Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021722\
Data File : VV024723.D
Acq On : 17 Feb 2022 15:40
Operator : SY/MD
Sample : N1331-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Quant Time: Feb 18 07:33:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 18 07:32:51 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.619 | 114 | 172375 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.853 | 117 | 159439 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.246 | 152 | 71454 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.307 | 65 | 70718 | 4.837 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 96.800% | | | |
| 7) Chloroethane-d5 | 1.571 | 69 | 58432 | 4.872 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 97.400% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.111 | 63 | 97702 | 3.647 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 73.000% | | | |
| 20) 2-Butanone-d5 | 3.899 | 46 | 103749 | 49.679 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 99.360% | | | |
| 24) Chloroform-d | 4.352 | 84 | 106424 | 4.665 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.200% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.034 | 65 | 50905 | 5.006 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 100.200% | | | |
| 32) Benzene-d6 | 5.053 | 84 | 228129 | 4.960 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.069 | 67 | 69302 | 5.120 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 102.400% | | | |
| 41) Toluene-d8 | 7.317 | 98 | 201235 | 4.815 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.200% | | | |
| 43) trans-1,3-Dichloroprop... | 7.625 | 79 | 21088 | 4.677 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 93.600% | | | |
| 46) 2-Hexanone-d5 | 8.088 | 63 | 83922 | 47.297 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 94.600% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84 | 38773 | 4.753 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 95.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.622 | 152 | 61315 | 4.959 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 99.200% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.130 | 85 | 3452 | 0.205 | ug/L | 100 |
| 3) Chloromethane | 1.243 | 50 | 3740 | 0.223 | ug/L | 98 |
| 5) Vinyl chloride | 1.310 | 62 | 4366 | 0.237 | ug/L # | 66 |
| 6) Bromomethane | 1.523 | 94 | 2616 | 0.238 | ug/L | 92 |
| 8) Chloroethane | 1.587 | 64 | 2793 | 0.246 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.757 | 101 | 5401 | 0.223 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117 | 101 | 3936 | 0.280 | ug/L # | 84 |
| 12) 1,1-Dichloroethene | 2.117 | 96 | 3754 | 0.280 | ug/L # | 1 |
| 14) Carbon disulfide | 2.297 | 76 | 8631 | 0.229 | ug/L | 96 |
| 16) Methylene chloride | 2.510 | 84 | 6781 | 0.513 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 2.773 | 73 | 5655 | 0.214 | ug/L # | 96 |
| 18) trans-1,2-Dichloroethene | 2.764 | 96 | 2680 | 0.204 | ug/L | 87 |
| 19) 1,1-Dichloroethane | 3.198 | 63 | 5222 | 0.218 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.915 | 96 | 3108 | 0.224 | ug/L | 83 |
| 23) Bromochloromethane | 4.268 | 128 | 1118 | 0.209 | ug/L | 88 |
| 25) Chloroform | 4.378 | 83 | 8947 | 0.357 | ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.143 | 62 | 2967 | 0.222 | ug/L # | 73 |
| 29) 1,1,1-Trichloroethane | 4.612 | 97 | 4619 | 0.216 | ug/L | 97 |
| 30) Cyclohexane | 4.674 | 56 | 4530 | 0.209 | ug/L | 91 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021722\
Data File : VV024723.D
Acq On : 17 Feb 2022 15:40
Operator : SY/MD
Sample : N1331-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Quant Time: Feb 18 07:33:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 18 07:32:51 2022
Response via : Initial Calibration

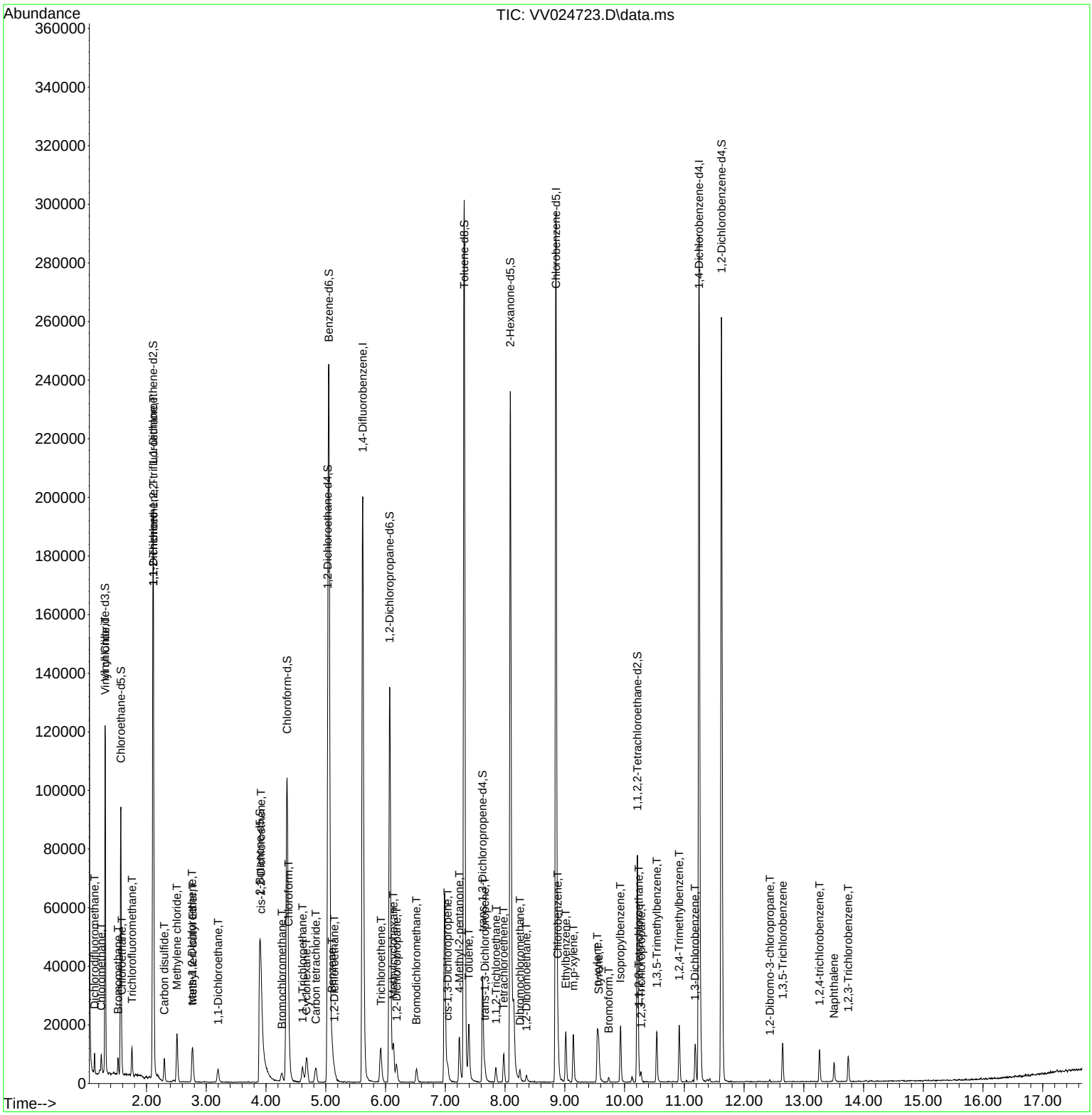
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 31) | Carbon tetrachloride | 4.834 | 117 | 3695 | 0.205 | ug/L | | 93 |
| 33) | Benzene | 5.104 | 78 | 11011 | 0.204 | ug/L | | 100 |
| 34) | Trichloroethene | 5.924 | 95 | 3300 | 0.231 | ug/L | | 95 |
| 35) | Methylcyclohexane | 6.130 | 83 | 5061 | 0.219 | ug/L | | 98 |
| 37) | 1,2-Dichloropropane | 6.188 | 63 | 2758 | 0.216 | ug/L | # | 86 |
| 38) | Bromodichloromethane | 6.516 | 83 | 3585 | 0.223 | ug/L | # | 98 |
| 39) | cis-1,3-Dichloropropene | 7.040 | 75 | 3904 | 0.221 | ug/L | | 97 |
| 40) | 4-Methyl-2-pentanone | 7.233 | 43 | 11232 | 1.851 | ug/L | # | 89 |
| 42) | Toluene | 7.394 | 91 | 14917 | 0.260 | ug/L | | 95 |
| 44) | trans-1,3-Dichloropropene | 7.664 | 75 | 3243 | 0.229 | ug/L | | 95 |
| 45) | 1,1,2-Trichloroethane | 7.850 | 97 | 1791 | 0.216 | ug/L | | 91 |
| 47) | Tetrachloroethene | 7.979 | 164 | 2047 | 0.210 | ug/L | | 82 |
| 49) | Dibromochloromethane | 8.249 | 129 | 1863 | 0.202 | ug/L | | 84 |
| 50) | 1,2-Dibromoethane | 8.358 | 107 | 1792 | 0.237 | ug/L | # | 83 |
| 51) | Chlorobenzene | 8.882 | 112 | 8005 | 0.223 | ug/L | | 92 |
| 52) | Ethylbenzene | 9.014 | 91 | 13561 | 0.216 | ug/L | | 97 |
| 53) | m,p-xylene | 9.143 | 106 | 4742 | 0.200 | ug/L | | 94 |
| 54) | o-xylene | 9.545 | 106 | 4857 | 0.210 | ug/L | | 82 |
| 55) | Styrene | 9.567 | 104 | 7084 | 0.188 | ug/L | | 92 |
| 57) | 1,1,2,2-Tetrachloroethane | 10.239 | 83 | 1932 | 0.220 | ug/L | # | 77 |
| 59) | Bromoform | 9.734 | 173 | 731 | 0.202 | ug/L | # | 91 |
| 60) | Isopropylbenzene | 9.931 | 105 | 13284 | 0.225 | ug/L | | 97 |
| 61) | 1,2,3-Trichloropropane | 10.278 | 75 | 1381 | 0.213 | ug/L | | 96 |
| 62) | 1,3,5-Trimethylbenzene | 10.538 | 105 | 9779 | 0.198 | ug/L | | 97 |
| 63) | 1,2,4-Trimethylbenzene | 10.914 | 105 | 10129 | 0.207 | ug/L | | 100 |
| 64) | 1,3-Dichlorobenzene | 11.181 | 146 | 5400 | 0.217 | ug/L | | 97 |
| 68) | 1,2-Dibromo-3-chloropr... | 12.432 | 75 | 144 | 0.130 | ug/L | | 89 |
| 69) | 1,3,5-Trichlorobenzene | 12.648 | 180 | 3960 | 0.224 | ug/L | | 99 |
| 70) | 1,2,4-trichlorobenzene | 13.265 | 180 | 3215 | 0.231 | ug/L | | 93 |
| 71) | Naphthalene | 13.506 | 128 | 5566 | 0.235 | ug/L | | 99 |
| 72) | 1,2,3-Trichlorobenzene | 13.744 | 180 | 2712 | 0.233 | ug/L | | 97 |

