Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100720\
Data File : VU040548.D
Acq On : 07 Oct 2020 16:19
Operator : SY/MD
Sample : L4485-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** MDL-WATER-05

Quant Time: Oct 08 01:21:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 08 01:13:08 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 272105 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 266297 | 50.00 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 128750 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 105940 | 45.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 90.66% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 86867 | 48.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 97.58% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 158830 | 35.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 71.24% | | | |
| 21) 2-Butanone-d5 | 4.64 | 46 | 214379 | 115.60 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 115.60% | | | |
| 24) Chloroform-d | 5.08 | 84 | 191230 | 47.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.88% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 132704 | 47.27 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.54% | | | |
| 32) Benzene-d6 | 5.75 | 84 | 367203 | 48.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 96.90% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 121834 | 47.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 95.92% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 316318 | 46.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 92.08% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 58909 | 46.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 92.66% | | | |
| 47) 2-Hexanone-d5 | 8.64 | 63 | 133193 | 112.48 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 112.48% | | | |
| 56) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 179901 | 49.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 98.06% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 128395 | 49.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 6485 | 2.475 | ug/L | 99 |
| 3) Chloromethane | 1.53 | 50 | 6683 | 2.427 | ug/L | 92 |
| 5) Vinyl chloride | 1.61 | 62 | 6766 | 2.482 | ug/L # | 66 |
| 6) Bromomethane | 1.86 | 94 | 3377 | 2.360 | ug/L | 98 |
| 8) Chloroethane | 1.94 | 64 | 4454 | 2.708 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 8774 | 2.509 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 6696 | 3.212 | ug/L # | 86 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 5930 | 3.077 | ug/L # | 1 |
| 13) Acetone | 2.64 | 43 | 11002 | 6.177 | ug/L | 100 |
| 14) Carbon disulfide | 2.81 | 76 | 15996 | 2.418 | ug/L | 98 |
| 15) Methyl Acetate | 2.96 | 43 | 7802 | 2.686 | ug/L | 100 |
| 16) Methylene chloride | 3.06 | 84 | 5712 | 2.499 | ug/L | 94 |
| 17) trans-1,2-Dichloroethene | 3.37 | 96 | 5013 | 2.442 | ug/L | 95 |
| 18) Methyl tert-butyl Ether | 3.39 | 73 | 13857 | 2.146 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 9999 | 2.442 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 4.68 | 96 | 5337 | 2.413 | ug/L | 90 |
| 22) 2-Butanone | 4.72 | 43 | 12131 | 5.339 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100720\
Data File : VU040548.D
Acq On : 07 Oct 2020 16:19
Operator : SY/MD
Sample : L4485-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** MDL-WATER-05

Quant Time: Oct 08 01:21:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 08 01:13:08 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 2717 | 2.357 | ug/L | | 89 |
| 25) Chloroform | 5.11 | 83 | 11886 | 2.847 | ug/L | | 95 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 8840 | 2.566 | ug/L | | 97 |
| 29) Cyclohexane | 5.40 | 56 | 8165 | 2.290 | ug/L | | 99 |
| 30) 1,1,1-Trichloroethane | 5.34 | 97 | 8013 | 2.343 | ug/L | | 95 |
| 31) Carbon tetrachloride | 5.54 | 117 | 6926 | 2.342 | ug/L | | 98 |
| 33) Benzene | 5.79 | 78 | 21809 | 2.534 | ug/L | | 100 |
| 34) Trichloroethene | 6.56 | 95 | 5070 | 2.287 | ug/L | | 94 |
| 35) Methylcyclohexane | 6.78 | 83 | 7634 | 2.265 | ug/L | | 96 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 6003 | 2.540 | ug/L | # | 94 |
| 38) Bromodichloromethane | 7.12 | 83 | 7175 | 2.337 | ug/L | # | 98 |
| 39) cis-1,3-Dichloropropene | 7.61 | 75 | 7722 | 2.229 | ug/L | | 91 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 16856 | 4.520 | ug/L | | 98 |
| 42) Toluene | 7.98 | 91 | 20036 | 2.280 | ug/L | | 91 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 8617 | 2.471 | ug/L | | 97 |
| 45) 1,1,2-Trichloroethane | 8.41 | 97 | 5193 | 2.453 | ug/L | | 87 |
| 46) Tetrachloroethene | 8.56 | 164 | 4087 | 2.551 | ug/L | | 97 |
| 48) 2-Hexanone | 8.69 | 43 | 16947 | 5.591 | ug/L | | 92 |
| 49) Dibromochloromethane | 8.81 | 129 | 5589 | 2.417 | ug/L | | 97 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 5357 | 2.387 | ug/L | # | 94 |
| 51) Chlorobenzene | 9.45 | 112 | 13817 | 2.397 | ug/L | | 97 |
| 52) Ethylbenzene | 9.57 | 91 | 21690 | 2.224 | ug/L | | 98 |
| 53) m,p-Xylene | 9.69 | 106 | 7414 | 2.064 | ug/L | | 89 |
| 54) o-xylene | 10.10 | 106 | 6723 | 1.967 | ug/L | | 97 |
| 55) Styrene | 10.11 | 104 | 11425 | 1.898 | ug/L | | 95 |
| 57) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 9299 | 2.483 | ug/L | # | 96 |
| 59) Bromoform | 10.29 | 173 | 3678 | 2.331 | ug/L | | 96 |
| 60) 1,2,3-Trichloropropane | 10.82 | 75 | 7387 | 2.526 | ug/L | | 96 |
| 61) Isopropylbenzene | 10.48 | 105 | 17168 | 1.986 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.09 | 105 | 13436 | 1.891 | ug/L | | 96 |
| 63) 1,2,4-Trimethylbenzene | 11.47 | 105 | 12586 | 1.747 | ug/L | | 96 |
| 64) 1,3-Dichlorobenzene | 11.74 | 146 | 9425 | 2.236 | ug/L | | 96 |
| 65) 1,4-Dichlorobenzene | 11.83 | 146 | 10868 | 2.454 | ug/L | | 96 |
| 67) 1,2-Dichlorobenzene | 12.21 | 146 | 11087 | 2.625 | ug/L | | 99 |
| 68) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 2248 | 2.736 | ug/L | | 94 |
| 69) 1,3,5-Trichlorobenzene | 13.21 | 180 | 6287 | 2.276 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 13.83 | 180 | 4405 | 1.840 | ug/L | | 98 |
| 71) Naphthalene | 14.08 | 128 | 7674 | 1.037 | ug/L | | 98 |
| 72) 1,2,3-Trichlorobenzene | 14.32 | 180 | 3855 | 1.622 | ug/L | | 99 |

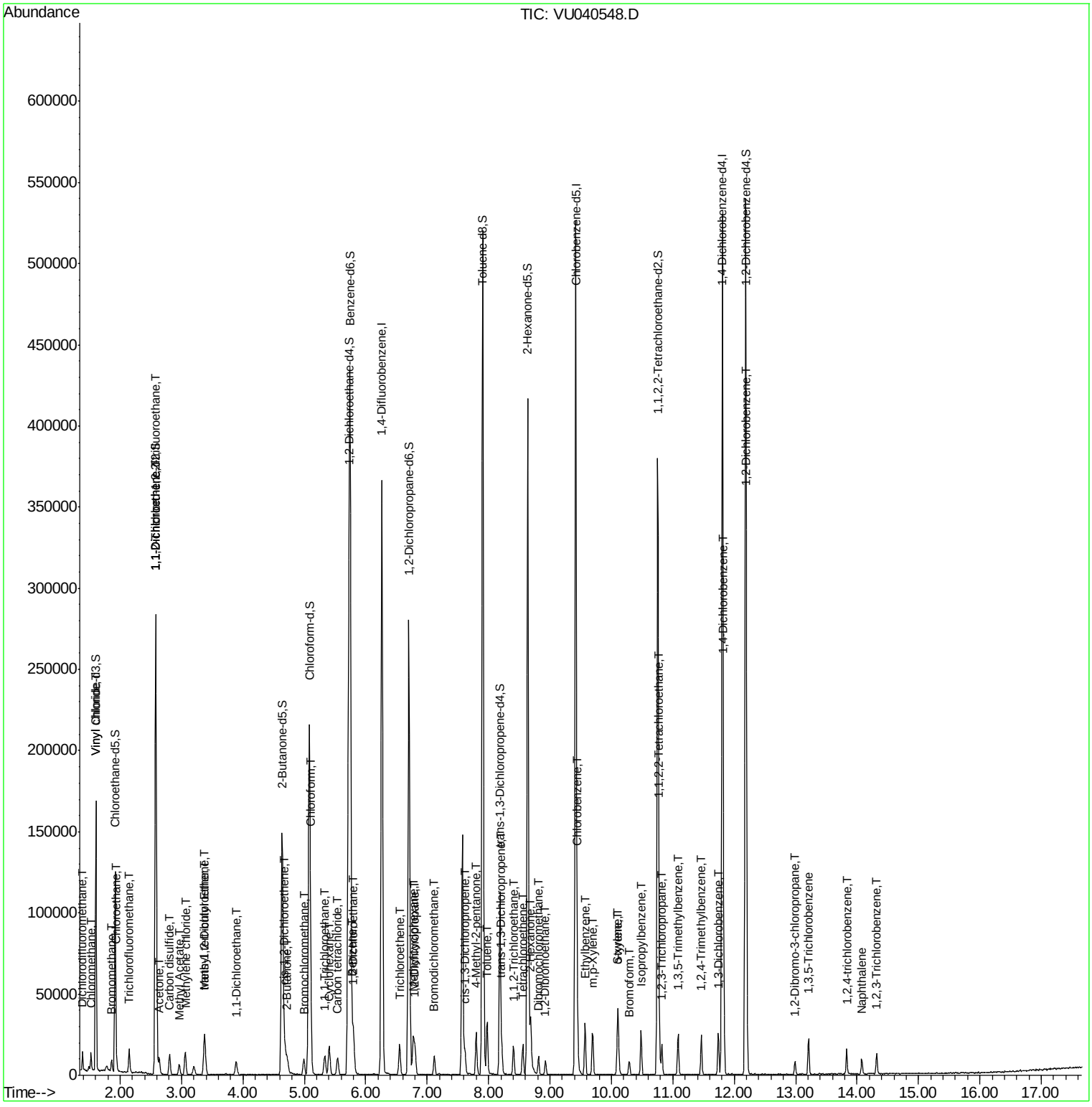
(#) = qualifier out of range (m) = manual integration (+) = signals summed

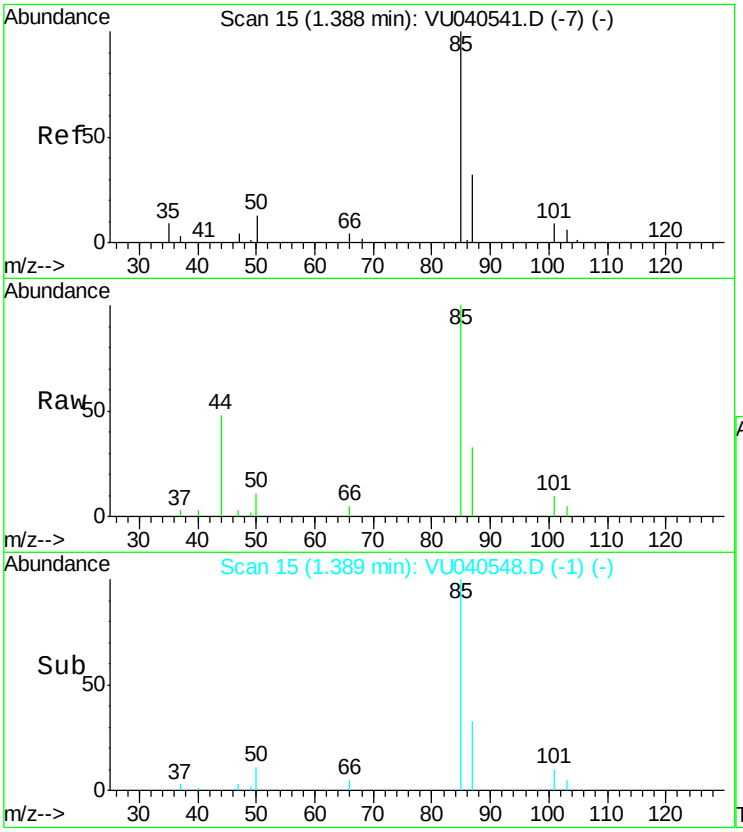
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100720\
Data File : VU040548.D
Acq On : 07 Oct 2020 16:19
Operator : SY/MD
Sample : L4485-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** MDL-WATER-05

Quant Time: Oct 08 01:21:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 08 01:13:08 2020
Response via : Initial Calibration



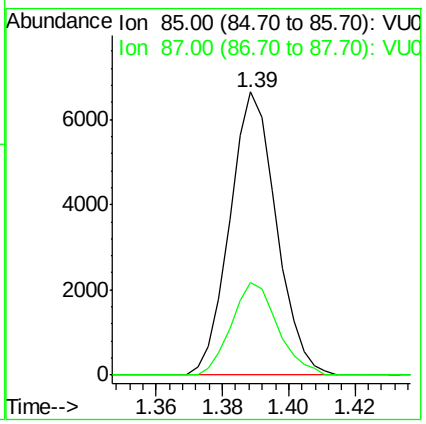


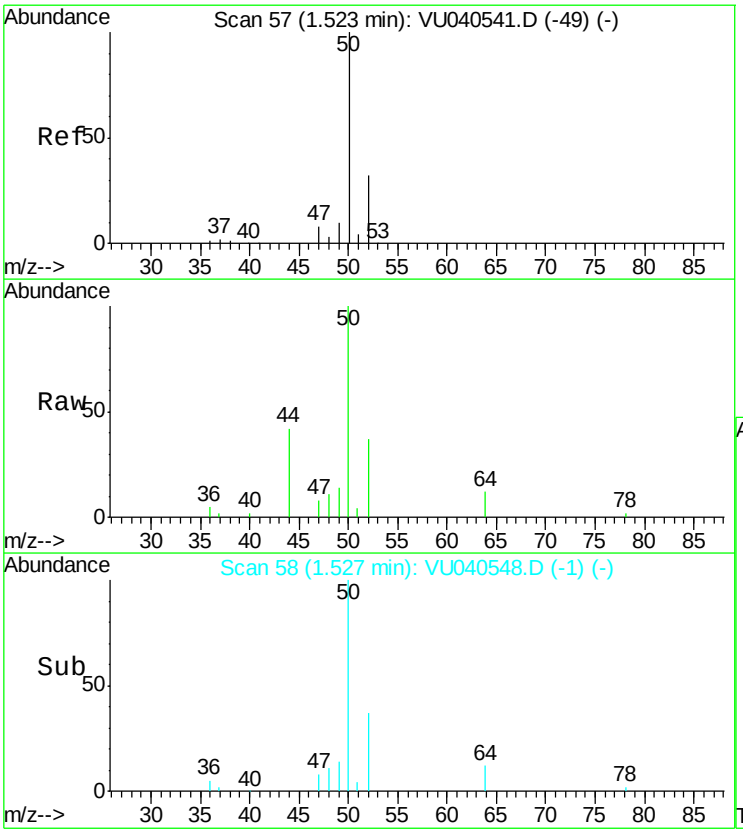

#2
Dichlorodifluoromethane
Concen: 2.475 ug/L
RT: 1.39 min Scan# 15
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 85 Resp: 6485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 26.5 | 39.7 |

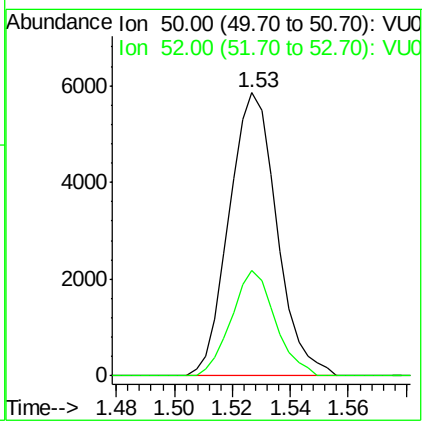


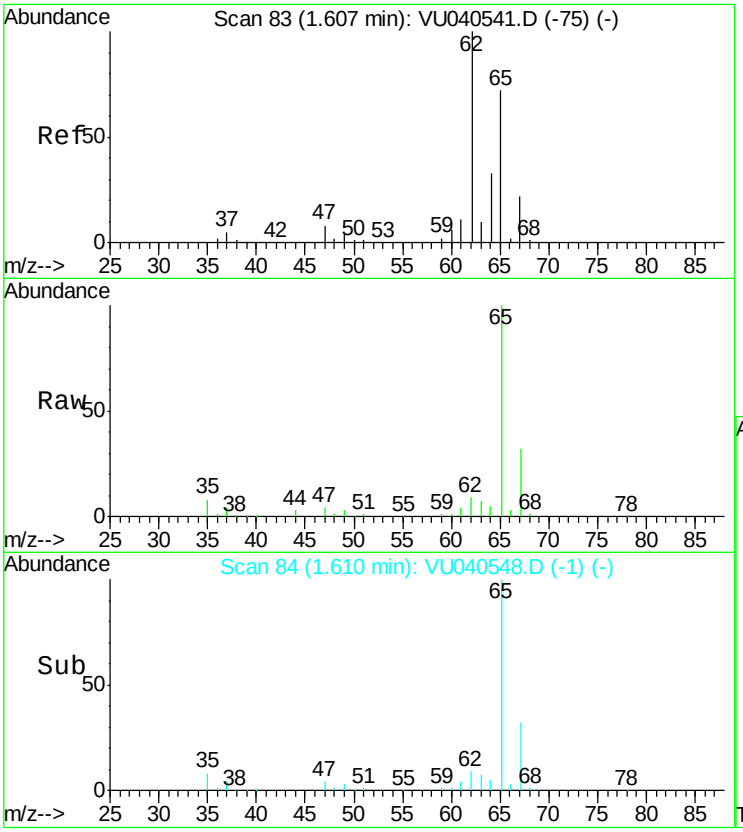




#3
Chloromethane
Concen: 2.427 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 50 Resp: 6683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 37.2 | 22.9 | 42.5 |



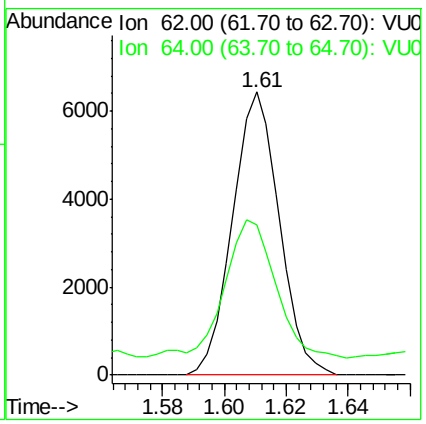


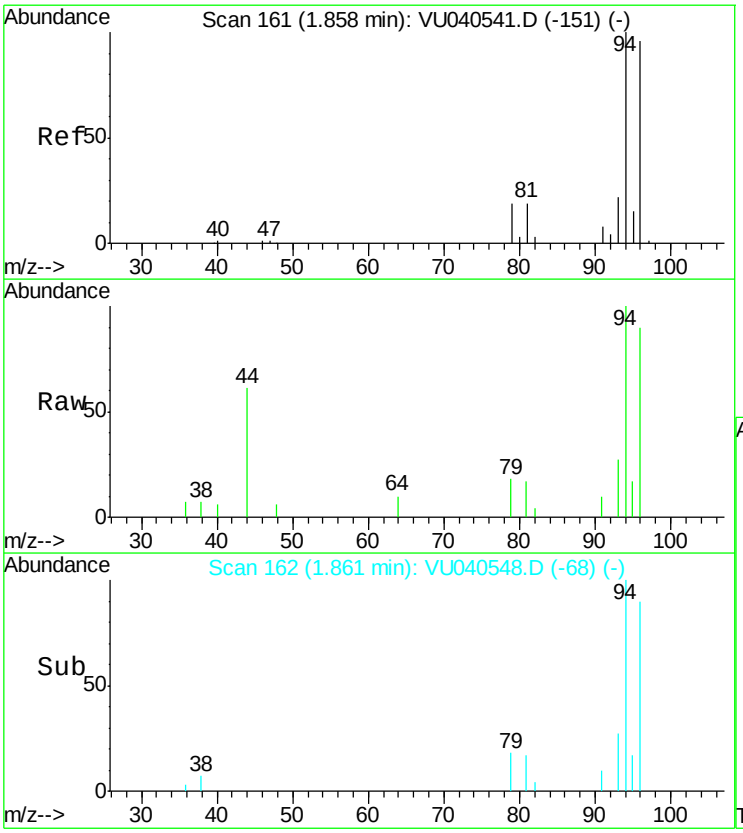

#5
Vinyl chloride
Concen: 2.482 ug/L
RT: 1.61 min Scan# 84
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 62 Resp: 6766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 53.0 | 23.4 | 43.6# |

