Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103020\
Data File : VX019185.D
Acq On : 29 Oct 2020 12:15
Operator : JC/MD
Sample : L4485-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MDL-WATER-04

Quant Time: Oct 29 11:36:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 29 06:24:00 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.82 | 114 | 234771 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 10.09 | 117 | 208061 | 5.00 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 98475 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 66548 | 4.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 87.60% | | | |
| 7) Chloroethane-d5 | 1.70 | 69 | 55881 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 88.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.34 | 63 | 101125 | 3.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 68.20% | | | |
| 20) 2-Butanone-d5 | 4.56 | 46 | 156404 | 47.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 94.24% | | | |
| 24) Chloroform-d | 5.14 | 84 | 125233 | 4.37 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 6.03 | 65 | 67811 | 4.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 84.20% | | | |
| 32) Benzene-d6 | 6.04 | 84 | 260481 | 4.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 91.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 7.37 | 67 | 76111 | 4.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 94.80% | | | |
| 41) Toluene-d8 | 8.70 | 98 | 239947 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.00% | | | |
| 43) trans-1,3-Dichloropropene- | 8.99 | 79 | 30898 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.40% | | | |
| 46) 2-Hexanone-d5 | 9.43 | 63 | 145455 | 48.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 96.08% | | | |
| 56) 1,1,2,2-Tetrachloroethane- | 11.23 | 84 | 55076 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 89.40% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.36 | 152 | 84918 | 4.65 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 93.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.18 | 85 | 4599 | 0.237 | ug/L | 99 |
| 3) Chloromethane | 1.31 | 50 | 4504 | 0.269 | ug/L | 99 |
| 5) Vinyl chloride | 1.39 | 62 | 4960 | 0.263 | ug/L # | 80 |
| 6) Bromomethane | 1.64 | 94 | 2956 | 0.243 | ug/L | 88 |
| 8) Chloroethane | 1.72 | 64 | 2867 | 0.251 | ug/L | 94 |
| 9) Trichlorofluoromethane | 1.92 | 101 | 6556 | 0.241 | ug/L | 95 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.36 | 101 | 4440 | 0.287 | ug/L # | 87 |
| 12) 1,1-Dichloroethene | 2.35 | 96 | 4475 | 0.297 | ug/L # | 1 |
| 13) Acetone | 2.46 | 43 | 4658 | 2.461 | ug/L | 96 |
| 14) Carbon disulfide | 2.55 | 76 | 11545 | 0.247 | ug/L | 96 |
| 15) Methyl Acetate | 2.76 | 43 | 1381 | 0.273 | ug/L # | 89 |
| 16) Methylene chloride | 2.83 | 84 | 7180 | 0.400 | ug/L | 91 |
| 17) Methyl tert-butyl Ether | 3.17 | 73 | 8979 | 0.249 | ug/L | 95 |
| 18) trans-1,2-Dichloroethene | 3.14 | 96 | 3872 | 0.244 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.67 | 63 | 6504 | 0.240 | ug/L | 98 |
| 21) 2-Butanone | 4.66 | 43 | 8691 | 2.615 | ug/L | 74 |
| 22) cis-1,2-Dichloroethene | 4.56 | 96 | 4043 | 0.240 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103020\
Data File : VX019185.D
Acq On : 29 Oct 2020 12:15
Operator : JC/MD
Sample : L4485-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** MDL-WATER-04

Quant Time: Oct 29 11:36:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 29 06:24:00 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.98 | 128 | 1702 | 0.243 ug/L | 80 |
| 25) Chloroform | 5.17 | 83 | 8267 | 0.293 ug/L | 95 |
| 27) 1,2-Dichloroethane | 6.16 | 62 | 4515 | 0.256 ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 5.45 | 97 | 6314 | 0.246 ug/L | 99 |
| 30) Cyclohexane | 5.54 | 56 | 6337 | 0.247 ug/L | 99 |
| 31) Carbon tetrachloride | 5.75 | 117 | 5099 | 0.233 ug/L | 94 |
| 33) Benzene | 6.10 | 78 | 15401 | 0.248 ug/L | 100 |
| 34) Trichloroethene | 7.18 | 95 | 4187 | 0.247 ug/L | 93 |
| 35) Methylcyclohexane | 7.43 | 83 | 6533 | 0.238 ug/L | 94 |
| 37) 1,2-Dichloropropane | 7.48 | 63 | 3613 | 0.247 ug/L | 100 |
| 38) Bromodichloromethane | 7.87 | 83 | 4542 | 0.239 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 8.42 | 75 | 5410 | 0.241 ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 8.62 | 43 | 18924 | 2.426 ug/L # | 85 |
| 42) Toluene | 8.76 | 91 | 16713 | 0.250 ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 9.02 | 75 | 5950 | 0.317 ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 9.20 | 97 | 2555 | 0.240 ug/L | 94 |
| 47) Tetrachloroethene | 9.32 | 164 | 3175 | 0.245 ug/L | 93 |
| 48) 2-Hexanone | 9.48 | 43 | 14566 | 2.670 ug/L | 99 |
| 49) Dibromochloromethane | 9.57 | 129 | 2903 | 0.235 ug/L | 94 |
| 50) 1,2-Dibromoethane | 9.65 | 107 | 2442 | 0.247 ug/L # | 96 |
| 51) Chlorobenzene | 10.12 | 112 | 10355 | 0.244 ug/L | 94 |
| 52) Ethylbenzene | 10.23 | 91 | 17624 | 0.235 ug/L | 100 |
| 53) m,p-xylene | 10.34 | 106 | 6620 | 0.230 ug/L | 99 |
| 54) o-xylene | 10.68 | 106 | 6400 | 0.232 ug/L | 99 |
| 55) Styrene | 10.70 | 104 | 9771 | 0.217 ug/L | 96 |
| 57) 1,1,2,2-Tetrachloroethane | 11.25 | 83 | 3193 | 0.263 ug/L # | 94 |
| 59) Bromoform | 10.84 | 173 | 1450 | 0.224 ug/L | 99 |
| 60) Isopropylbenzene | 11.00 | 105 | 17260 | 0.239 ug/L | 97 |
| 61) 1,2,3-Trichloropropane | 11.28 | 75 | 2166 | 0.245 ug/L | 94 |
| 62) 1,3,5-Trimethylbenzene | 11.49 | 105 | 13245 | 0.219 ug/L | 95 |
| 63) 1,2,4-Trimethylbenzene | 11.79 | 105 | 13764 | 0.224 ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 12.01 | 146 | 7738 | 0.241 ug/L | 97 |
| 65) 1,4-Dichlorobenzene | 12.08 | 146 | 7625 | 0.238 ug/L | 91 |
| 67) 1,2-Dichlorobenzene | 12.38 | 146 | 7323 | 0.248 ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropropan | 12.98 | 75 | 502 | 0.248 ug/L | 98 |
| 69) 1,3,5-Trichlorobenzene | 13.15 | 180 | 5372 | 0.228 ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 13.63 | 180 | 4707 | 0.229 ug/L | 93 |
| 71) Naphthalene | 13.82 | 128 | 7500 | 0.203 ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.00 | 180 | 4085 | 0.225 ug/L | 96 |

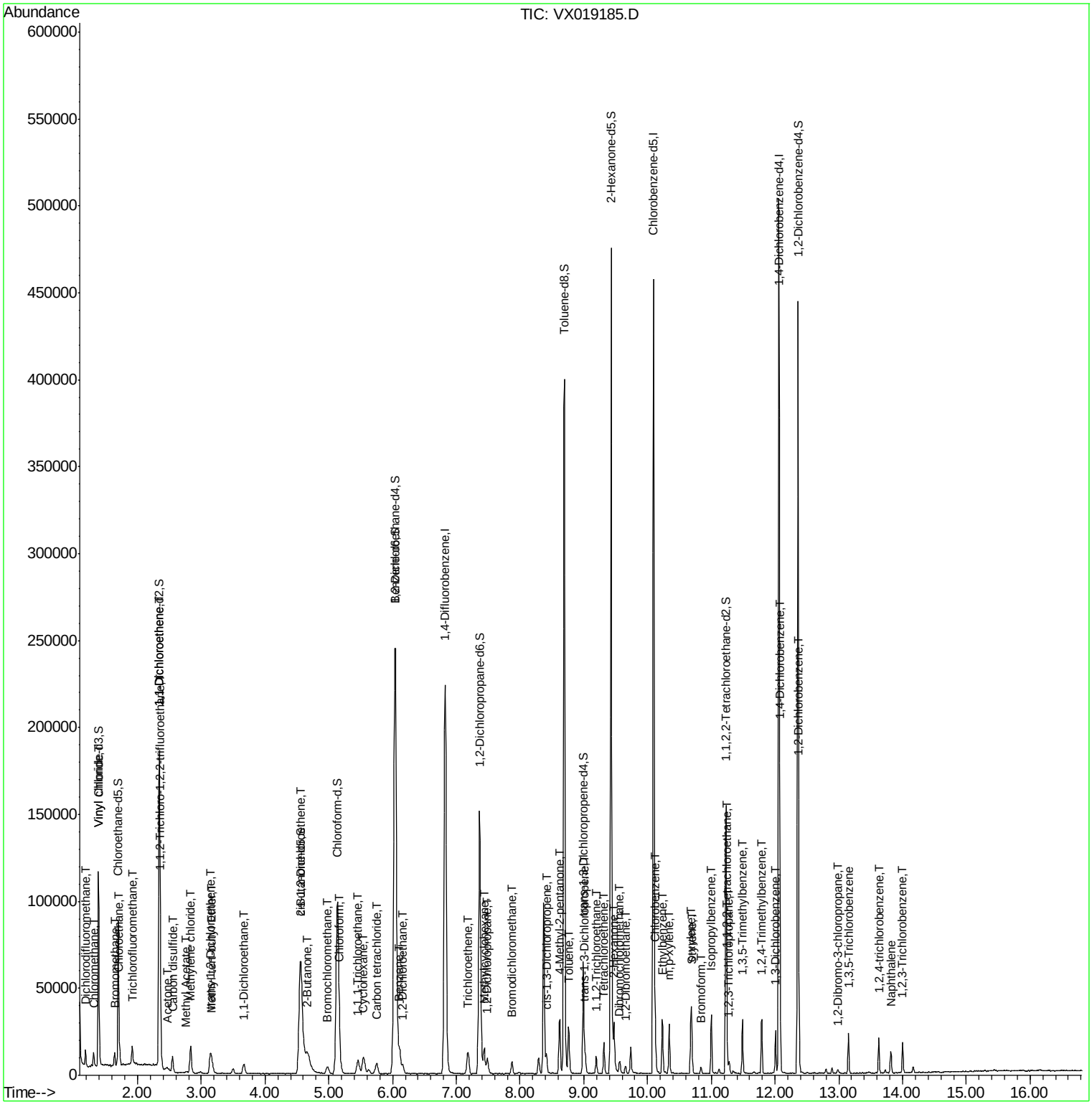
(#) = qualifier out of range (m) = manual integration (+) = signals summed

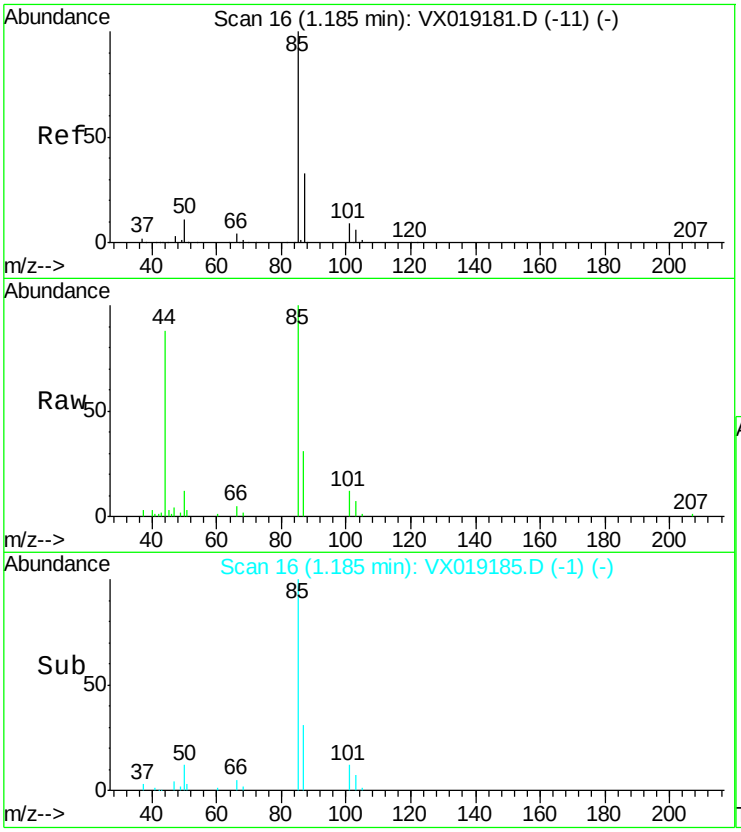
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103020\
Data File : VX019185.D
Acq On : 29 Oct 2020 12:15
Operator : JC/MD
Sample : L4485-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Quant Time: Oct 29 11:36:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 29 06:24:00 2020
Response via : Initial Calibration



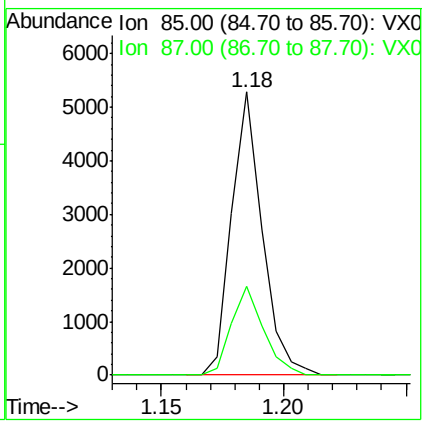


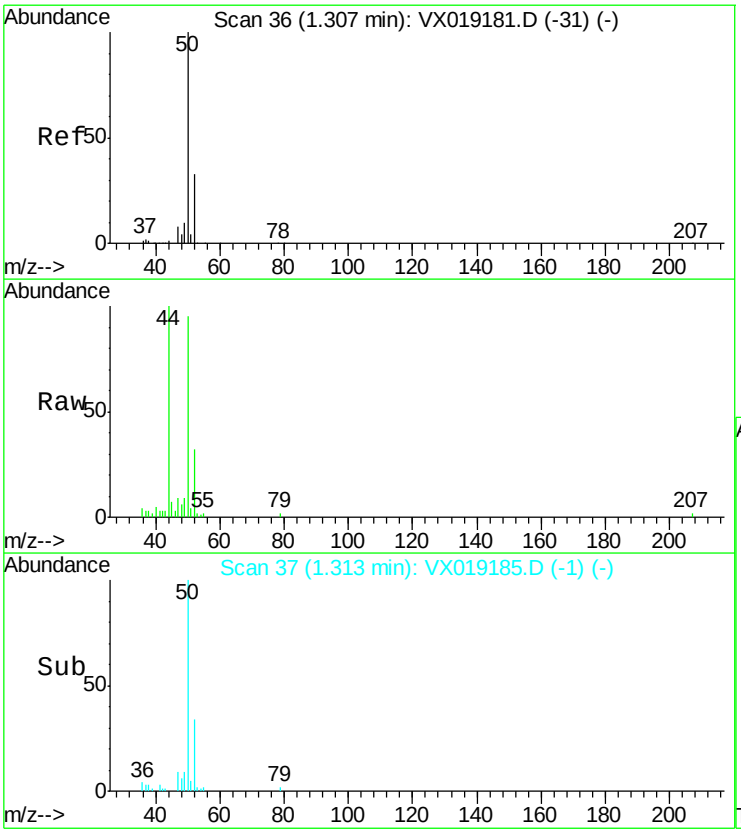

#2
Dichlorodifluoromethane
Concen: 0.237 ug/L
RT: 1.18 min Scan# 16
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 85 Resp: 4599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.1 | 26.1 | 39.1 |

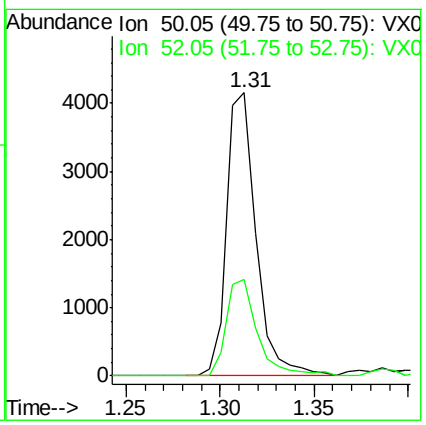


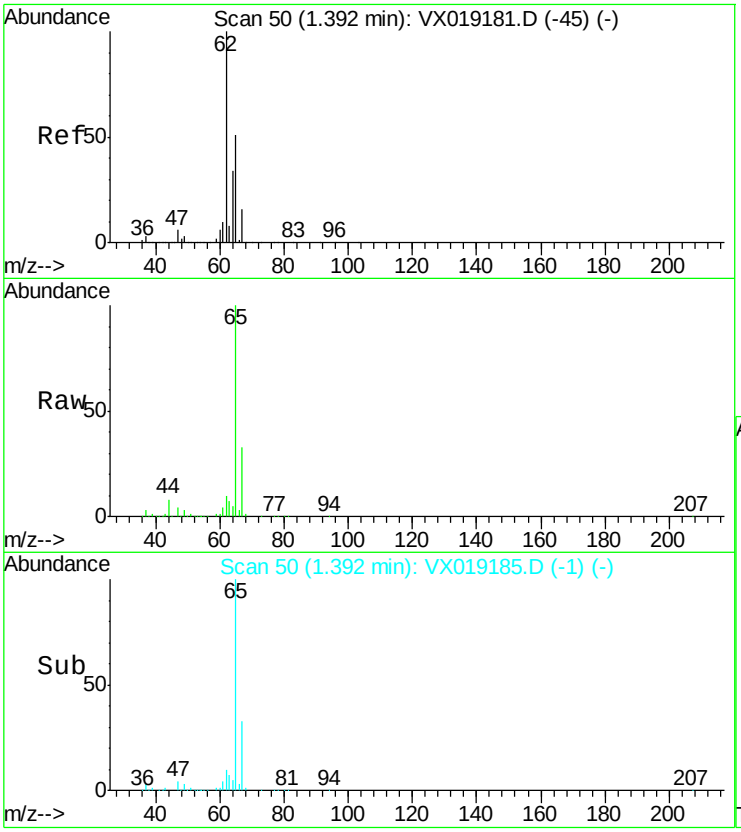




#3
Chloromethane
Concen: 0.269 ug/L
RT: 1.31 min Scan# 37
Delta R.T. 0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 50 Resp: 4504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.9 | 23.4 | 43.6 |



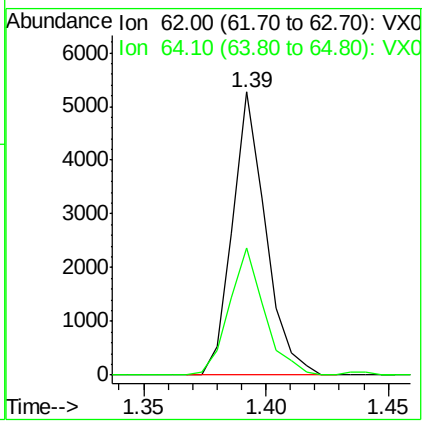


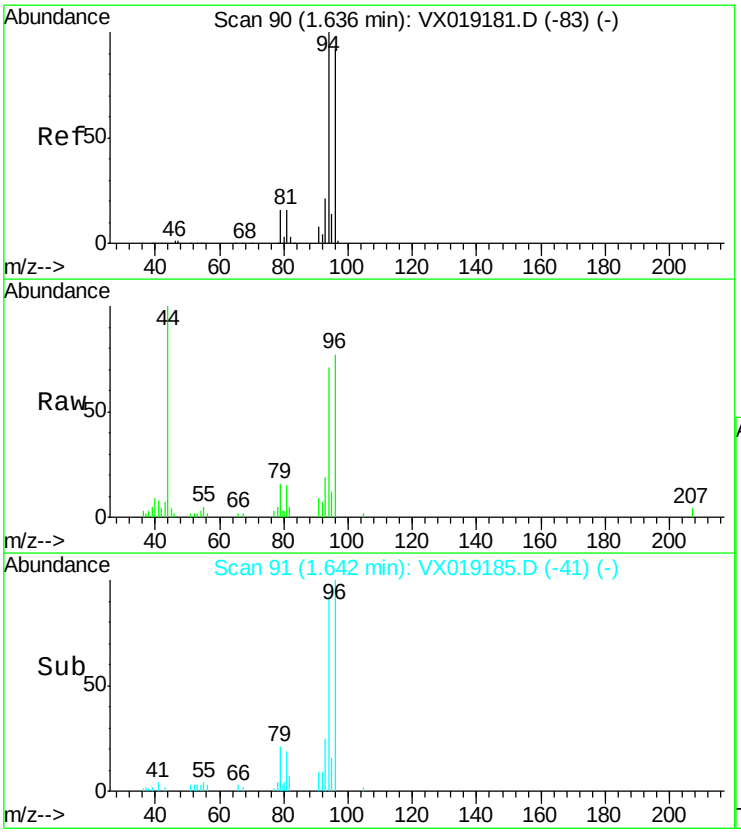

#5
Vinyl chloride
Concen: 0.263 ug/L
RT: 1.39 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 62 Resp: 4960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 45.1 | 23.5 | 43.7# |