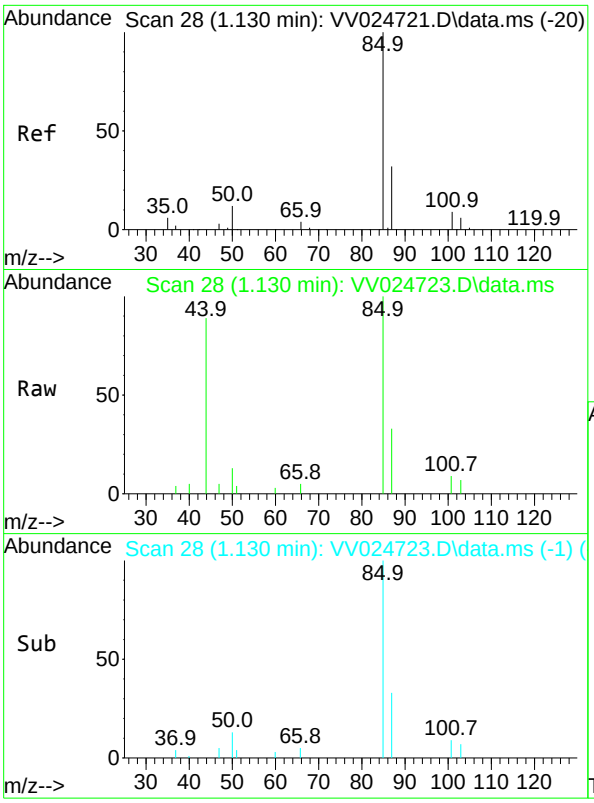
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021722\
Data File : VV024723.D
Acq On : 17 Feb 2022 15:40
Operator : SY/MD
Sample : N1331-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Quant Time: Feb 18 07:33:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 18 07:32:51 2022
Response via : Initial Calibration



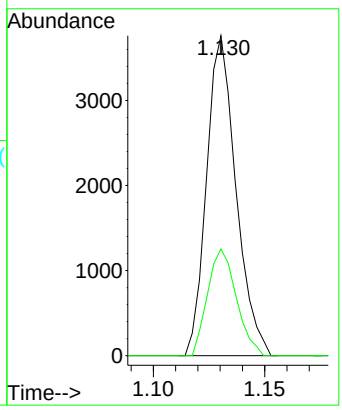


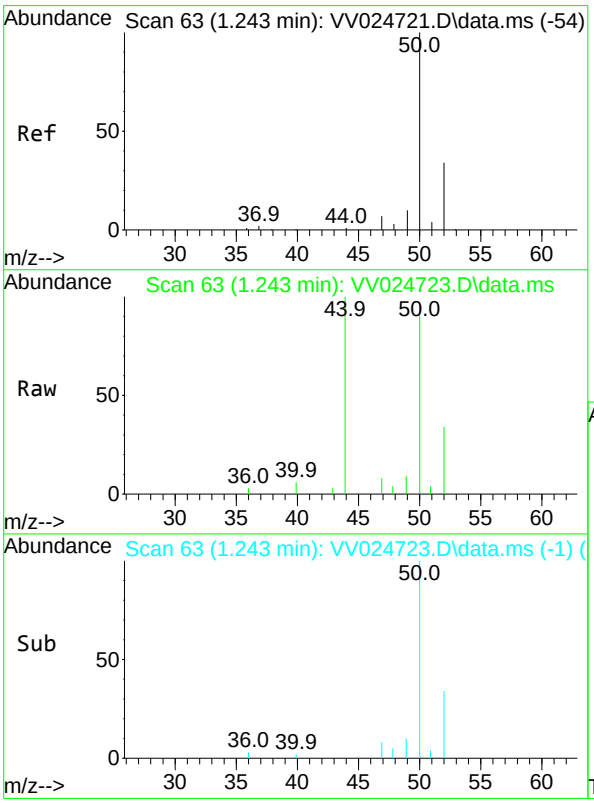

#2
Dichlorodifluoromethane
Concen: 0.205 ug/L
RT: 1.130 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 85 Resp: 3452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 25.9 | 38.9 |

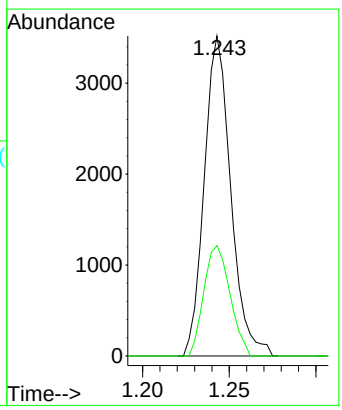


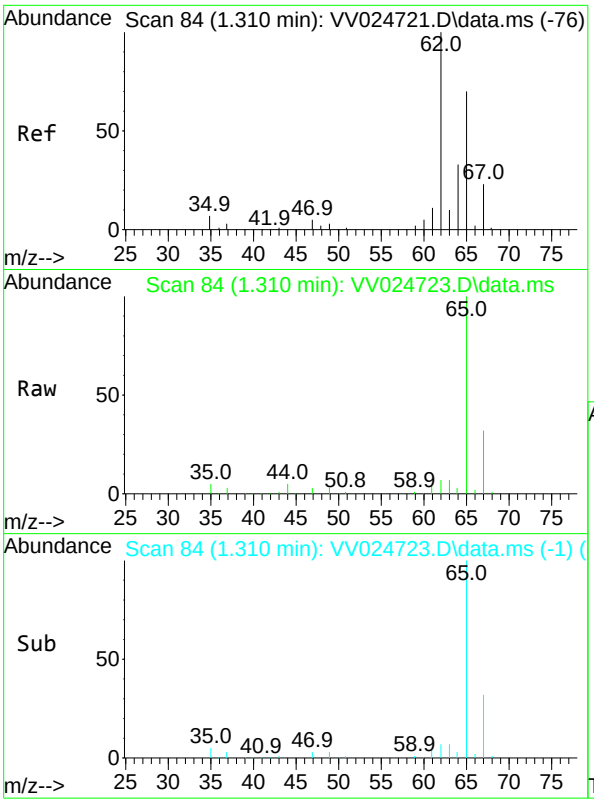




#3
Chloromethane
Concen: 0.223 ug/L
RT: 1.243 min Scan# 63
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 50 Resp: 3740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.5 | 23.3 | 43.3 |



