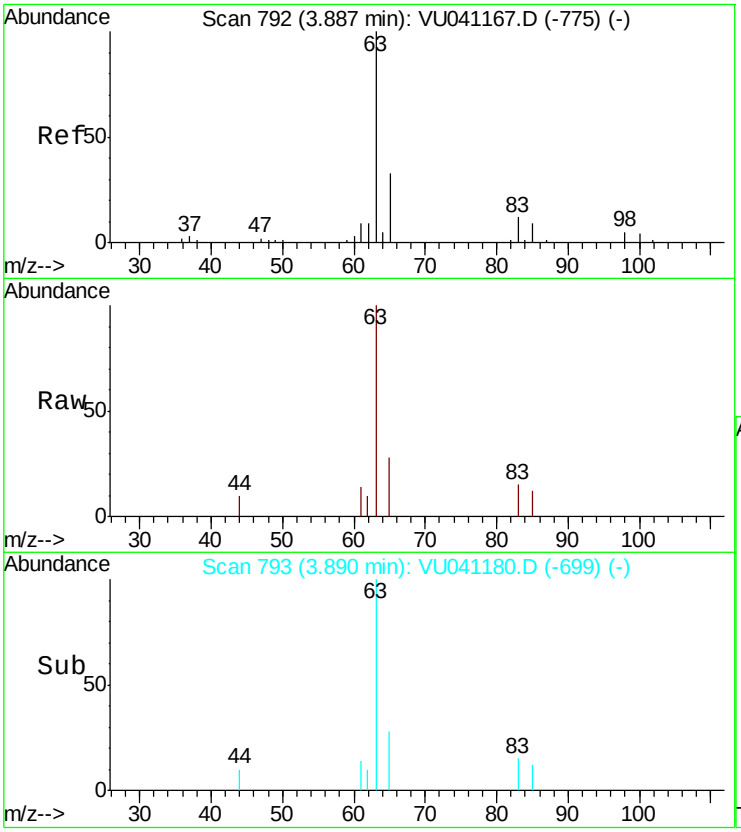




#18
trans-1,2-Dichloroethene
Concen: 3.534 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 96 Resp: 13876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.1 | 110.9 | 205.9 |
| 98 | 62.1 | 45.4 | 84.2 |



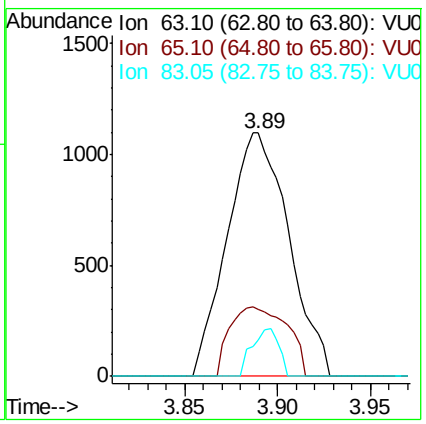


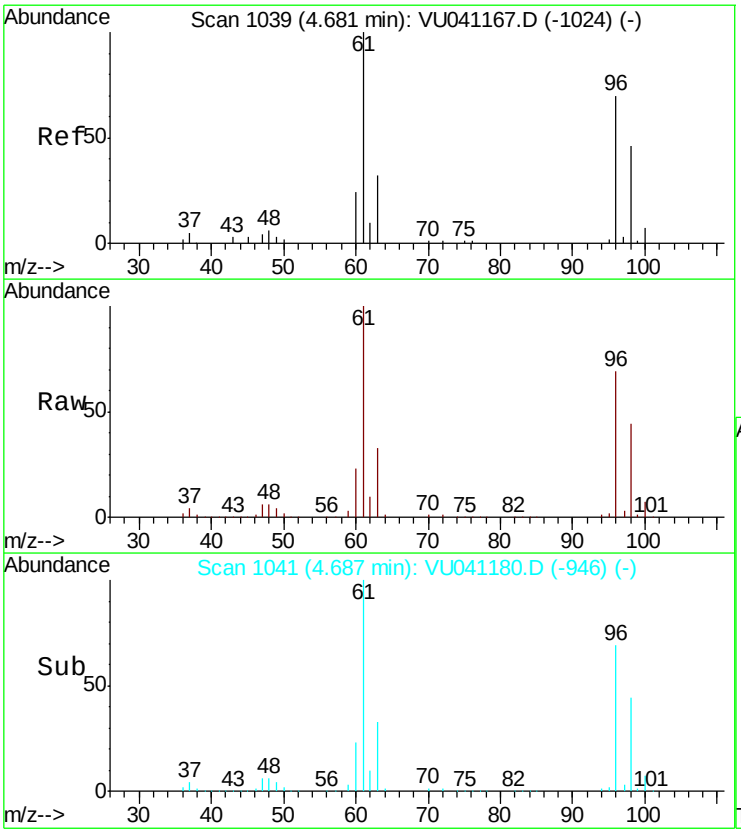

#19
1,1-Dichloroethane
Concen: 0.324 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :** MSVOA_U
**ClientSampleId :** GB0W6

Tgt Ion: 63 Resp: 2541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.6 | 21.3 | 39.6 |
| 83 | 14.8 | 8.8 | 16.3 |