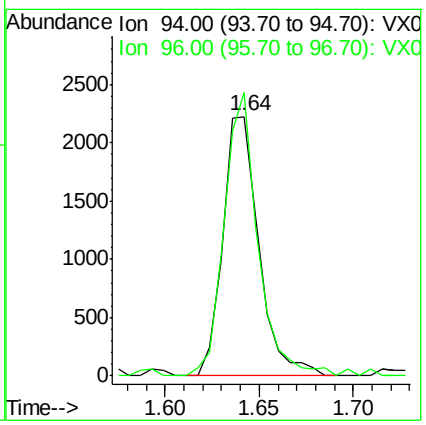


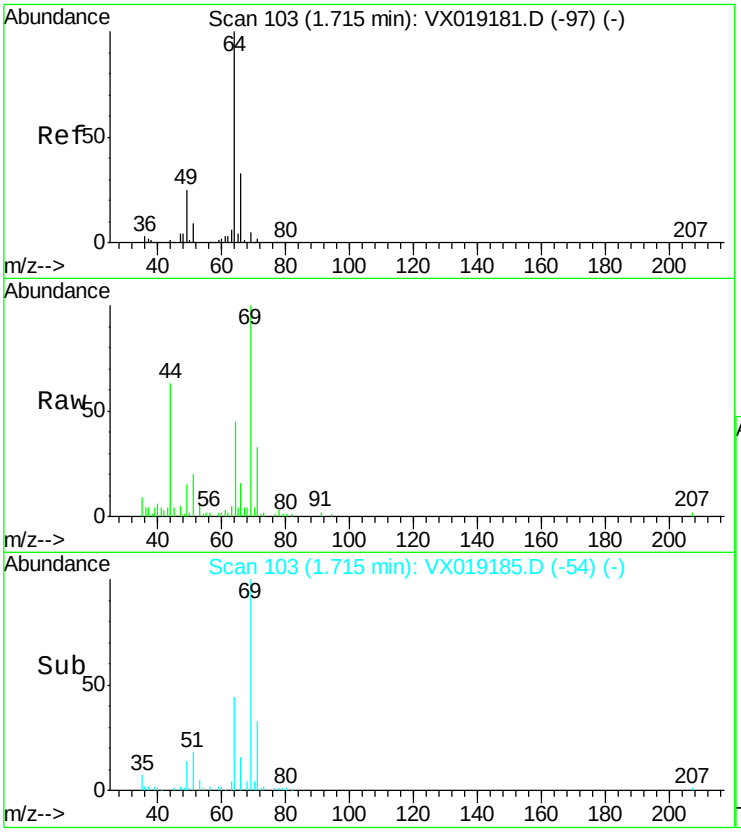




#6
Bromomethane
Concen: 0.243 ug/L
RT: 1.64 min Scan# 91
Delta R.T. 0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 94 Resp: 2956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 109.1 | 67.9 | 126.1 |



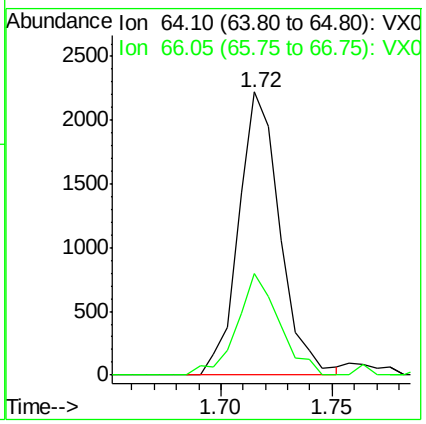


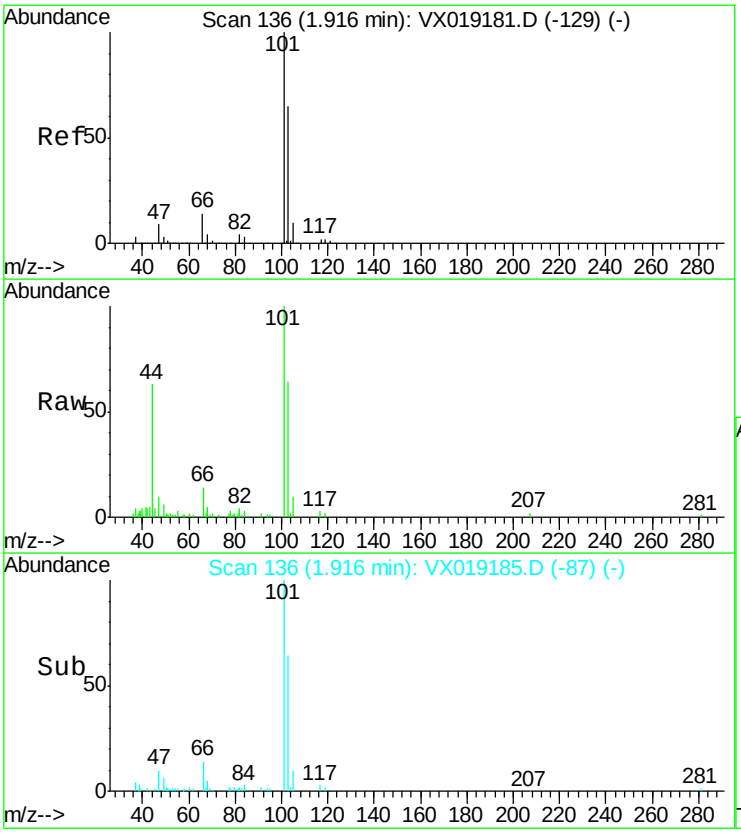

#8
Chloroethane
Concen: 0.251 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 64 Resp: 2867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.7 | 22.7 | 42.1 |

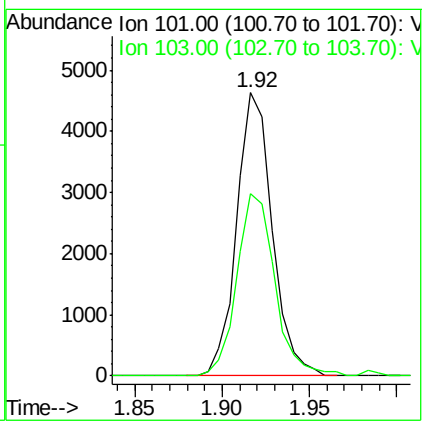


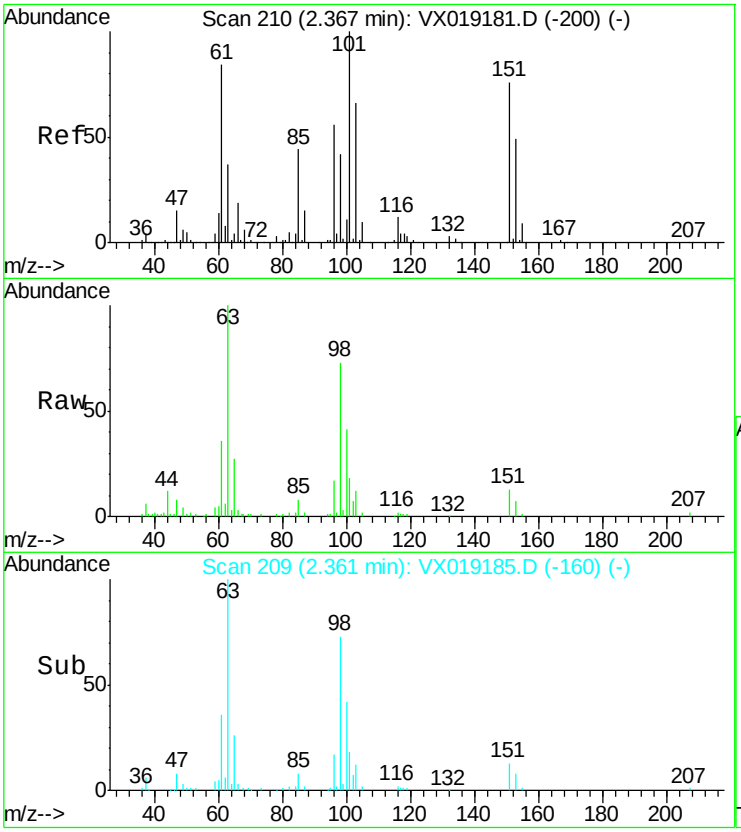




#9
Trichlorofluoromethane
Concen: 0.241 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:101 Resp: 6556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 68.7 | 51.9 | 77.9 |



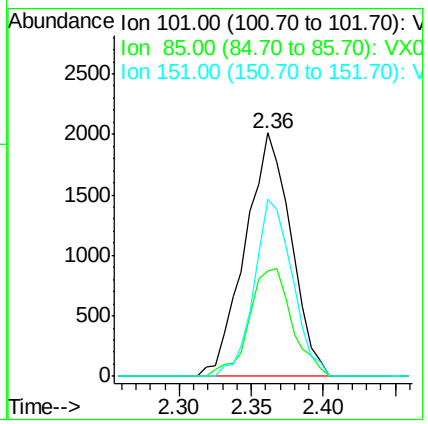


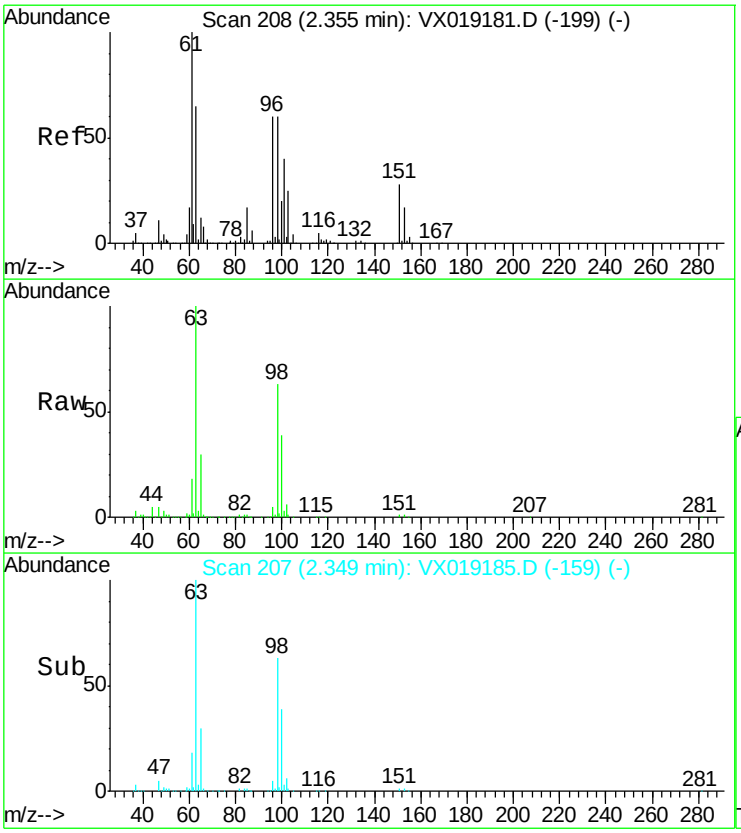

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.287 ug/L
RT: 2.36 min Scan# 209
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion:101 Resp: 4440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 41.0 | 35.3 | 52.9 |
| 151 | 60.5 | 60.9 | 91.3# |

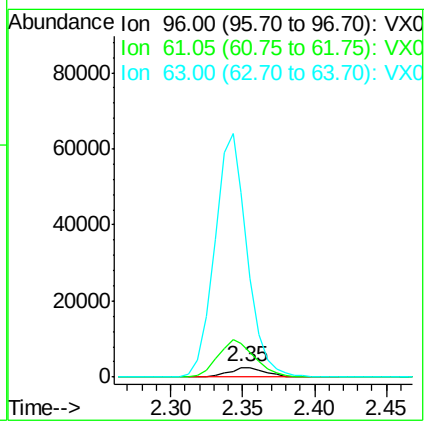


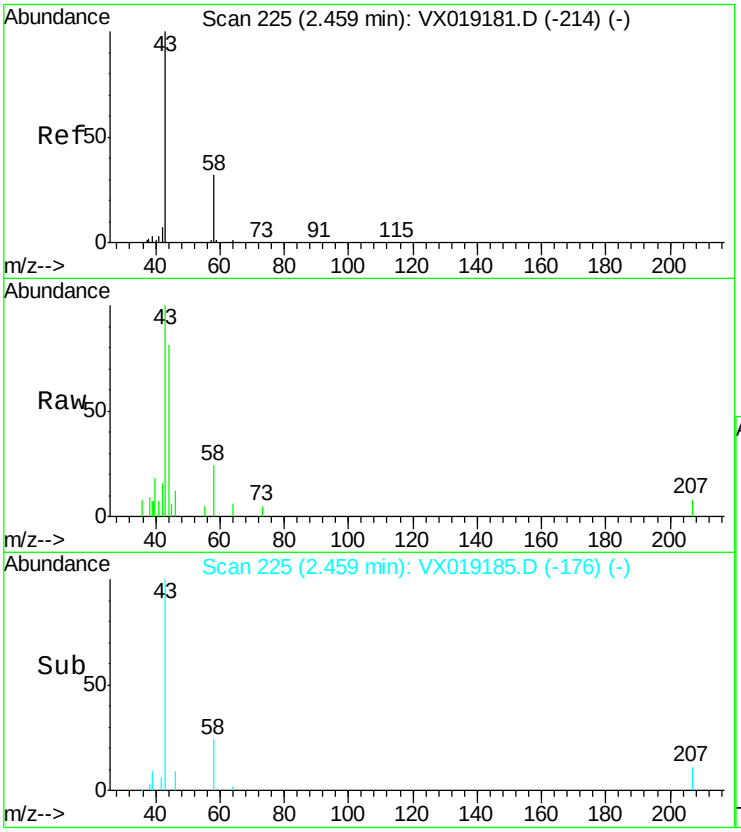




#12
1,1-Dichloroethene
Concen: 0.297 ug/L
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 96 Resp: 4475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 358.4 | 109.5 | 203.3# |
| 63 | 1947.5 | 68.3 | 126.9# |



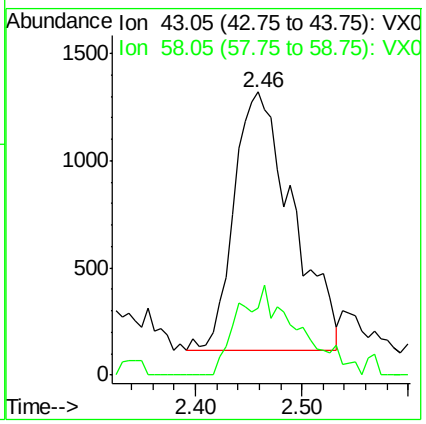


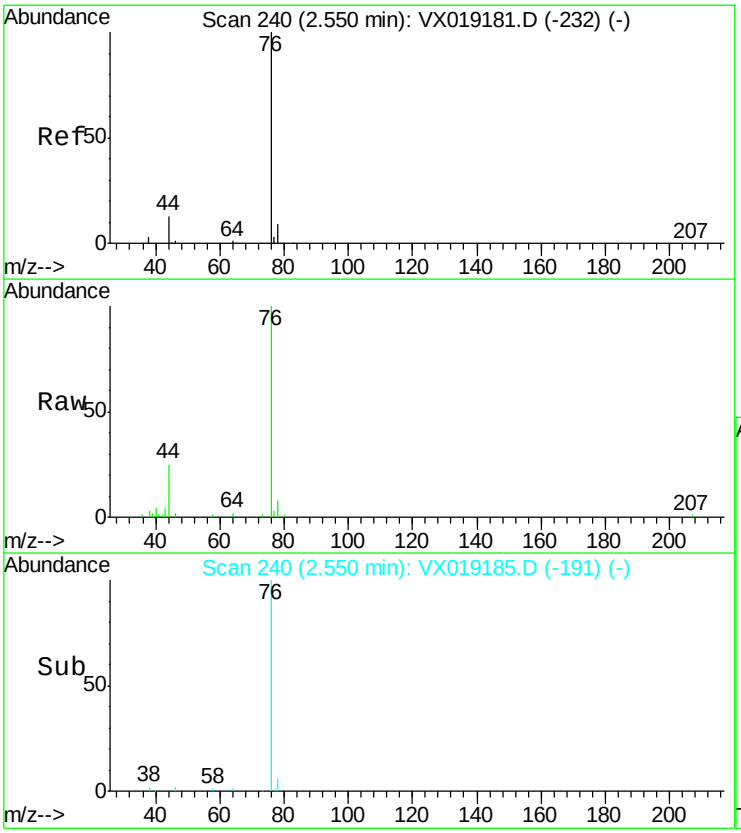

#13
Acetone
Concen: 2.461 ug/L
RT: 2.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 43 Resp: 4658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.2 | 0.0 | 65.4 |

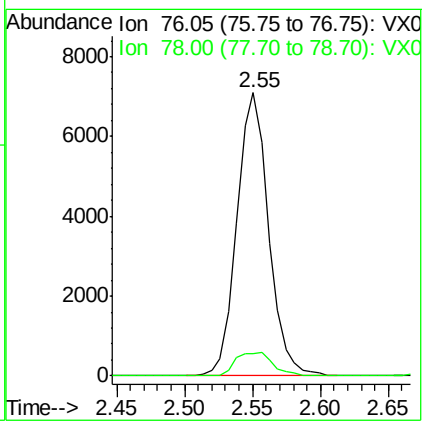


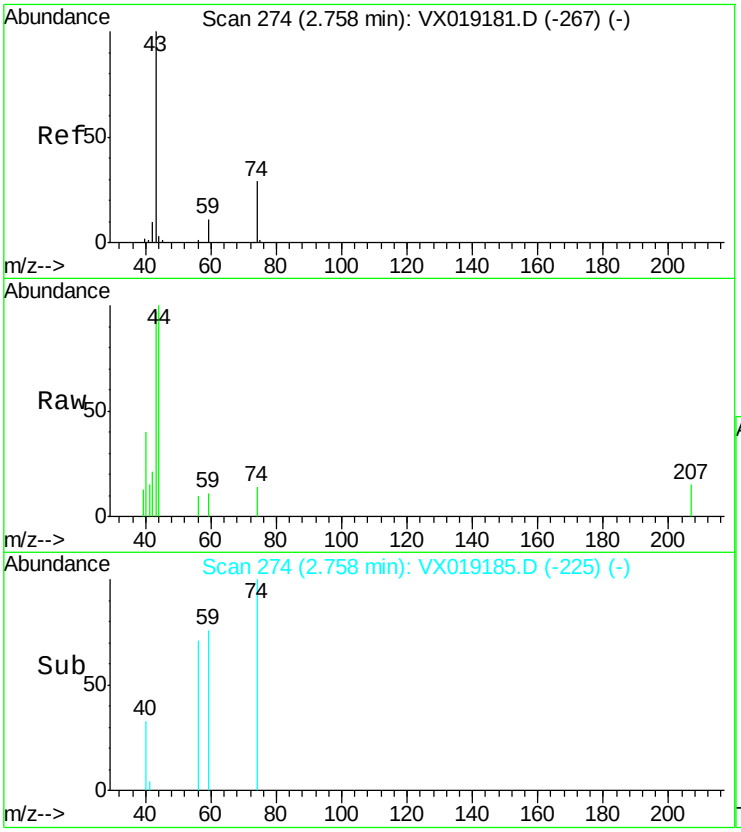




#14
Carbon disulfide
Concen: 0.247 ug/L
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 76 Resp: 11545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.8 | 7.4 | 11.0 |