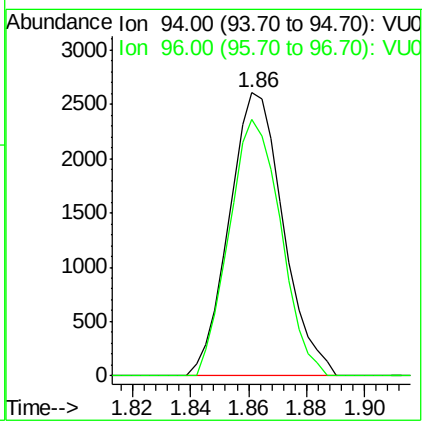


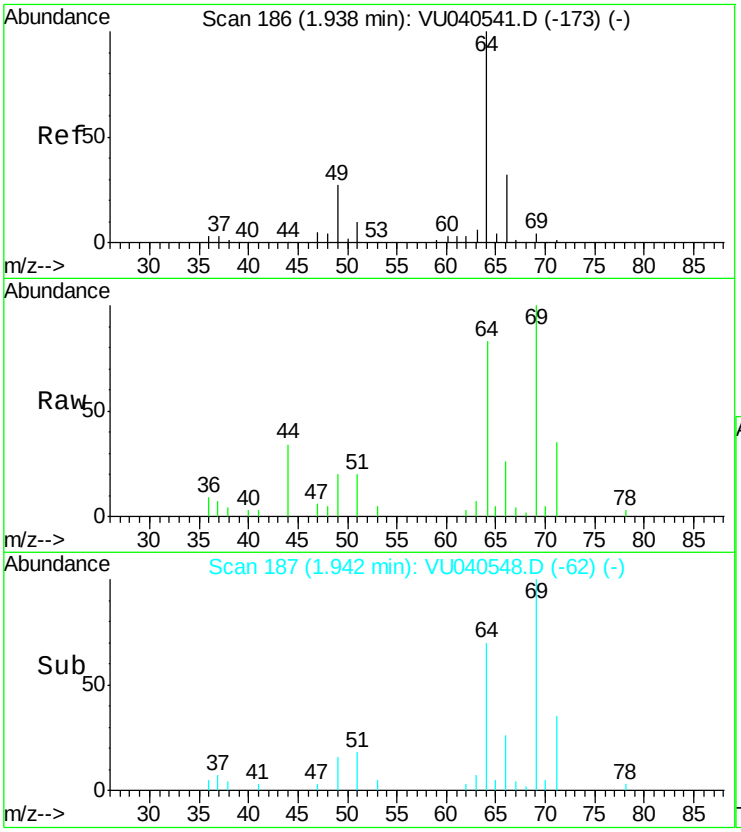




#6
Bromomethane
Concen: 2.360 ug/L
RT: 1.86 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 94 Resp: 3377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.5 | 64.4 | 119.6 |



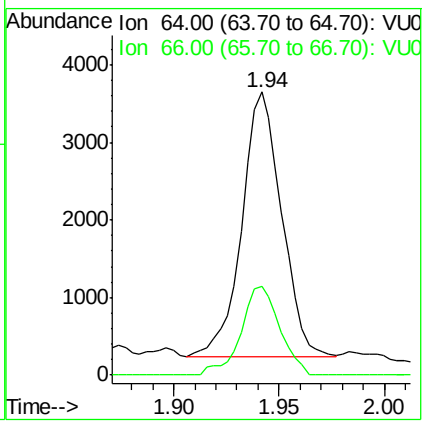


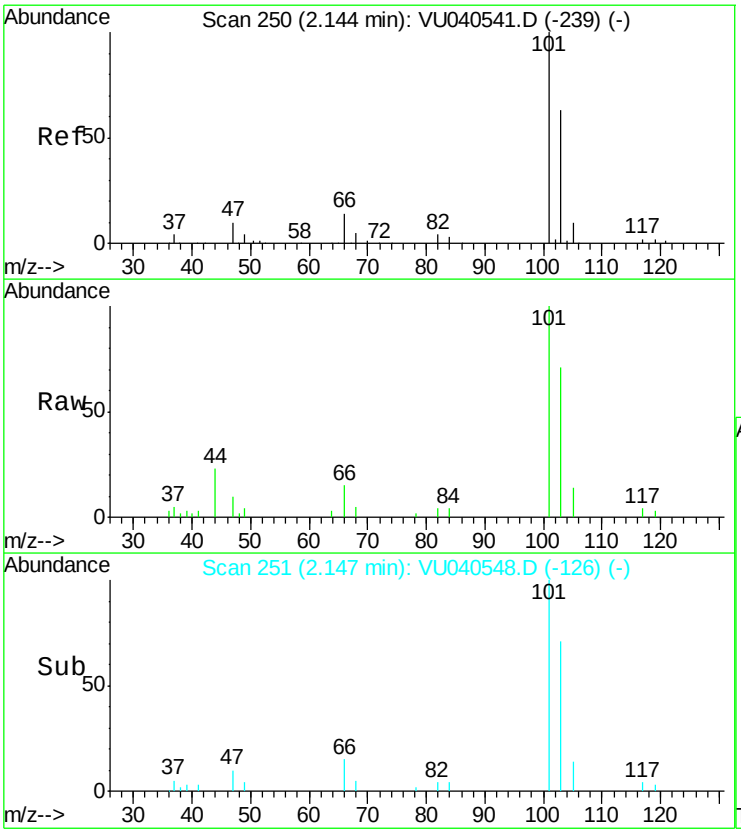

#8
Chloroethane
Concen: 2.708 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 64 Resp: 4454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.4 | 22.5 | 41.9 |

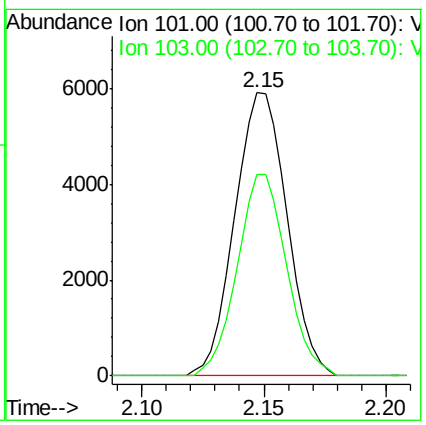


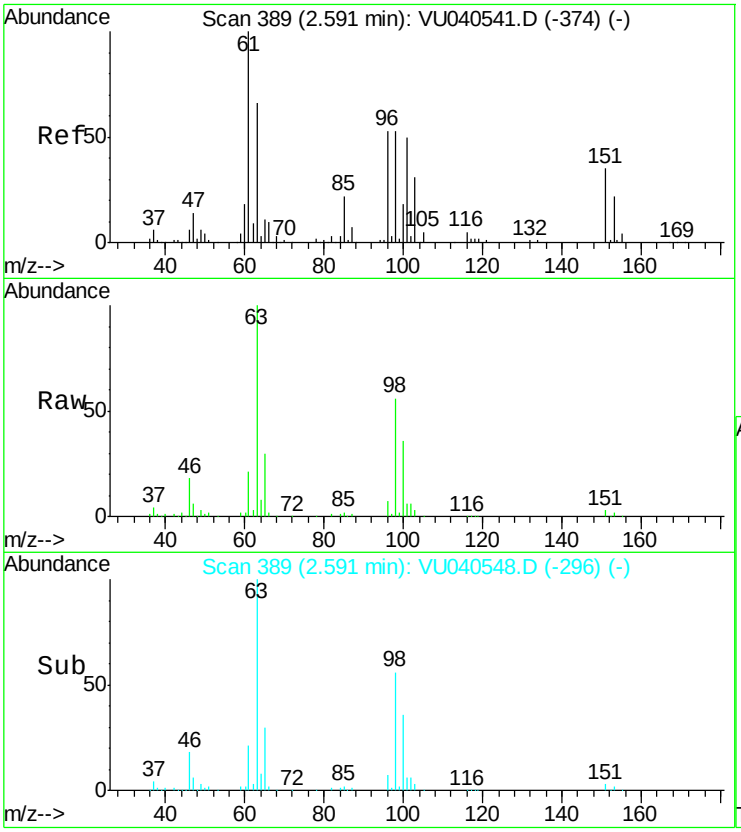




#9
Trichlorofluoromethane
Concen: 2.509 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:101 Resp: 8774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.1 | 52.1 | 78.1 |



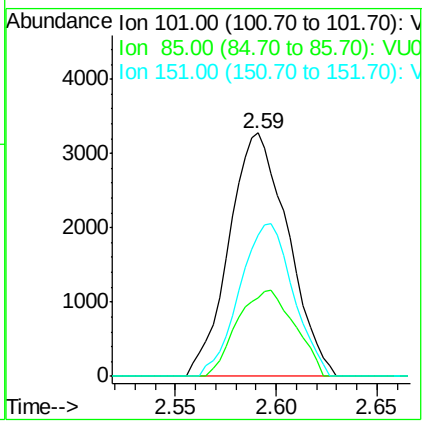


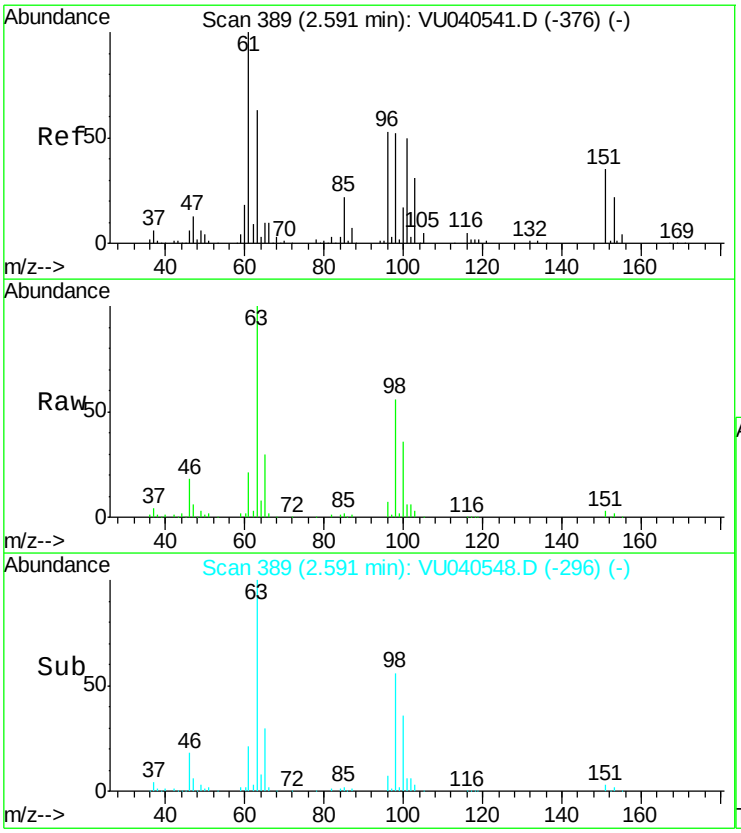

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.212 ug/L
RT: 2.59 min Scan# 389
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:101 Resp: 6696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 34.5 | 35.4 | 53.2# |
| 151 | 57.2 | 54.8 | 82.2 |

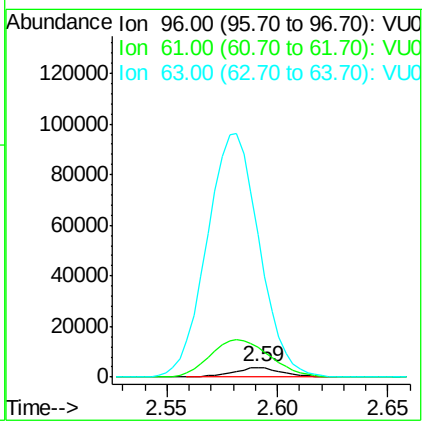


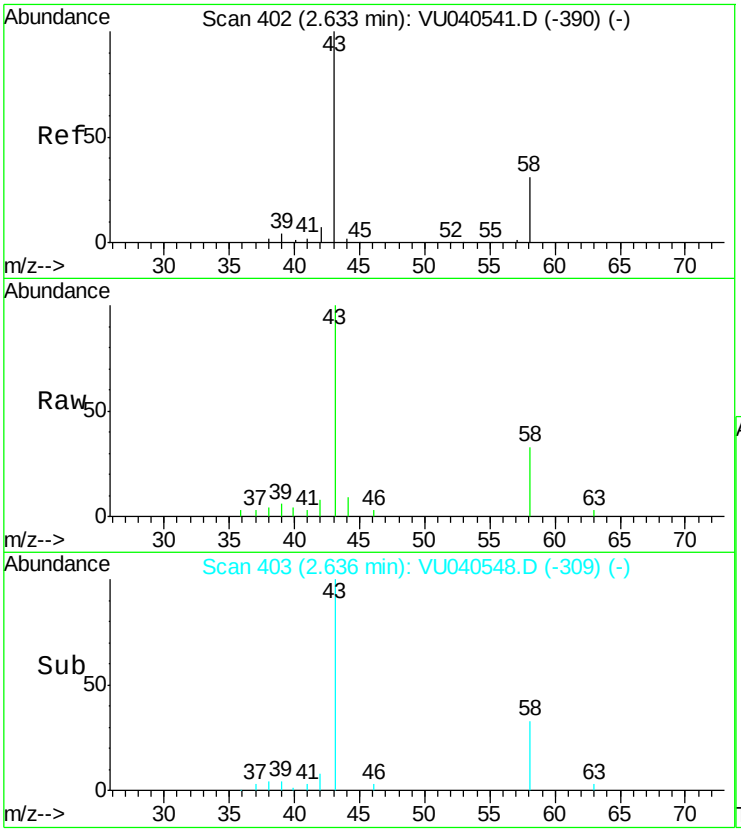




#12
1,1-Dichloroethene
Concen: 3.077 ug/L
RT: 2.59 min Scan# 389
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 96 Resp: 5930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 321.7 | 135.0 | 250.8# |
| 63 | 1517.5 | 101.4 | 188.2# |



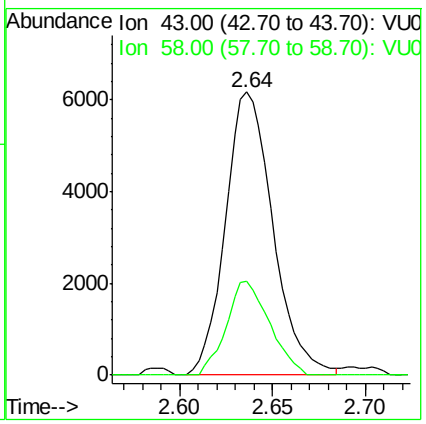


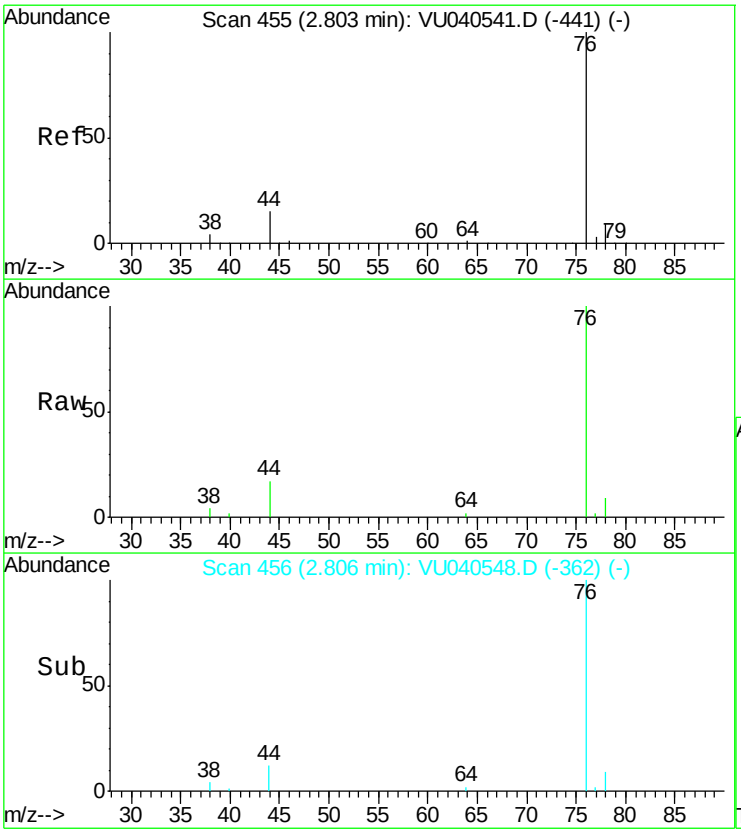

#13
Acetone
Concen: 6.177 ug/L
RT: 2.64 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 43 Resp: 11002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 0.0 | 60.2 |

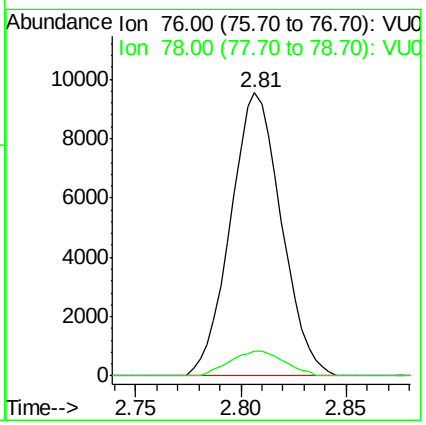


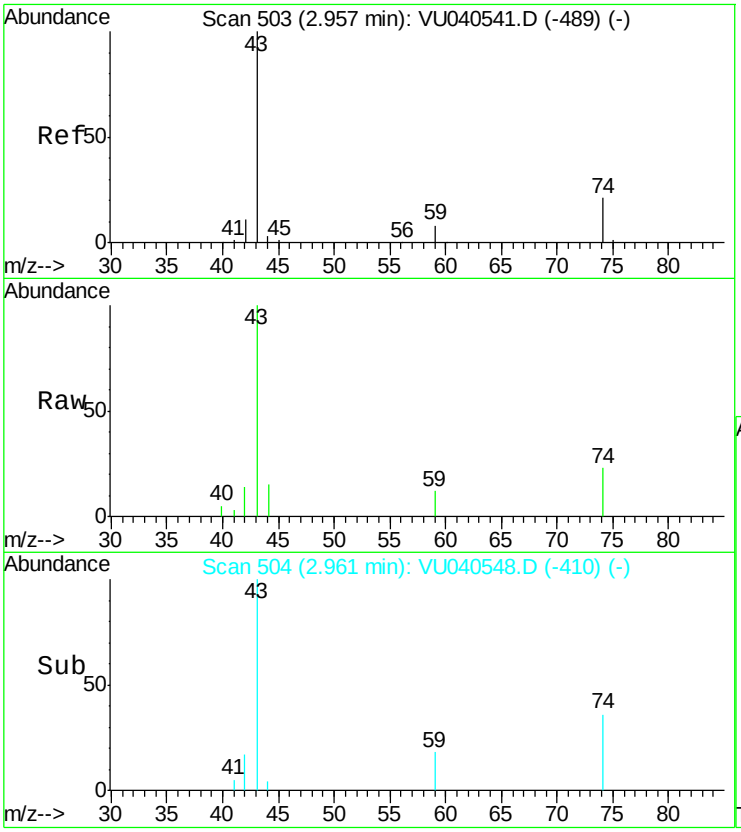




#14
Carbon disulfide
Concen: 2.418 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 76 Resp: 15996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.4 | 11.0 |