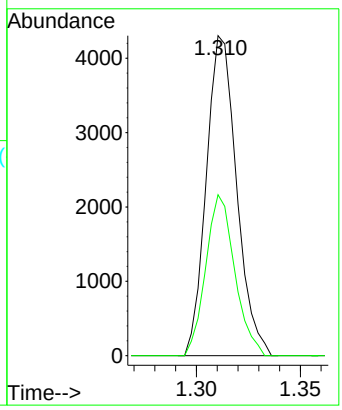


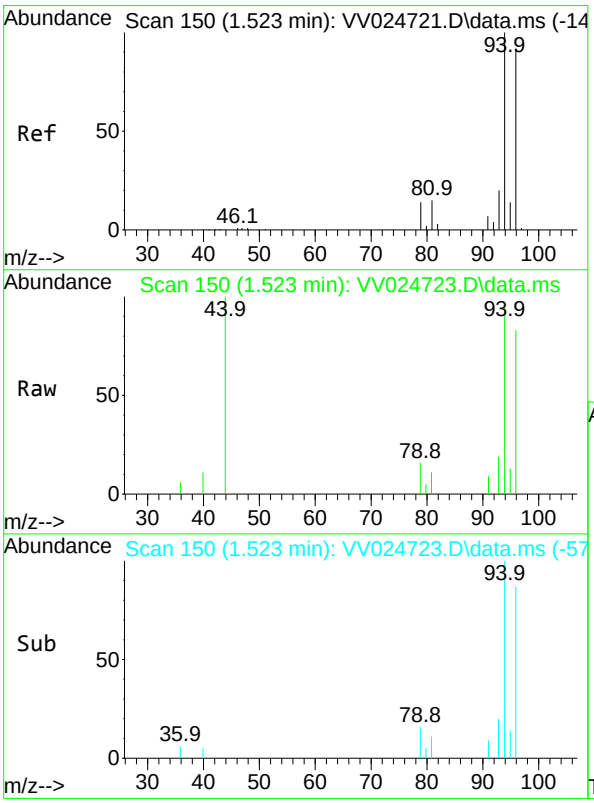

#5
Vinyl chloride
Concen: 0.237 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 62 Resp: 4366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 50.3 | 22.2 | 41.2# |

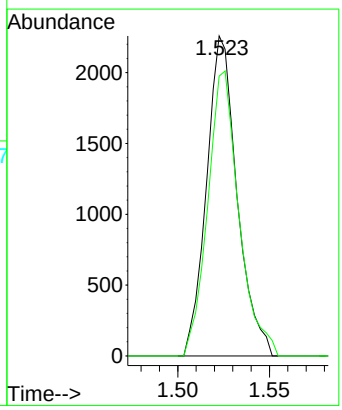


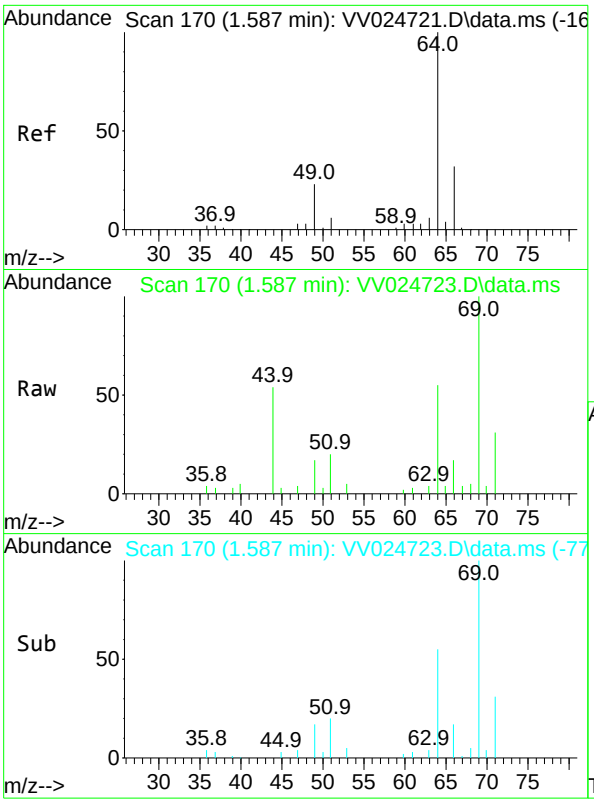




#6
Bromomethane
Concen: 0.238 ug/L
RT: 1.523 min Scan# 150
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 94 Resp: 2616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 87.5 | 66.5 | 123.5 |



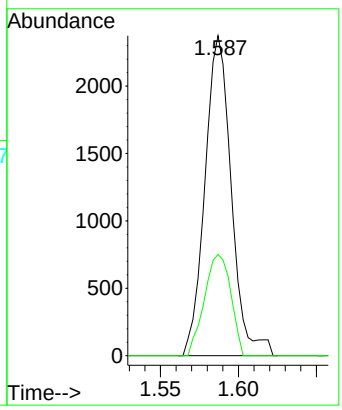


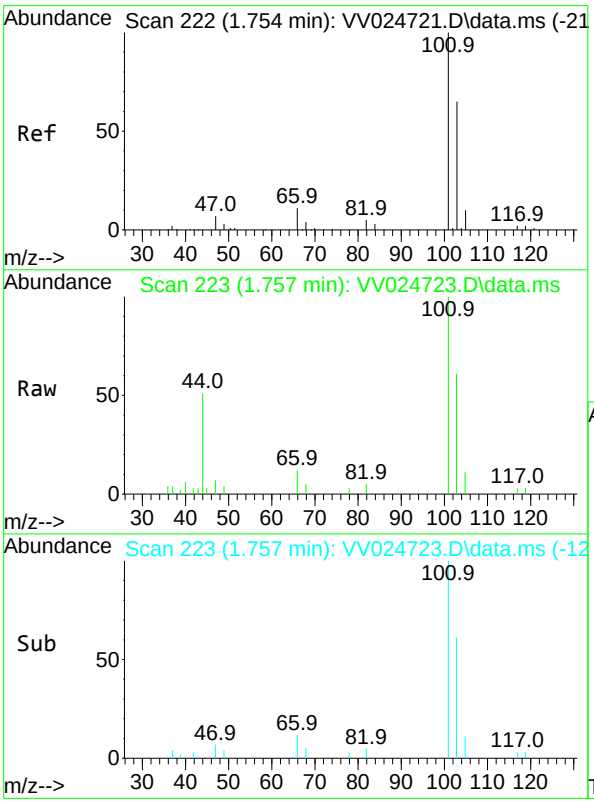

#8
Chloroethane
Concen: 0.246 ug/L
RT: 1.587 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 64 Resp: 2793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 22.5 | 41.9 |