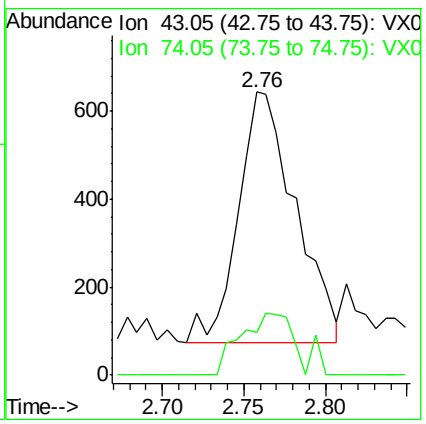


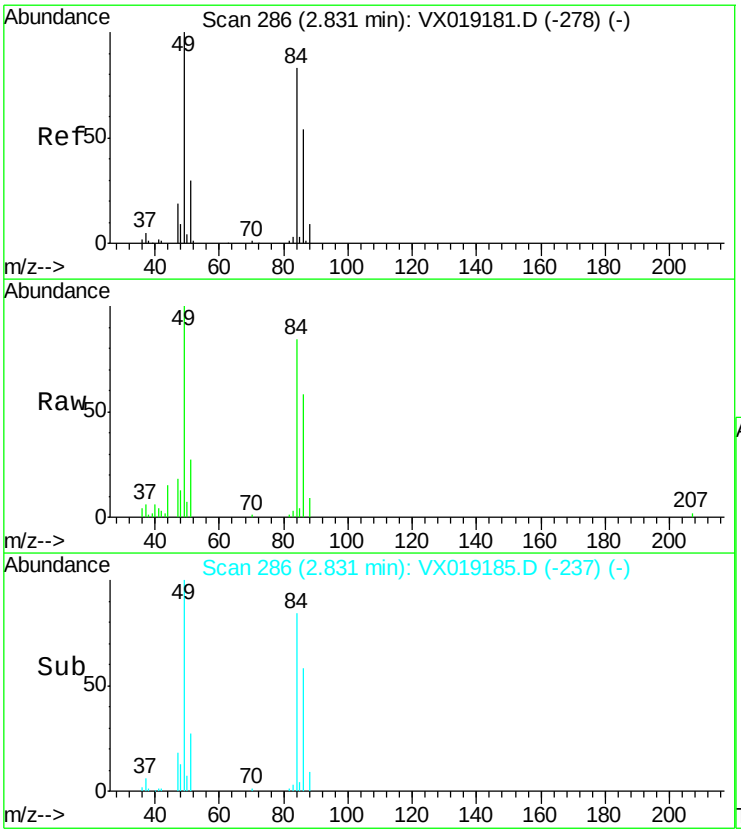

#15
Methyl Acetate
Concen: 0.273 ug/L
RT: 2.76 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 43 Resp: 1381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 22.3 | 33.5# |

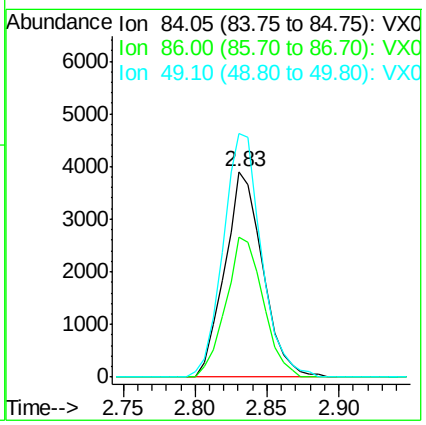


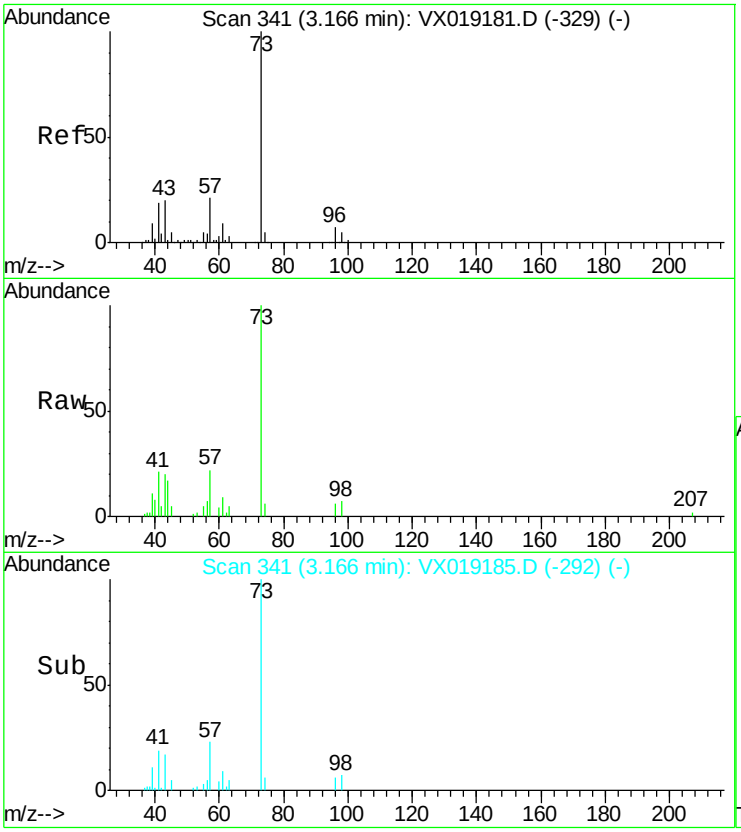




#16
Methylene chloride
Concen: 0.400 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 84 Resp: 7180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 68.5 | 42.2 | 78.4 |
| 49 | 118.6 | 77.5 | 143.9 |



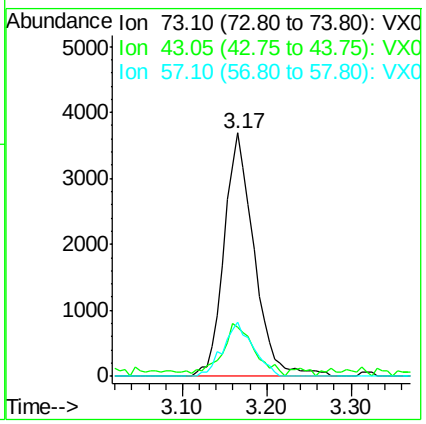


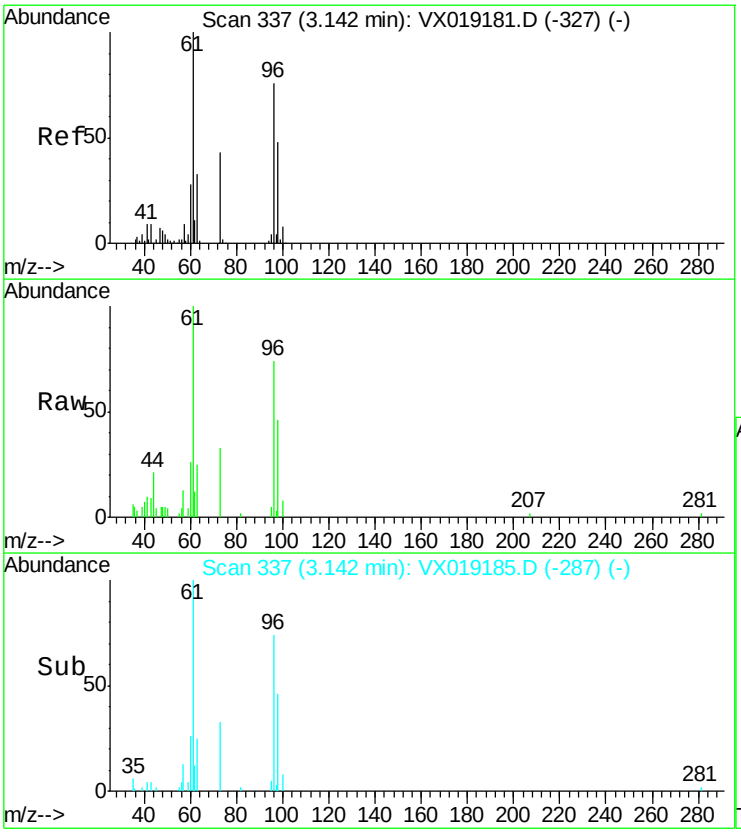

#17
Methyl tert-butyl Ether
Concen: 0.249 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 73 Resp: 8979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 23.7 | 16.1 | 24.1 |
| 57 | 22.2 | 16.8 | 25.2 |

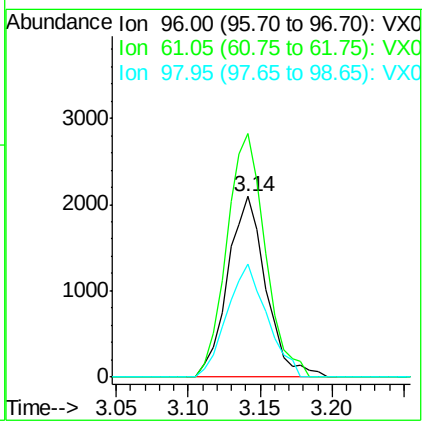


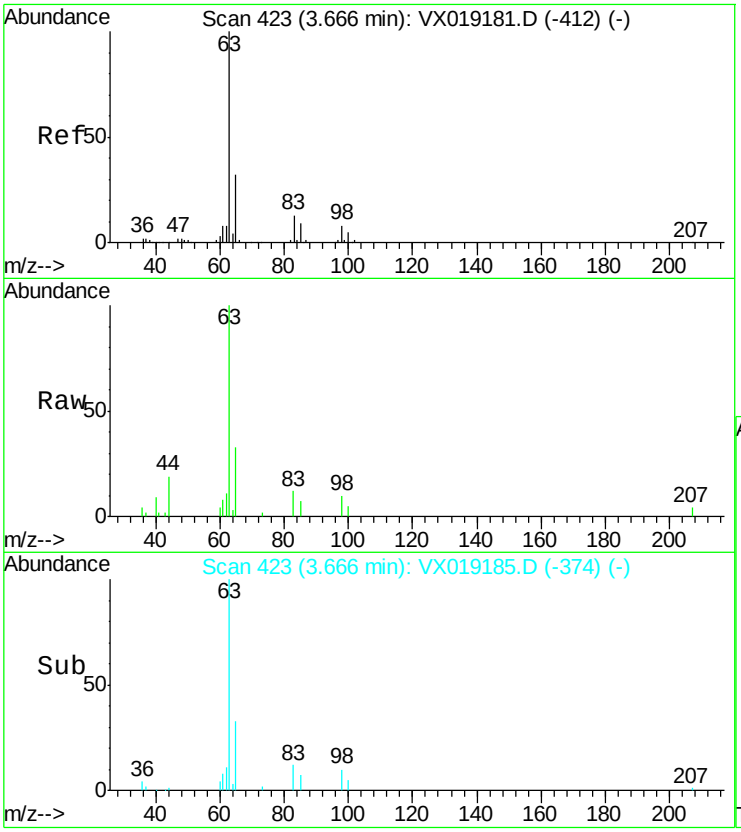




#18
trans-1,2-Dichloroethene
Concen: 0.244 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 96 Resp: 3872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.9 | 93.7 | 173.9 |
| 98 | 62.5 | 42.8 | 79.6 |



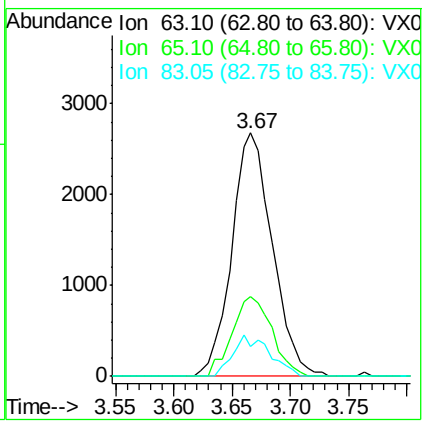


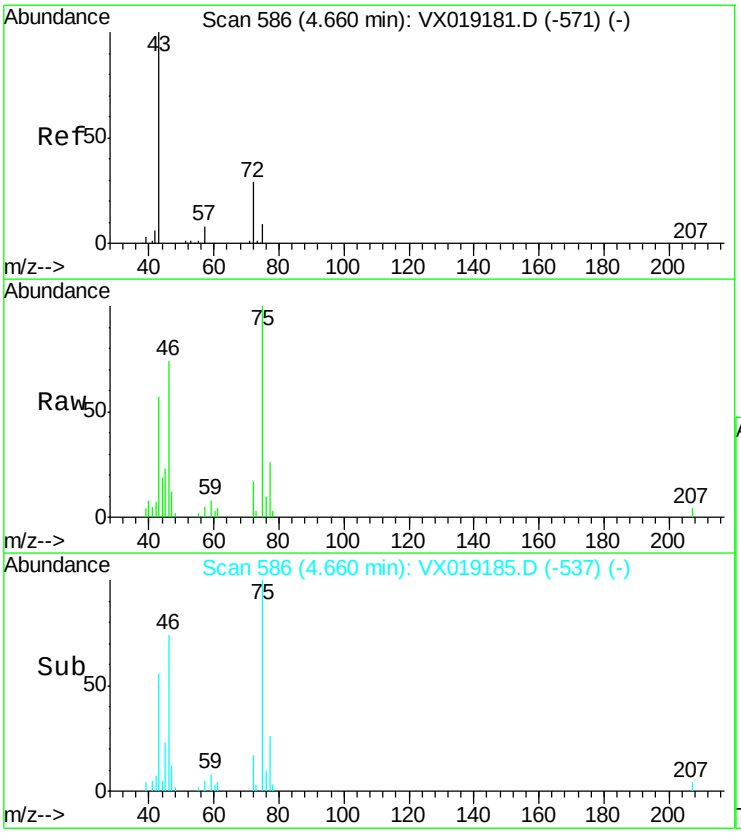

#19
1,1-Dichloroethane
Concen: 0.240 ug/L
RT: 3.67 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 63 Resp: 6504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.0 | 22.5 | 41.9 |
| 83 | 12.4 | 9.7 | 17.9 |

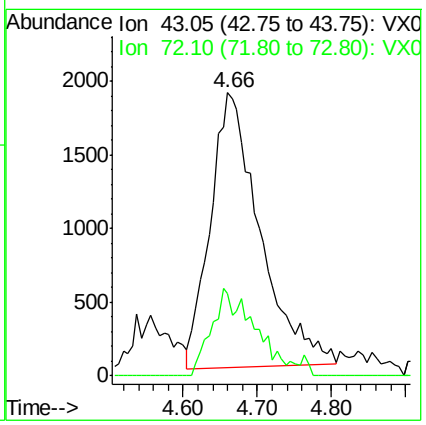


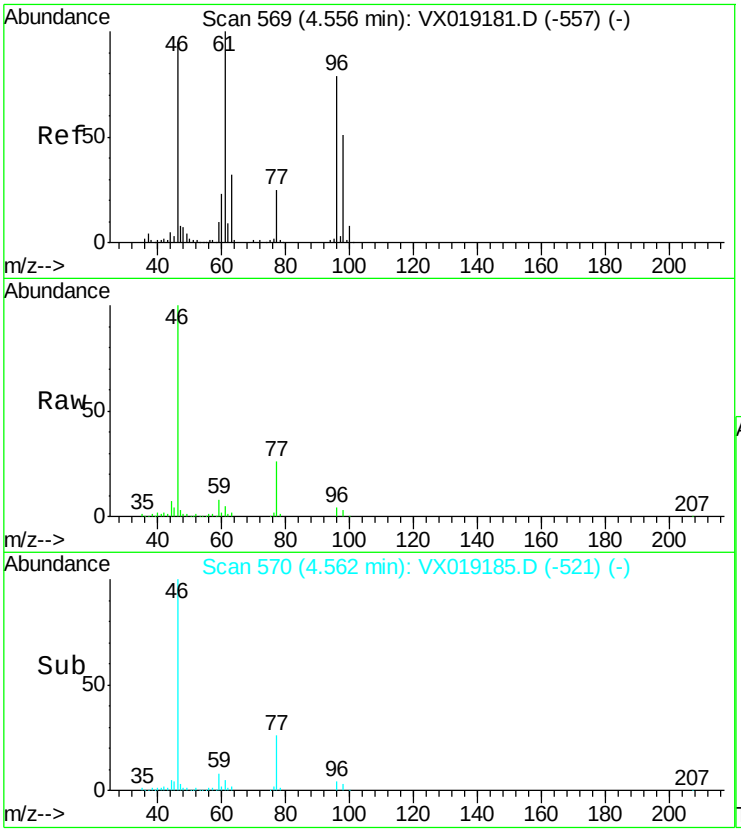




#21
2-Butanone
Concen: 2.615 ug/L
RT: 4.66 min Scan# 586
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 43 Resp: 8691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 14.9 | 14.4 | 43.4 |



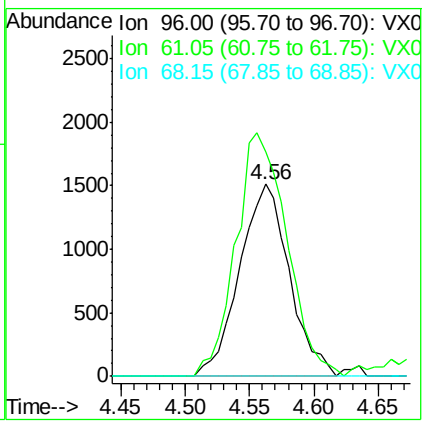


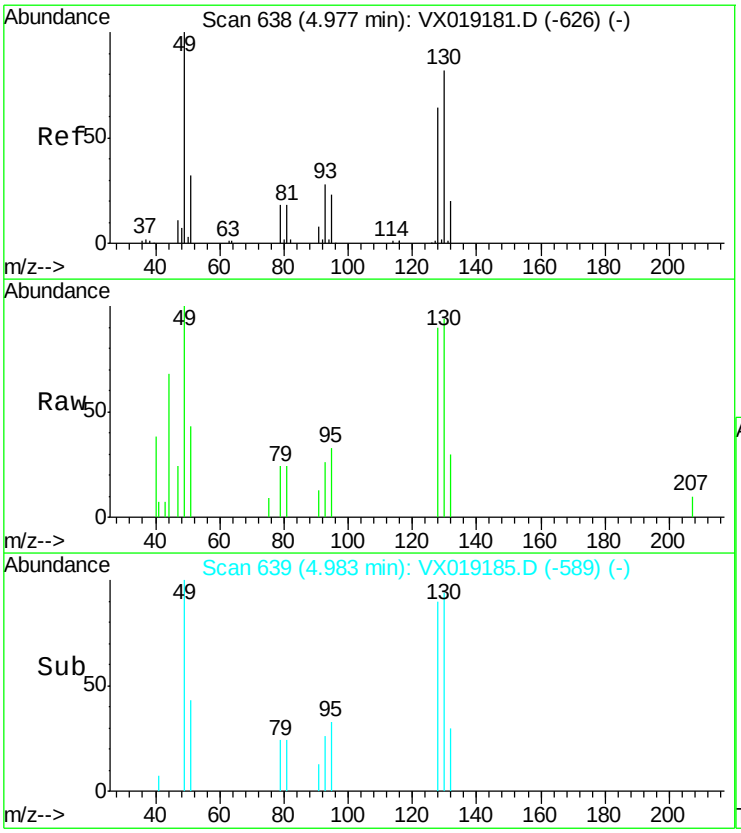

#22
cis-1,2-Dichloroethene
Concen: 0.240 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 96 Resp: 4043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 116.8 | 85.7 | 159.1 |
| 68 | 0.0 | 0.0 | 0.0 |

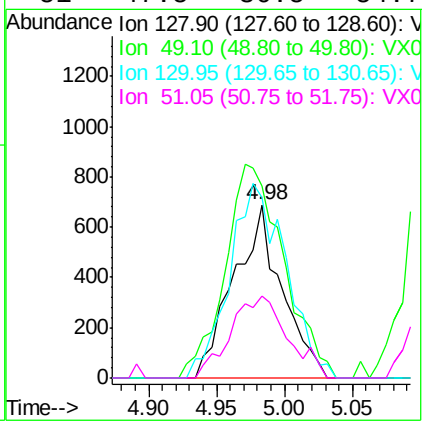


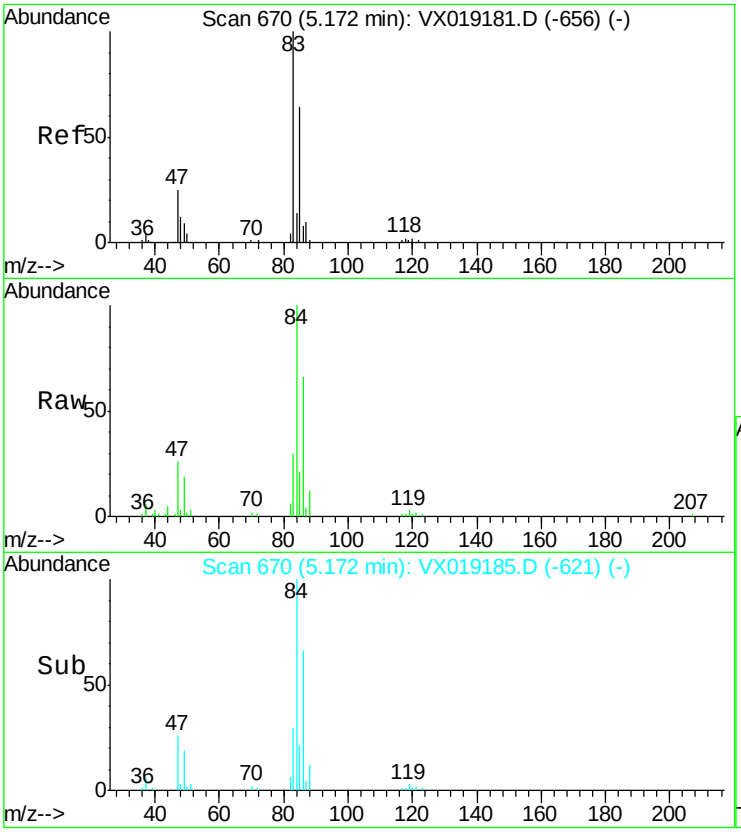




#23
Bromochloromethane
Concen: 0.243 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:128 Resp: 1702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 111.2 | 102.8 | 191.0 |
| 130 | 104.2 | 86.3 | 160.3 |
| 51 | 47.5 | 36.5 | 54.7 |