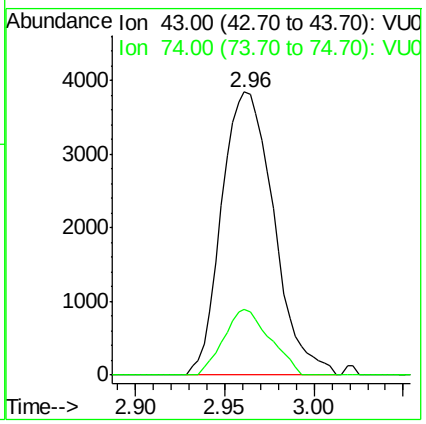


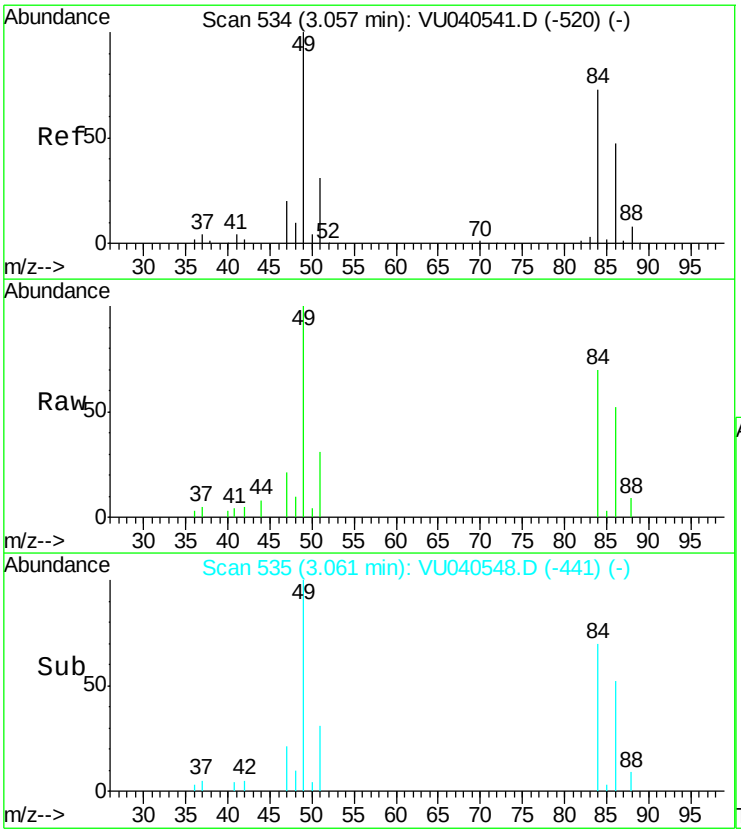

#15
Methyl Acetate
Concen: 2.686 ug/L
RT: 2.96 min Scan# 504
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 43 Resp: 7802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.7 | 16.4 | 24.6 |

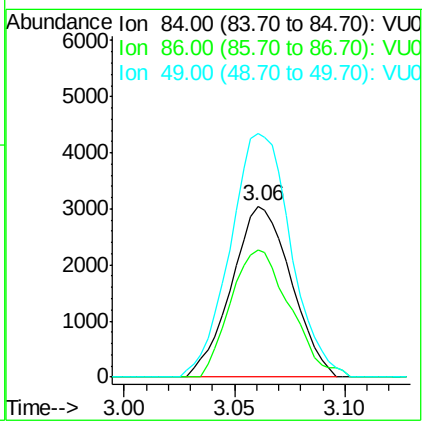


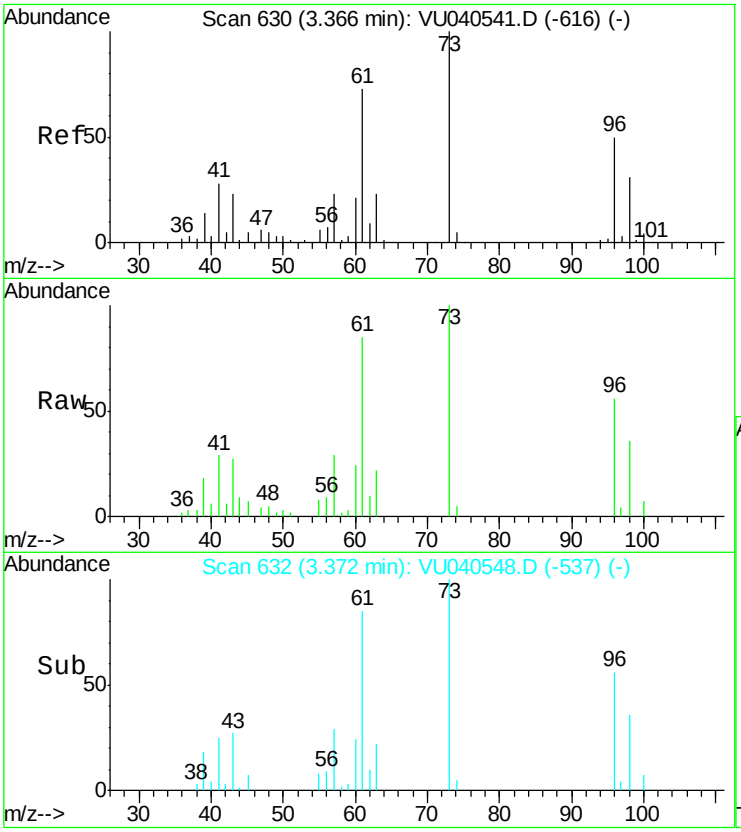




#16
Methylene chloride
Concen: 2.499 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 84 Resp: 5712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 74.1 | 45.4 | 84.4 |
| 49 | 142.2 | 102.9 | 191.1 |



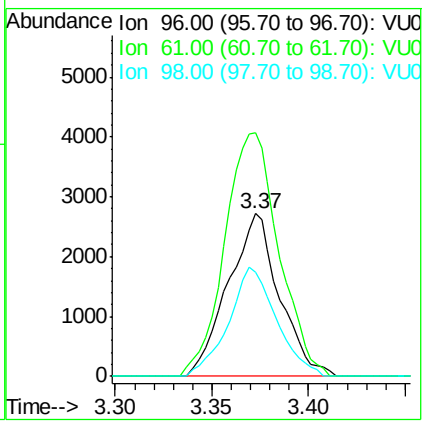


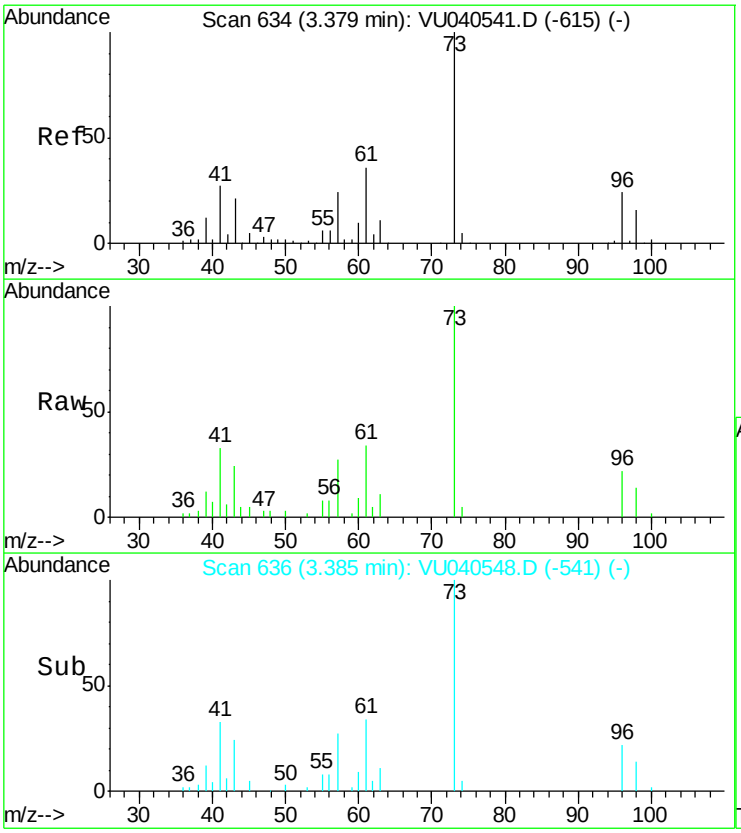

#17
trans-1,2-Dichloroethene
Concen: 2.442 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 96 Resp: 5013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 109.6 | 203.6 |
| 98 | 64.5 | 43.3 | 80.3 |

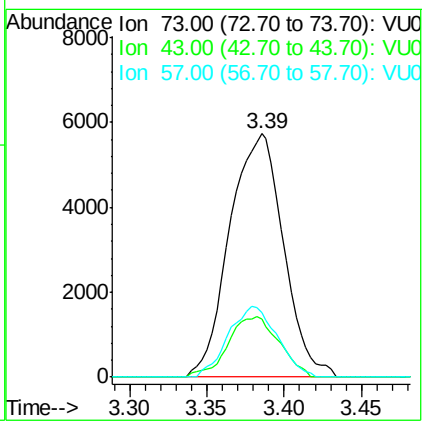


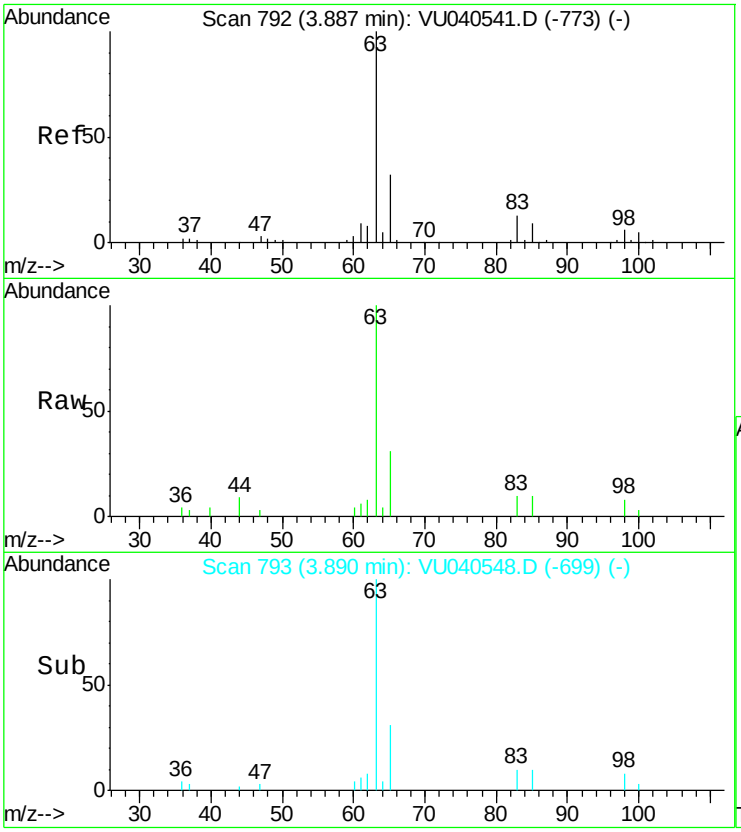




#18
Methyl tert-butyl Ether
Concen: 2.146 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 73 Resp: 13857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 23.6 | 18.2 | 27.2 |
| 57 | 26.4 | 18.5 | 27.7 |



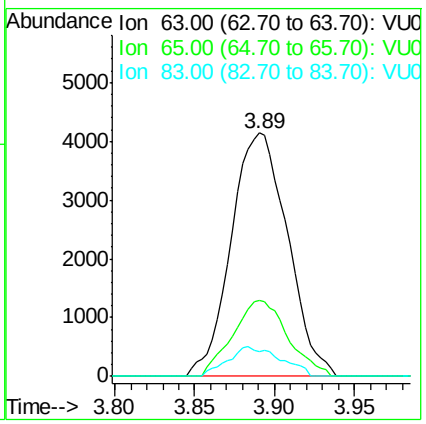


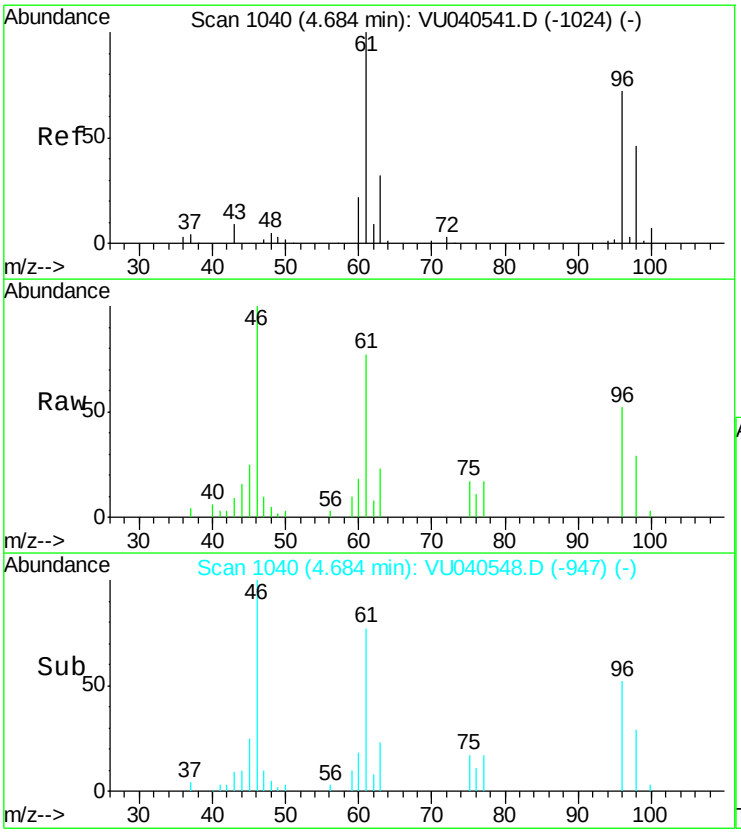

#19
1,1-Dichloroethane
Concen: 2.442 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 63 Resp: 9999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 22.6 | 42.0 |
| 83 | 10.3 | 9.1 | 16.9 |

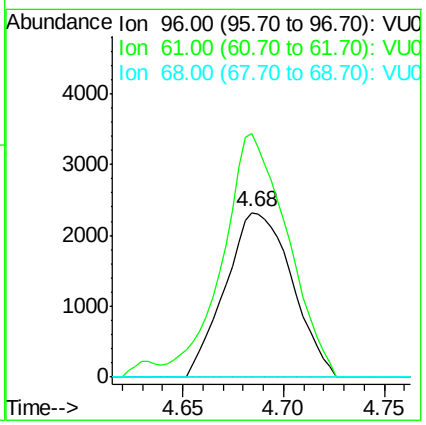


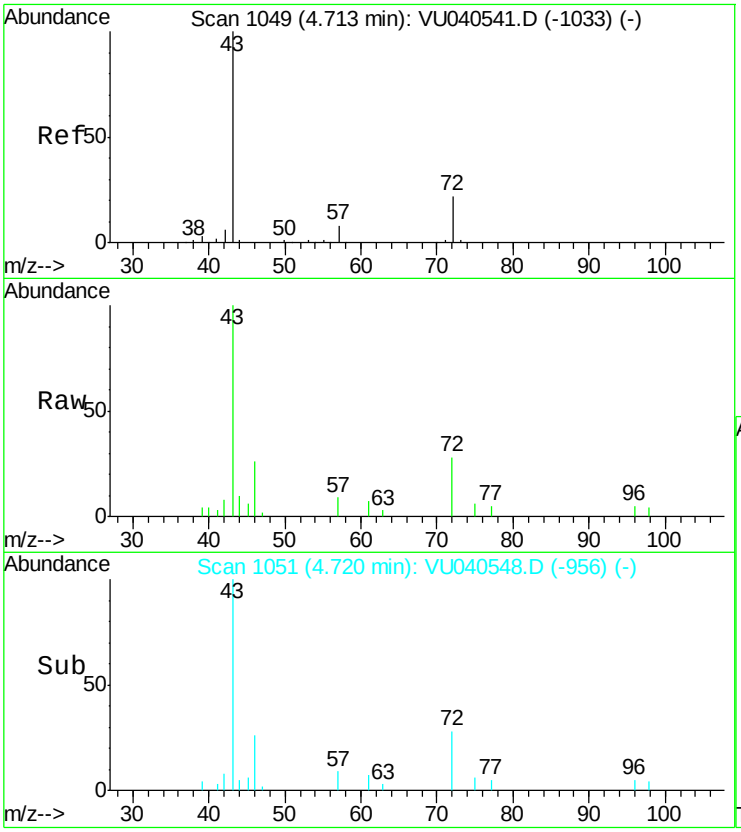




#20
cis-1,2-Dichloroethene
Concen: 2.413 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 96 Resp: 5337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.1 | 95.7 | 177.7 |
| 68 | 0.0 | 0.0 | 0.0 |



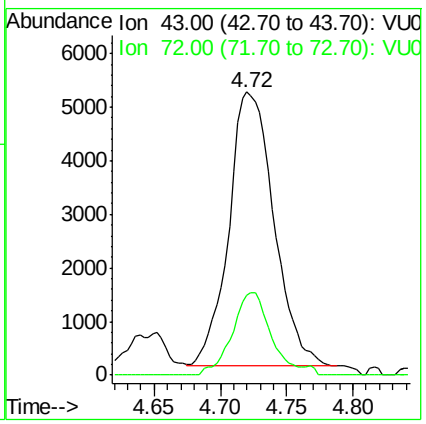


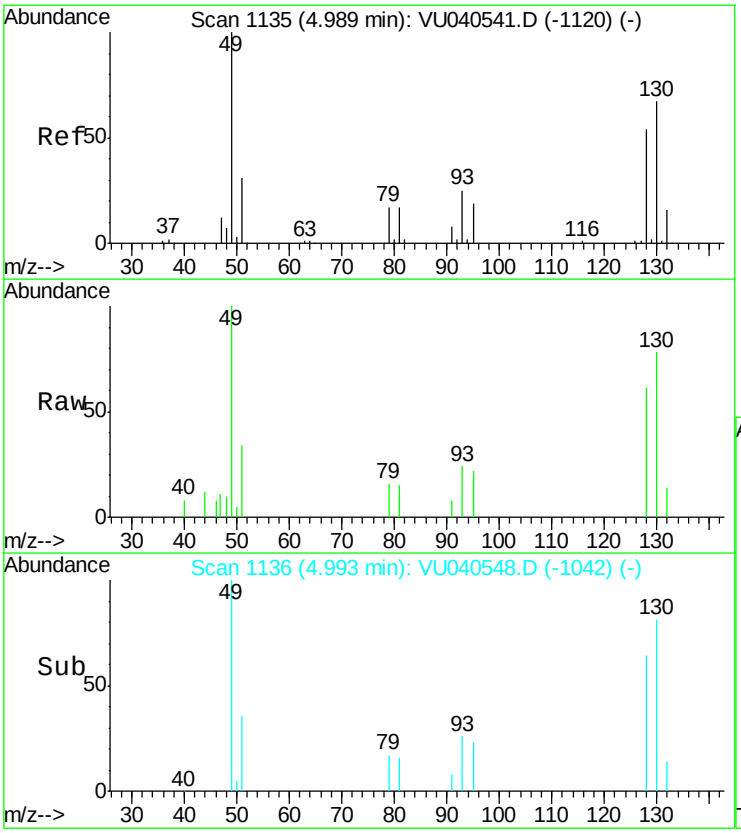

#22
2-Butanone
Concen: 5.339 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 43 Resp: 12131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.6 | 11.9 | 35.9 |

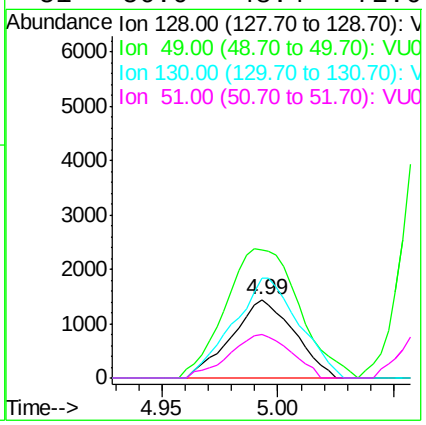


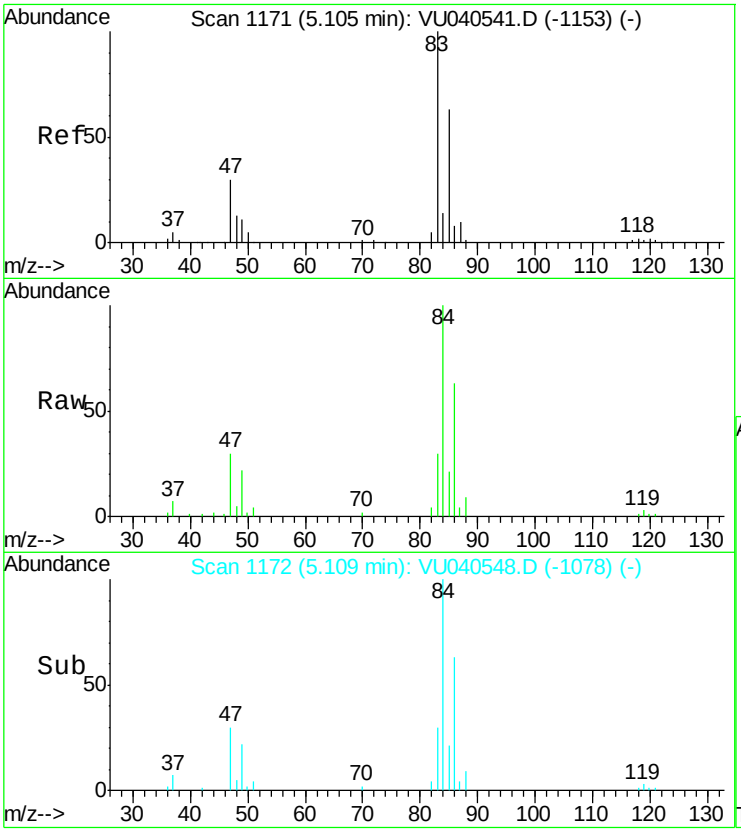




#23
Bromochloromethane
Concen: 2.357 ug/L
RT: 4.99 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:128 Resp: 2717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 163.8 | 133.1 | 247.3 |
| 130 | 127.3 | 90.5 | 168.1 |
| 51 | 56.0 | 48.4 | 72.6 |