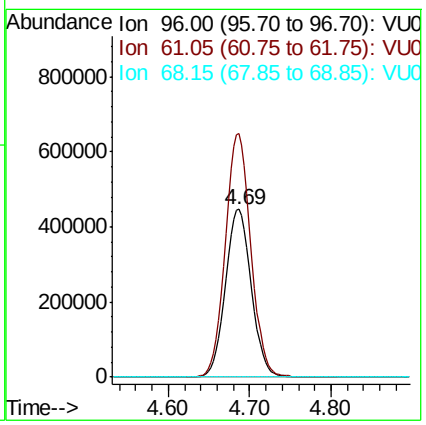


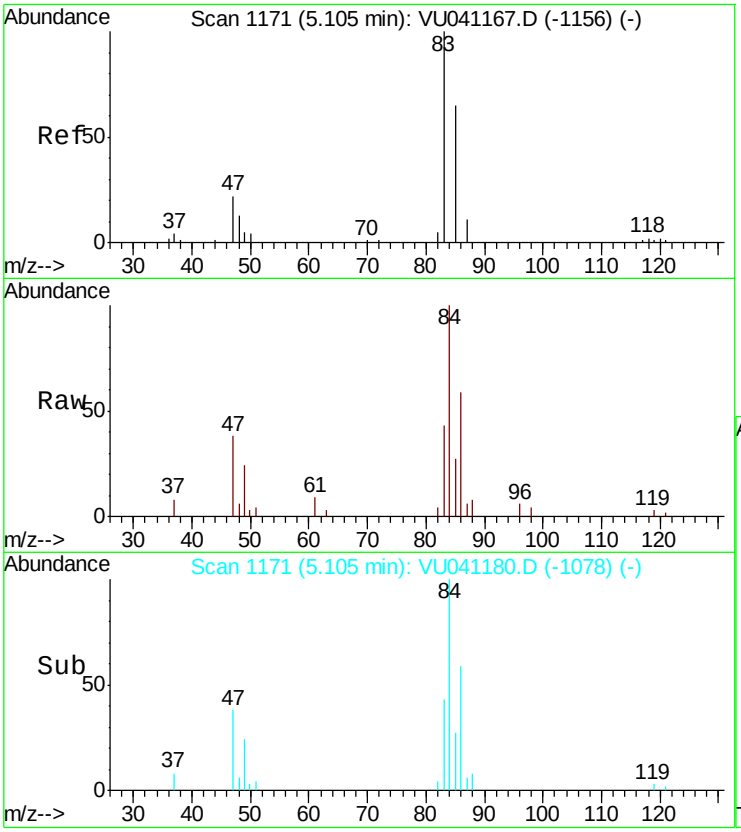




#22
cis-1,2-Dichloroethene
Concen: 246.301 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 96 Resp: 997421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.0 | 97.2 | 180.4 |
| 68 | 0.0 | 0.0 | 0.0 |



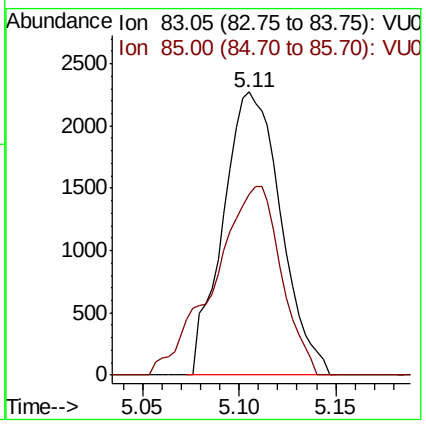


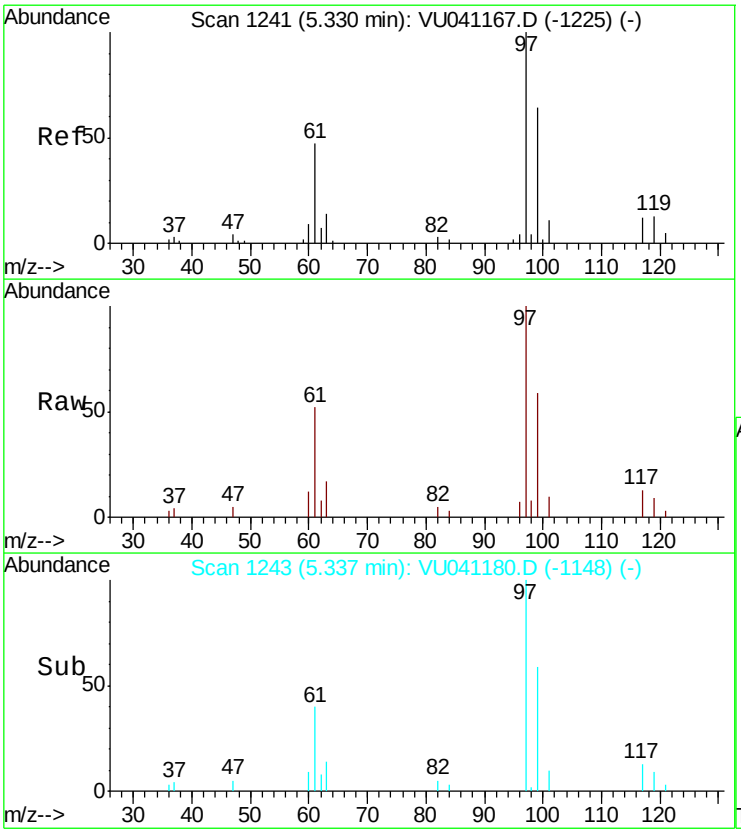

#25
Chloroform
Concen: 0.601 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :** MSVOA_U
**ClientSampleId :** GB0W6

Tgt Ion: 83 Resp: 4731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 46.1 | 85.7 |