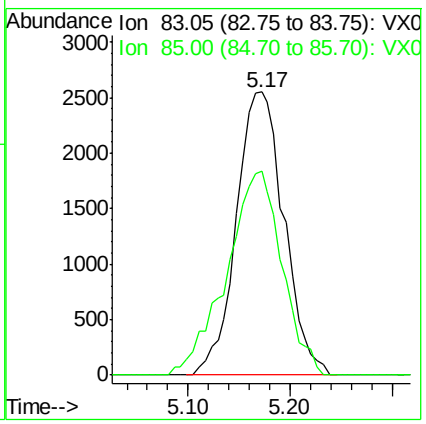


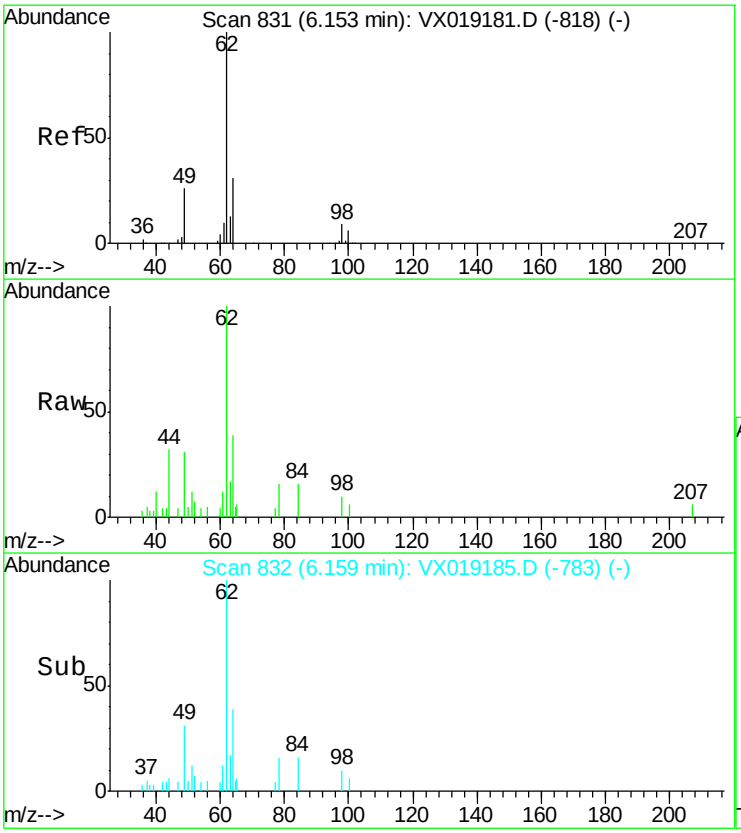

#25
Chloroform
Concen: 0.293 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 83 Resp: 8267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 72.3 | 47.6 | 88.4 |

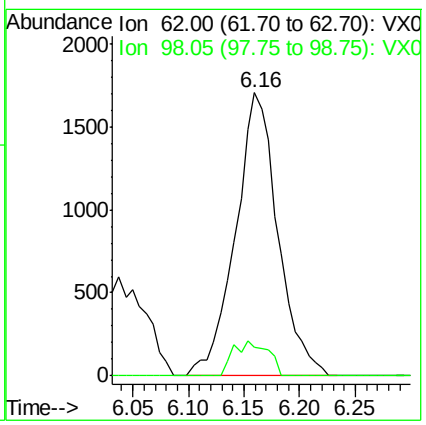


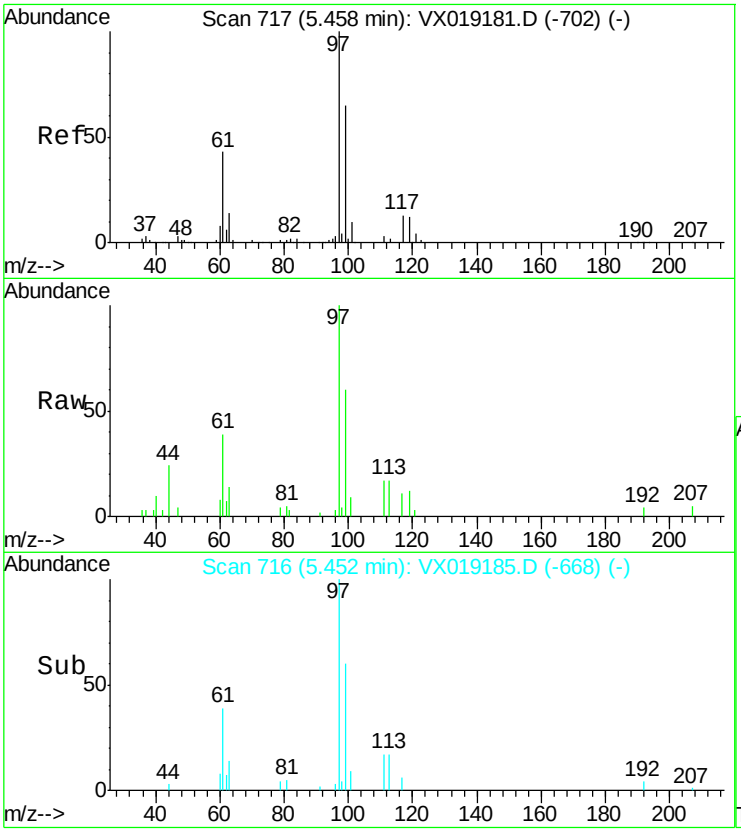




#27
1,2-Dichloroethane
Concen: 0.256 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 62 Resp: 4515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.2 | 7.4 | 11.0 |



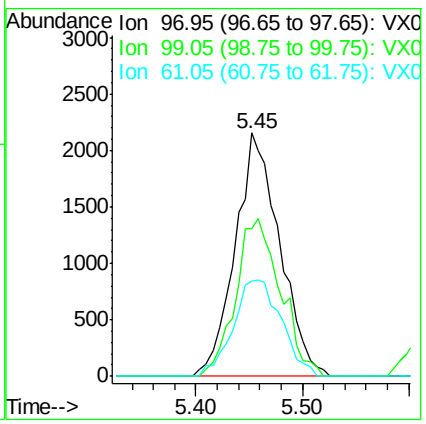


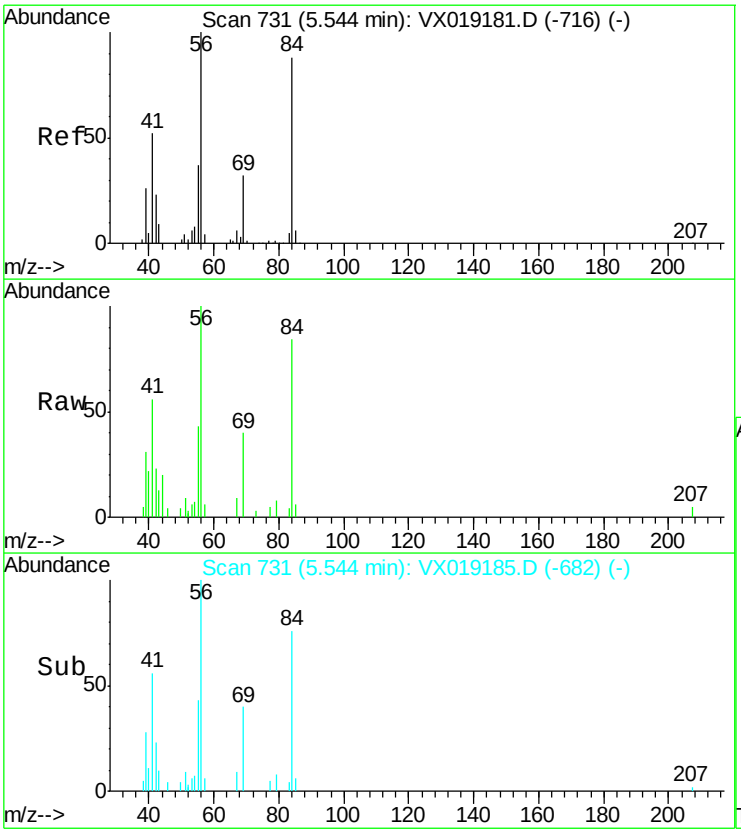

#29
1,1,1-Trichloroethane
Concen: 0.246 ug/L
RT: 5.45 min Scan# 716
Delta R.T. -0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 97 Resp: 6314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.3 | 51.8 | 77.8 |
| 61 | 42.7 | 34.5 | 51.7 |

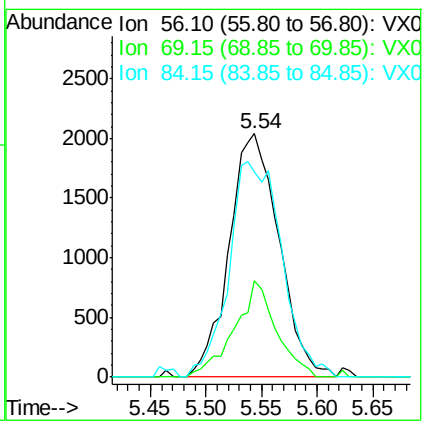


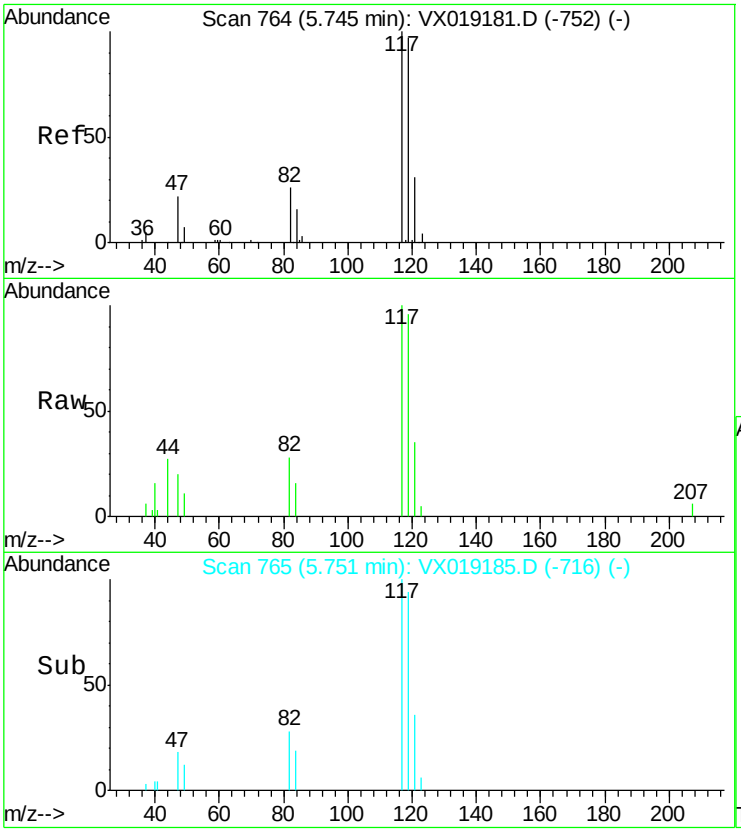




#30
Cyclohexane
Concen: 0.247 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 56 Resp: 6337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.2 | 26.2 | 39.2 |
| 84 | 93.9 | 74.5 | 111.7 |



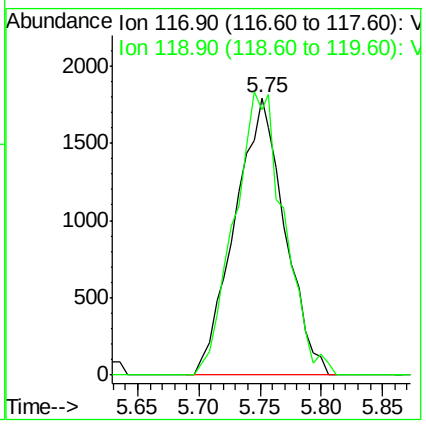


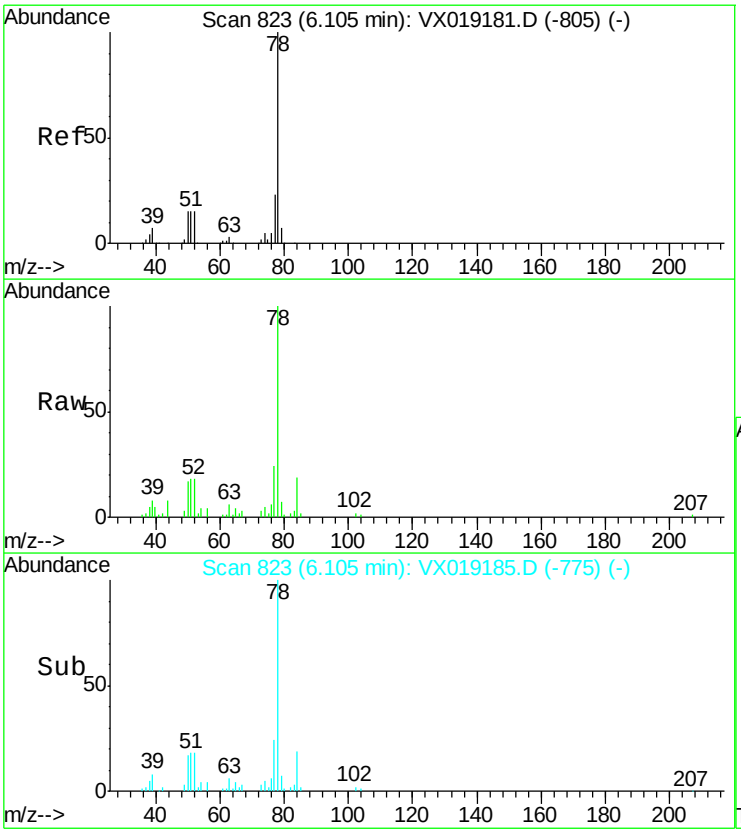

#31
Carbon tetrachloride
Concen: 0.233 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion:117 Resp: 5099

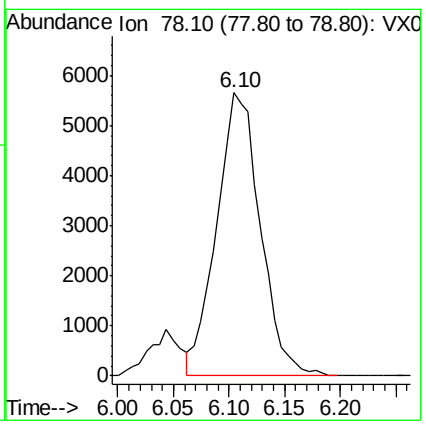
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 102.3 | 77.3 | 115.9 |

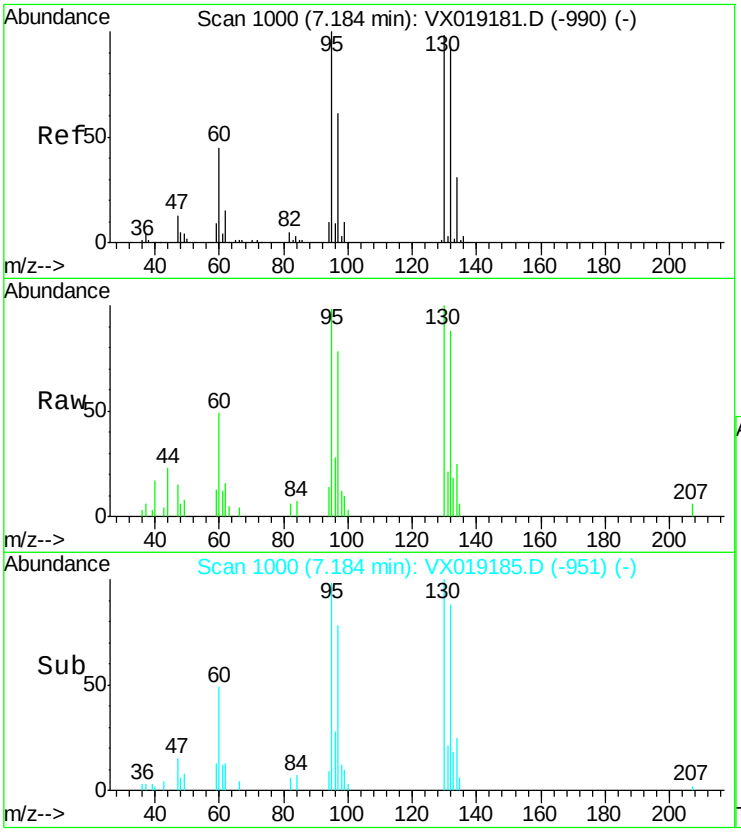



#33
Benzene
Concen: 0.248 ug/L
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 78 Resp: 15401



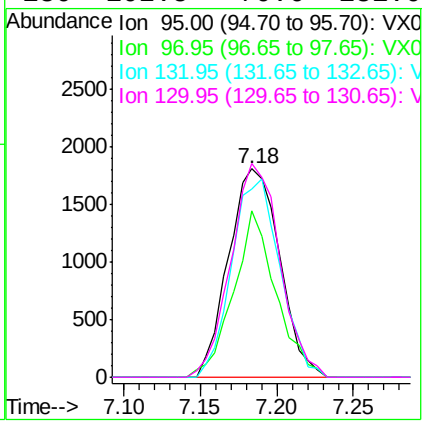


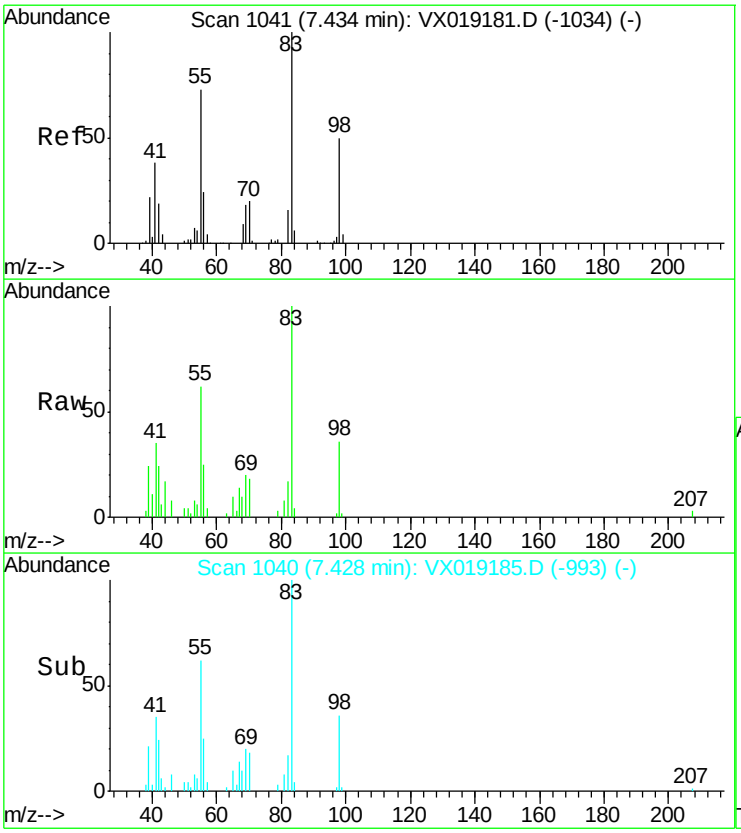

#34
Trichloroethene
Concen: 0.247 ug/L
RT: 7.18 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 95 Resp: 4187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 79.7 | 45.2 | 84.0 |
| 132 | 90.3 | 65.3 | 121.3 |
| 130 | 102.5 | 70.6 | 131.0 |