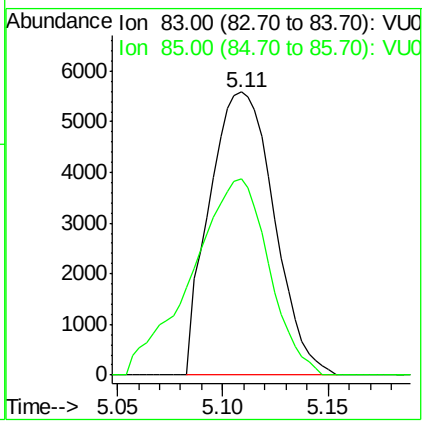


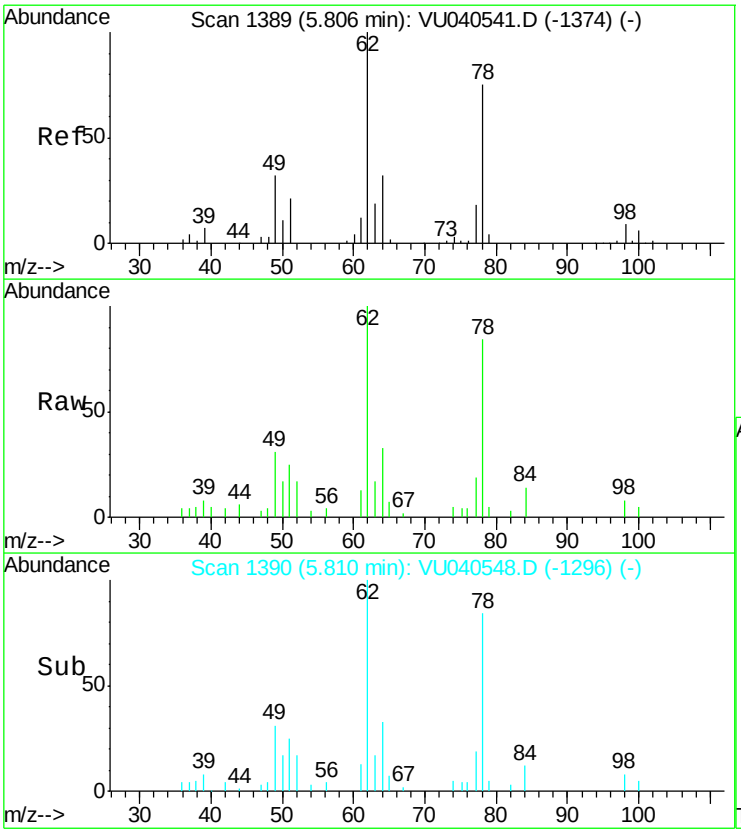

#25
Chloroform
Concen: 2.847 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 83 Resp: 11886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 69.5 | 45.6 | 84.8 |

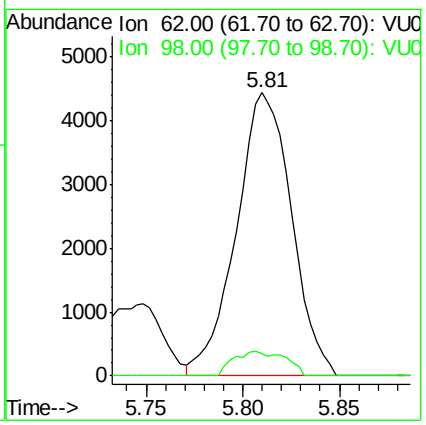


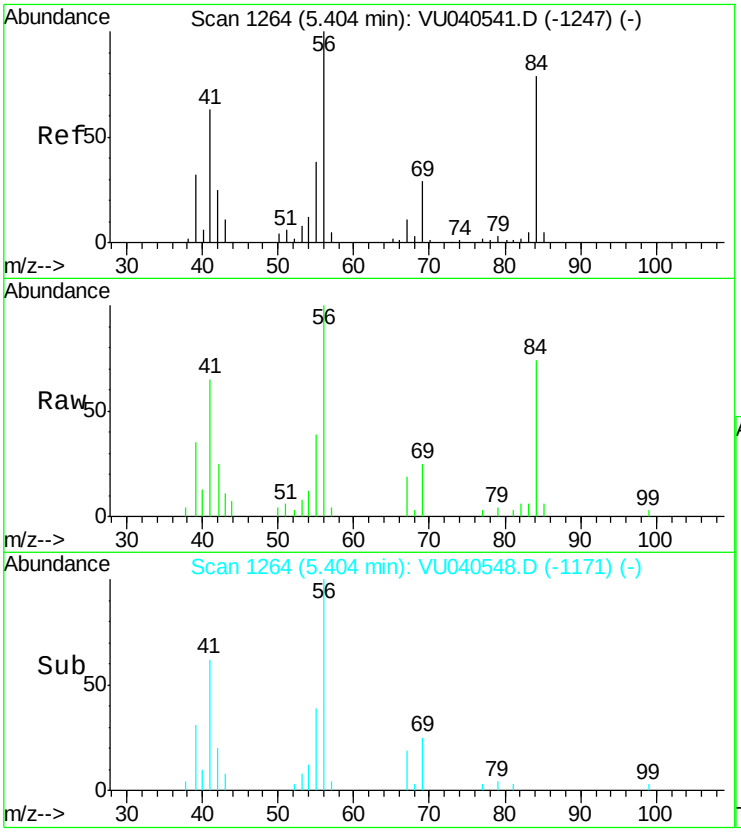




#27
1,2-Dichloroethane
Concen: 2.566 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 62 Resp: 8840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.9 | 7.1 | 10.7 |



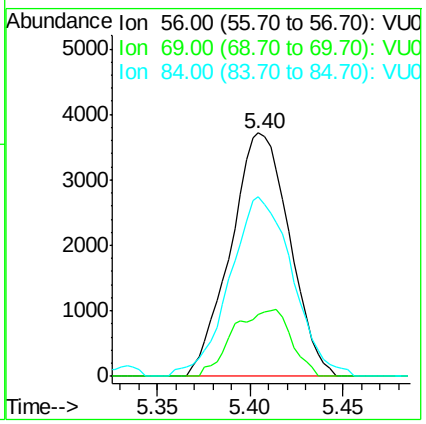


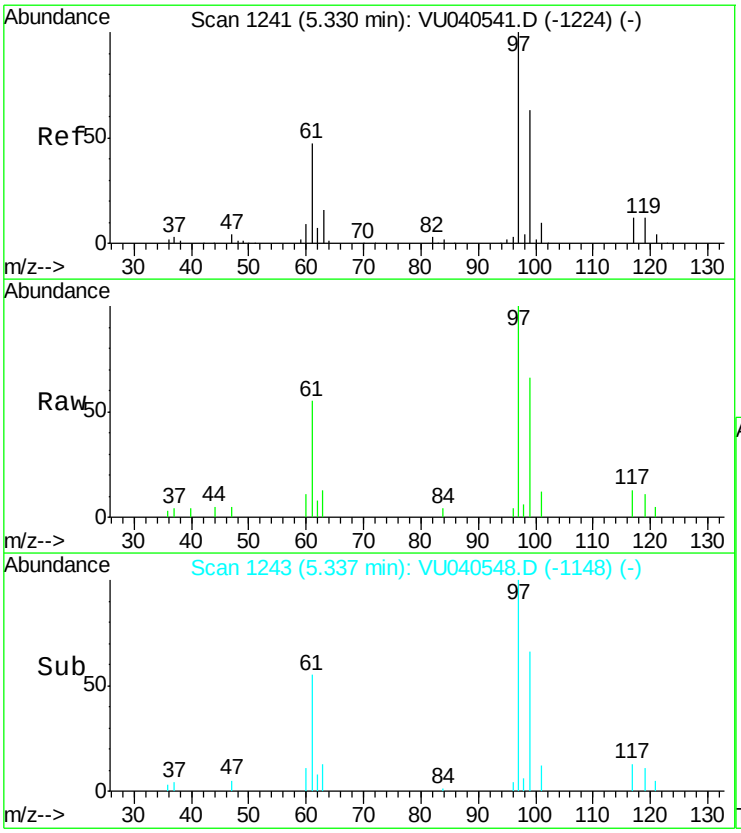

#29
Cyclohexane
Concen: 2.290 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 56 Resp: 8165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.0 | 22.6 | 34.0 |
| 84 | 78.8 | 63.1 | 94.7 |

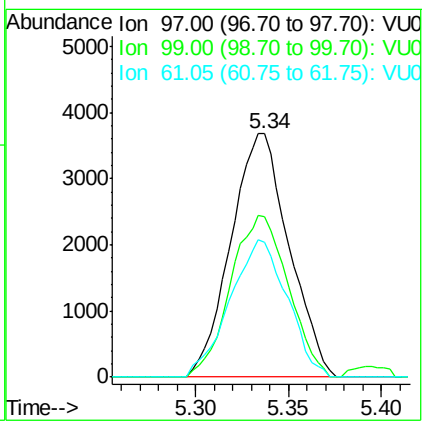


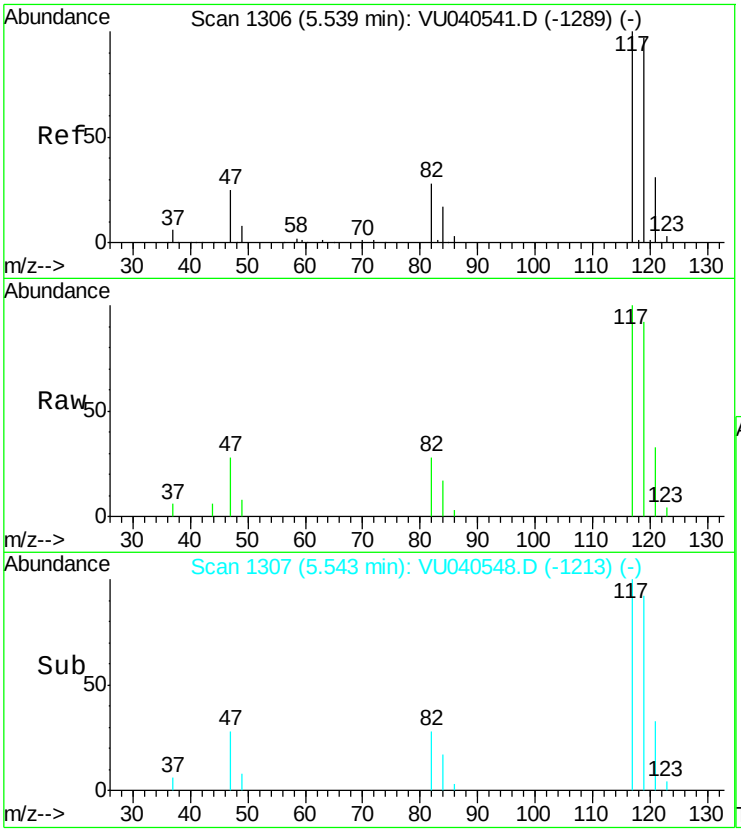




#30
1,1,1-Trichloroethane
Concen: 2.343 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 97 Resp: 8013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.6 | 51.0 | 76.6 |
| 61 | 55.4 | 39.4 | 59.2 |



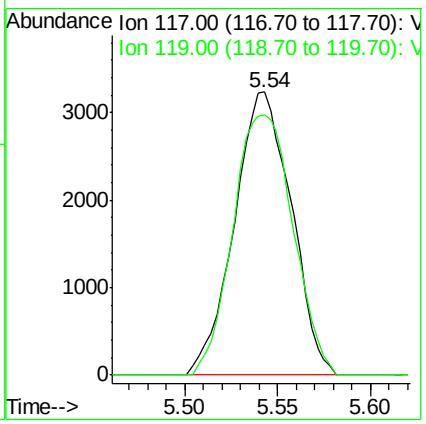


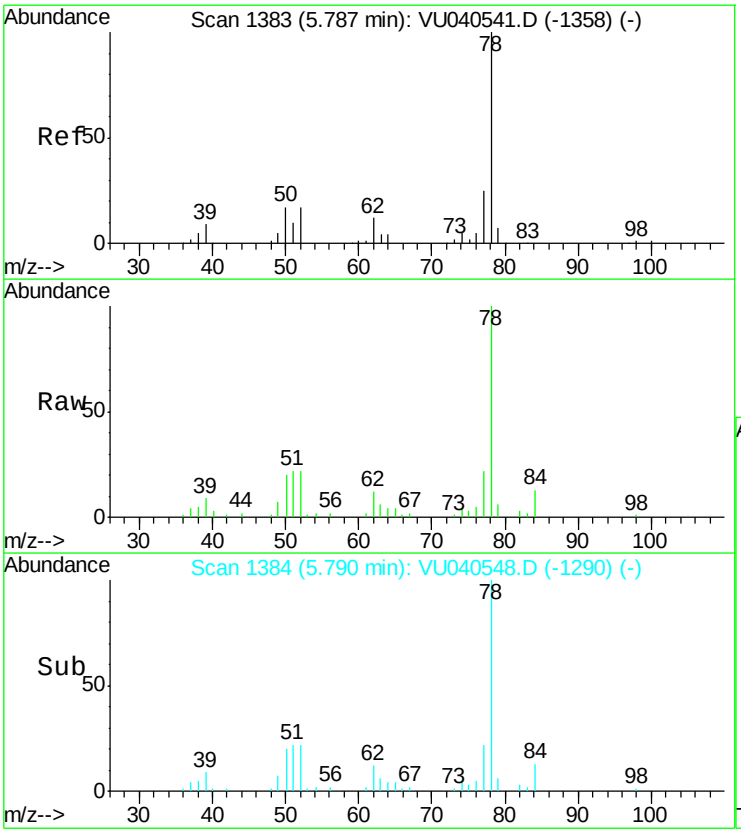

#31
Carbon tetrachloride
Concen: 2.342 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:117 Resp: 6926

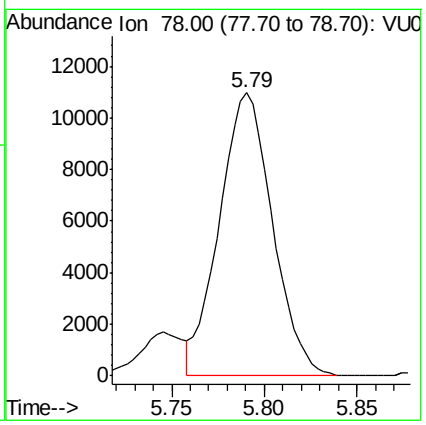
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.0 | 75.8 | 113.6 |

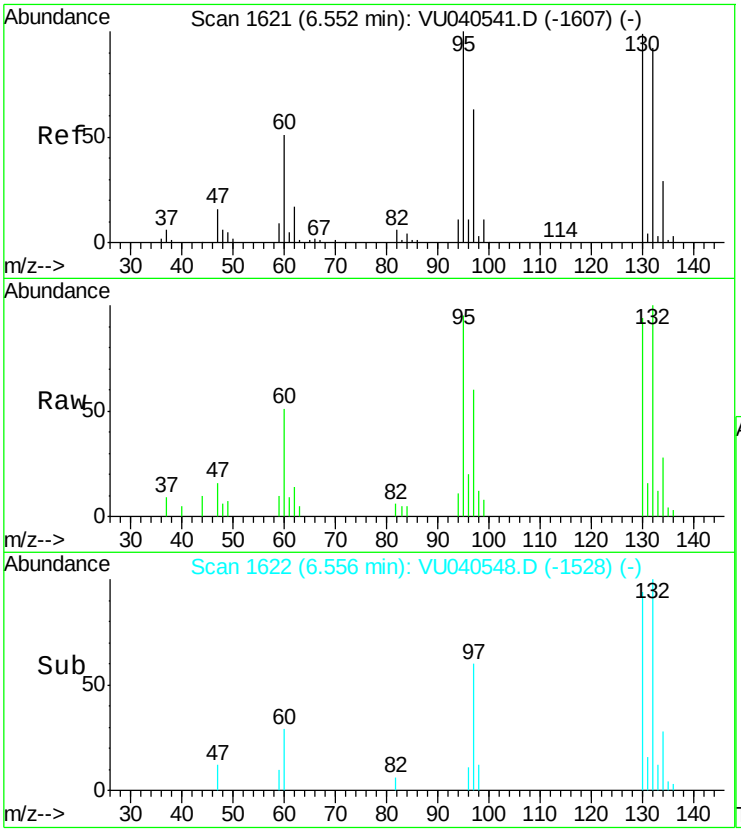



#33
Benzene
Concen: 2.534 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 78 Resp: 21809



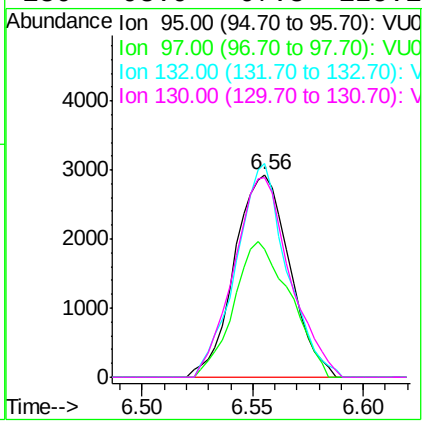


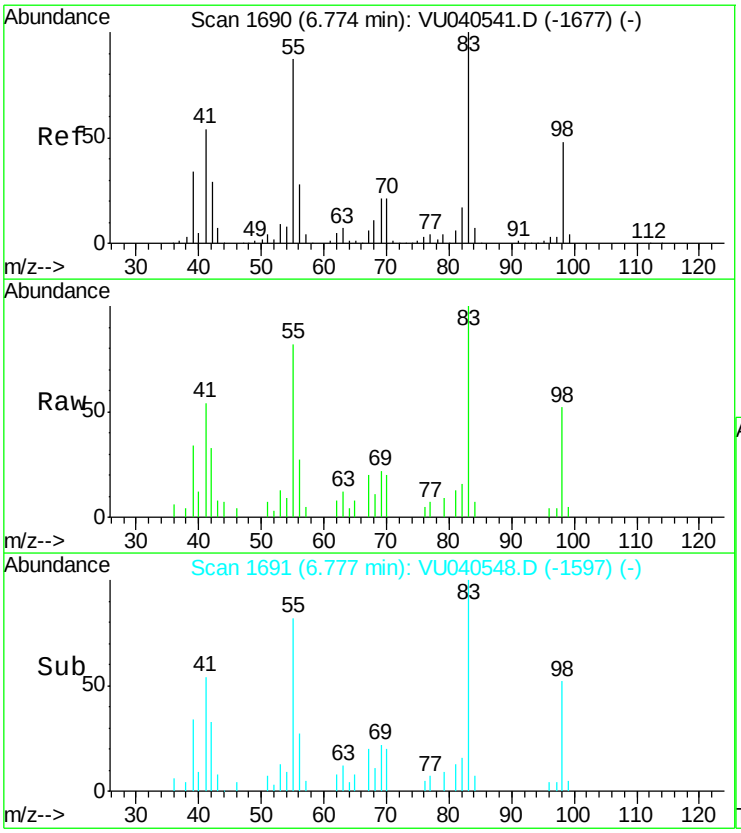

#34
Trichloroethene
Concen: 2.287 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 95 Resp: 5070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.0 | 44.3 | 82.3 |
| 132 | 105.6 | 64.2 | 119.2 |
| 130 | 98.9 | 67.3 | 125.1 |