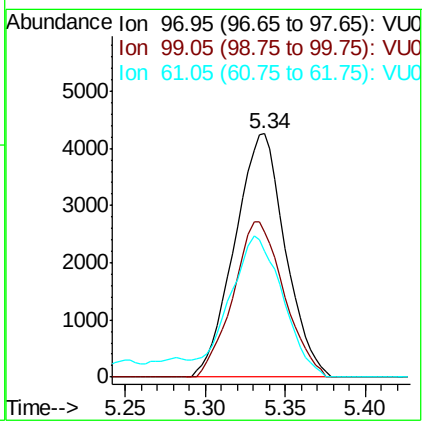


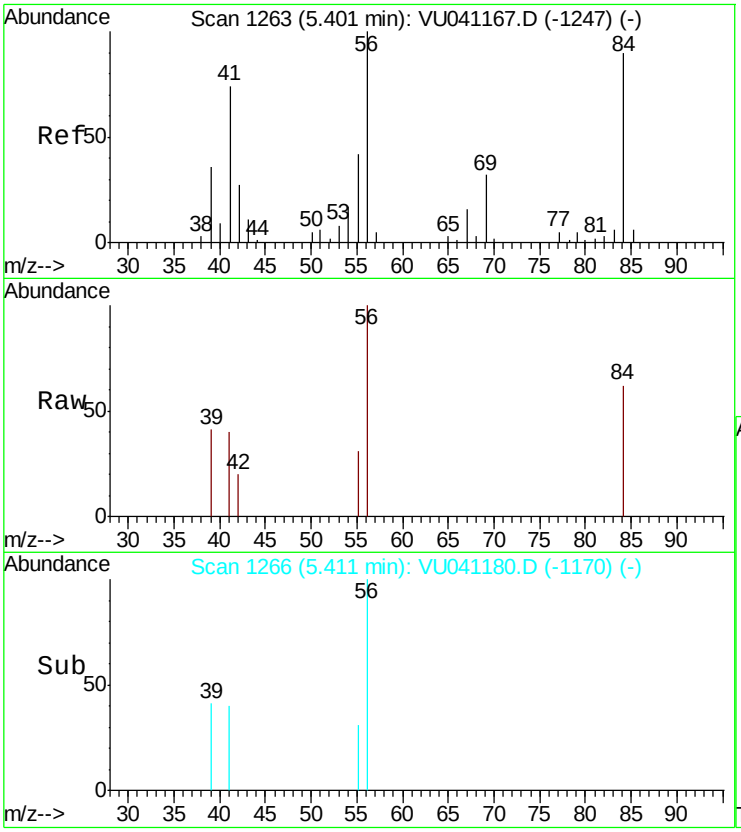




#29
1,1,1-Trichloroethane
Concen: 1.401 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 97 Resp: 9219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.9 | 53.4 | 80.0 |
| 61 | 61.5 | 41.6 | 62.4 |



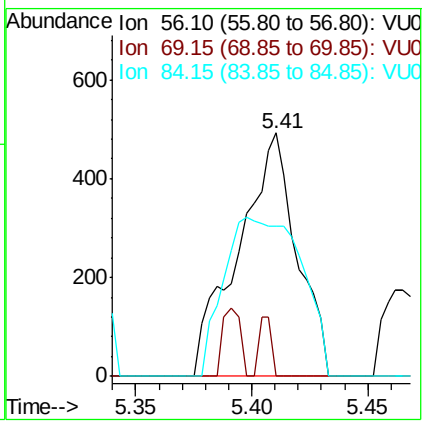


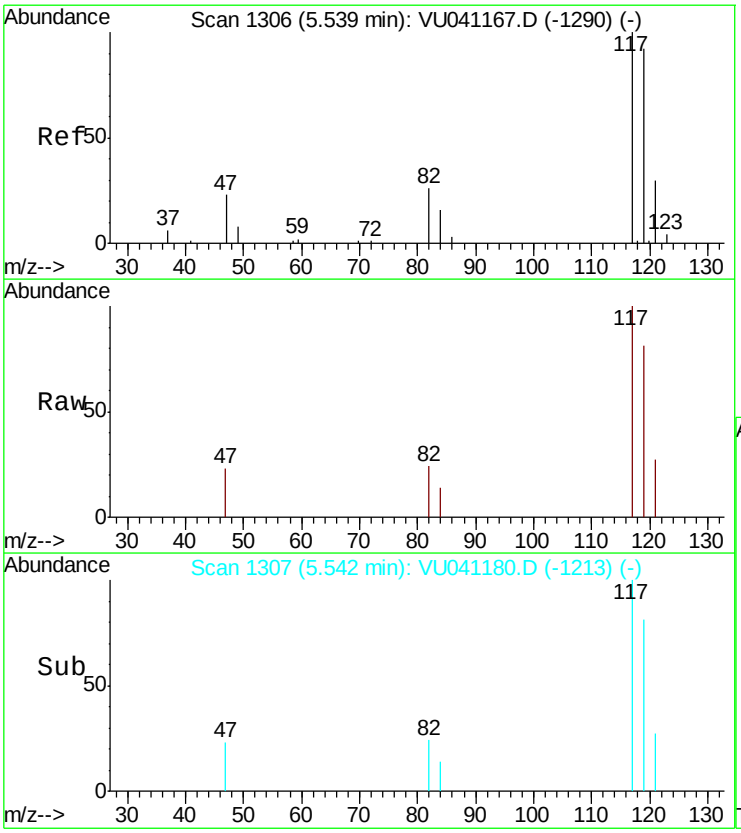

#30
Cyclohexane
Concen: 0.133 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :** MSVOA_U
**ClientSampleId :** GB0W6

Tgt Ion: 56 Resp: 860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 5.3 | 22.8 | 34.2# |
| 84 | 0.0 | 63.6 | 95.4# |