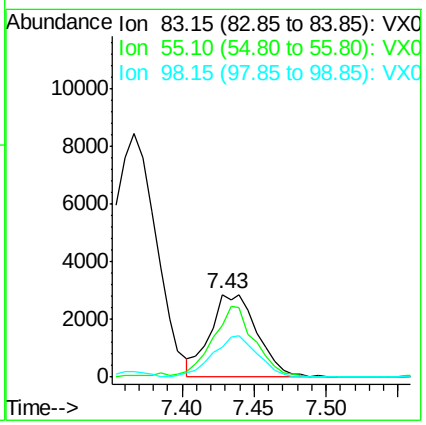


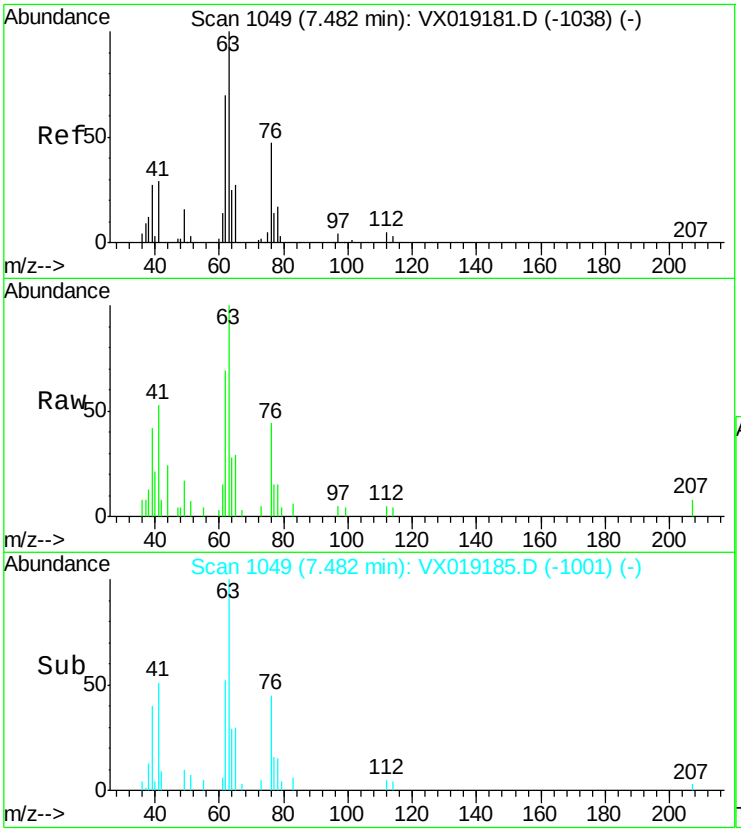




#35
Methylcyclohexane
Concen: 0.238 ug/L
RT: 7.43 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 83 Resp: 6533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.3 | 58.5 | 87.7 |
| 98 | 47.6 | 40.1 | 60.1 |



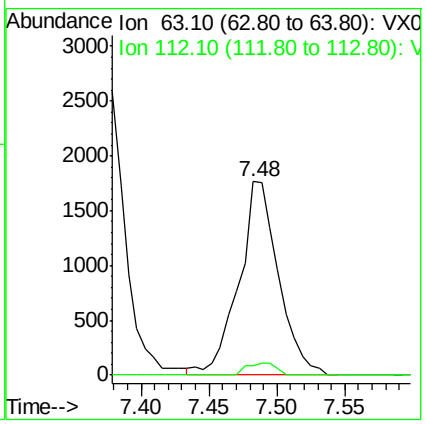


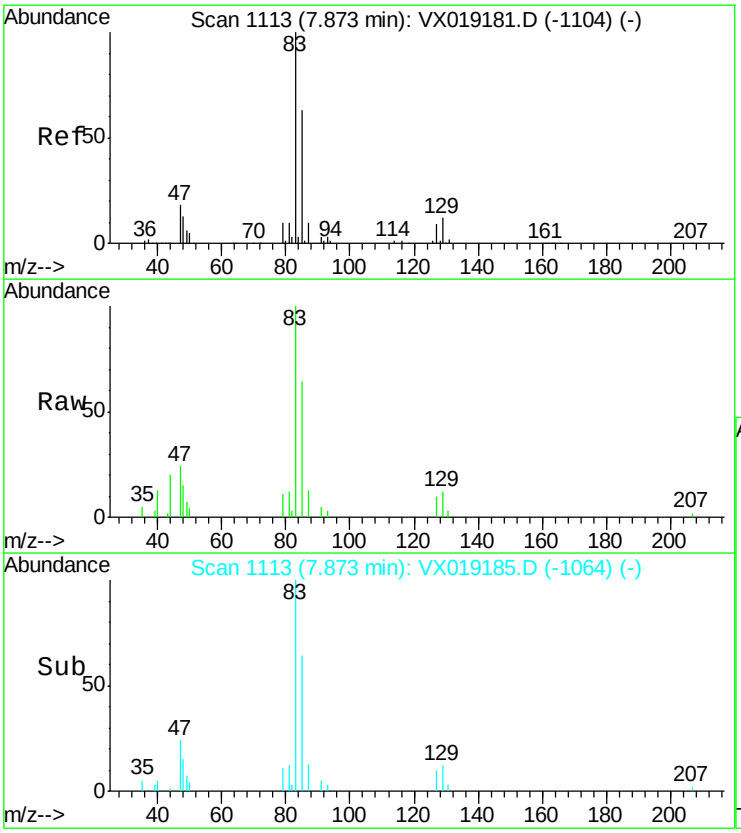

#37
1,2-Dichloropropane
Concen: 0.247 ug/L
RT: 7.48 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 63 Resp: 3613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.7 | 3.8 | 5.6 |

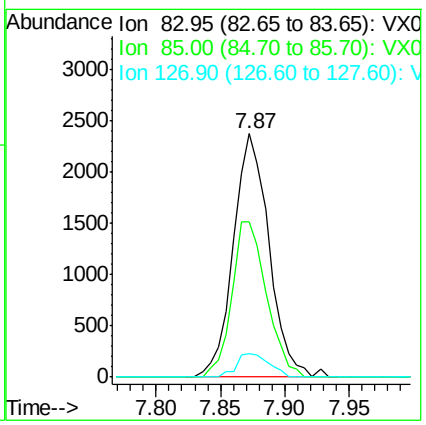


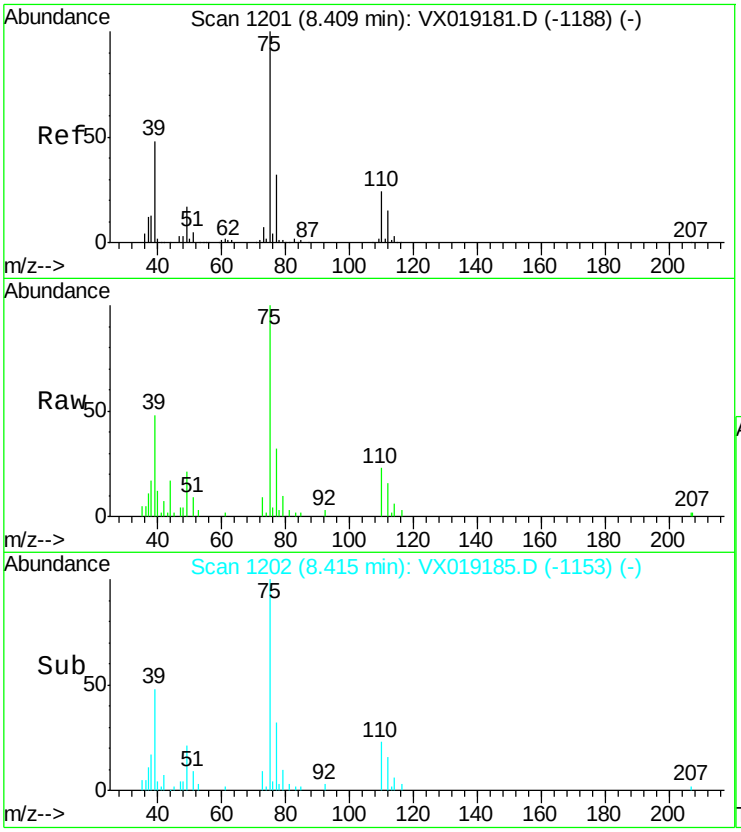




#38
Bromodichloromethane
Concen: 0.239 ug/L
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 83 Resp: 4542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 44.4 | 82.5 |
| 127 | 9.8 | 7.2 | 10.8 |



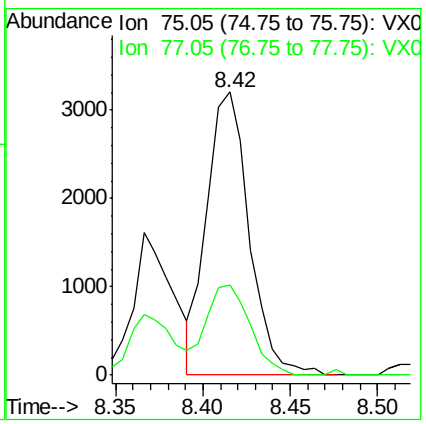


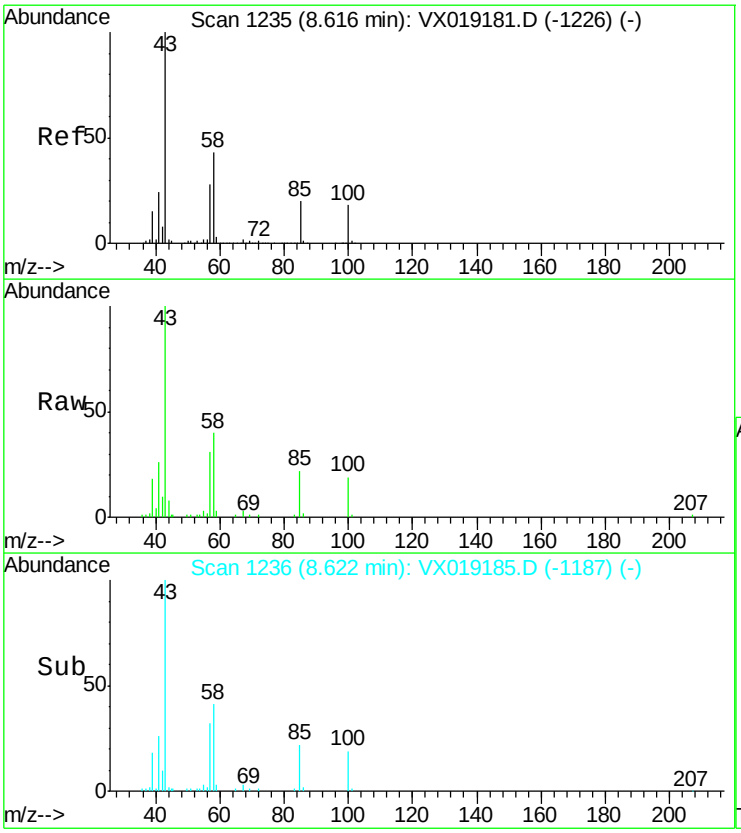

#39
cis-1,3-Dichloropropene
Concen: 0.241 ug/L
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 75 Resp: 5410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 21.8 | 40.6 |

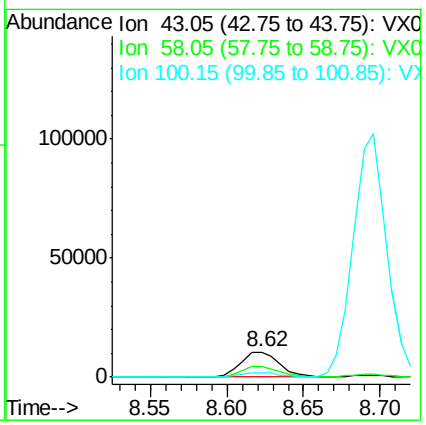


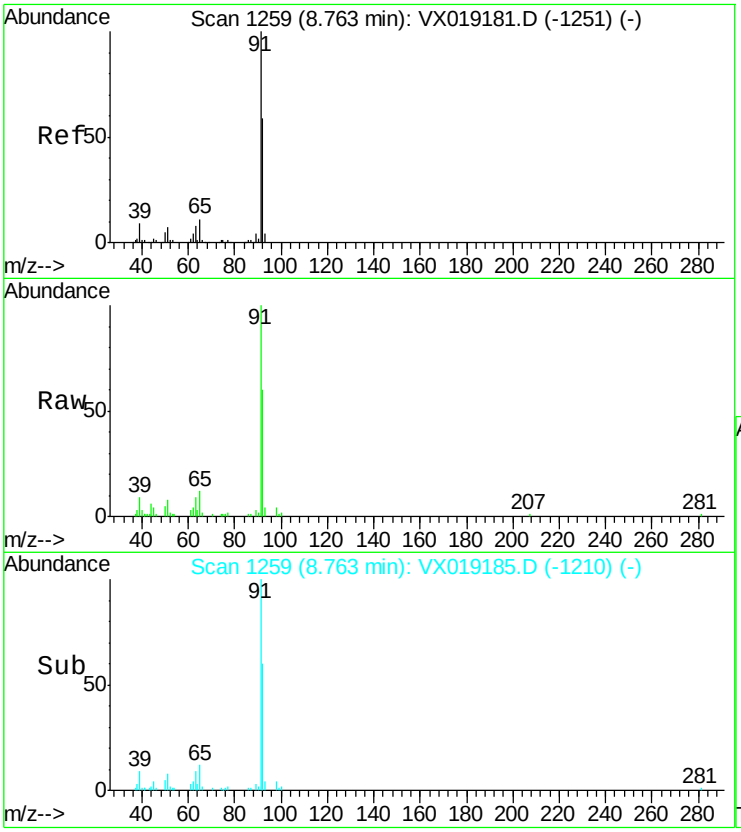




#40
4-Methyl-2-pentanone
Concen: 2.426 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 43 Resp: 18924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.0 | 34.1 | 51.1 |
| 100 | 0.0 | 15.0 | 22.4# |



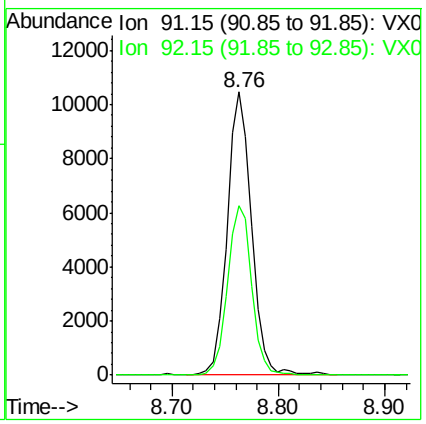


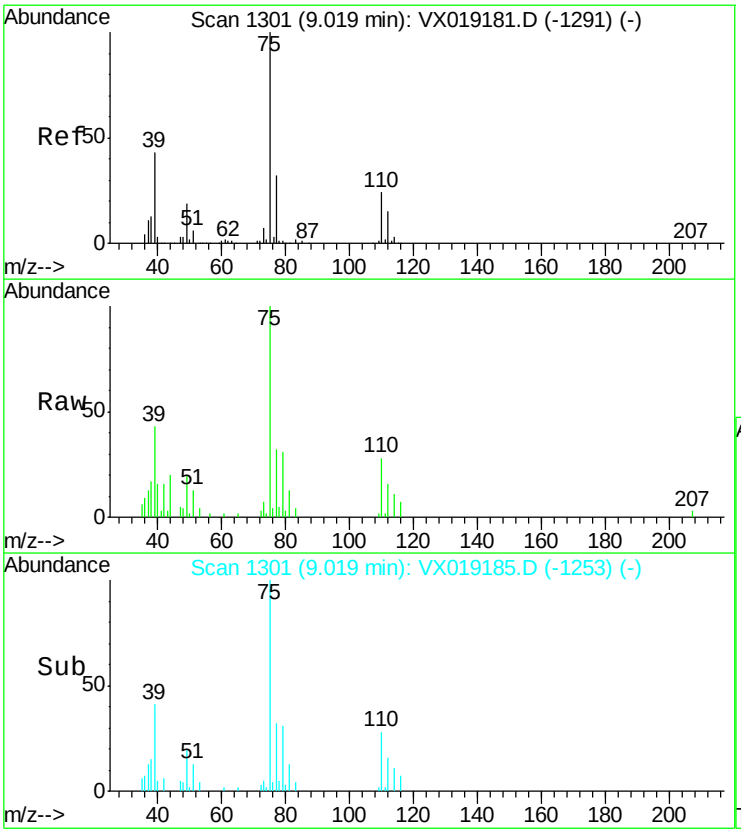

#42
Toluene
Concen: 0.250 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 91 Resp: 16713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.9 | 40.7 | 75.7 |

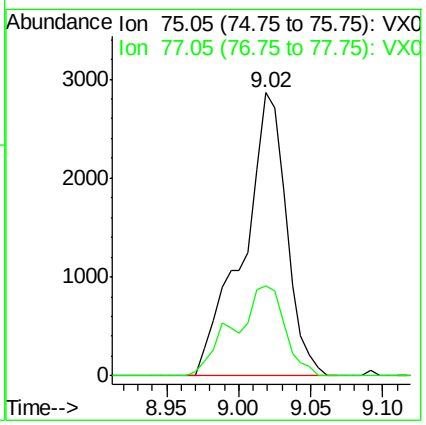


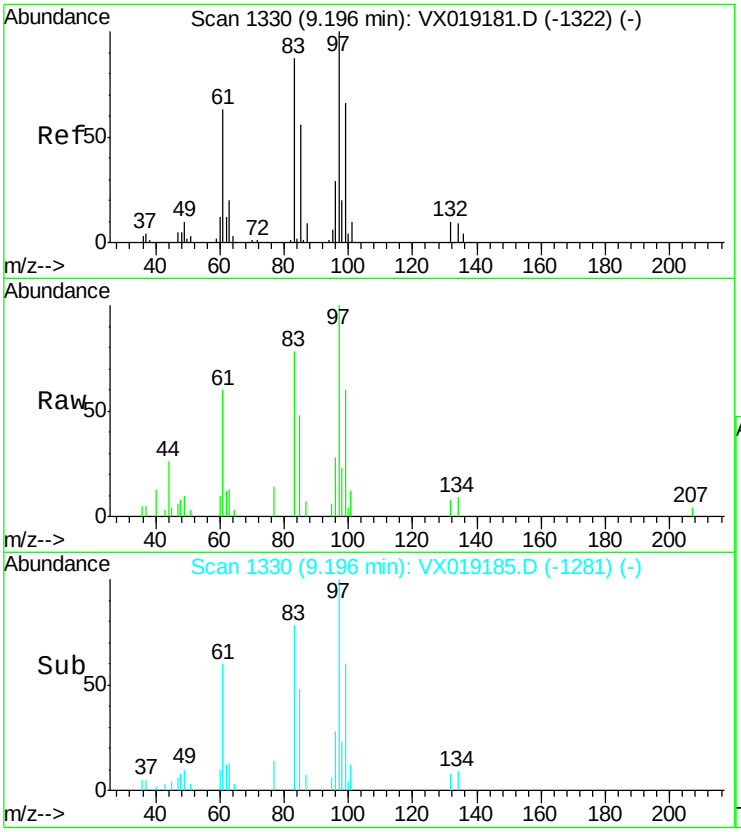




#44
trans-1,3-Dichloropropene
Concen: 0.317 ug/L
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 75 Resp: 5950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 21.7 | 40.3 |



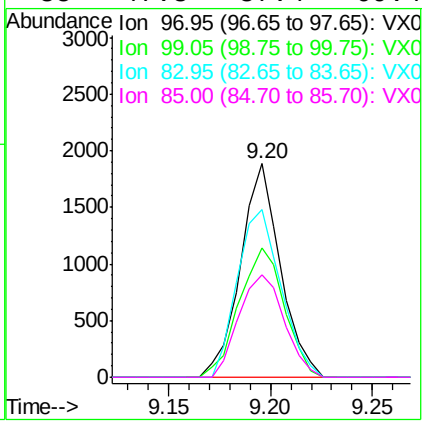


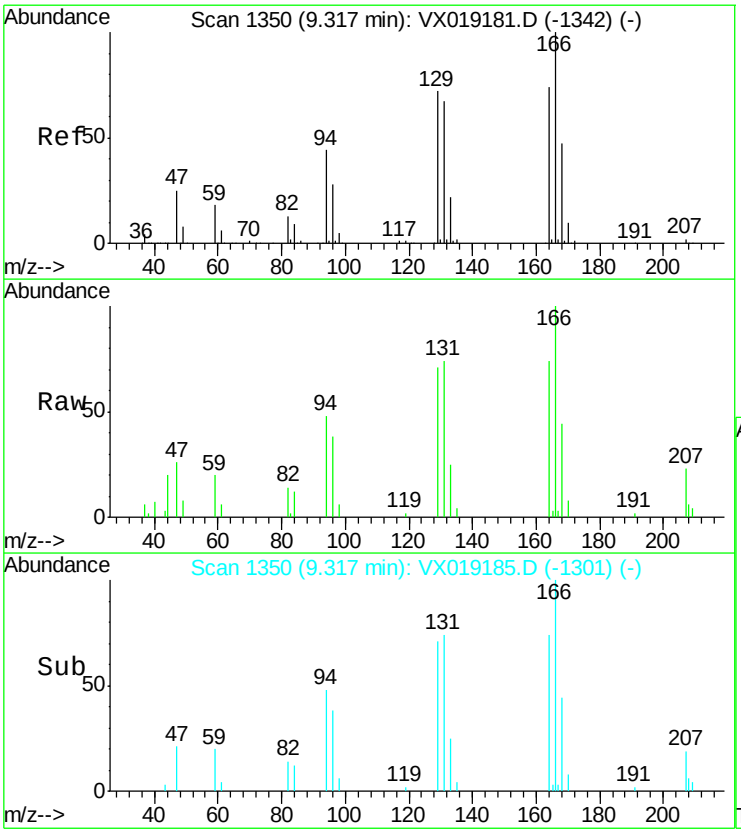

#45
1,1,2-Trichloroethane
Concen: 0.240 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 97 Resp: 2555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.3 | 44.8 | 83.2 |
| 83 | 78.3 | 59.1 | 109.7 |
| 85 | 47.8 | 37.4 | 69.4 |