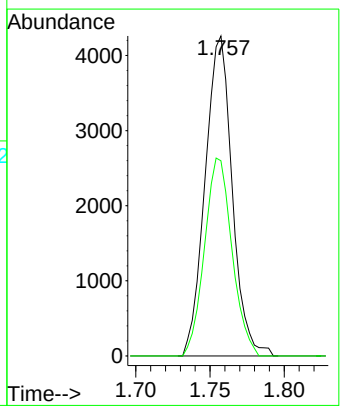


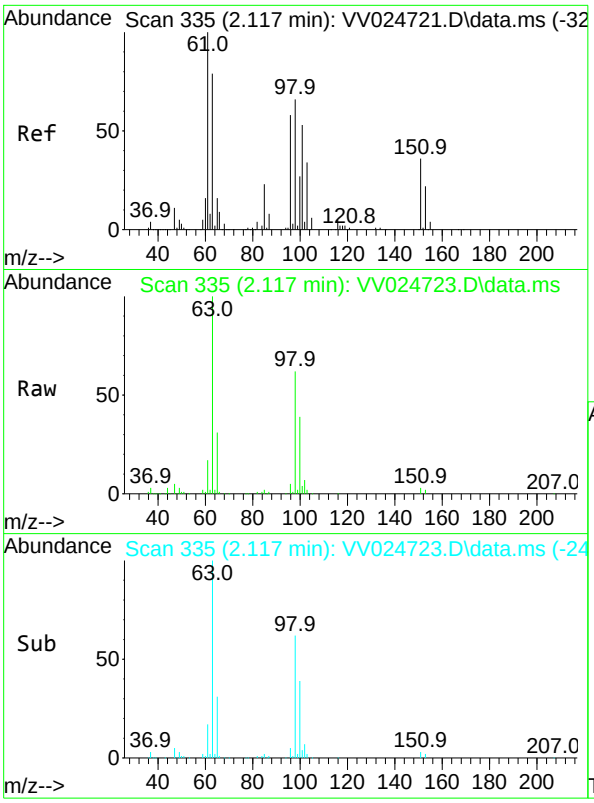




#9
Trichlorofluoromethane
Concen: 0.223 ug/L
RT: 1.757 min Scan# 223
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:101 Resp: 5401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.7 | 50.7 | 76.1 |



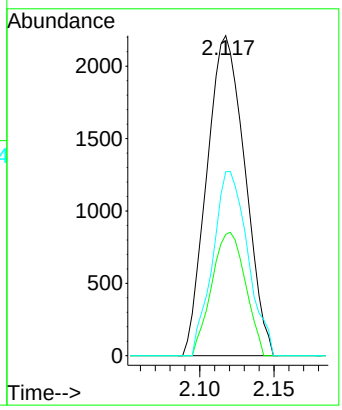


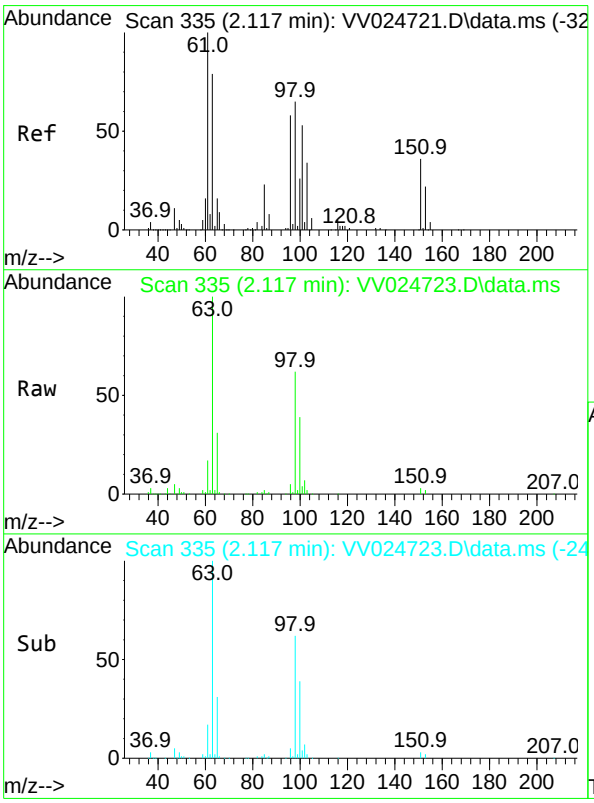

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.280 ug/L
RT: 2.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:101 Resp: 3936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 34.1 | 34.7 | 52.1# |
| 151 | 53.0 | 53.5 | 80.3# |

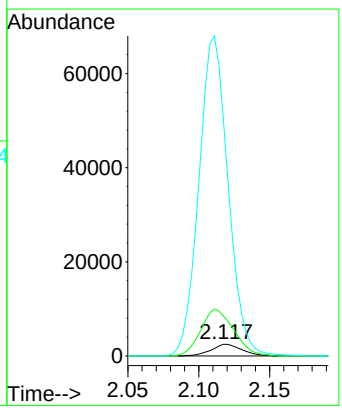


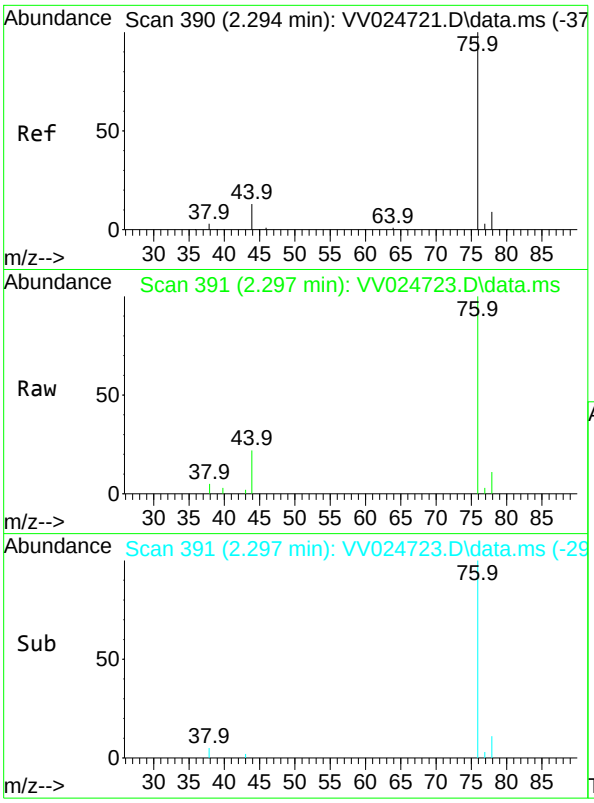




#12
1,1-Dichloroethene
Concen: 0.280 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 96 Resp: 3754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 340.8 | 116.3 | 216.1# |
| 63 | 2011.8 | 86.0 | 159.6# |



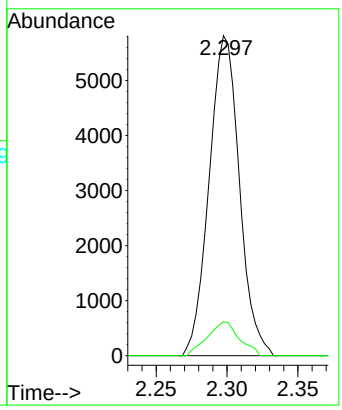


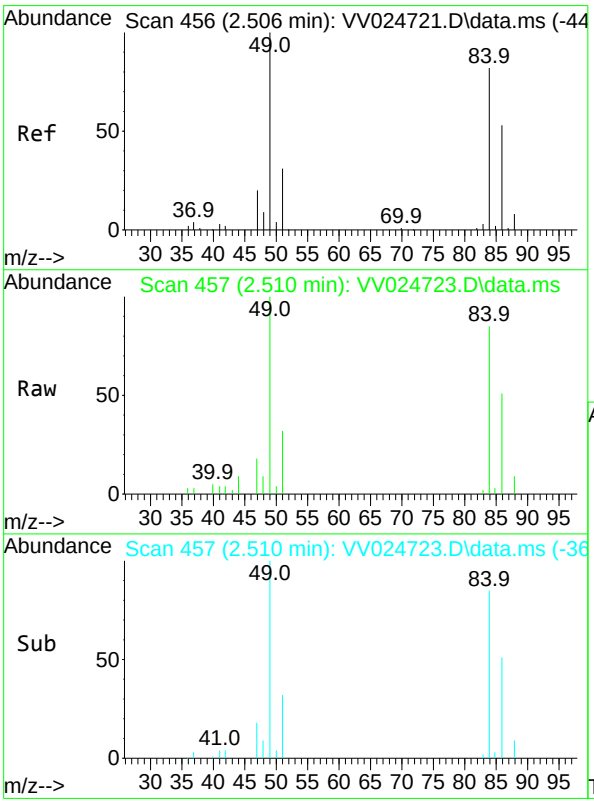

#14
Carbon disulfide
Concen: 0.229 ug/L
RT: 2.297 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 76 Resp: 8631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.6 | 7.3 | 10.9 |