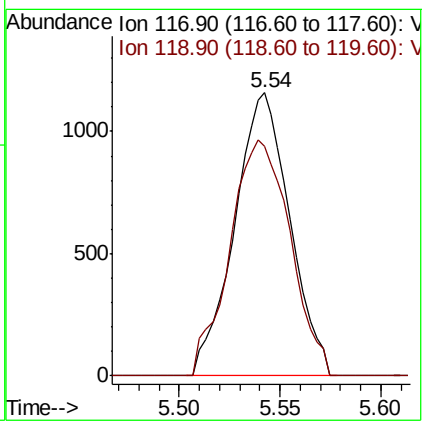


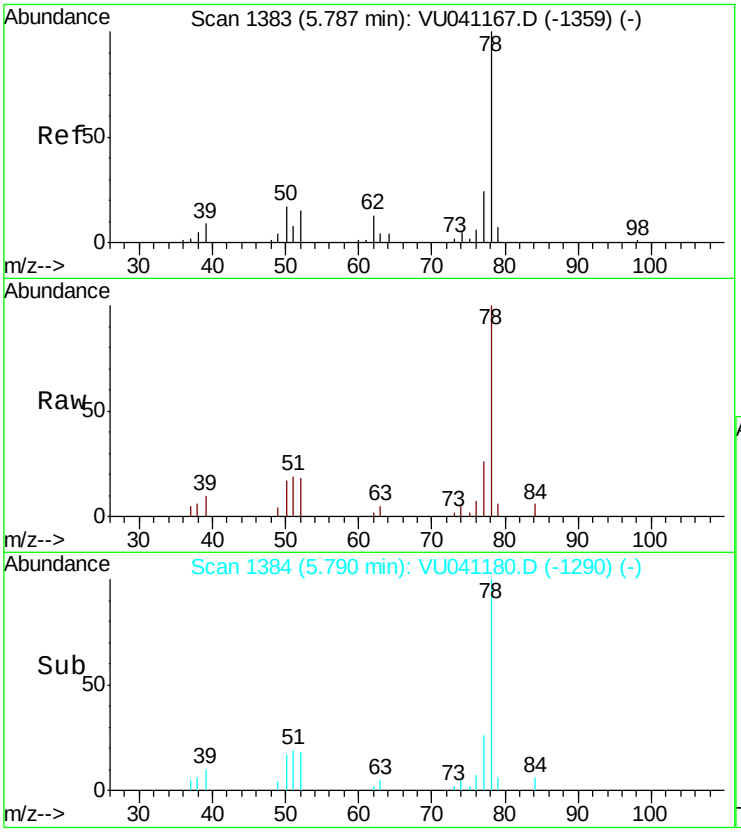




#31
Carbon tetrachloride
Concen: 0.380 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion:117 Resp: 2213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.1 | 76.1 | 114.1 |

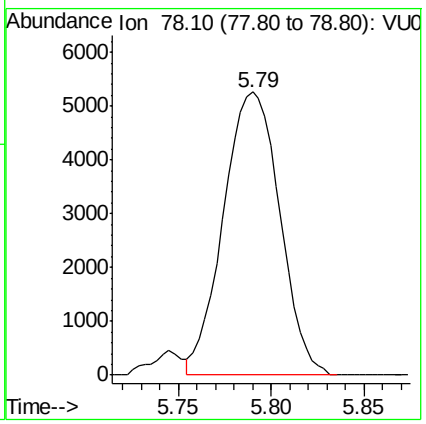


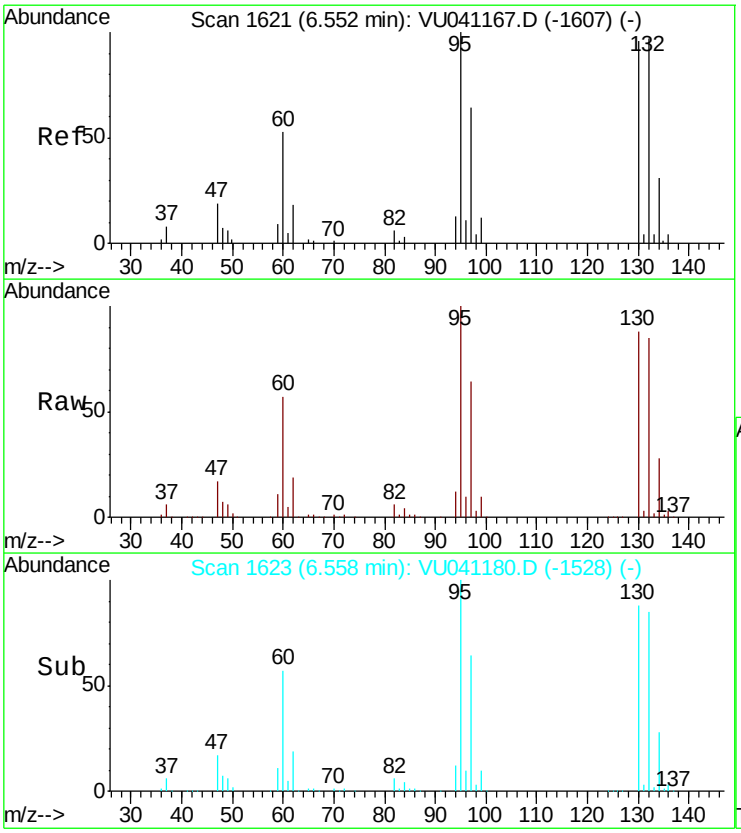



#33
Benzene
Concen: 0.689 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GB0W6