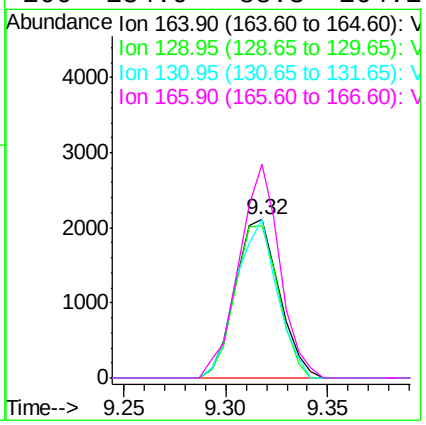


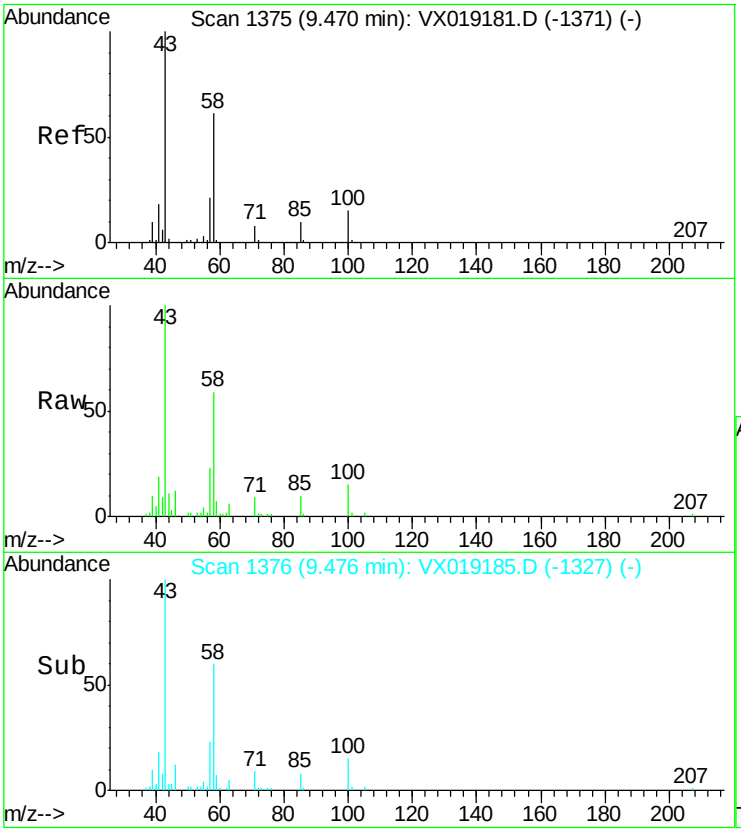




#47
Tetrachloroethene
Concen: 0.245 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:164 Resp: 3175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 96.3 | 64.2 | 119.2 |
| 131 | 100.2 | 63.8 | 118.4 |
| 166 | 134.9 | 88.3 | 164.1 |



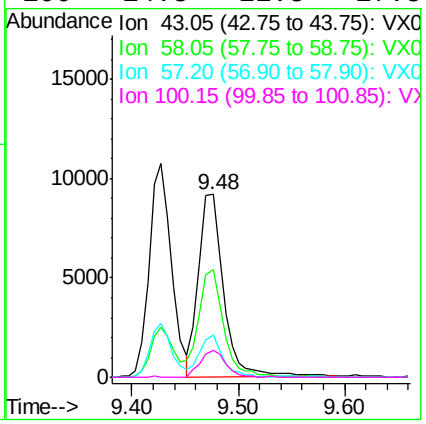


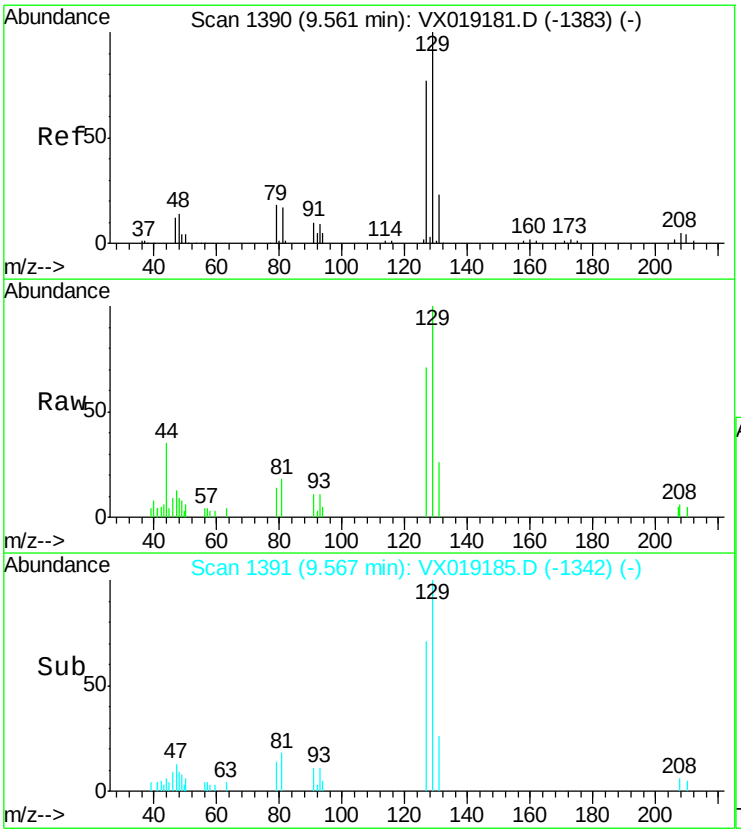

#48
2-Hexanone
Concen: 2.670 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 43 Resp: 14566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 60.7 | 49.3 | 73.9 |
| 57 | 21.9 | 17.2 | 25.8 |
| 100 | 14.8 | 11.8 | 17.8 |

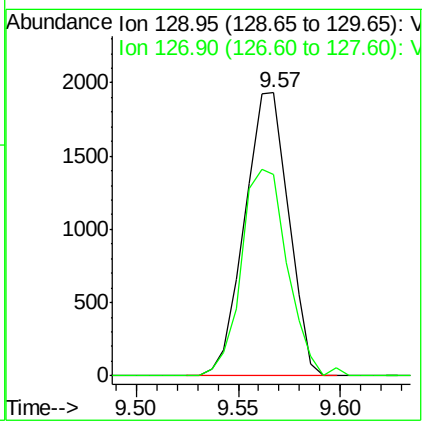


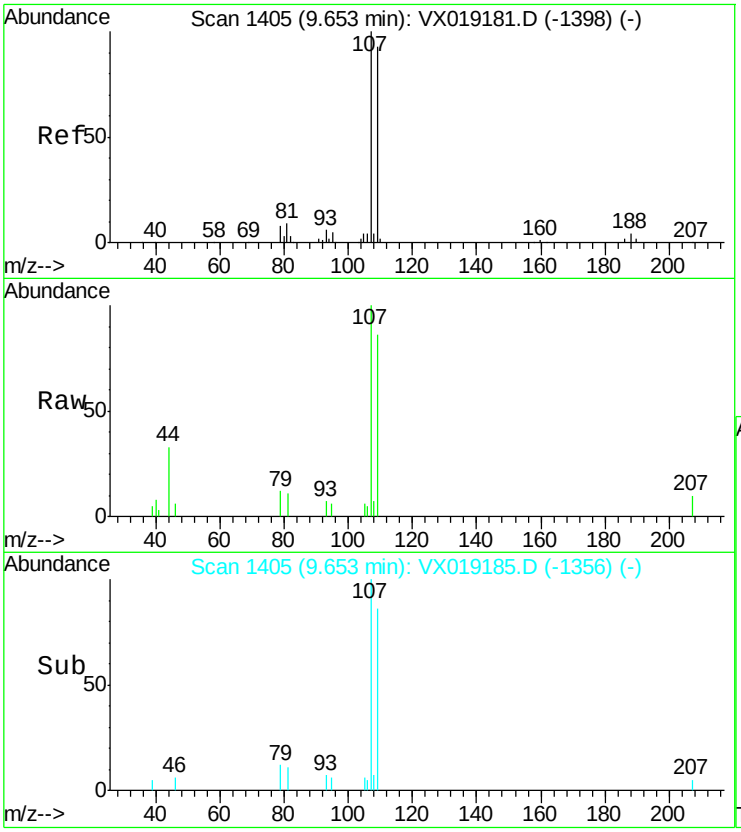




#49
Dibromochloromethane
Concen: 0.235 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:129 Resp: 2903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 71.2 | 53.6 | 99.6 |



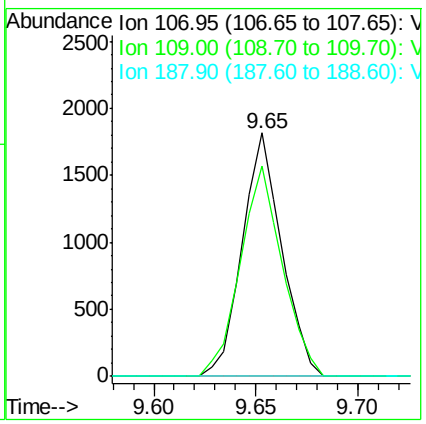


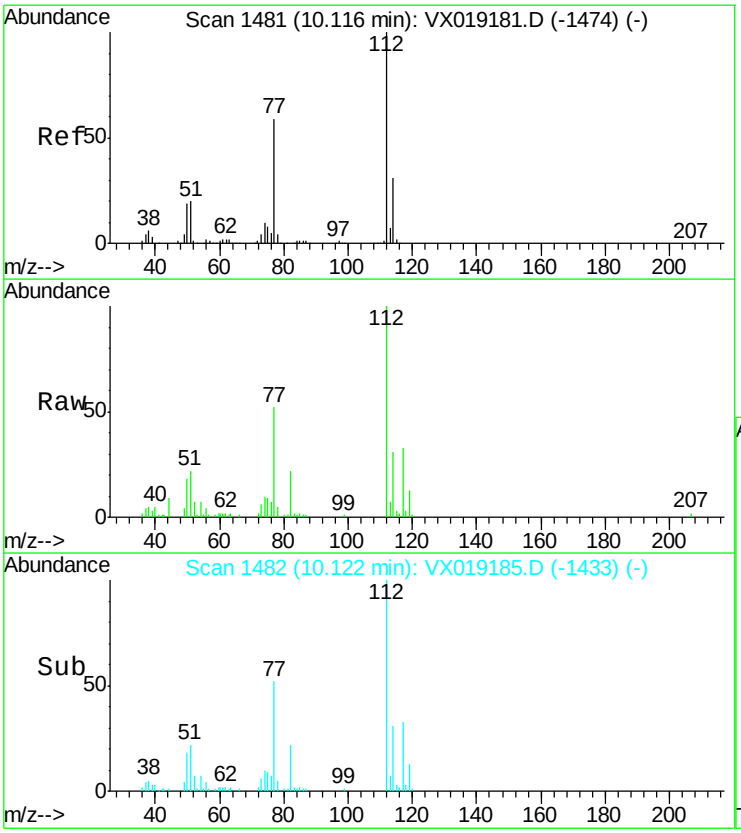

#50
1,2-Dibromoethane
Concen: 0.247 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion:107 Resp: 2442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 86.4 | 62.9 | 116.9 |
| 188 | 0.0 | 3.0 | 4.4# |

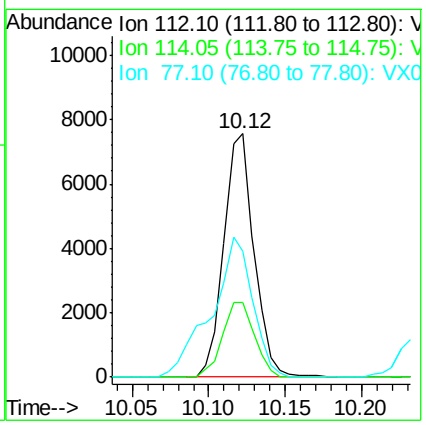


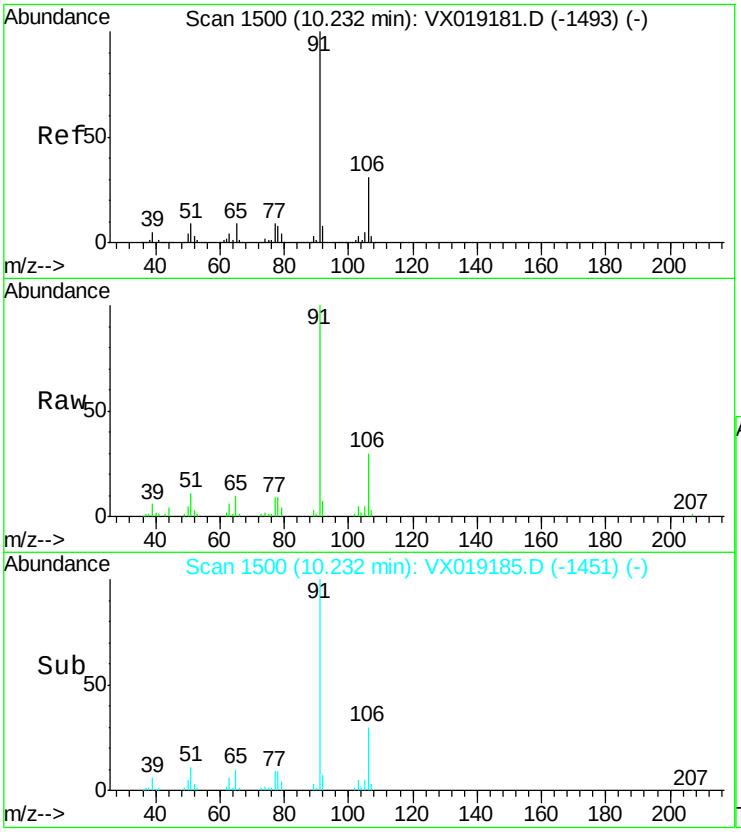




#51
Chlorobenzene
Concen: 0.244 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:112 Resp: 10355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.9 | 22.5 | 41.9 |
| 77 | 51.8 | 46.2 | 69.2 |



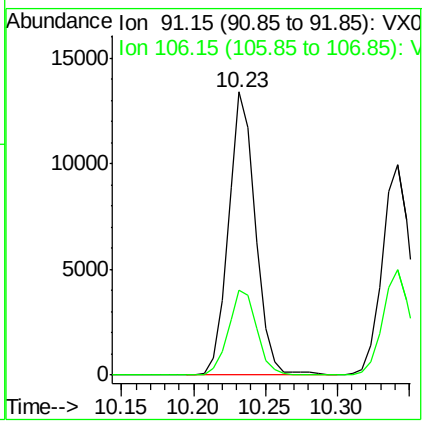


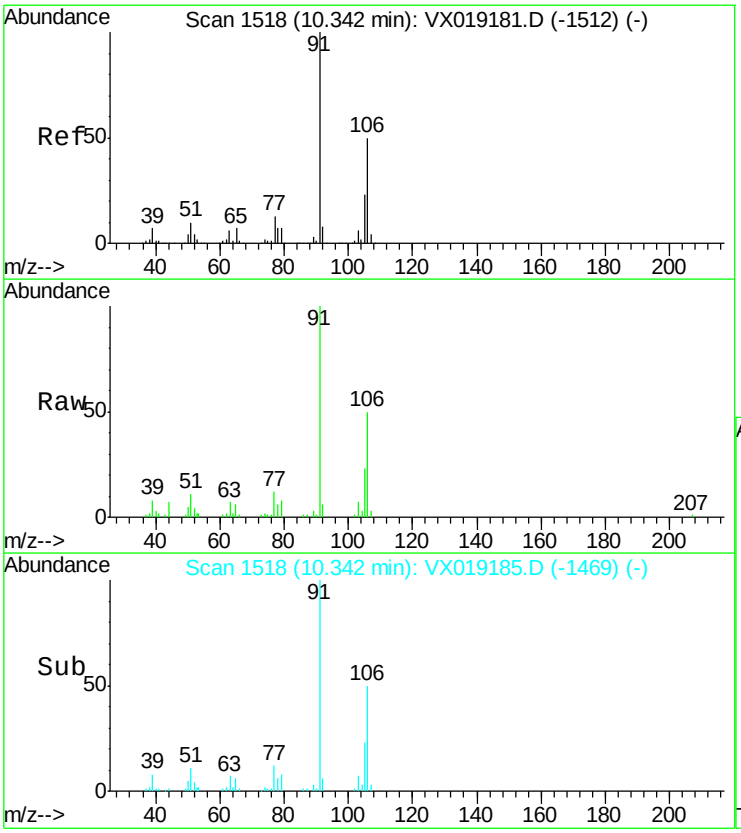

#52
Ethylbenzene
Concen: 0.235 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :** MSVOA_X
**ClientSampleId :** MDL-WATER-04

Tgt Ion: 91 Resp: 17624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 21.1 | 39.1 |

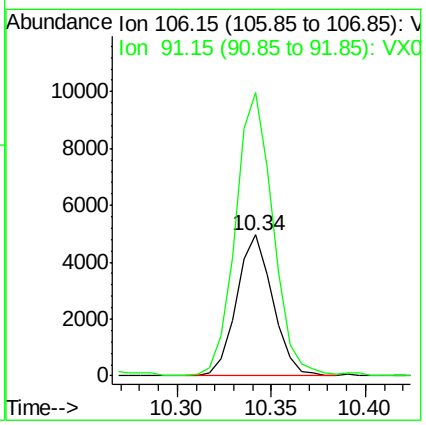


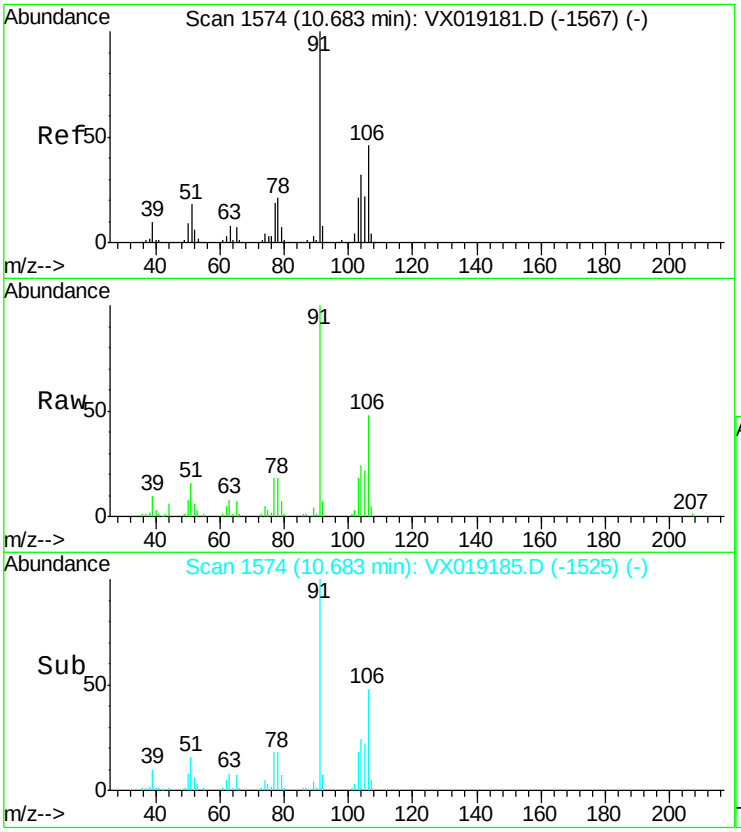




#53
m,p-xylene
Concen: 0.230 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:106 Resp: 6620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.4 | 141.5 | 262.7 |