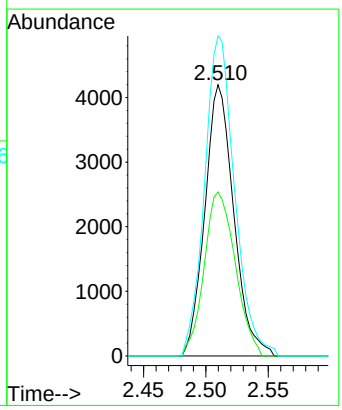


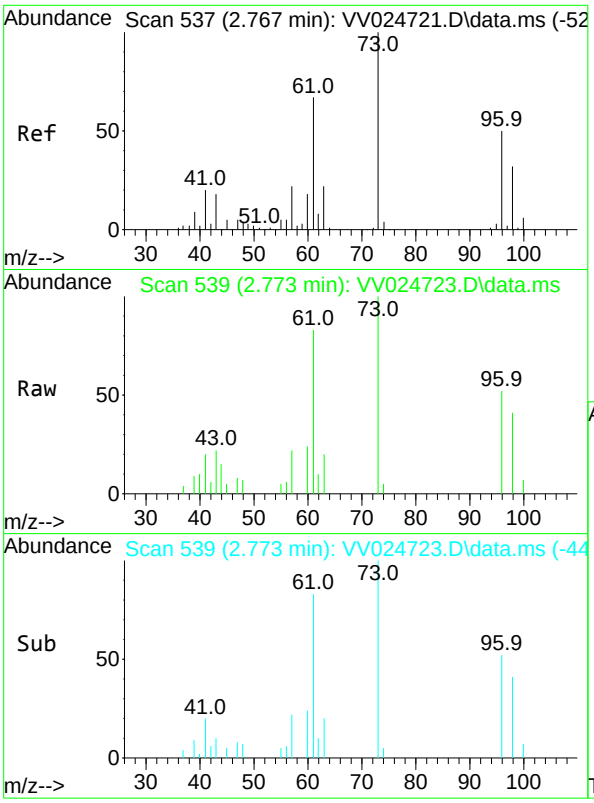




#16
Methylene chloride
Concen: 0.513 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 84 Resp: 6781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 60.5 | 45.1 | 83.7 |
| 49 | 118.0 | 83.5 | 155.1 |



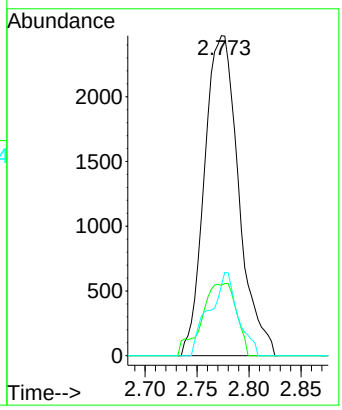


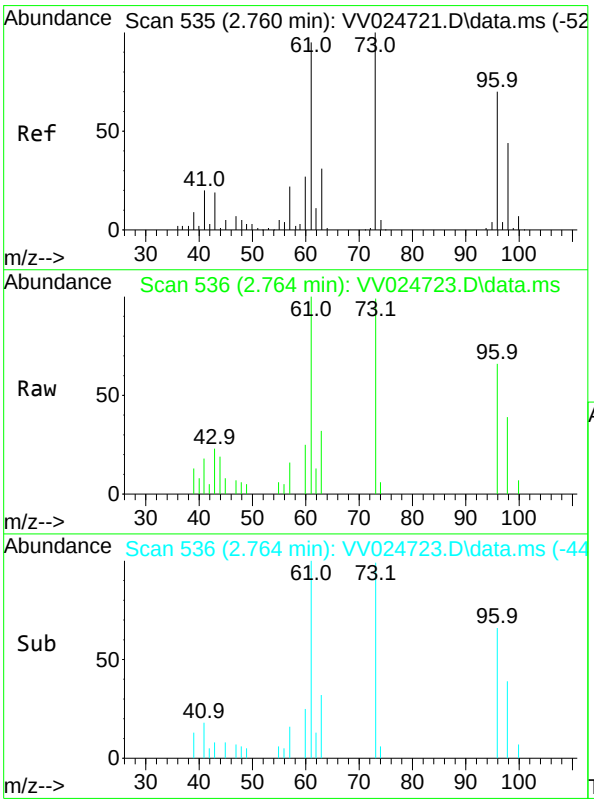

#17
Methyl tert-butyl Ether
Concen: 0.214 ug/L
RT: 2.773 min Scan# 5
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 73 Resp: 5655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 22.8 | 15.1 | 22.7# |
| 57 | 21.5 | 17.4 | 26.2 |

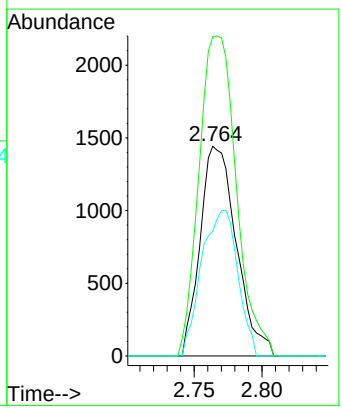


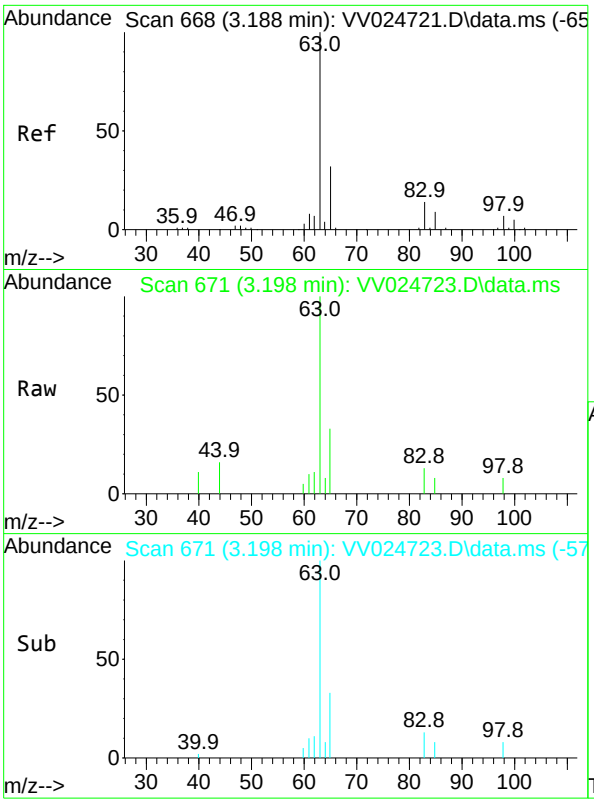




#18
trans-1,2-Dichloroethene
Concen: 0.204 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 96 Resp: 2680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.2 | 92.9 | 172.5 |
| 98 | 59.6 | 44.5 | 82.7 |