Tgt Ion: 78 Resp: 11082

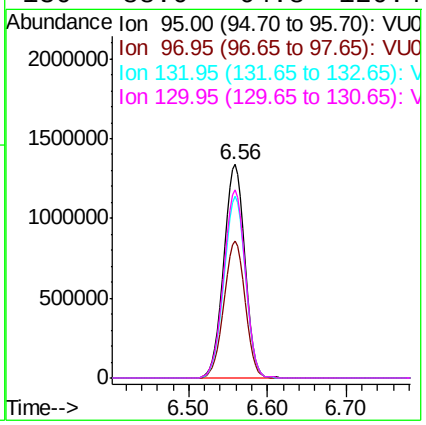


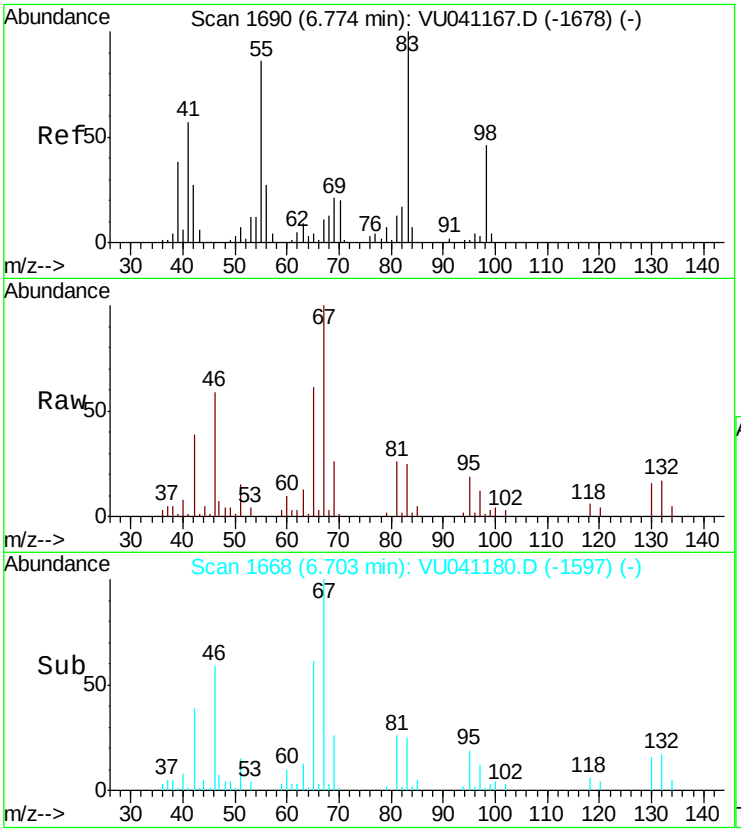




#34
Trichloroethene
Concen: 607.677 ug/L
RT: 6.56 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 95 Resp: 2485663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.2 | 45.6 | 84.6 |
| 132 | 85.0 | 64.8 | 120.4 |
| 130 | 88.0 | 64.8 | 120.4 |



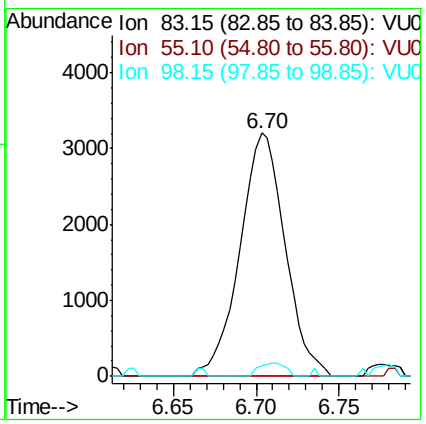


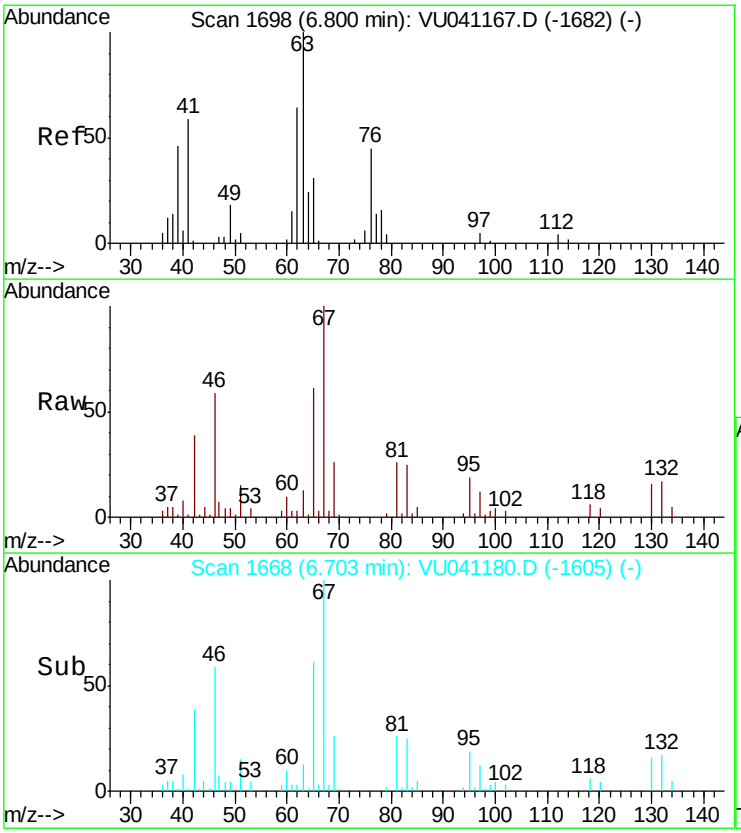

#35
Methylcyclohexane
Concen: 0.993 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :** MSVOA_U
**ClientSampleId :** GB0W6

Tgt Ion: 83 Resp: 6058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.6 | 72.0 | 108.0# |
| 98 | 0.0 | 36.6 | 55.0# |

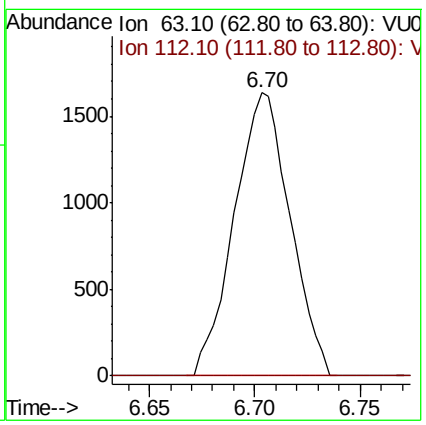


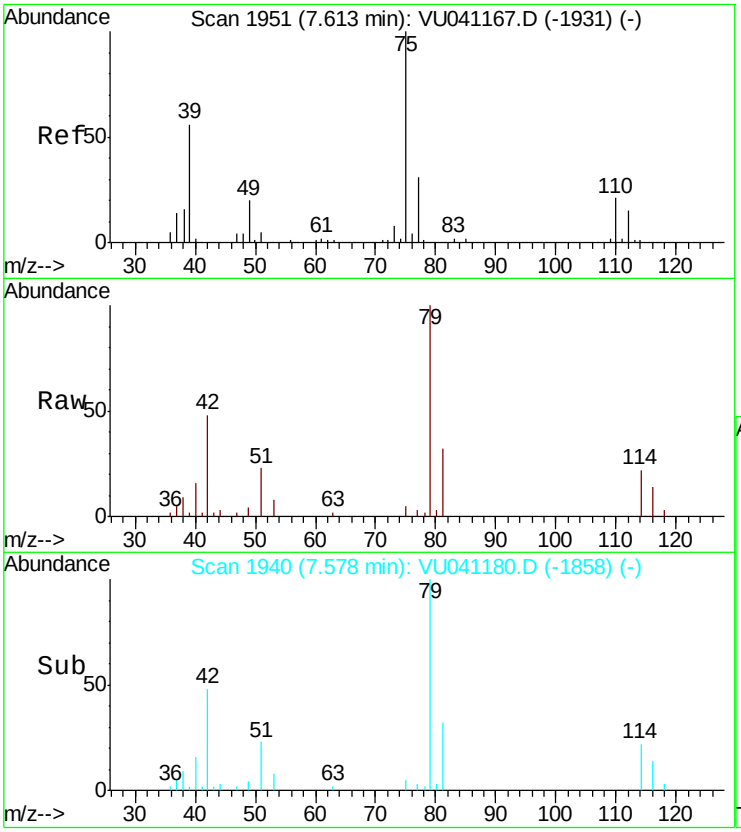




#37
1,2-Dichloropropane
Concen: 0.691 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 63 Resp: 3007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.6 | 5.4# |