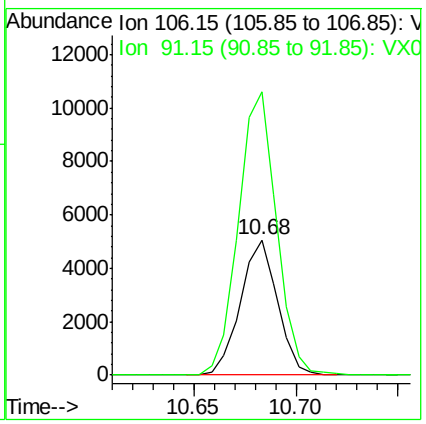


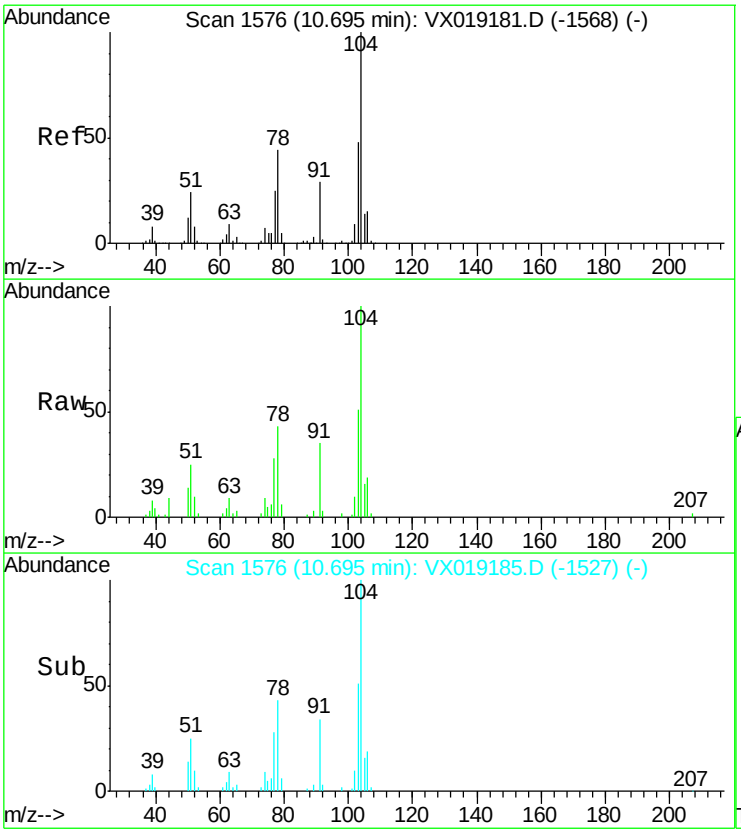

#54
o-xylene
Concen: 0.232 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion:106 Resp: 6400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.4 | 145.9 | 271.1 |

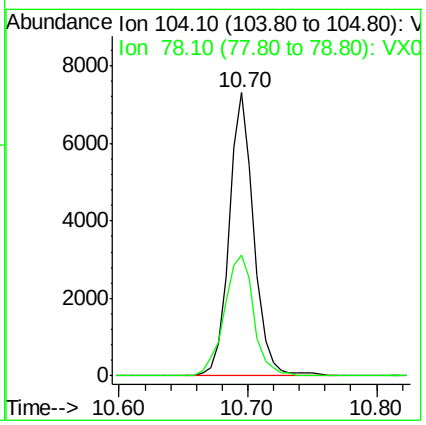


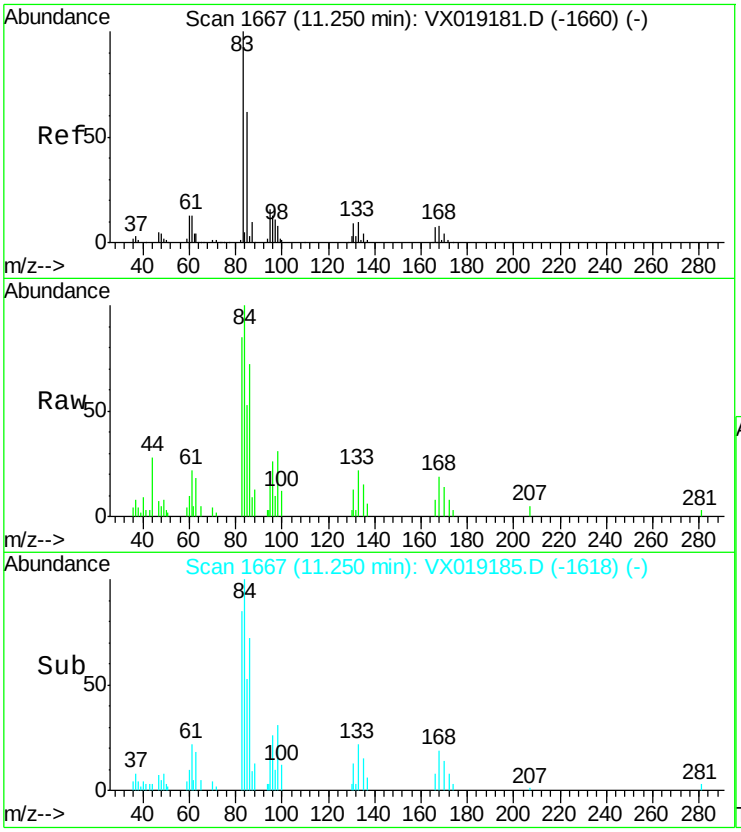




#55
Styrene
Concen: 0.217 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:104 Resp: 9771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.9 | 31.7 | 58.9 |



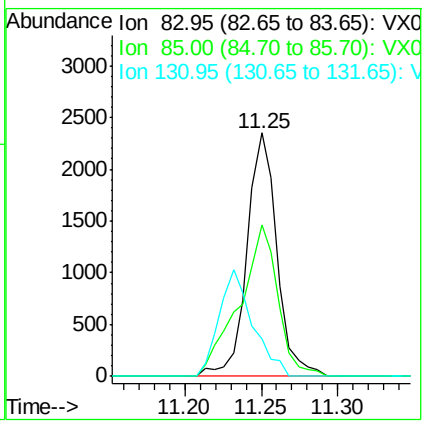


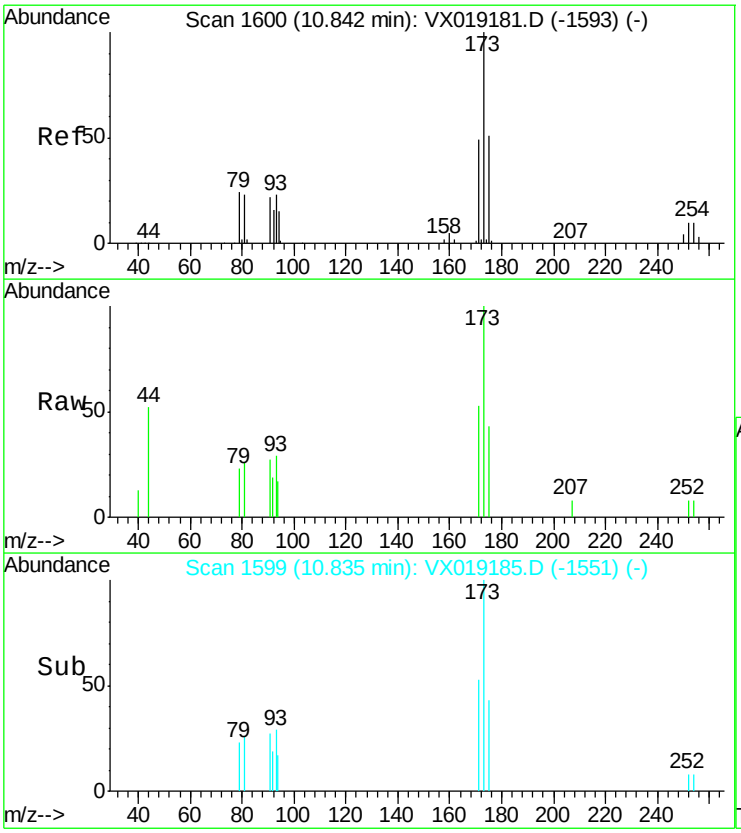

#57
1,1,2,2-Tetrachloroethane
Concen: 0.263 ug/L
RT: 11.25 min Scan# 1667
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion: 83 Resp: 3193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.2 | 46.0 | 85.4 |
| 131 | 15.4 | 7.7 | 11.5# |

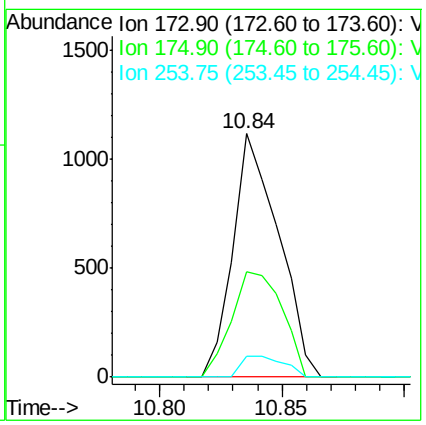


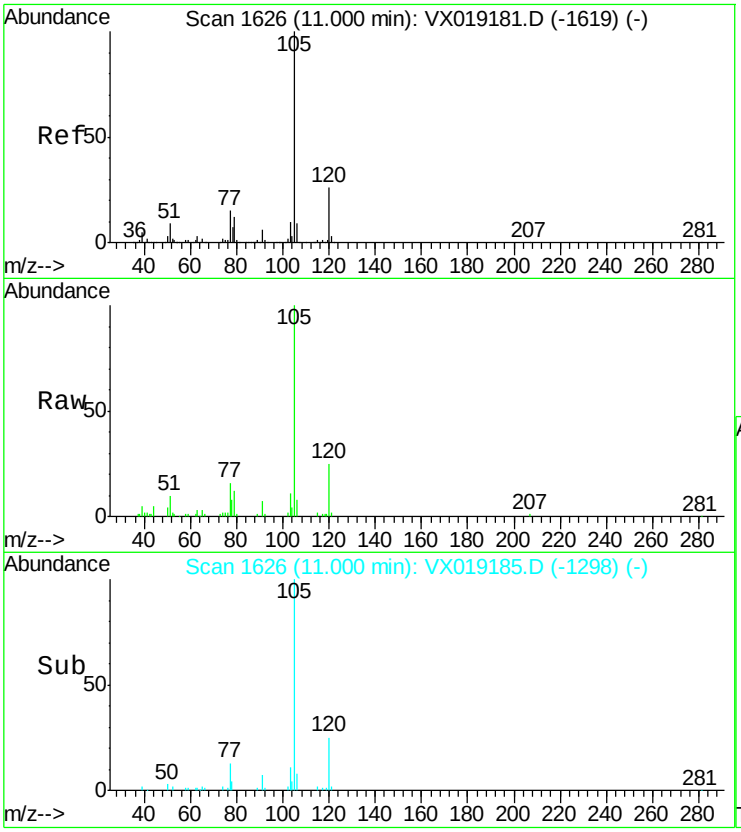




#59
Bromoform
Concen: 0.224 ug/L
RT: 10.84 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:173 Resp: 1450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 38.6 | 57.8 |
| 254 | 7.9 | 7.4 | 11.0 |



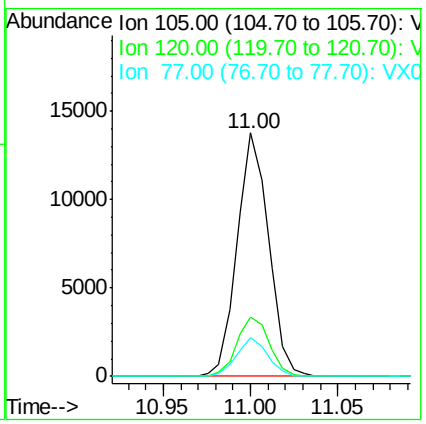


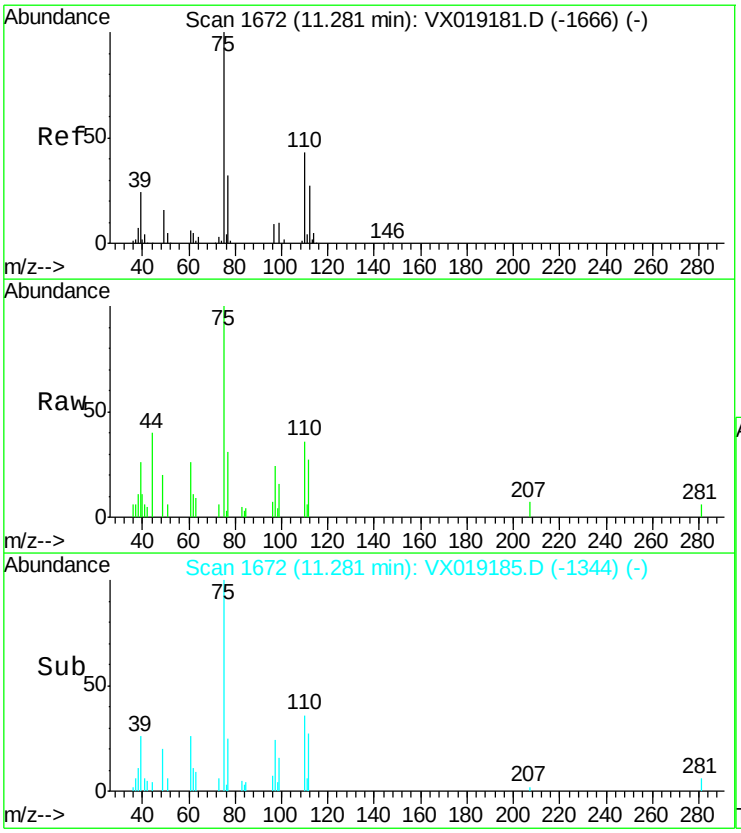

#60
Isopropylbenzene
Concen: 0.239 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :** MSVOA_X
**ClientSampleId :** MDL-WATER-04

Tgt Ion:105 Resp: 17260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.9 | 21.4 | 32.2 |
| 77 | 15.6 | 12.9 | 19.3 |

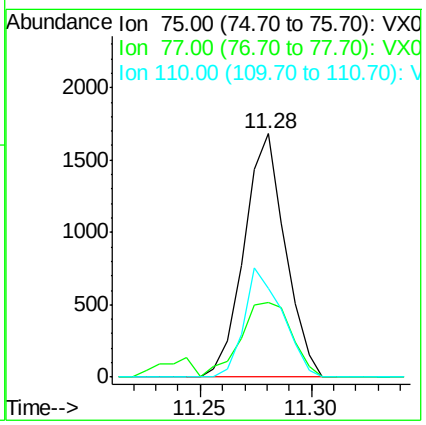


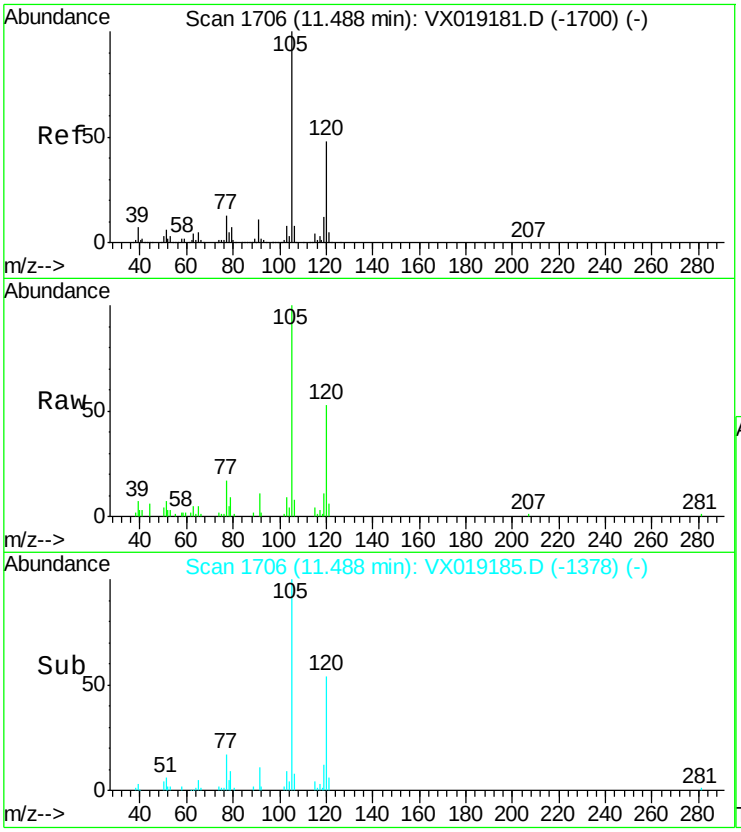




#61
1,2,3-Trichloropropane
Concen: 0.245 ug/L
RT: 11.28 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 75 Resp: 2166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.3 | 25.6 | 38.4 |
| 110 | 41.8 | 32.4 | 48.6 |



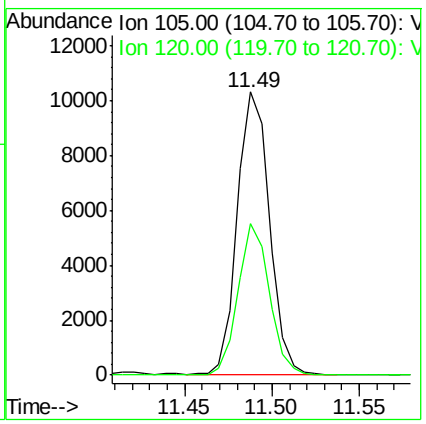


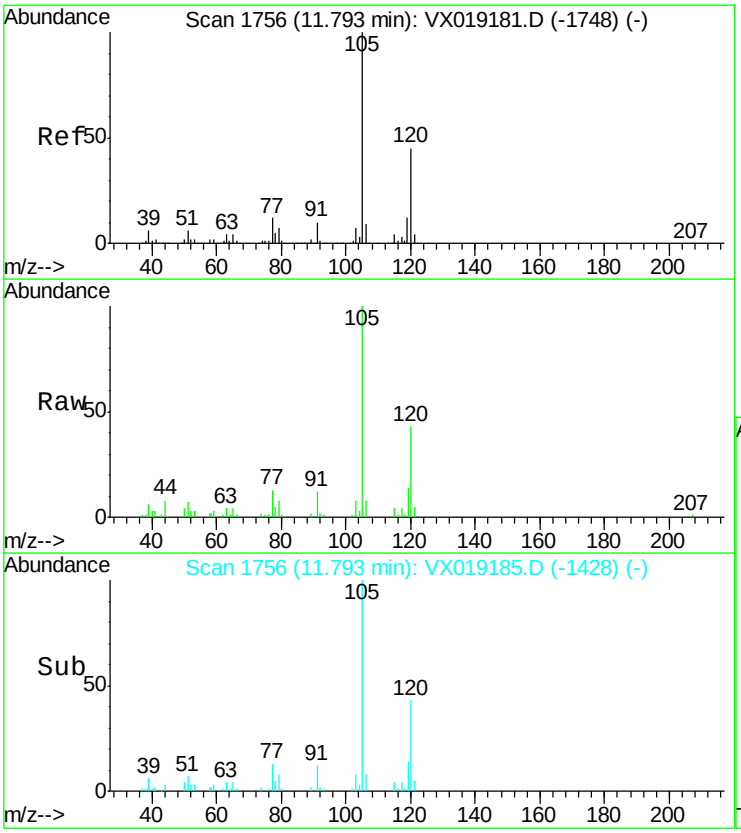

#62
1,3,5-Trimethylbenzene
Concen: 0.219 ug/L
RT: 11.49 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion:105 Resp: 13245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 51.8 | 38.9 | 58.3 |

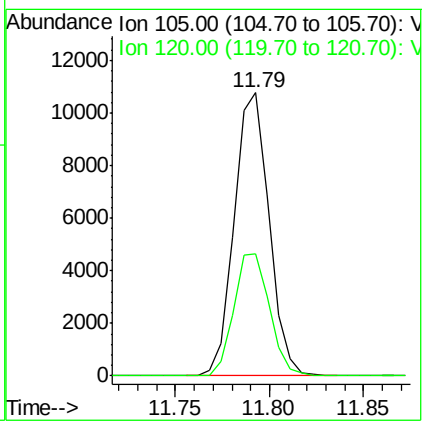


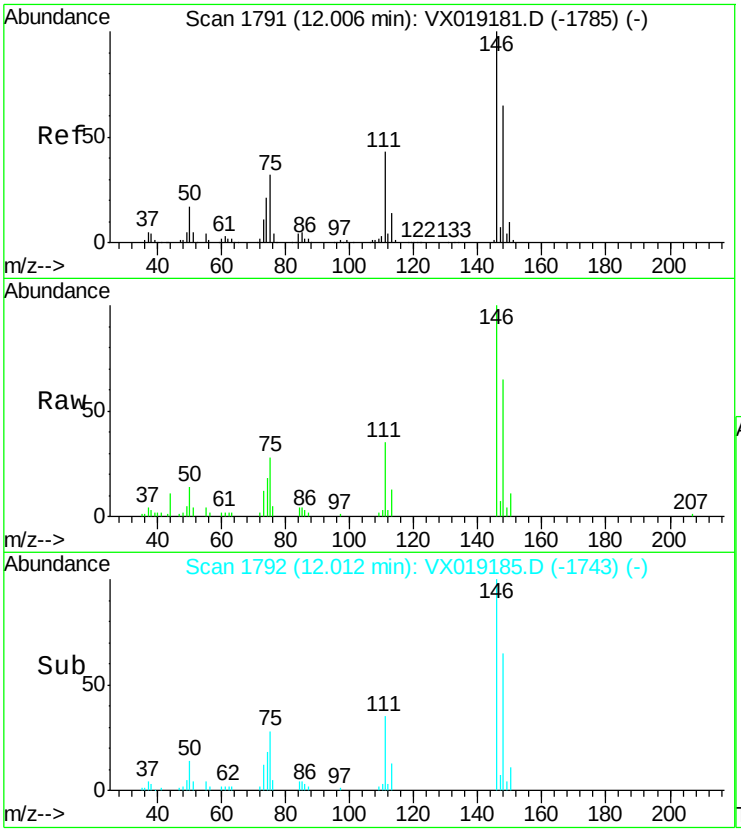




#63
1,2,4-Trimethylbenzene
Concen: 0.224 ug/L
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:105 Resp: 13764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 36.1 | 54.1 |