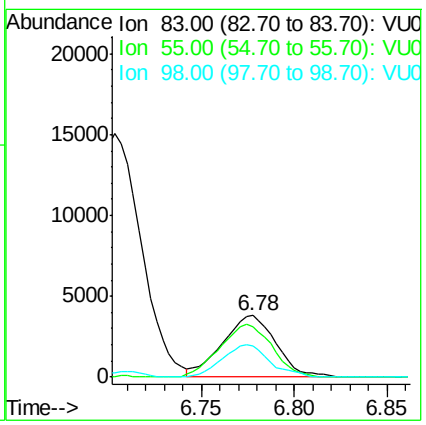


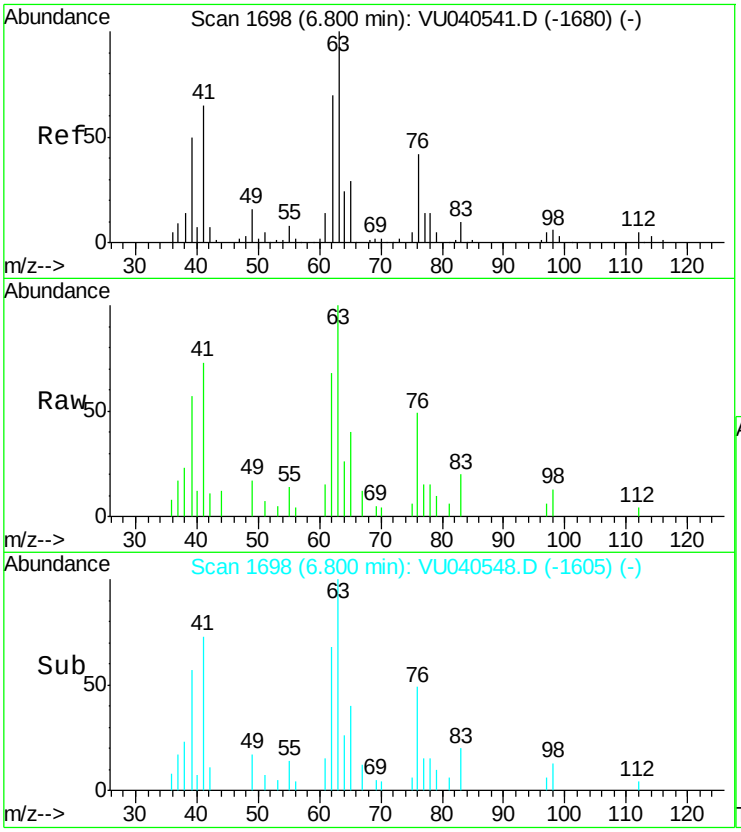




#35
Methylcyclohexane
Concen: 2.265 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 83 Resp: 7634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.5 | 69.8 | 104.8 |
| 98 | 46.5 | 39.1 | 58.7 |



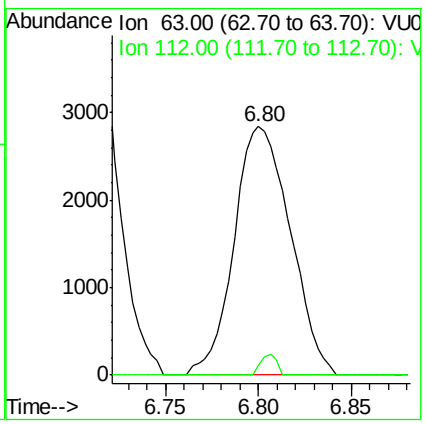


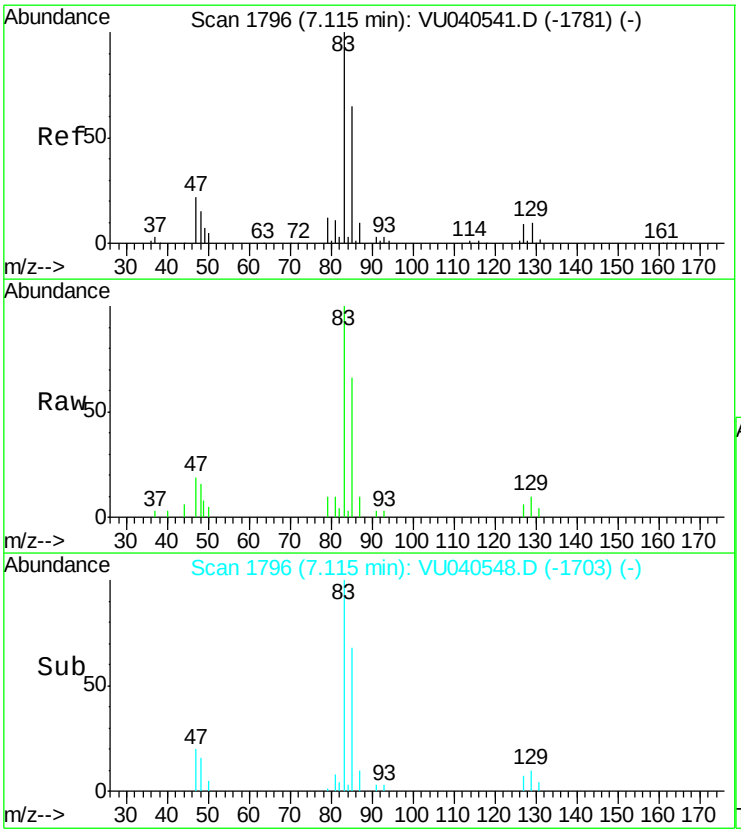

#37
1,2-Dichloropropane
Concen: 2.540 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 63 Resp: 6003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 2.4 | 3.5 | 5.3# |

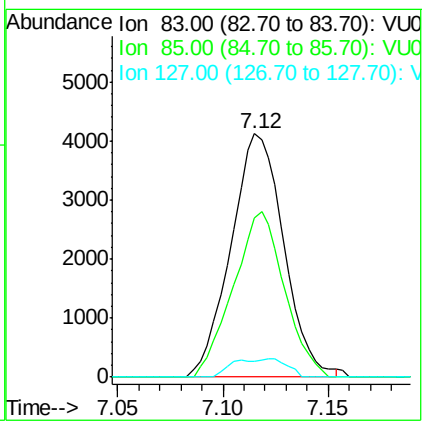


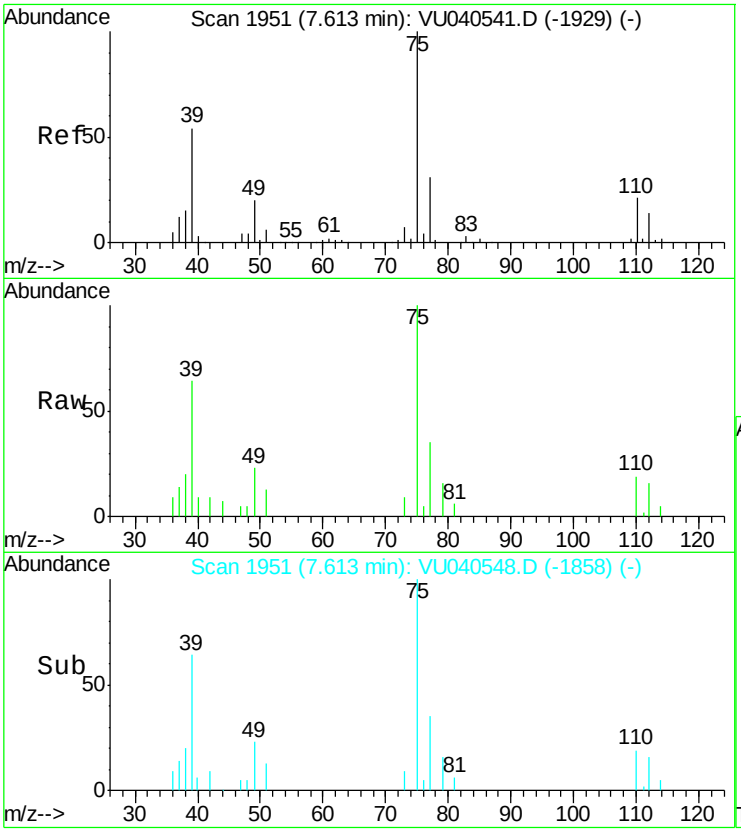




#38
Bromodichloromethane
Concen: 2.337 ug/L
RT: 7.12 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 83 Resp: 7175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 45.2 | 84.0 |
| 127 | 6.3 | 6.7 | 10.1# |



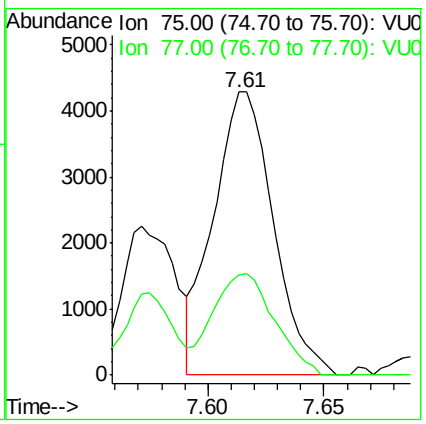


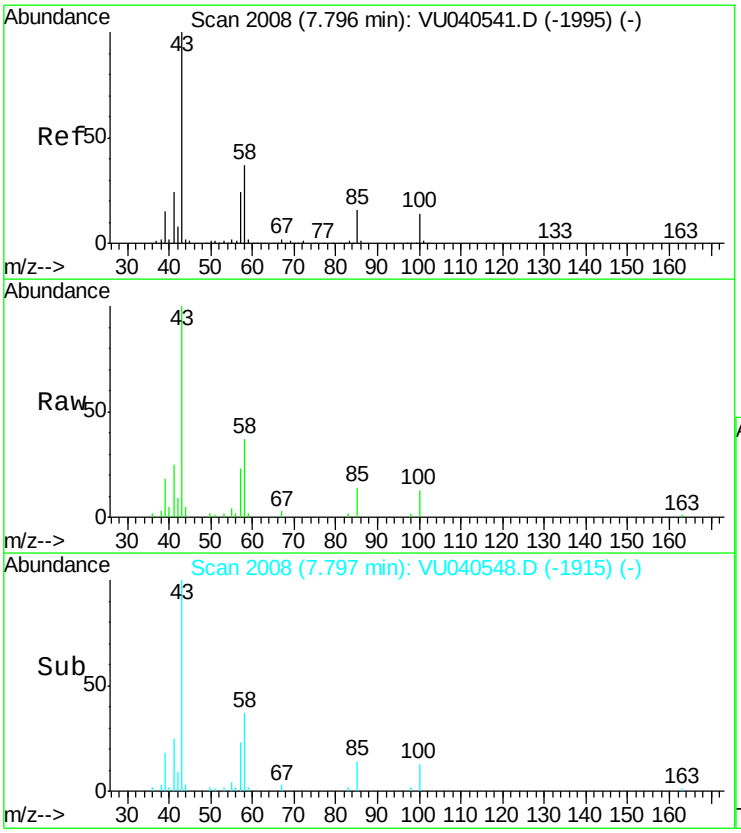

#39
cis-1,3-Dichloropropene
Concen: 2.229 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 75 Resp: 7722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.5 | 21.4 | 39.8 |

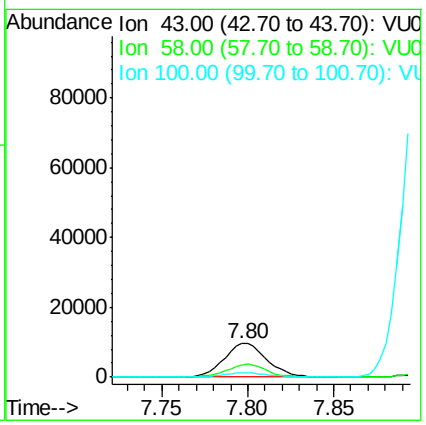


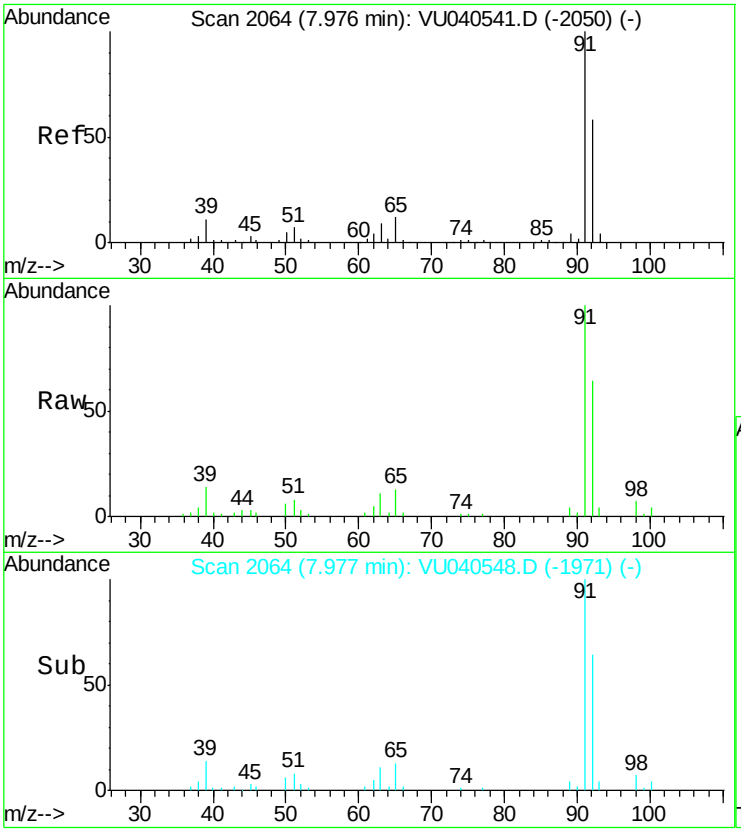




#40
4-Methyl-2-pentanone
Concen: 4.520 ug/L
RT: 7.80 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 43 Resp: 16856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.9 | 29.7 | 44.5 |
| 100 | 12.8 | 10.5 | 15.7 |



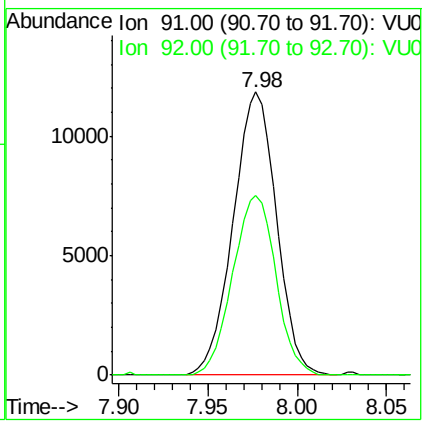


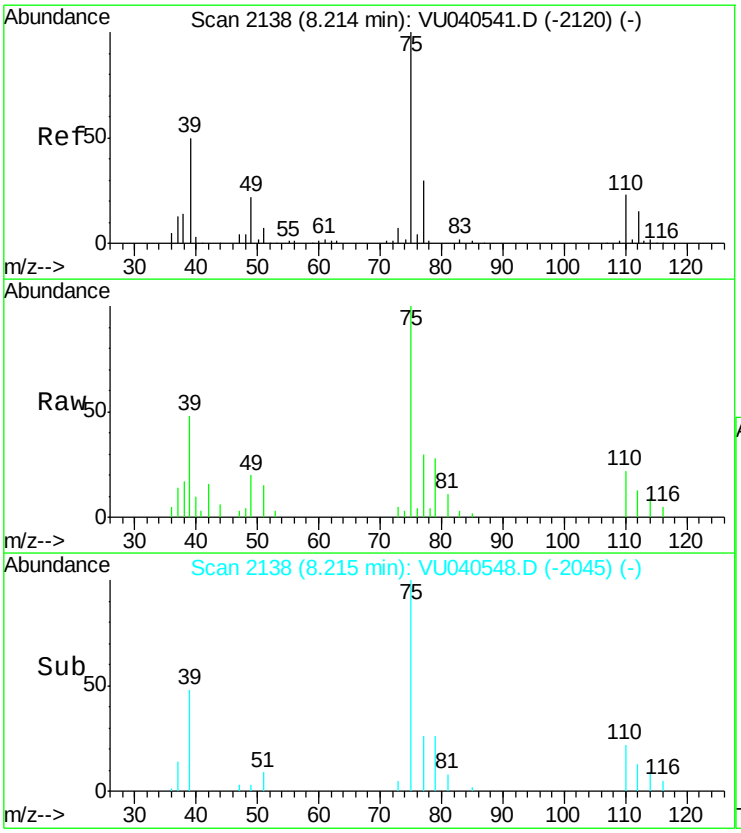

#42
Toluene
Concen: 2.280 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 91 Resp: 20036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 63.6 | 39.9 | 74.1 |

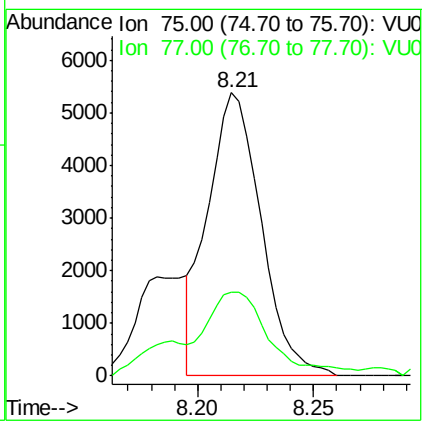


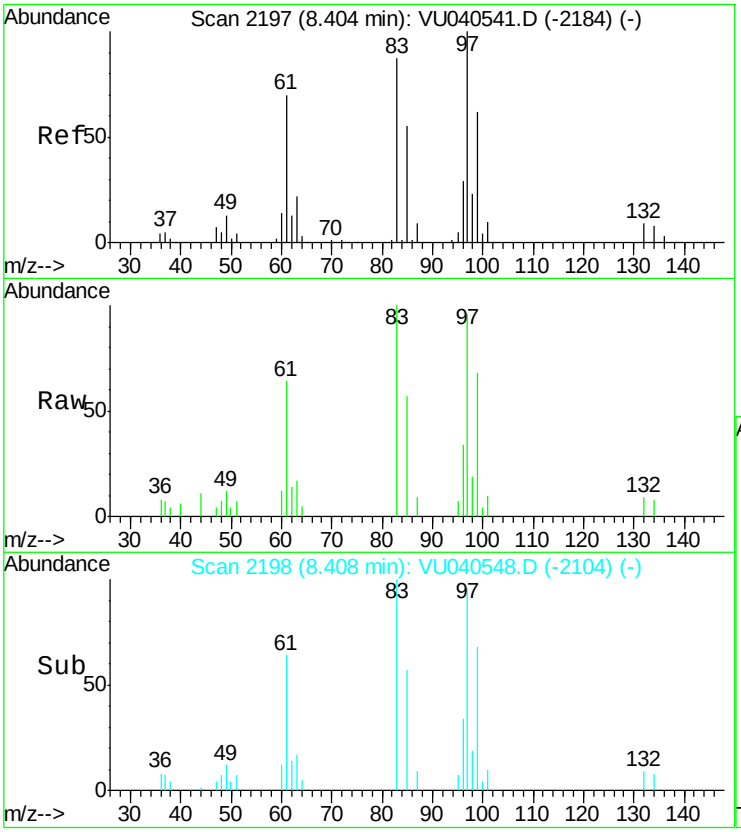




#44
trans-1,3-Dichloropropene
Concen: 2.471 ug/L
RT: 8.21 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 75 Resp: 8617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.7 | 22.1 | 41.1 |



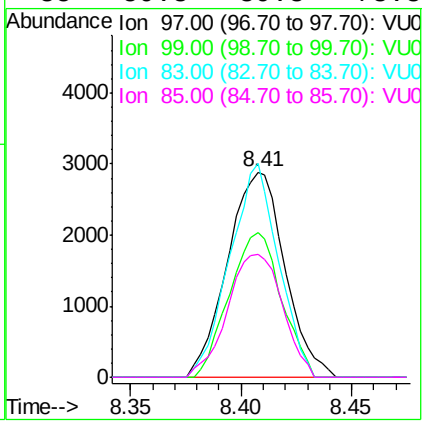


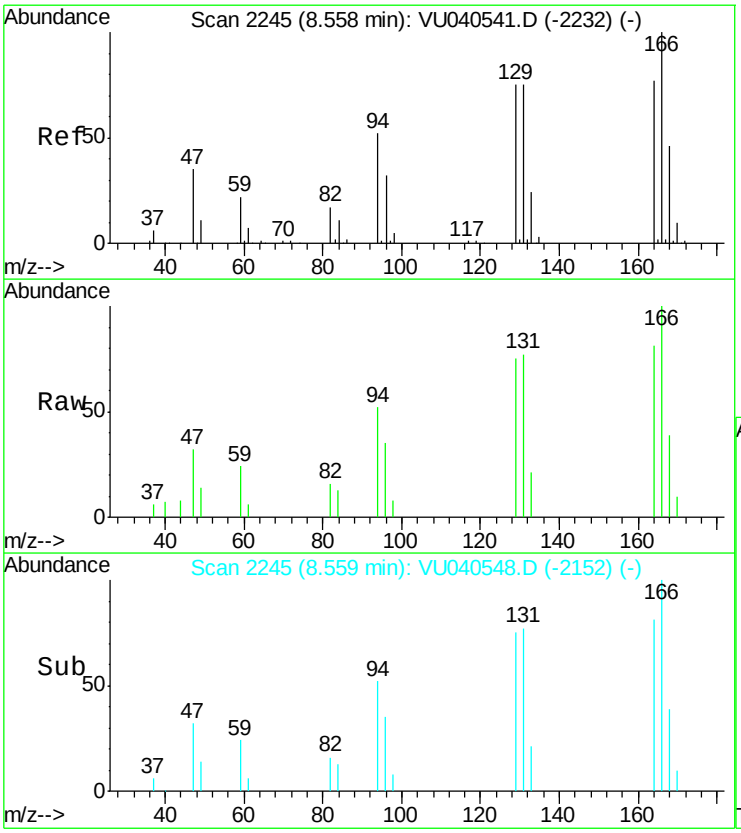

#45
1,1,2-Trichloroethane
Concen: 2.453 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 97 Resp: 5193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 70.8 | 42.7 | 79.3 |
| 83 | 104.1 | 61.0 | 113.4 |
| 85 | 59.8 | 39.8 | 73.8 |