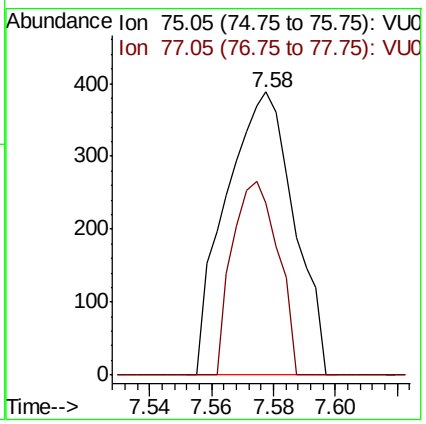


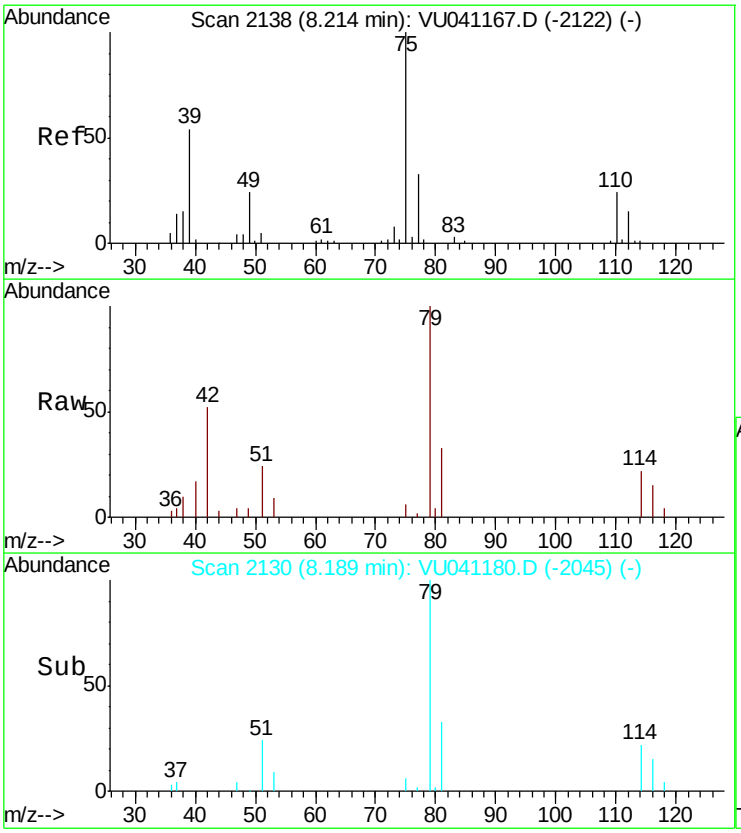

#39
cis-1,3-Dichloropropene
Concen: 0.099 ug/L
RT: 7.58 min Scan# 1940
Delta R.T. -0.04 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GB0W6

Tgt Ion: 75 Resp: 593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 60.8 | 22.7 | 42.3# |

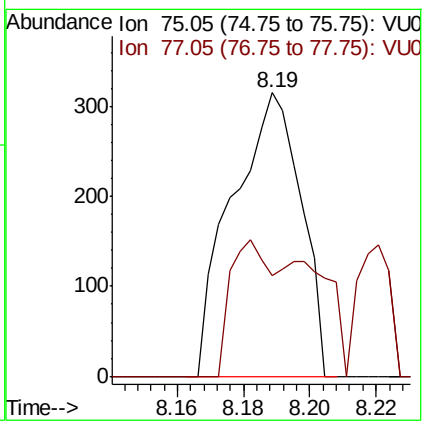


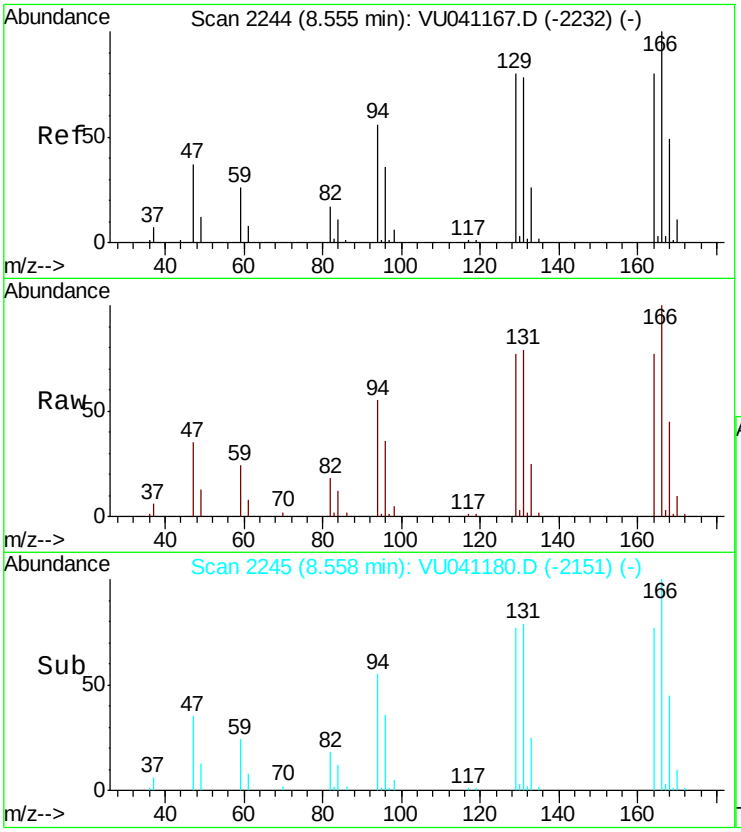




#44
trans-1,3-Dichloropropene
Concen: 0.081 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 75 Resp: 454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.6 | 23.3 | 43.3 |