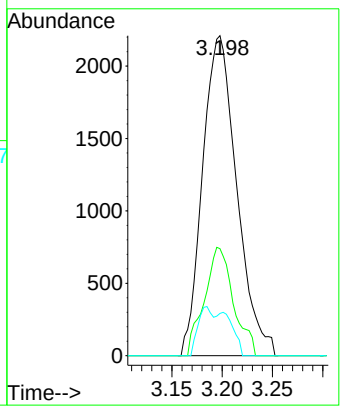


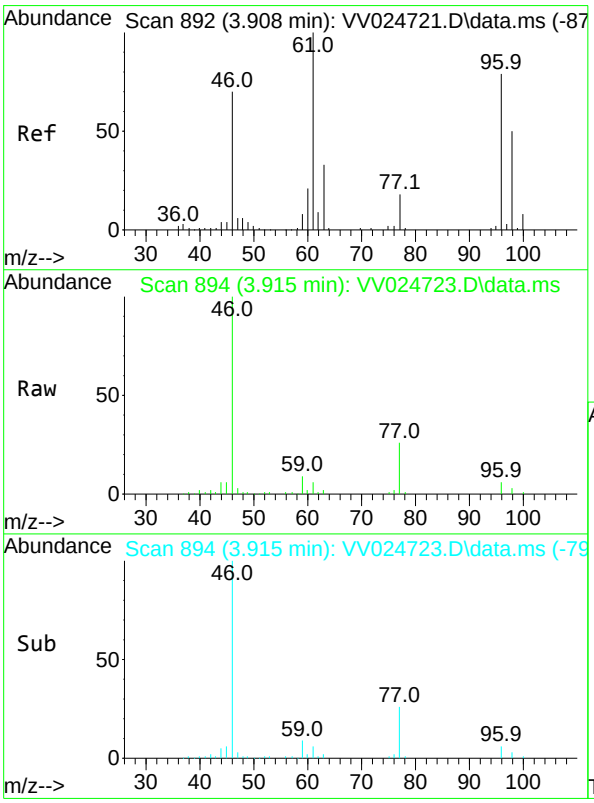

#19
1,1-Dichloroethane
Concen: 0.218 ug/L
RT: 3.198 min Scan# 6
Delta R.T. 0.010 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 63 Resp: 5222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.4 | 22.0 | 40.8 |
| 83 | 13.2 | 9.5 | 17.7 |

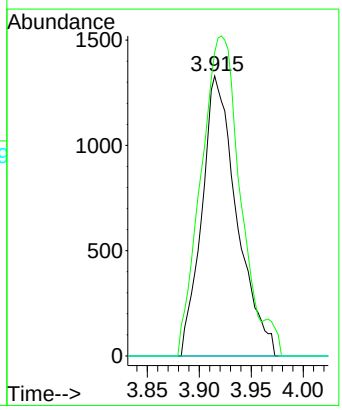


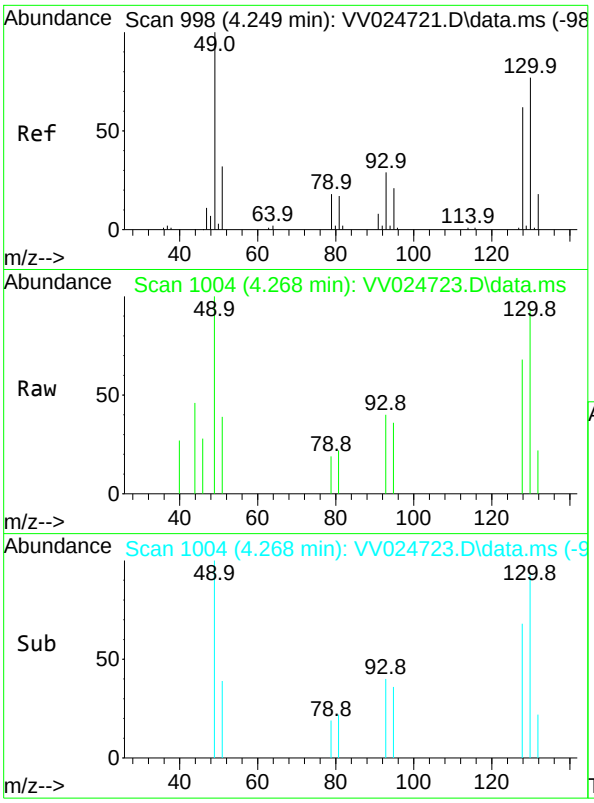




#22
cis-1,2-Dichloroethene
Concen: 0.224 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 96 Resp: 3108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 108.4 | 89.7 | 166.5 |
| 68 | 0.0 | 0.0 | 0.0 |



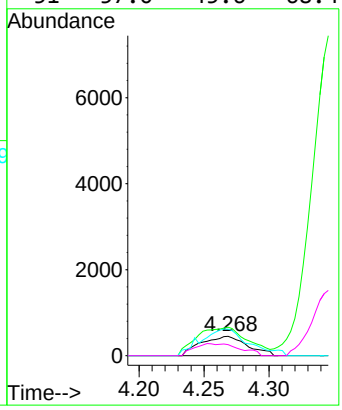


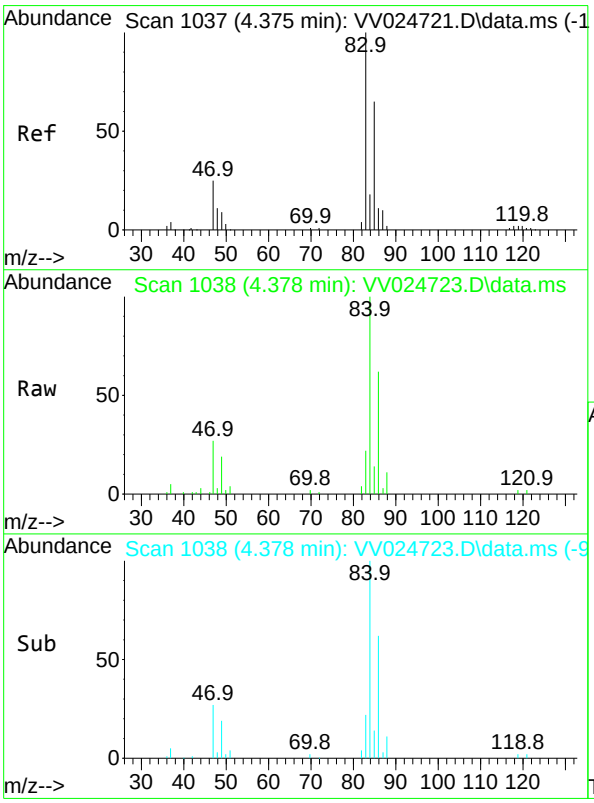

#23
Bromochloromethane
Concen: 0.209 ug/L
RT: 4.268 min Scan# 1
Delta R.T. 0.019 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:128 Resp: 1118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 146.6 | 124.2 | 230.6 |
| 130 | 136.8 | 92.1 | 171.1 |
| 51 | 57.0 | 45.6 | 68.4 |

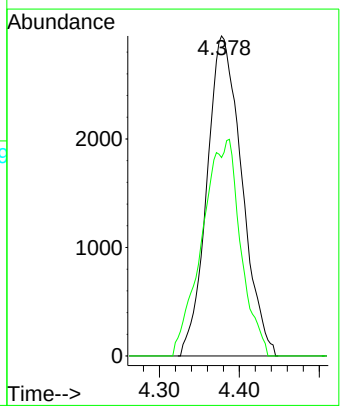


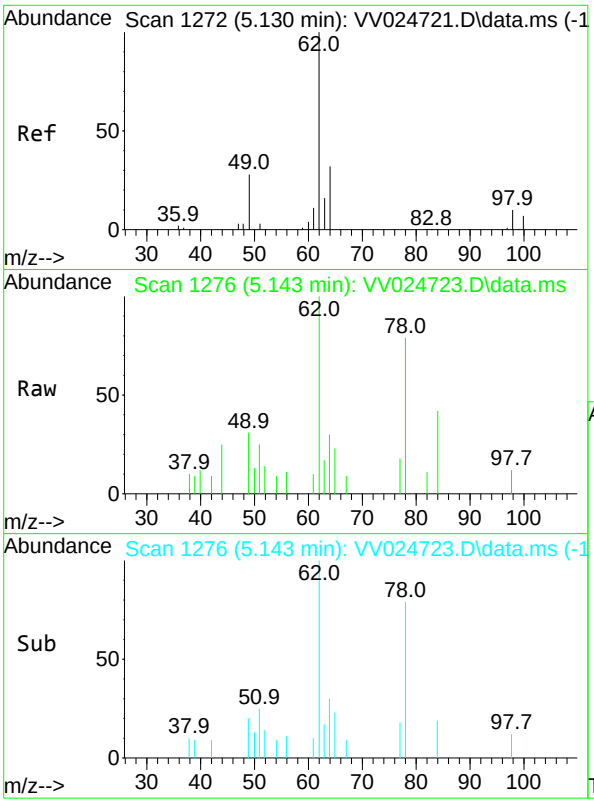




#25
Chloroform
Concen: 0.357 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 83 Resp: 8947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.0 | 45.5 | 84.5 |