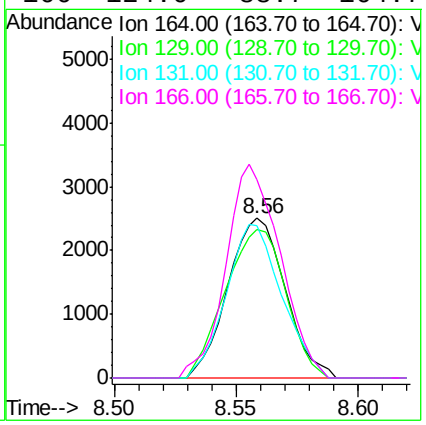


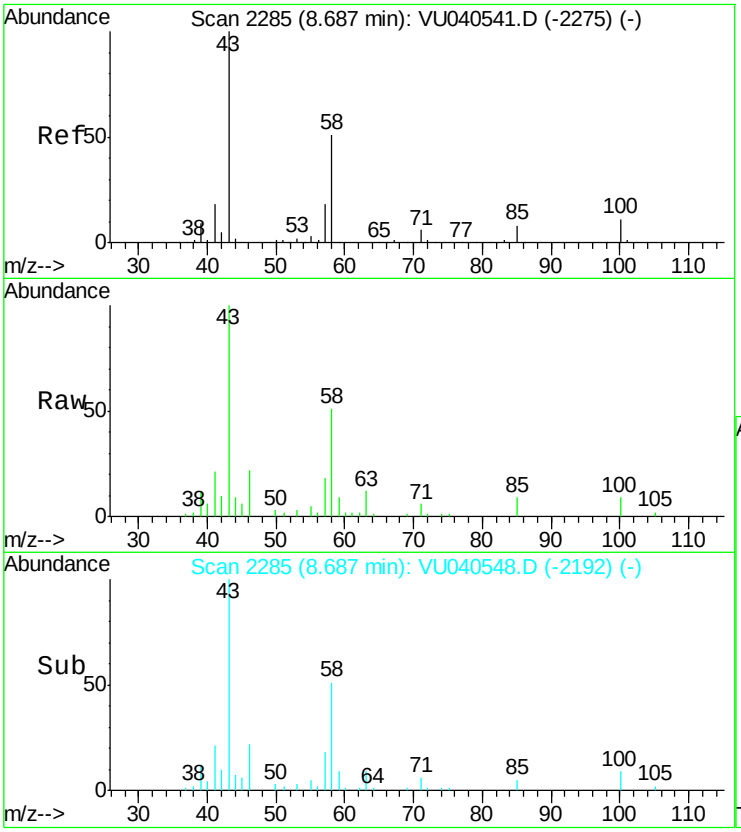




#46
Tetrachloroethene
Concen: 2.551 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:164 Resp: 4087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 93.1 | 67.4 | 125.2 |
| 131 | 95.2 | 63.8 | 118.6 |
| 166 | 124.0 | 88.7 | 164.7 |



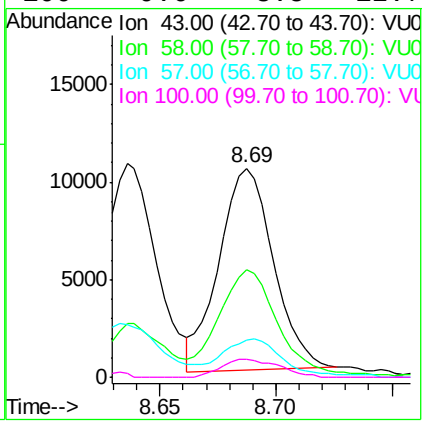


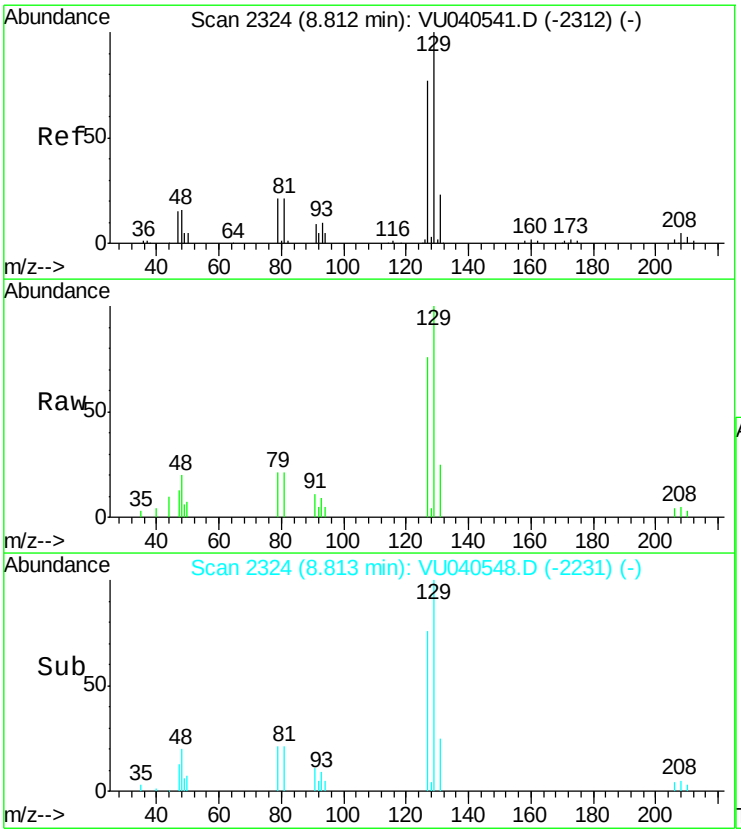

#48
2-Hexanone
Concen: 5.591 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :** MSVOA_U
**ClientSampleId :** MDL-WATER-05

Tgt Ion: 43 Resp: 16947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 58.9 | 40.6 | 60.8 |
| 57 | 18.8 | 14.3 | 21.5 |
| 100 | 9.6 | 8.5 | 12.7 |

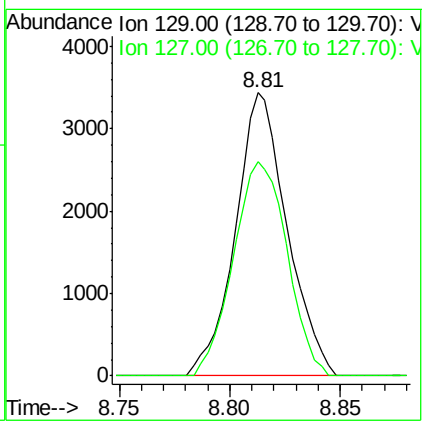


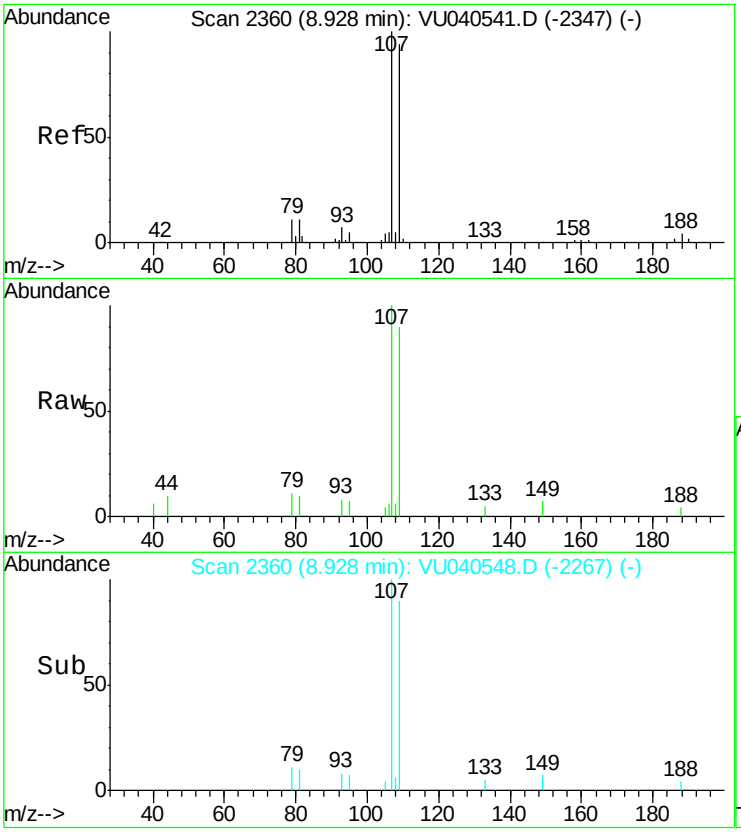




#49
Dibromochloromethane
Concen: 2.417 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:129 Resp: 5589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 54.9 | 102.1 |



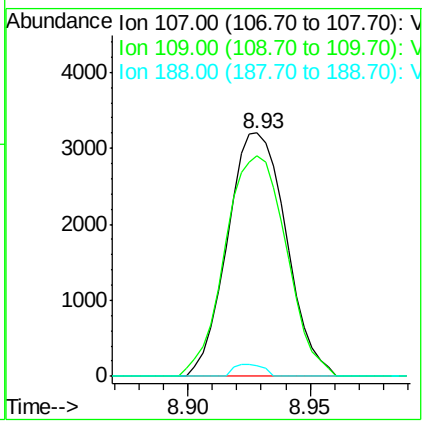


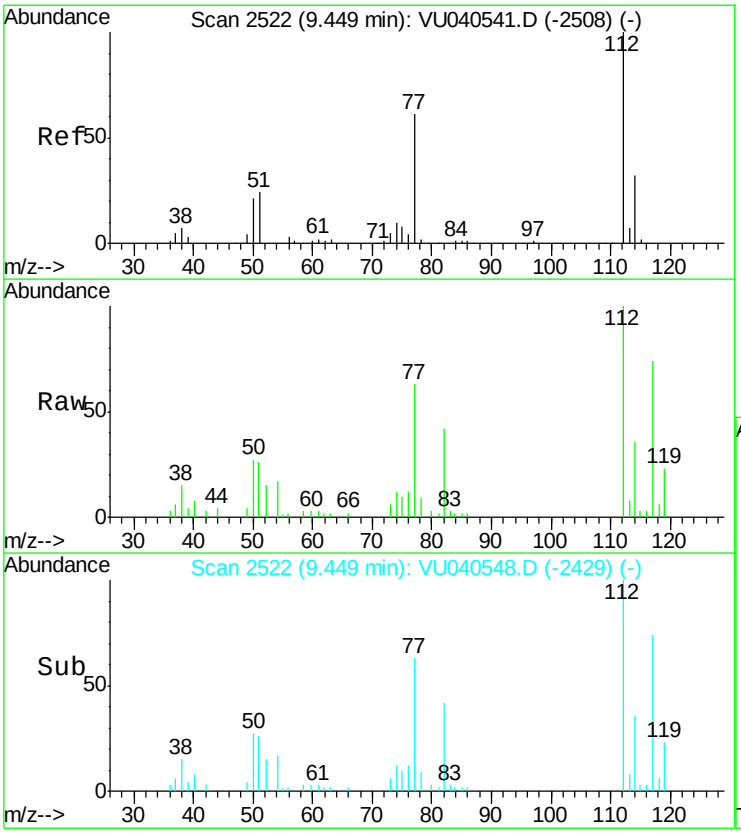

#50
1,2-Dibromoethane
Concen: 2.387 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:107 Resp: 5357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 90.4 | 67.8 | 125.8 |
| 188 | 4.2 | 2.8 | 4.2# |

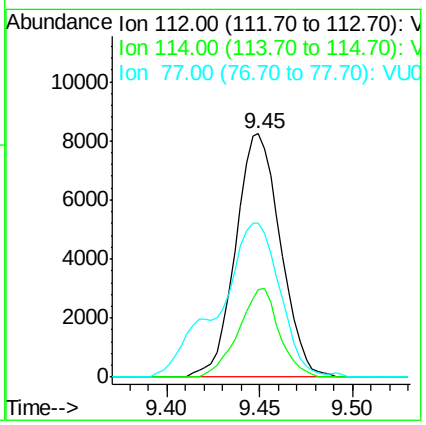


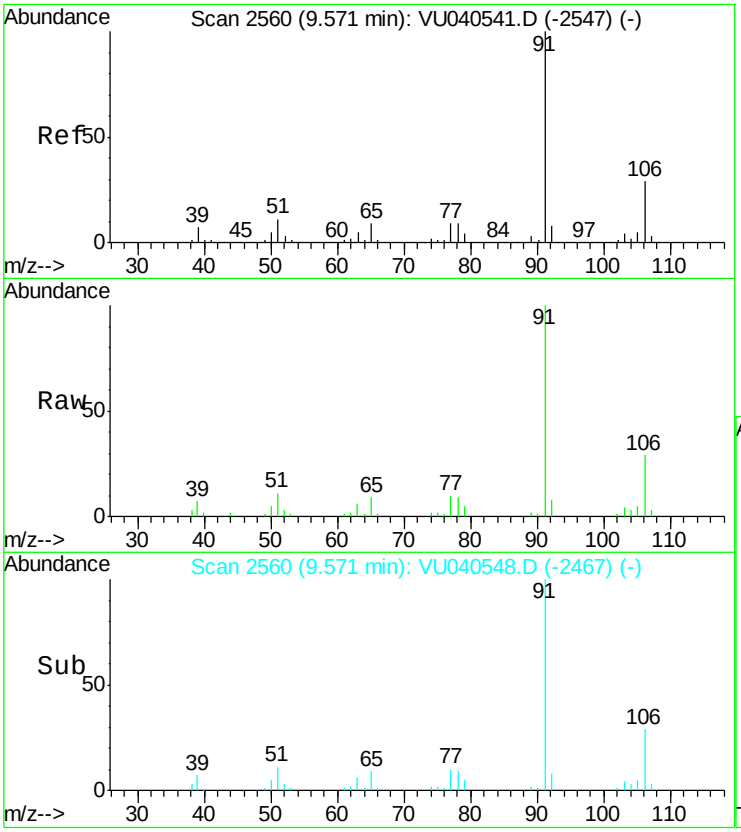




#51
Chlorobenzene
Concen: 2.397 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:112 Resp: 13817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 35.9 | 22.1 | 41.1 |
| 77 | 63.1 | 50.4 | 75.6 |



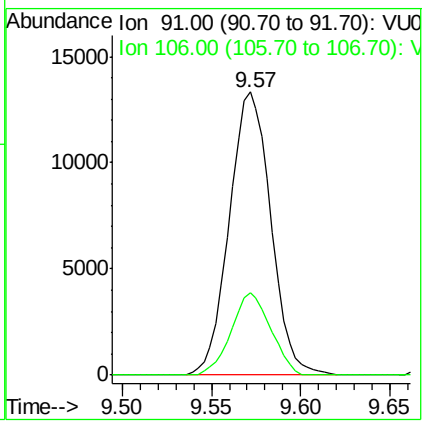


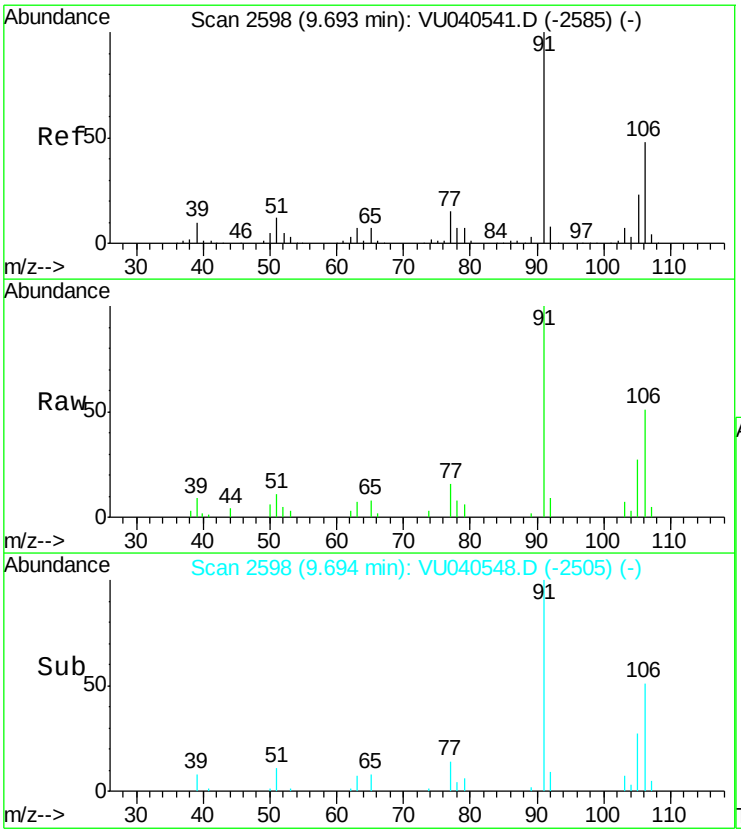

#52
Ethylbenzene
Concen: 2.224 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :** MSVOA_U
**ClientSampleId :** MDL-WATER-05

Tgt Ion: 91 Resp: 21690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 20.9 | 38.9 |

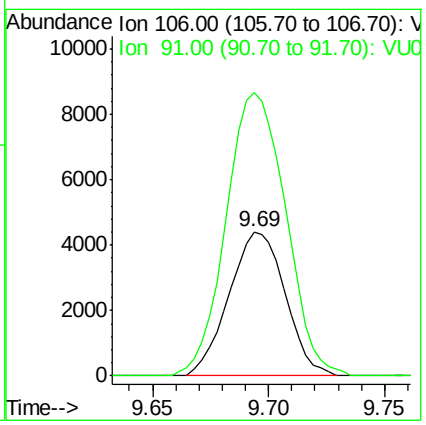


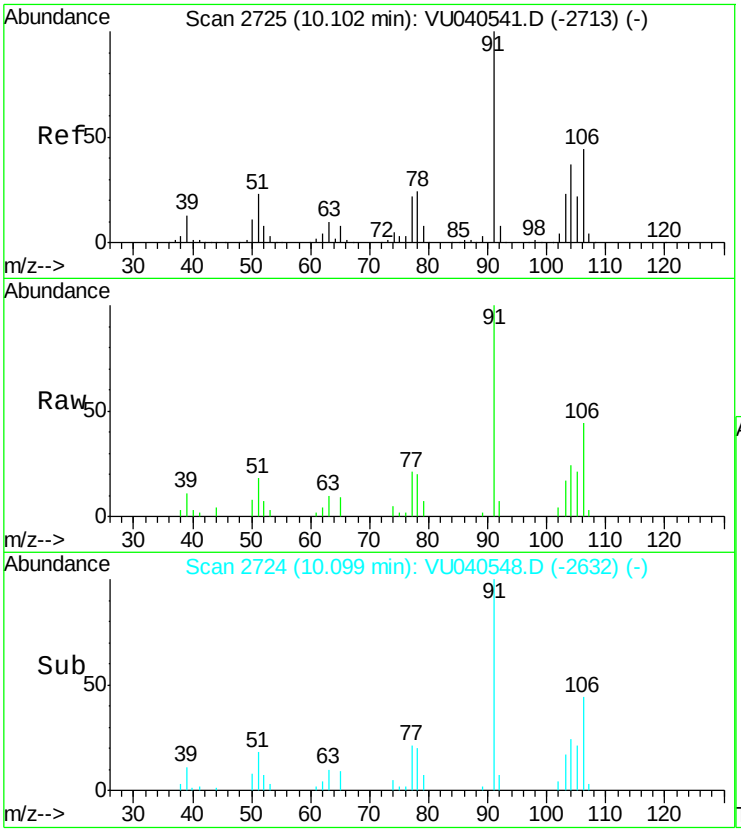




#53
m,p-Xylene
Concen: 2.064 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:106 Resp: 7414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 196.6 | 150.1 | 278.7 |