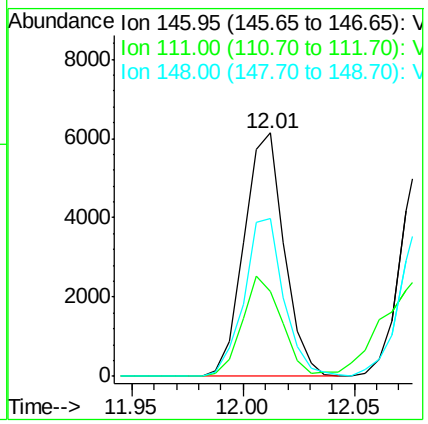


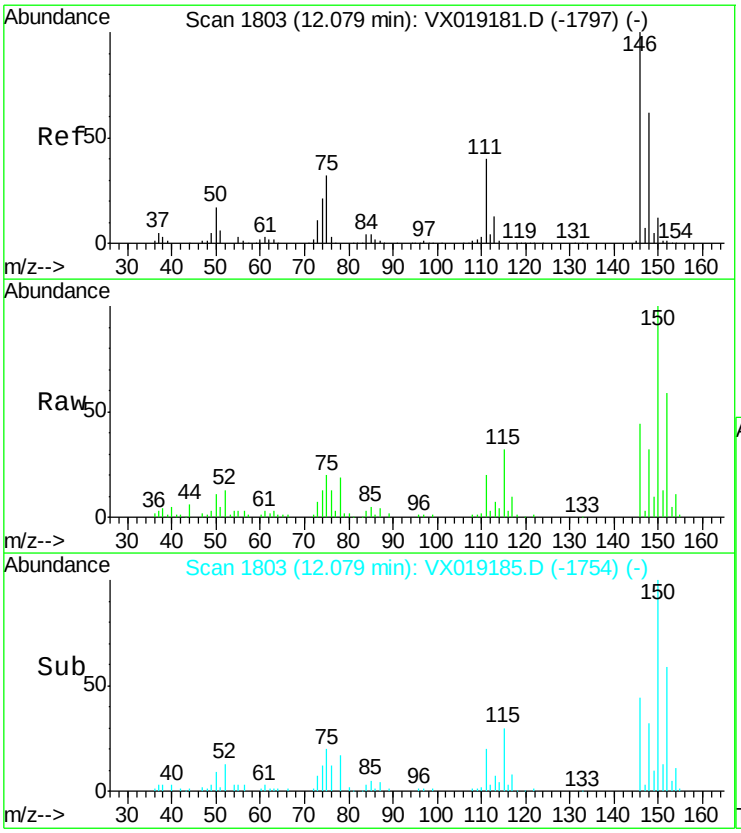

#64
1,3-Dichlorobenzene
Concen: 0.241 ug/L
RT: 12.01 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :** MSVOA_X
**ClientSampleId :** MDL-WATER-04

Tgt Ion:146 Resp: 7738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.0 | 27.3 | 50.7 |
| 148 | 65.1 | 45.4 | 84.2 |

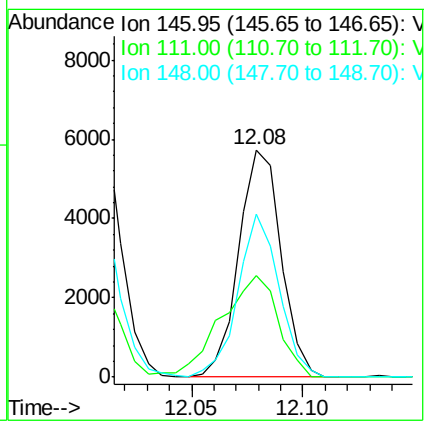


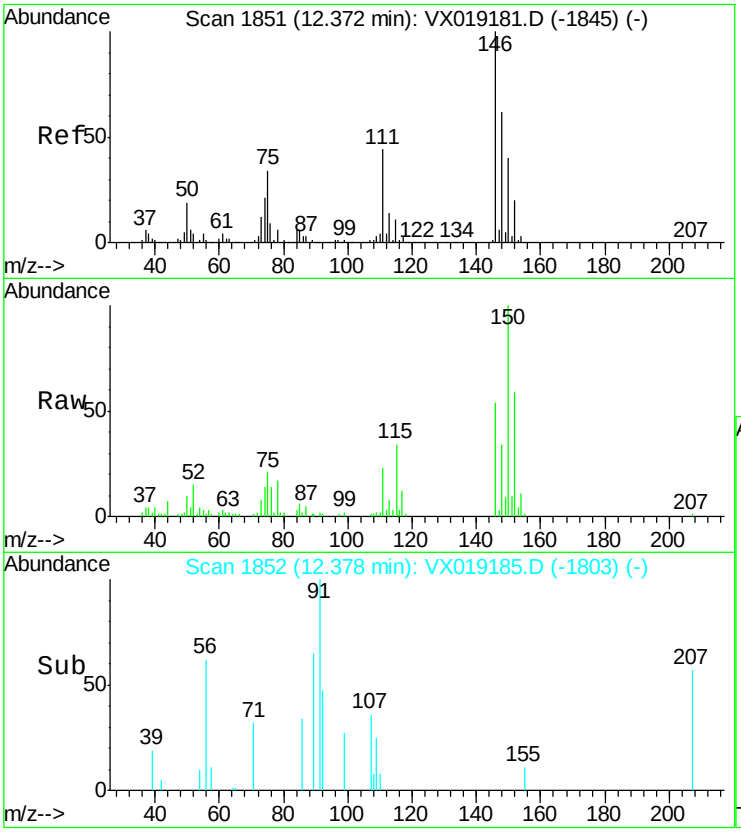




#65
1,4-Dichlorobenzene
Concen: 0.238 ug/L
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:146 Resp: 7625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.7 | 28.1 | 52.3 |
| 148 | 71.9 | 44.5 | 82.7 |



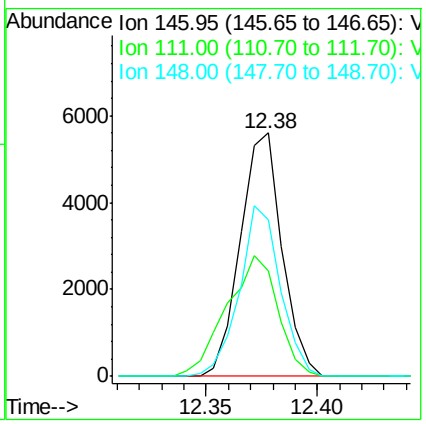


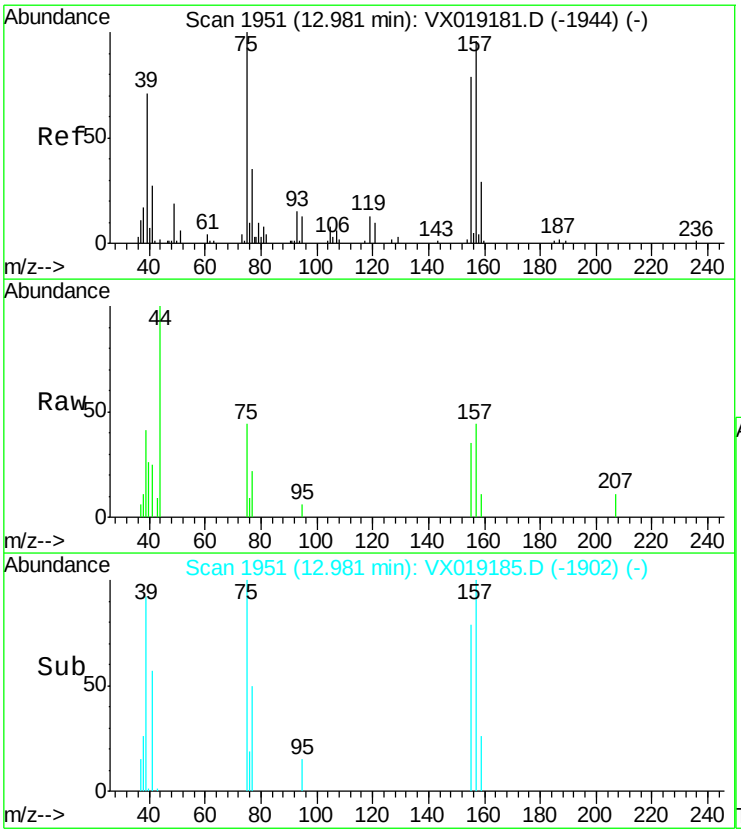

#67
1,2-Dichlorobenzene
Concen: 0.248 ug/L
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion:146 Resp: 7323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.2 | 32.6 | 49.0 |
| 148 | 64.2 | 49.4 | 74.2 |

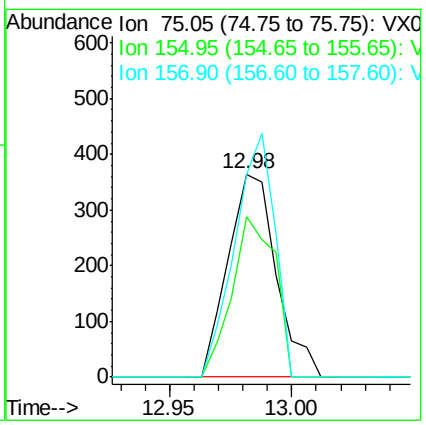


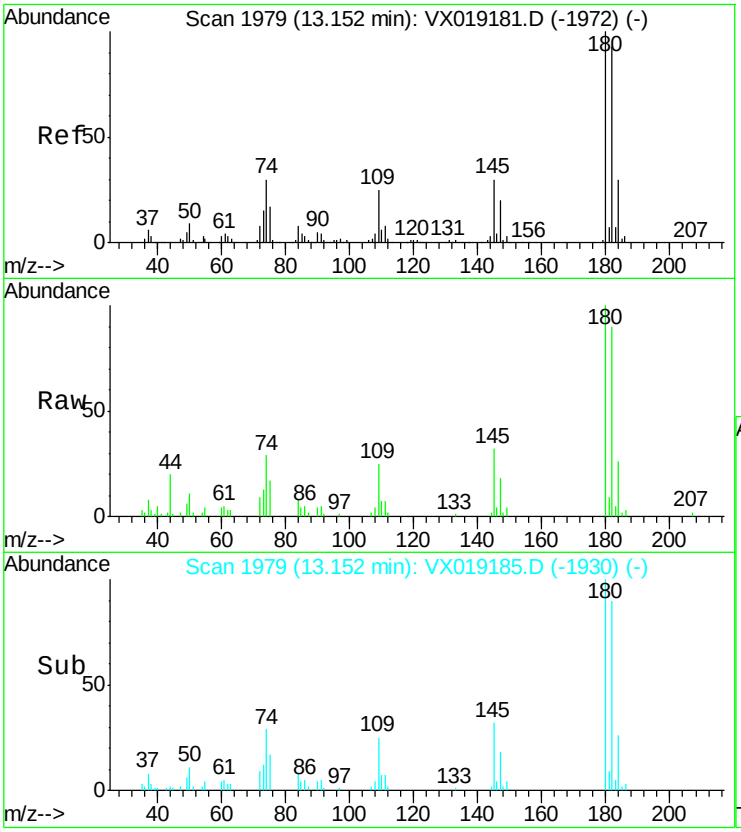




#68
1,2-Dibromo-3-chloropropane
Concen: 0.248 ug/L
RT: 12.98 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion: 75 Resp: 502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.8 | 62.9 | 94.3 |
| 157 | 100.3 | 77.5 | 116.3 |



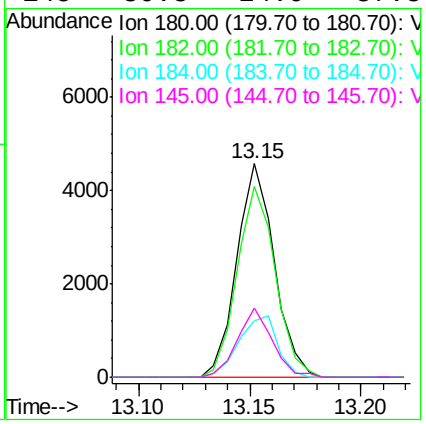


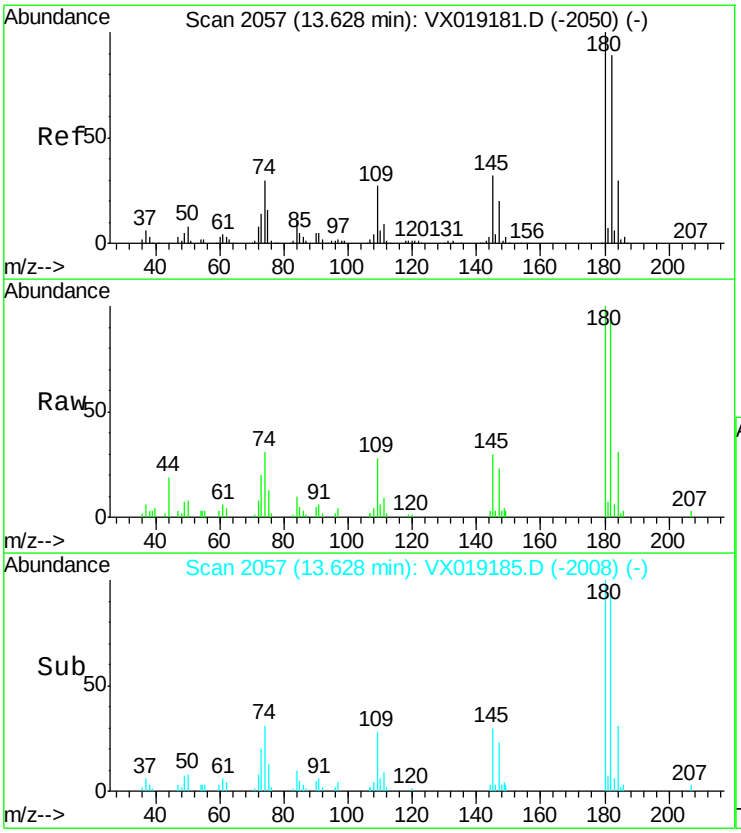

#69
1,3,5-Trichlorobenzene
Concen: 0.228 ug/L
RT: 13.15 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion:180 Resp: 5372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.1 | 74.1 | 111.1 |
| 184 | 29.8 | 24.4 | 36.6 |
| 145 | 30.3 | 24.9 | 37.3 |

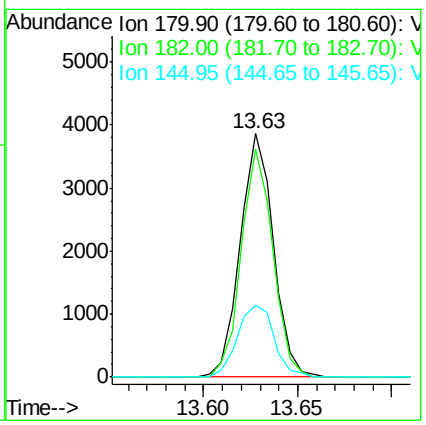


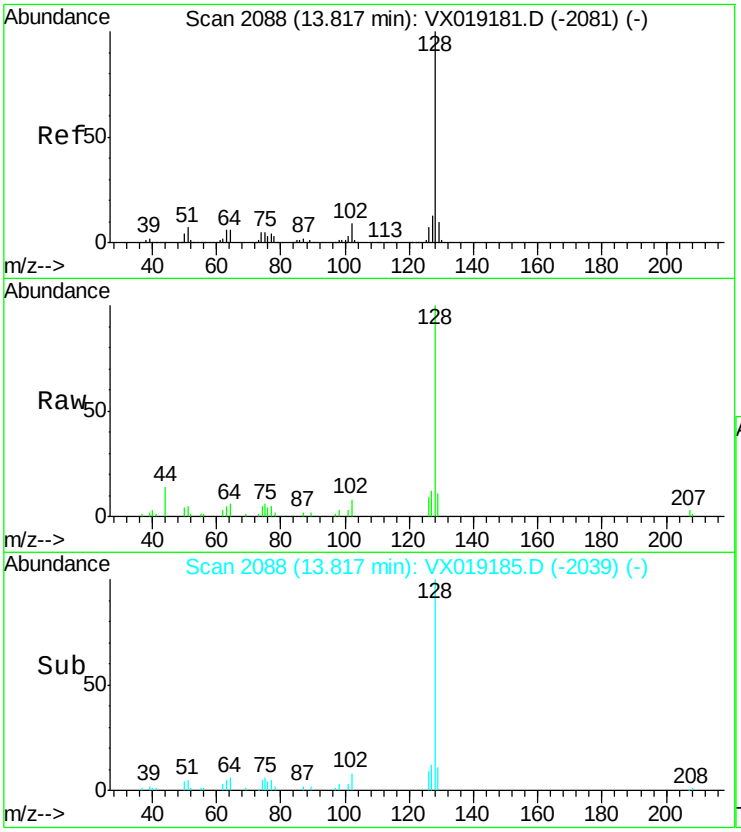




#70
1,2,4-trichlorobenzene
Concen: 0.229 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:180 Resp: 4707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 89.3 | 77.8 | 116.6 |
| 145 | 32.8 | 25.0 | 37.4 |



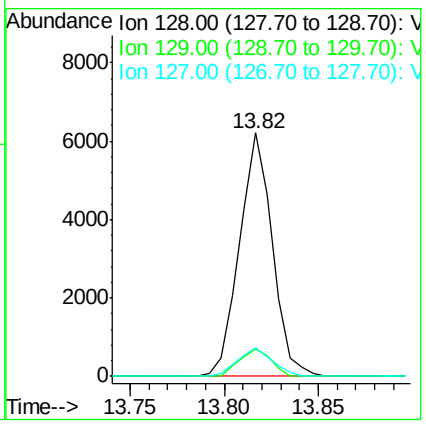


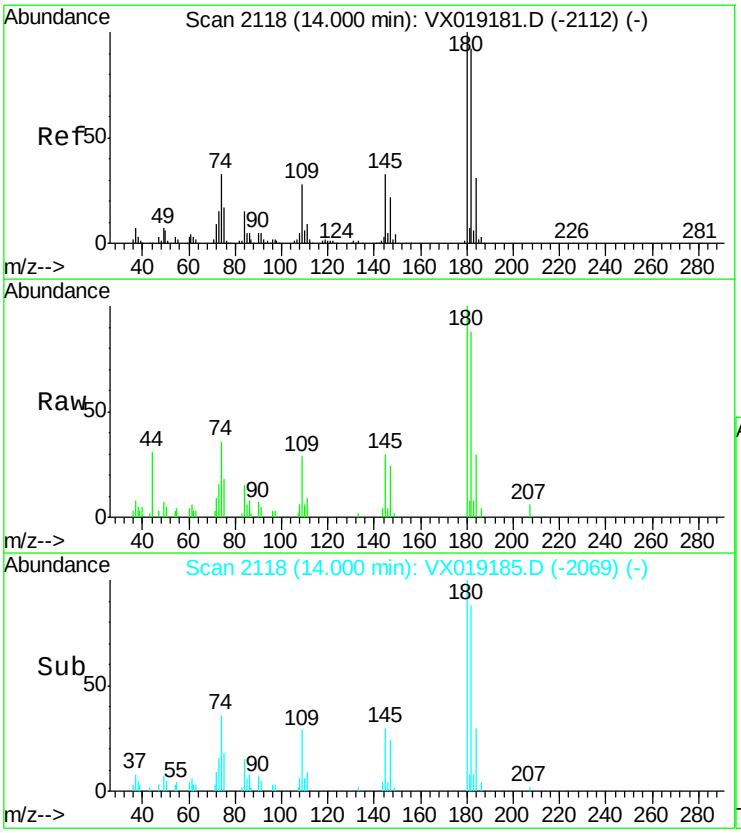

#71
Naphthalene
Concen: 0.203 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
MDL-WATER-04

Tgt Ion:128 Resp: 7500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.6 | 13.0 |
| 127 | 12.5 | 10.1 | 15.1 |




#72
1,2,3-Trichlorobenzene
Concen: 0.225 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019185.D
Acq: 29 Oct 2020 12:15

Tgt Ion:180 Resp: 4085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.2 | 77.0 | 115.4 |
| 145 | 32.0 | 27.8 | 41.6 |