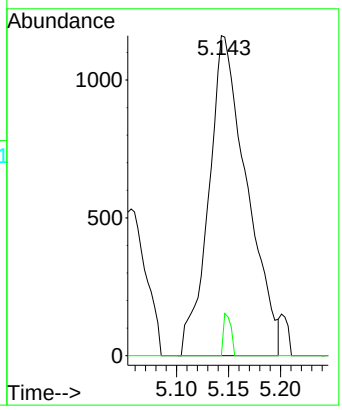


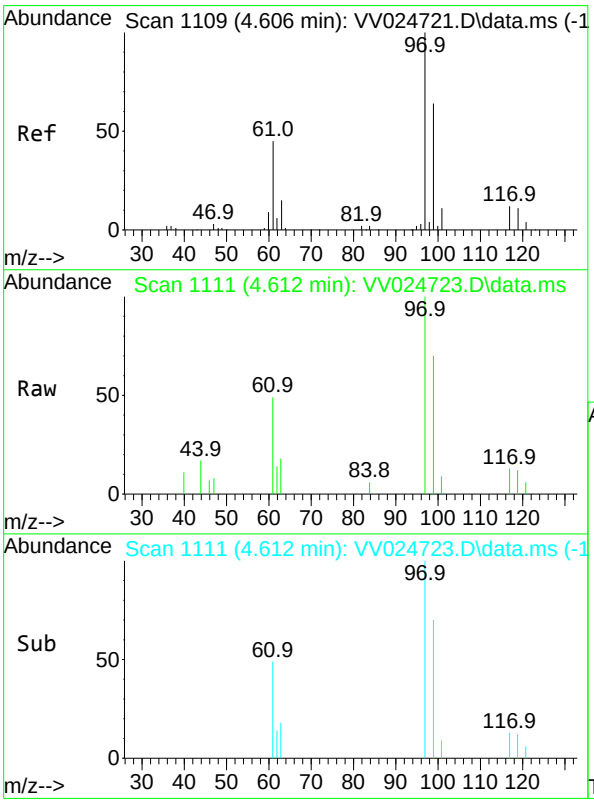

#27
1,2-Dichloroethane
Concen: 0.222 ug/L
RT: 5.143 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 62 Resp: 2967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 8.2 | 12.2# |

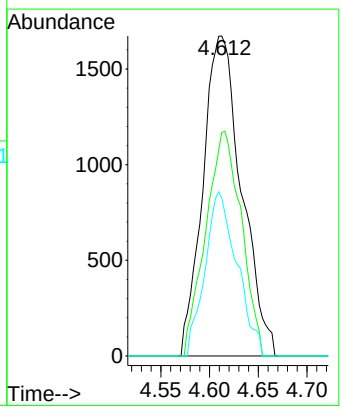


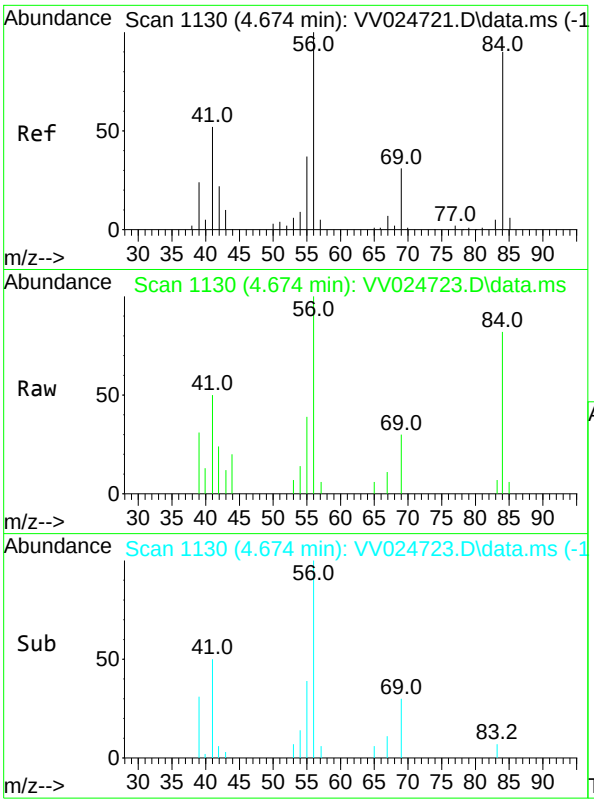




#29
1,1,1-Trichloroethane
Concen: 0.216 ug/L
RT: 4.612 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 97 Resp: 4619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.7 | 50.5 | 75.7 |
| 61 | 42.4 | 35.8 | 53.6 |



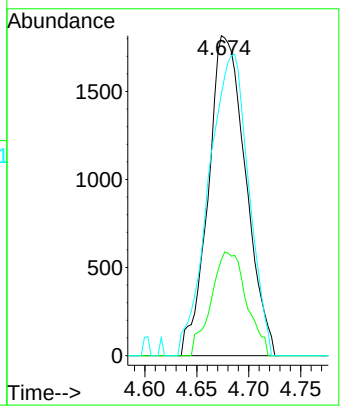


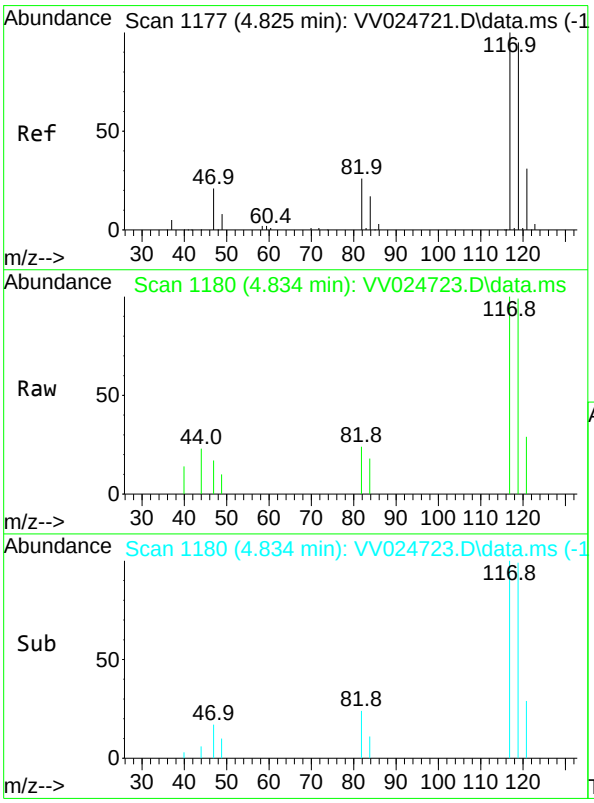

#30
Cyclohexane
Concen: 0.209 ug/L
RT: 4.674 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 56 Resp: 4530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.7 | 24.6 | 37.0 |
| 84 | 100.8 | 71.4 | 107.0 |

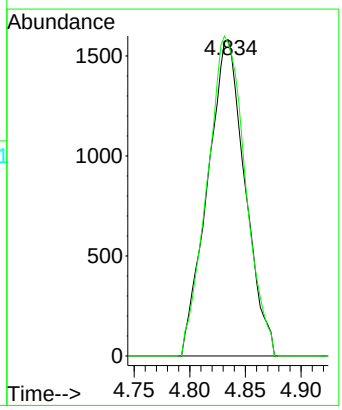


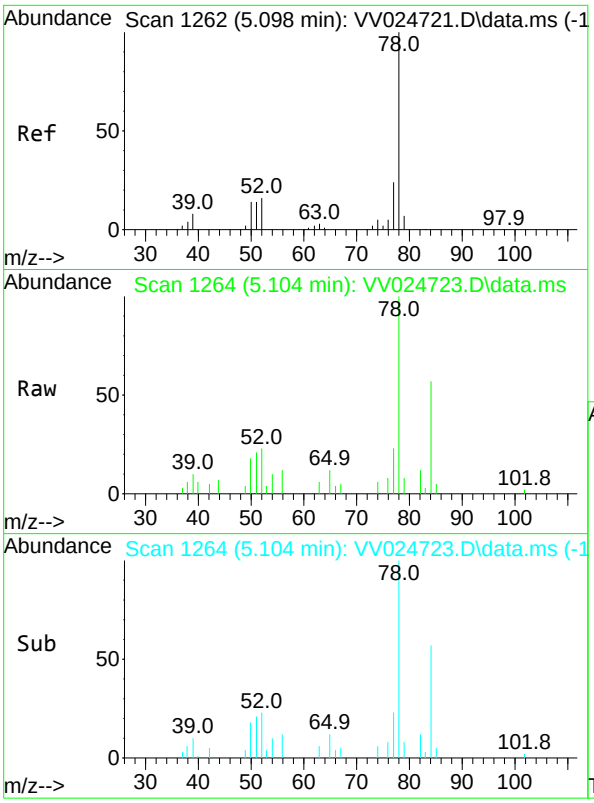




#31
Carbon tetrachloride
Concen: 0.205 ug/L
RT: 4.834 min Scan# 1180
Delta R.T. 0.010 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:117 Resp: 3695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 103.1 | 76.6 | 115.0 |