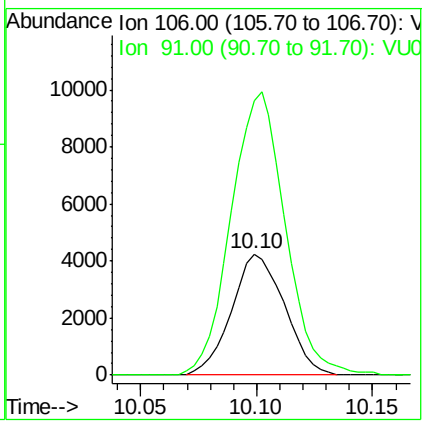


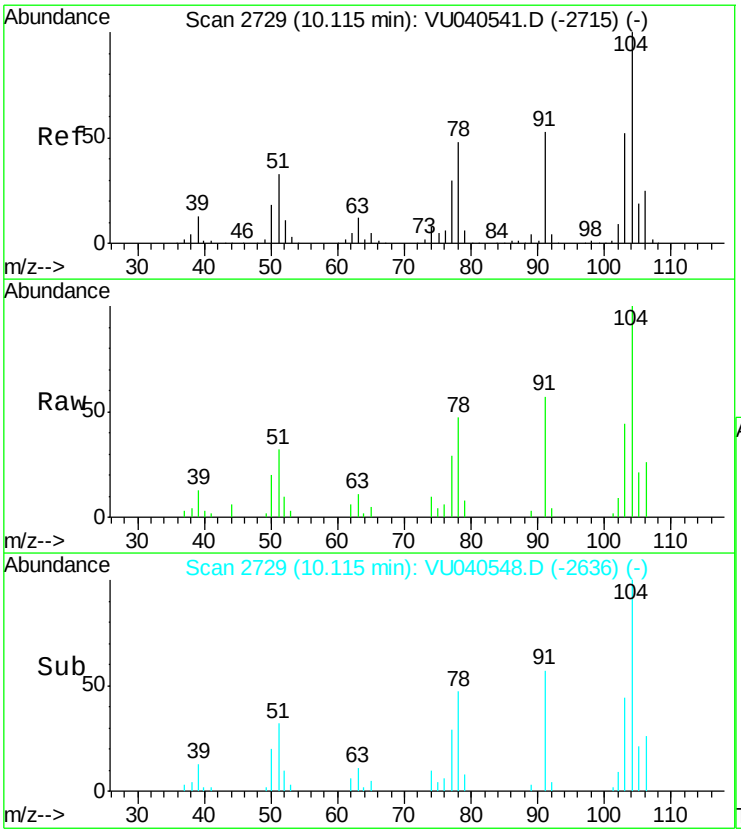

#54
o-xylene
Concen: 1.967 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:106 Resp: 6723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.4 | 155.6 | 289.0 |

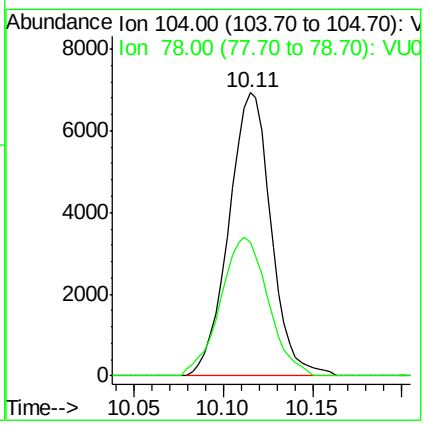


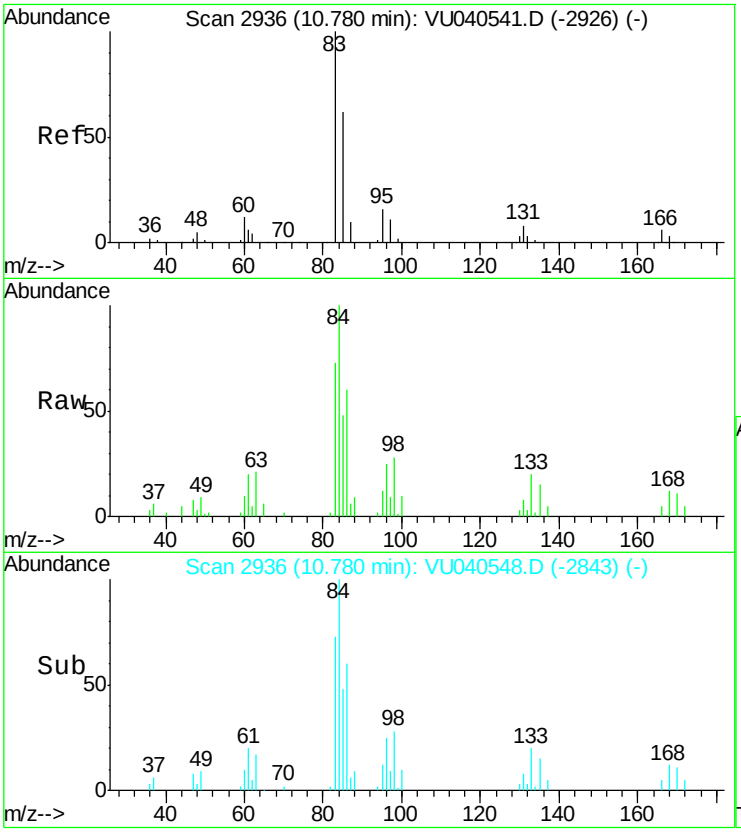




#55
Styrene
Concen: 1.898 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:104 Resp: 11425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 47.0 | 35.2 | 65.4 |



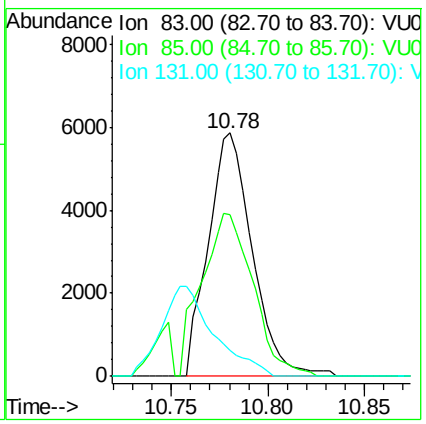


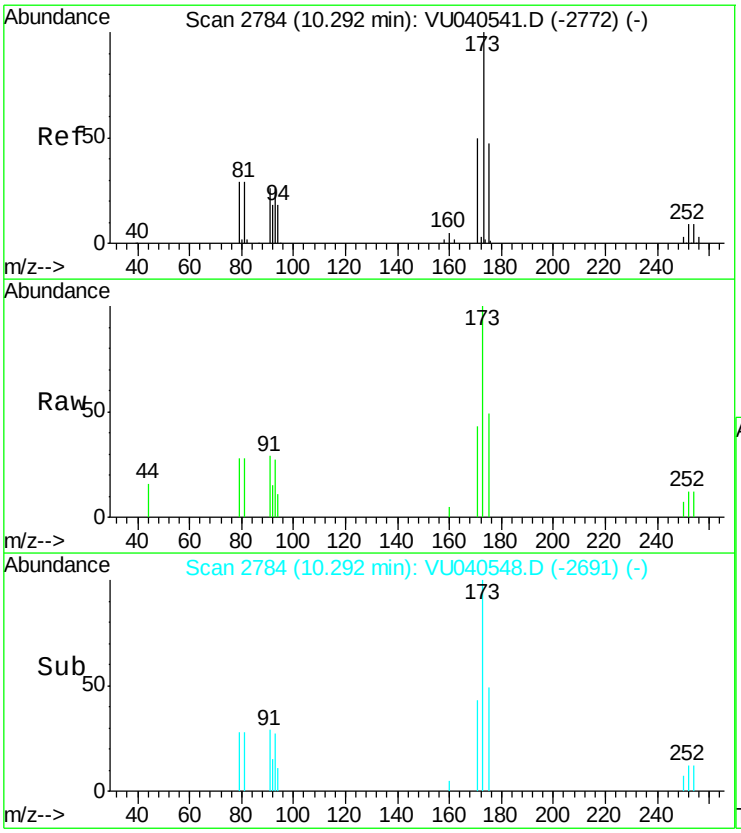

#57
1,1,2,2-Tetrachloroethane
Concen: 2.483 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 83 Resp: 9299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.4 | 44.2 | 82.2 |
| 131 | 10.8 | 7.1 | 10.7# |

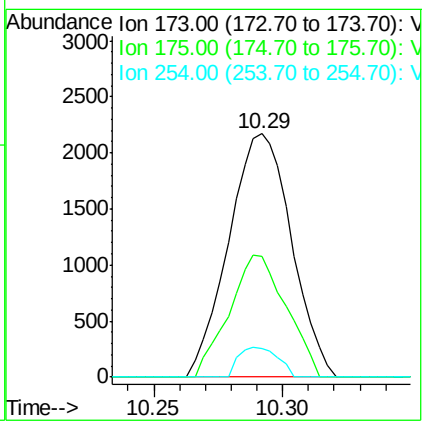


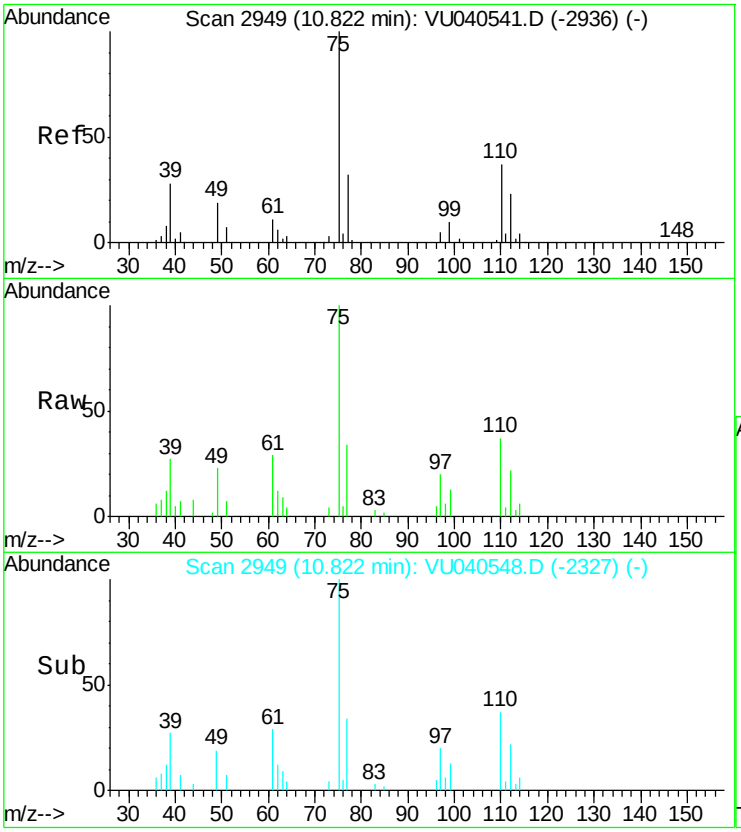




#59
Bromoform
Concen: 2.331 ug/L
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:173 Resp: 3678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 45.5 | 38.5 | 57.7 |
| 254 | 7.7 | 7.0 | 10.6 |



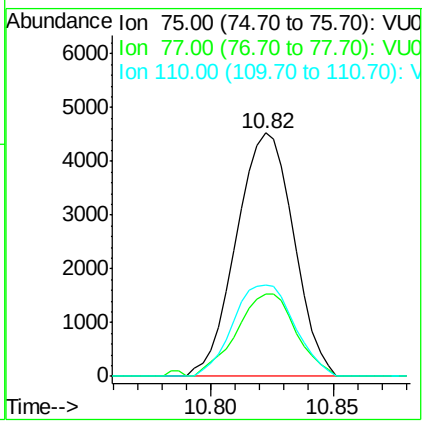


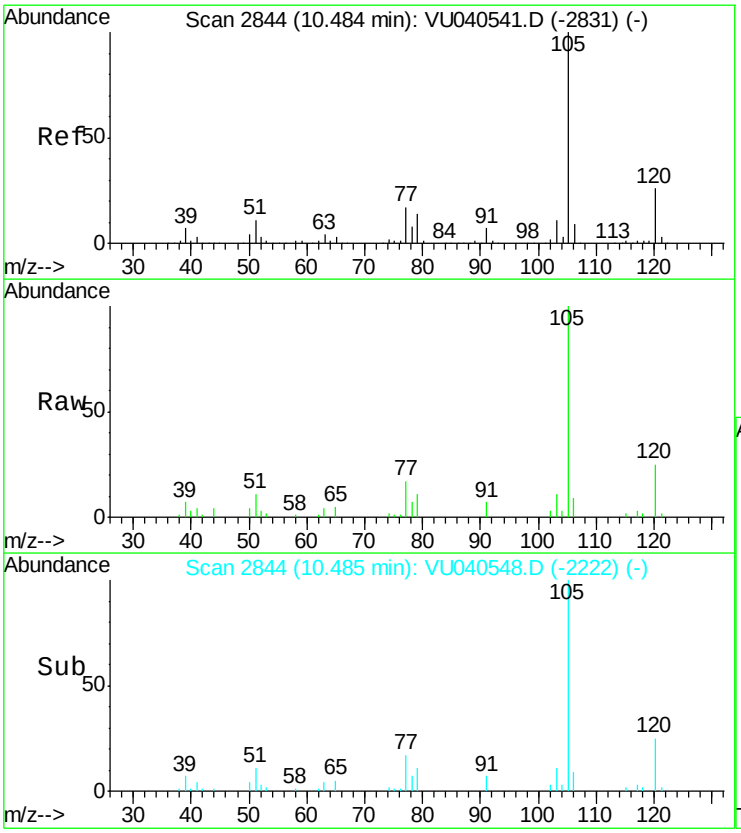

#60
1,2,3-Trichloropropane
Concen: 2.526 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion: 75 Resp: 7387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.1 | 26.4 | 39.6 |
| 110 | 40.3 | 30.1 | 45.1 |

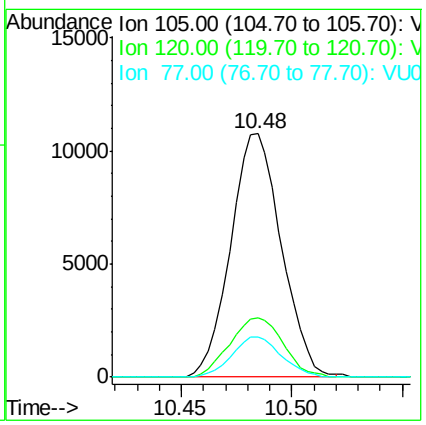


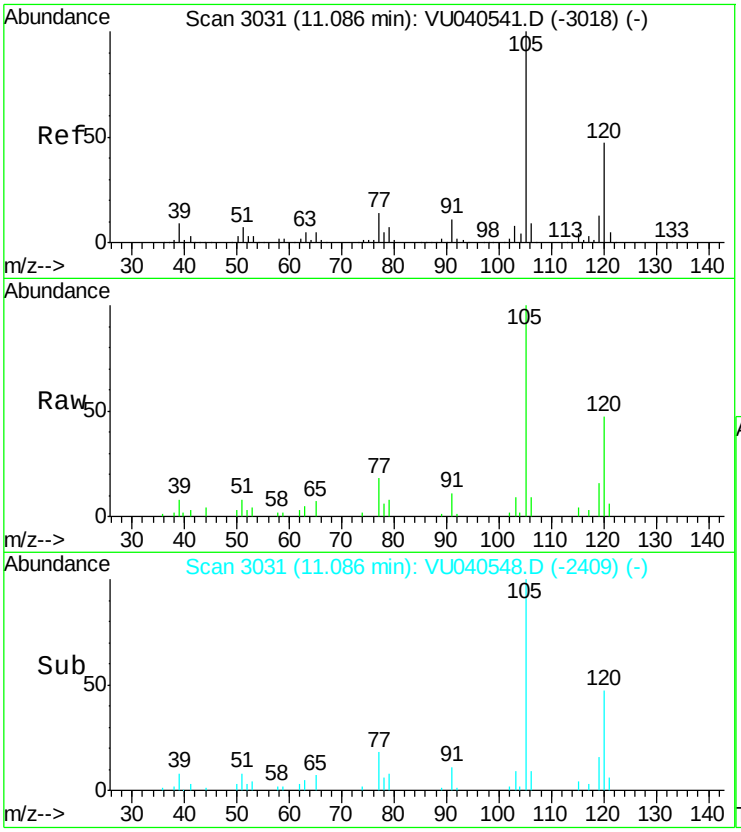




#61
Isopropylbenzene
Concen: 1.986 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:105 Resp: 17168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 20.7 | 31.1 |
| 77 | 16.2 | 13.8 | 20.8 |



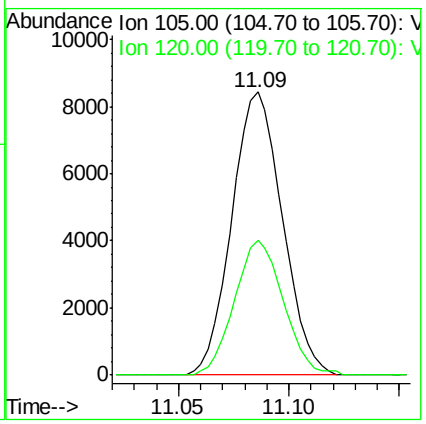


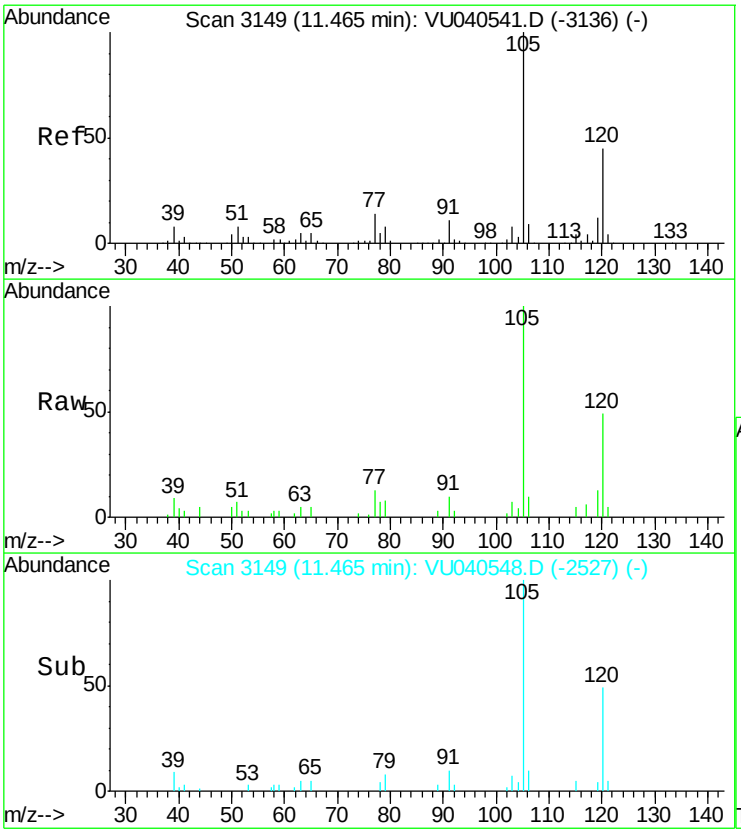

#62
1,3,5-Trimethylbenzene
Concen: 1.891 ug/L
RT: 11.09 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:105 Resp: 13436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.6 | 38.6 | 58.0 |

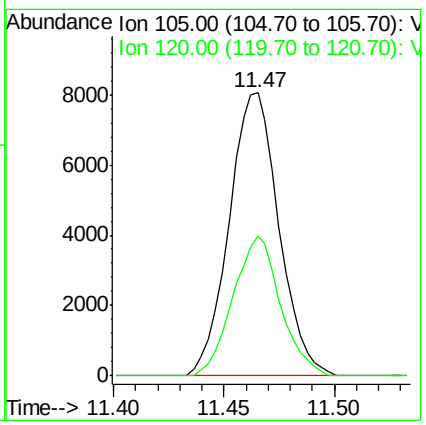


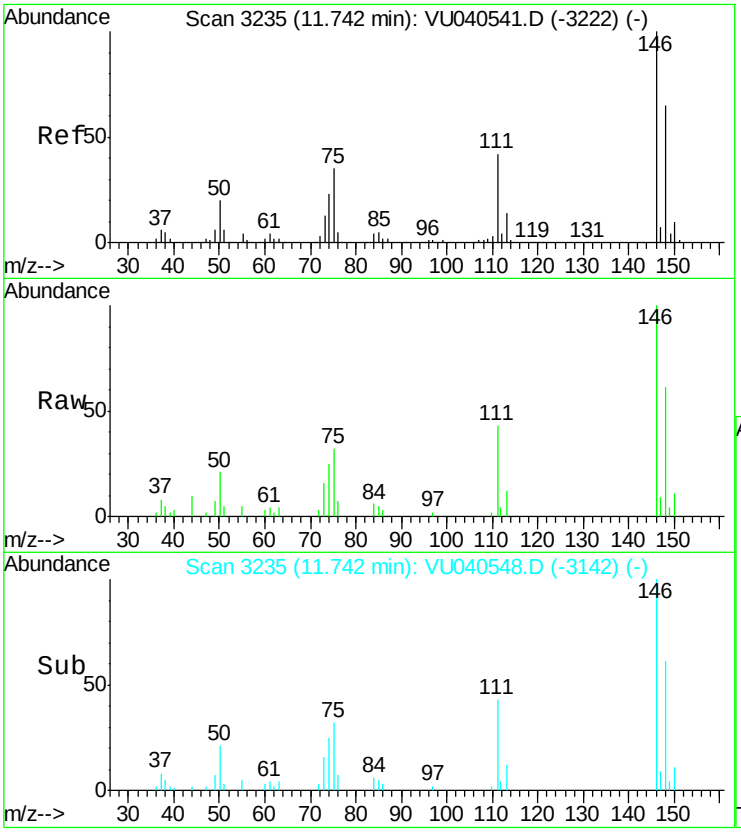




#63
1,2,4-Trimethylbenzene
Concen: 1.747 ug/L
RT: 11.47 min Scan# 3149
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:105 Resp: 12586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 35.7 | 53.5 |