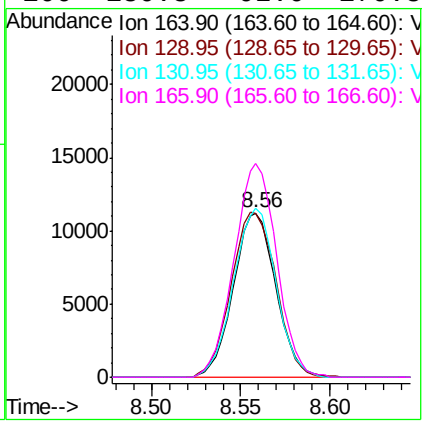


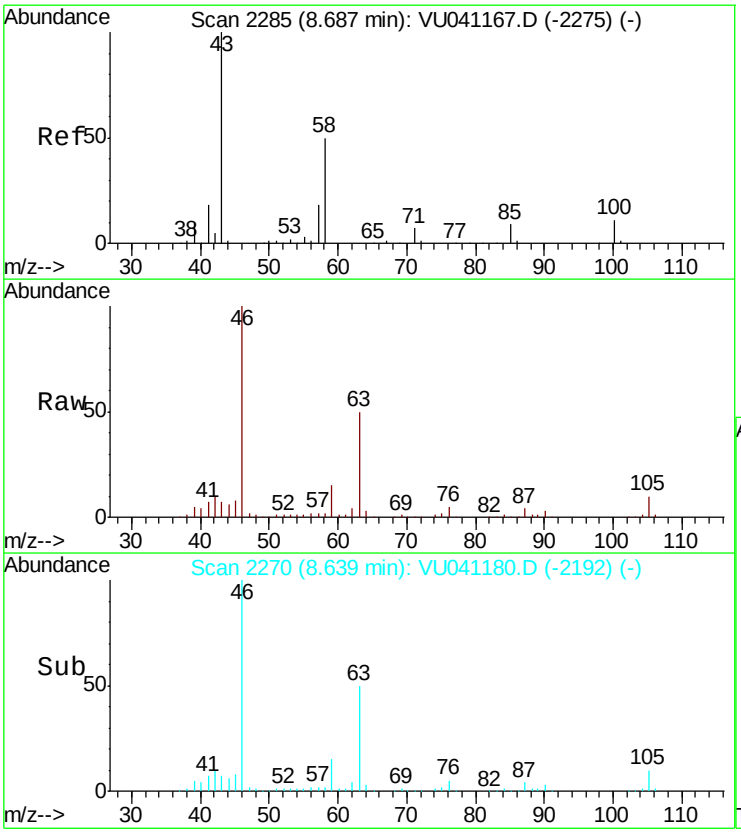

#47
Tetrachloroethene
Concen: 6.166 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GB0W6

Tgt Ion:164 Resp: 18545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 99.7 | 70.3 | 130.7 |
| 131 | 102.7 | 70.8 | 131.4 |
| 166 | 130.3 | 92.0 | 170.8 |

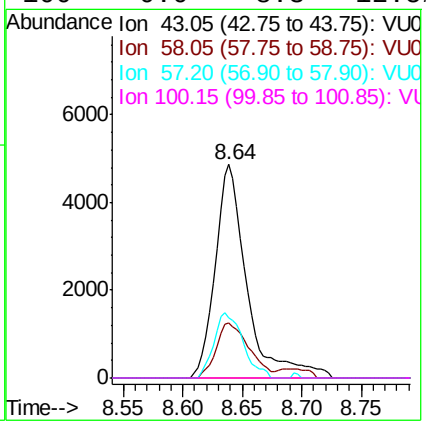


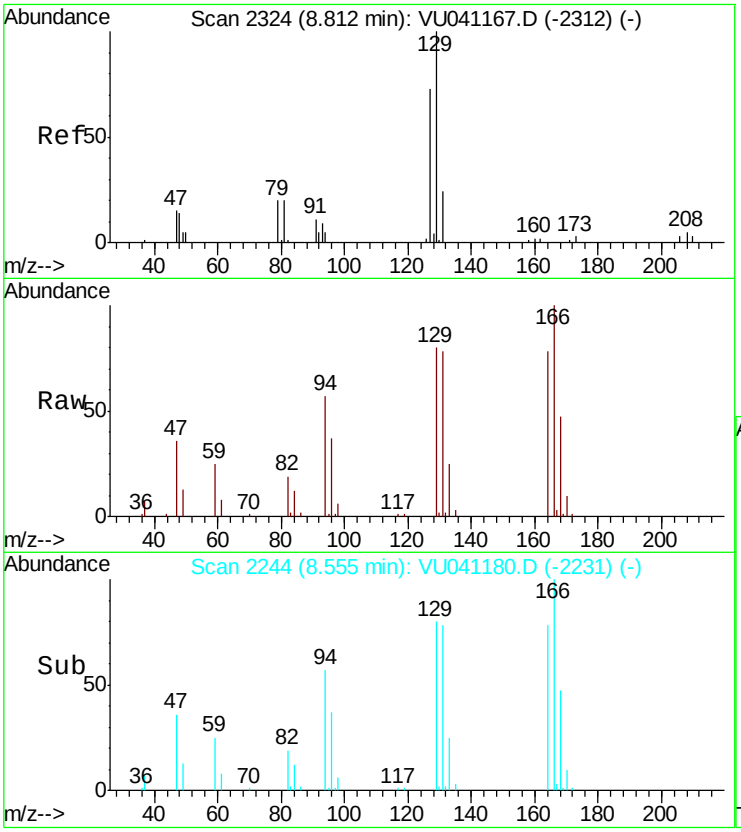




#48
2-Hexanone
Concen: 3.441 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 43 Resp: 8984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 41.4 | 62.2# |
| 57 | 28.0 | 14.6 | 21.8# |
| 100 | 0.0 | 8.3 | 12.5# |



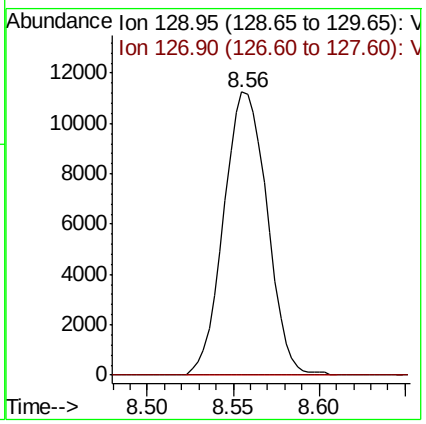


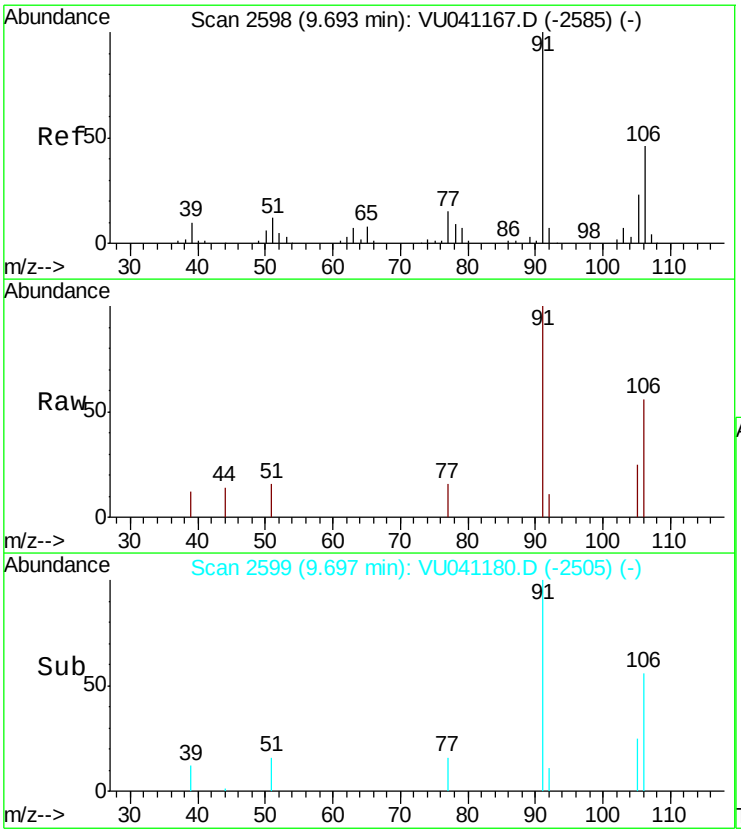

#49
Dibromochloromethane
Concen: 5.253 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GB0W6

Tgt Ion:129 Resp: 19750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 53.4 | 99.2# |

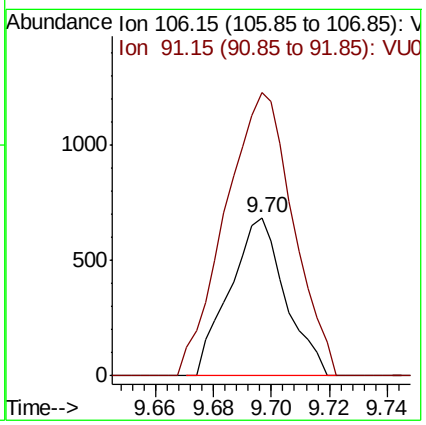


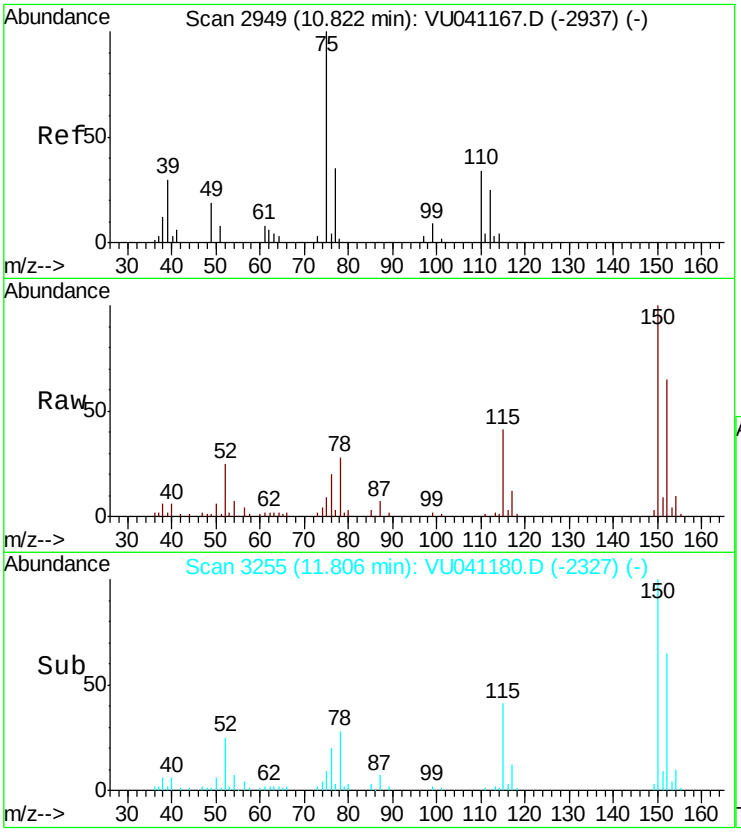




#53
m,p-Xylene
Concen: 0.145 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion:106 Resp: 909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 178.9 | 150.9 | 280.3 |






#59
1,2,3-Trichloropropane
Concen: 1.006 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GB0W6

Tgt Ion: 75 Resp: 3262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.3 | 25.7 | 38.5 |