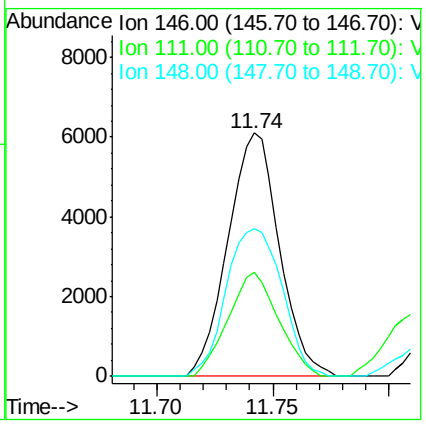


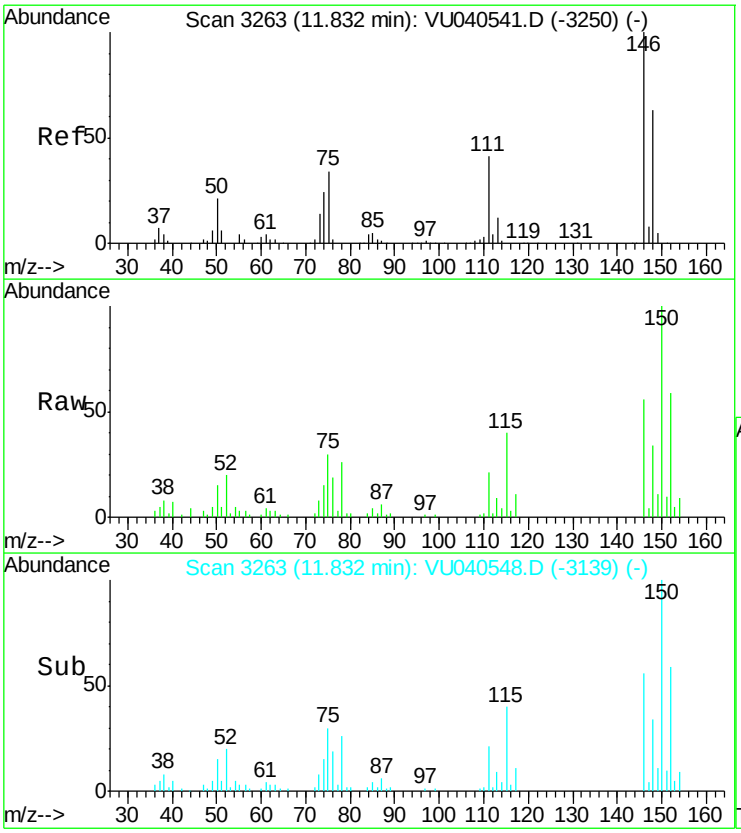

#64
1,3-Dichlorobenzene
Concen: 2.236 ug/L
RT: 11.74 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:146 Resp: 9425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 30.8 | 57.2 |
| 148 | 60.8 | 45.4 | 84.2 |

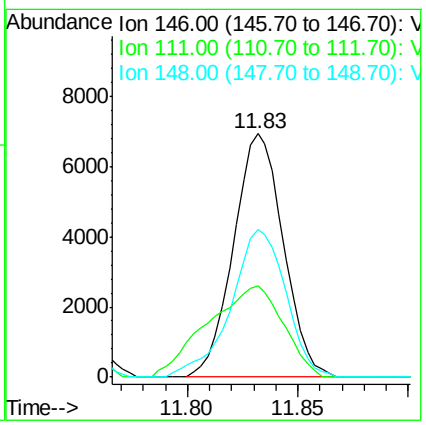


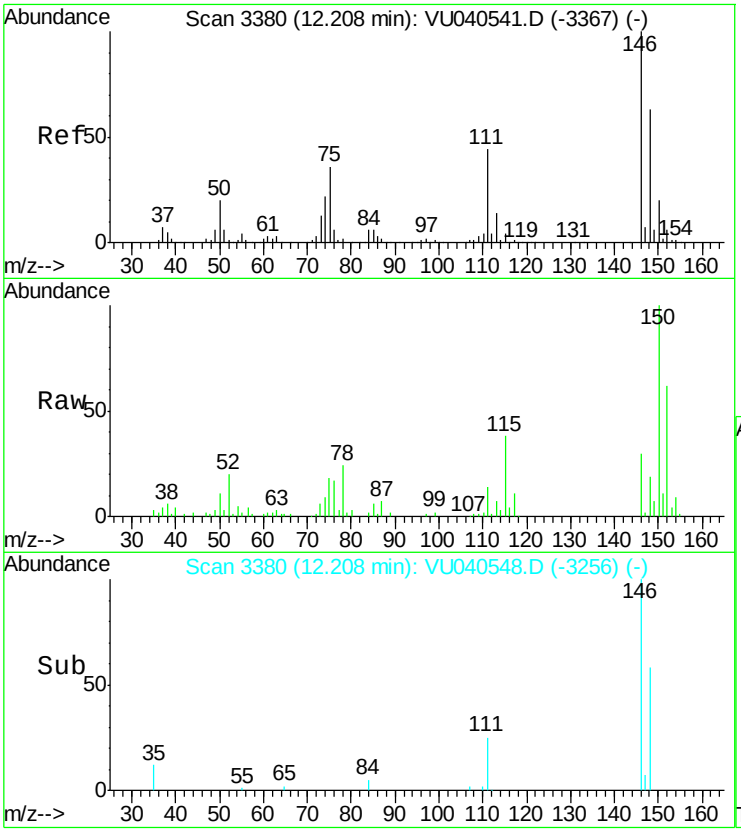




#65
1,4-Dichlorobenzene
Concen: 2.454 ug/L
RT: 11.83 min Scan# 3263
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:146 Resp: 10868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.5 | 28.7 | 53.3 |
| 148 | 60.7 | 44.1 | 81.9 |



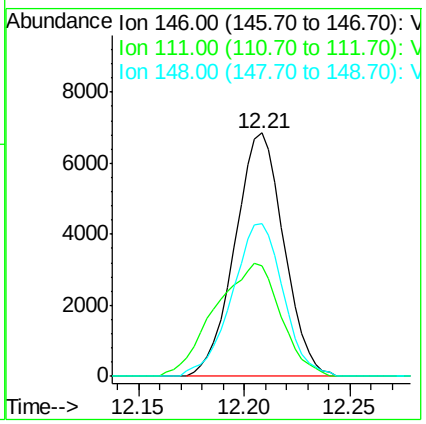


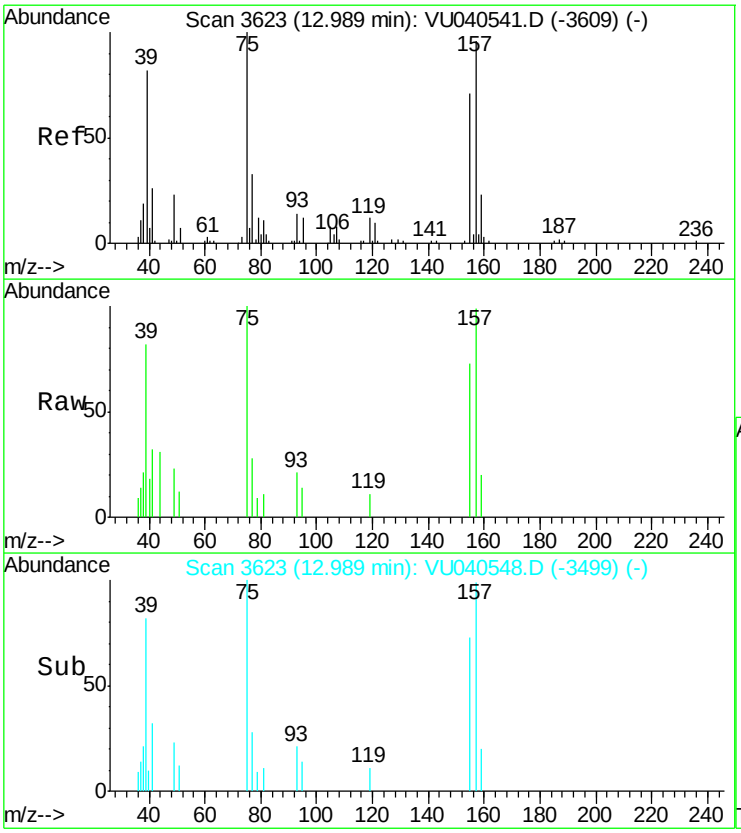

#67
1,2-Dichlorobenzene
Concen: 2.625 ug/L
RT: 12.21 min Scan# 3380
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:146 Resp: 11087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.6 | 35.7 | 53.5 |
| 148 | 62.7 | 50.6 | 75.8 |

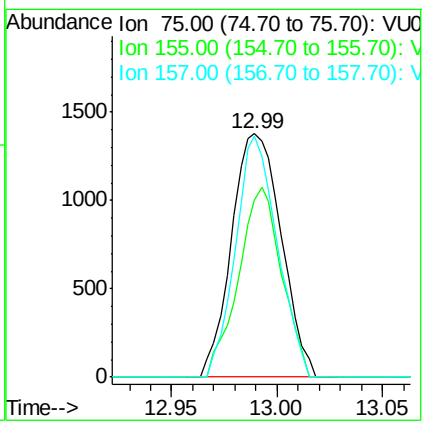


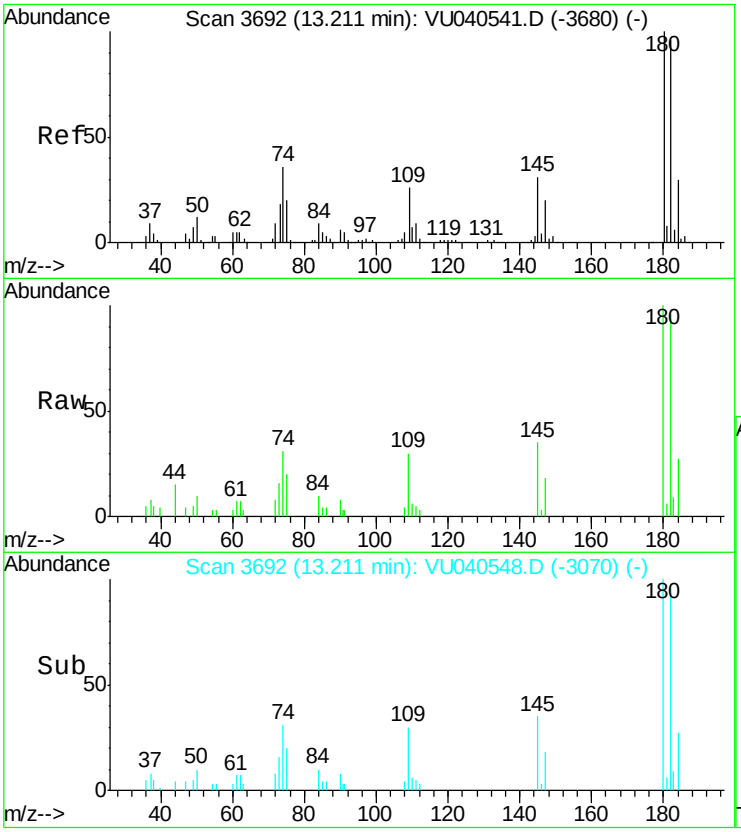




#68
1,2-Dibromo-3-chloropropane
Concen: 2.736 ug/L
RT: 12.99 min Scan# 3623
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion: 75 Resp: 2248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.9 | 61.0 | 91.6 |
| 157 | 99.2 | 73.5 | 110.3 |



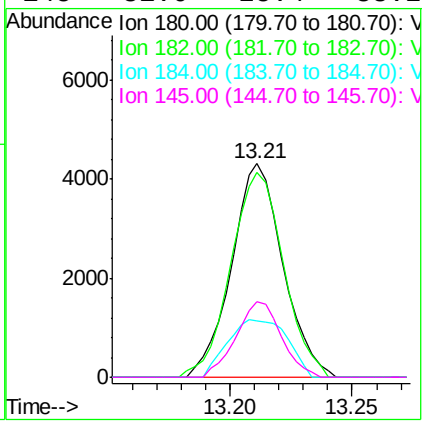


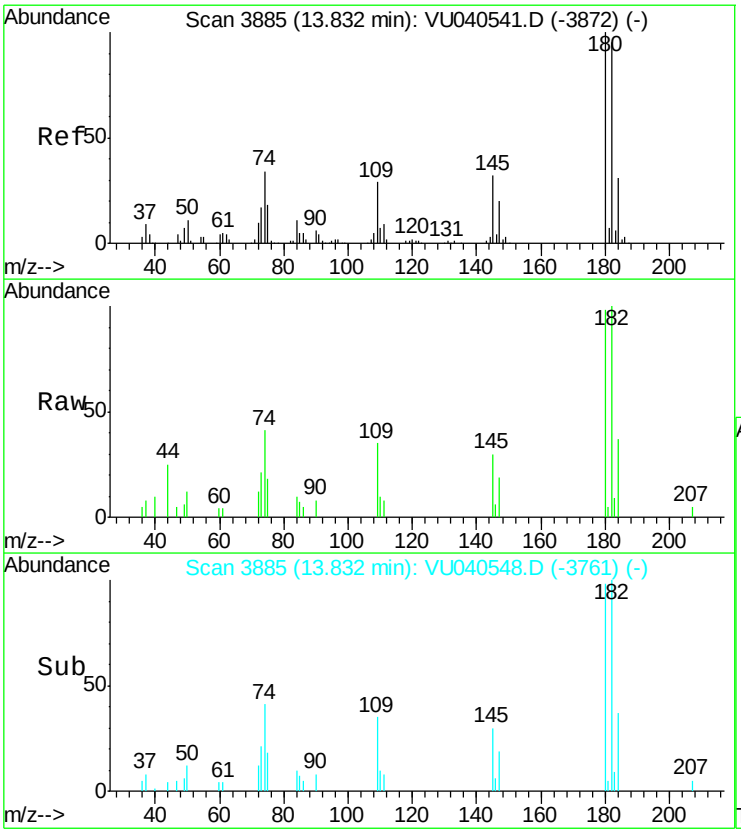

#69
1,3,5-Trichlorobenzene
Concen: 2.276 ug/L
RT: 13.21 min Scan# 3692
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:180 Resp: 6287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.4 | 76.9 | 115.3 |
| 184 | 31.5 | 24.2 | 36.2 |
| 145 | 31.0 | 25.4 | 38.2 |

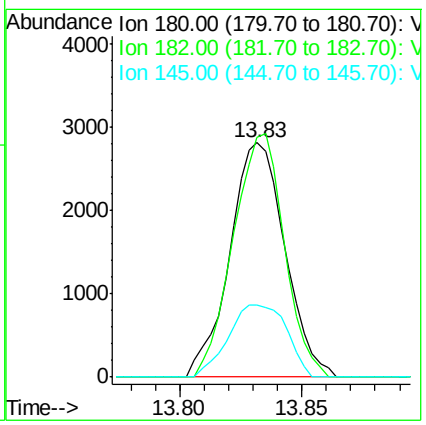


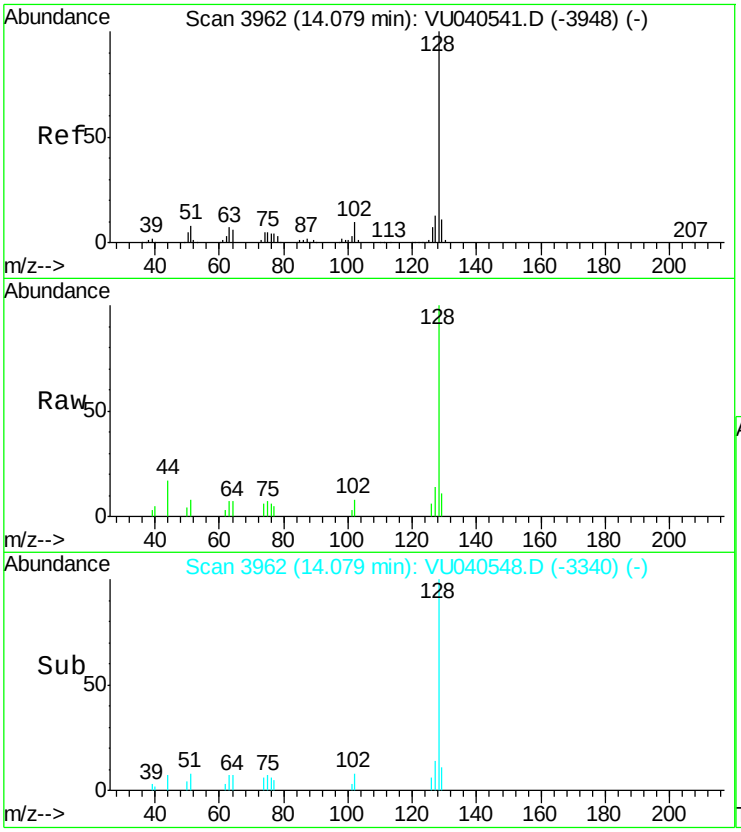




#70
1,2,4-trichlorobenzene
Concen: 1.840 ug/L
RT: 13.83 min Scan# 3885
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:180 Resp: 4405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 75.0 | 112.6 |
| 145 | 32.8 | 25.9 | 38.9 |



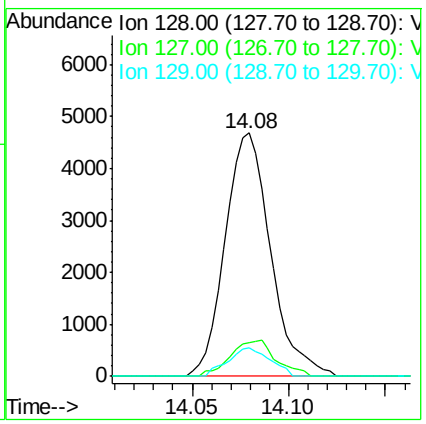


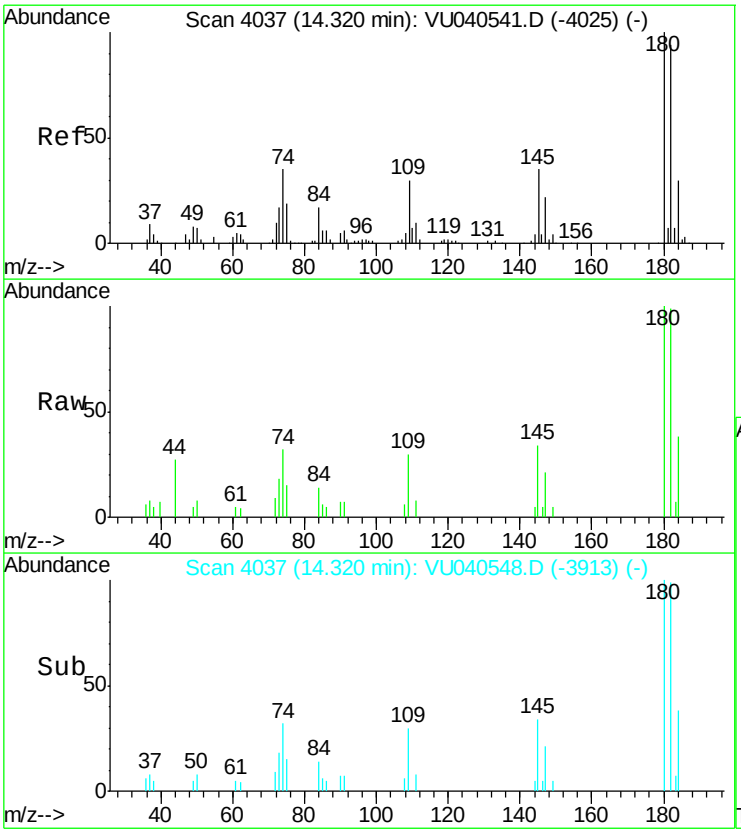

#71
Naphthalene
Concen: 1.037 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-05

Tgt Ion:128 Resp: 7674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.7 | 10.5 | 15.7 |
| 129 | 10.8 | 8.6 | 13.0 |




#72
1,2,3-Trichlorobenzene
Concen: 1.622 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040548.D
Acq: 07 Oct 2020 16:19

Tgt Ion:180 Resp: 3855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 77.7 | 116.5 |
| 145 | 34.1 | 28.4 | 42.6 |