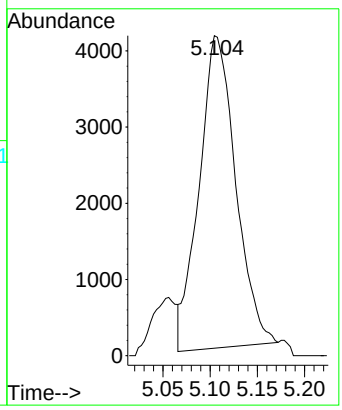


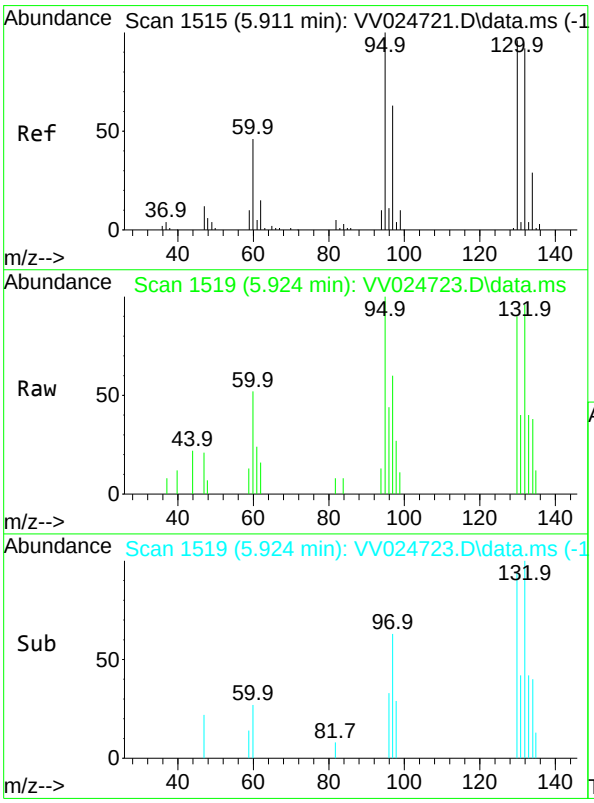



#33
Benzene
Concen: 0.204 ug/L
RT: 5.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 78 Resp: 11011

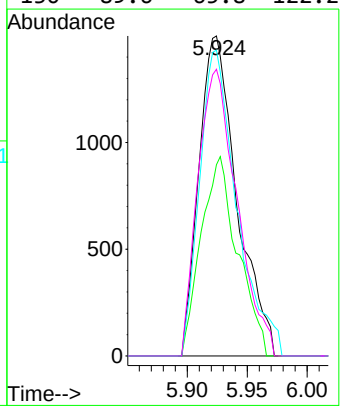


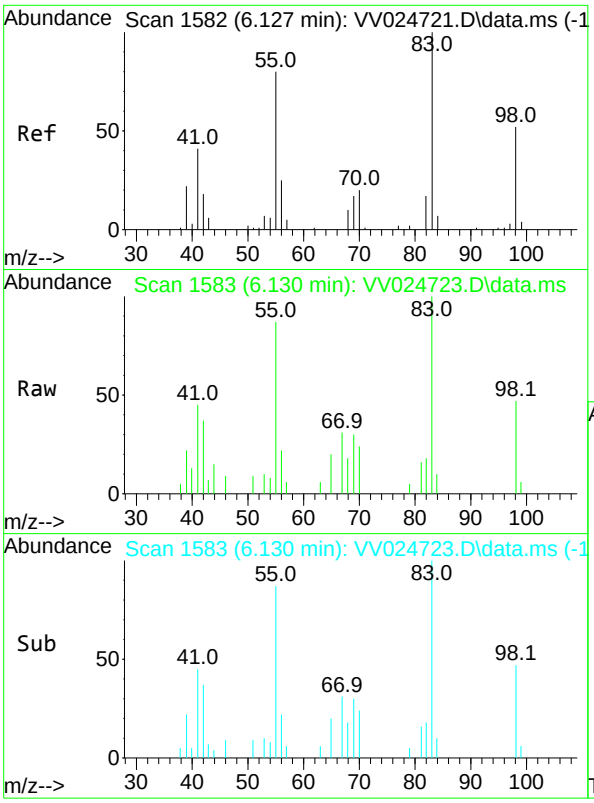




#34
Trichloroethene
Concen: 0.231 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.013 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 95 Resp: 3300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 59.8 | 44.2 | 82.0 |
| 132 | 95.5 | 62.1 | 115.3 |
| 130 | 89.6 | 65.8 | 122.2 |



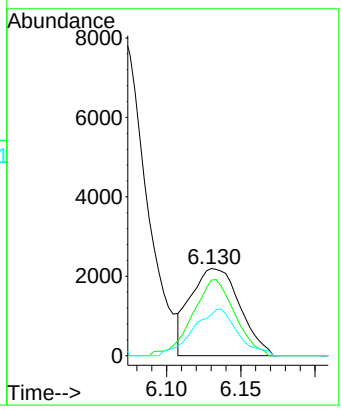


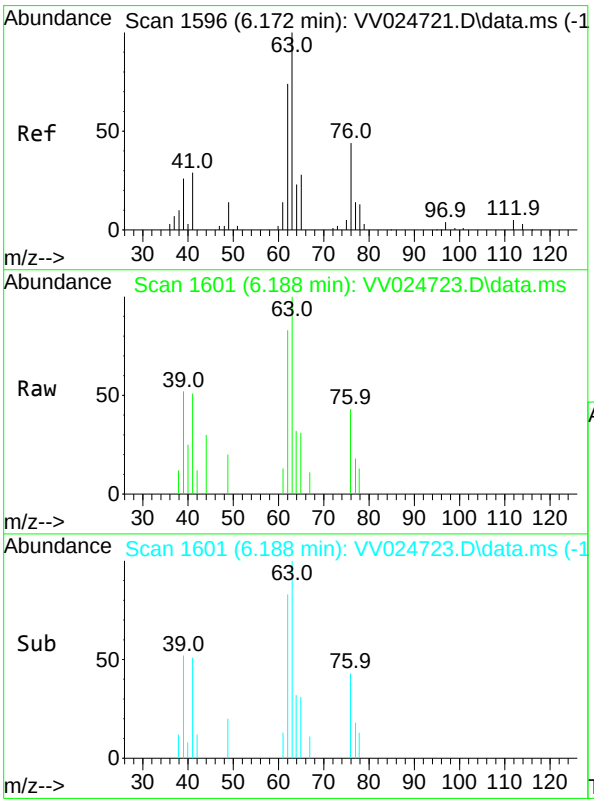

#35
Methylcyclohexane
Concen: 0.219 ug/L
RT: 6.130 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 83 Resp: 5061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.1 | 58.8 | 88.2 |
| 98 | 47.7 | 38.6 | 58.0 |

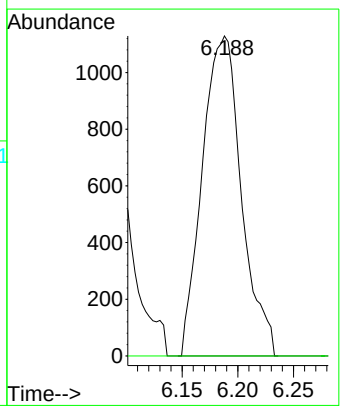


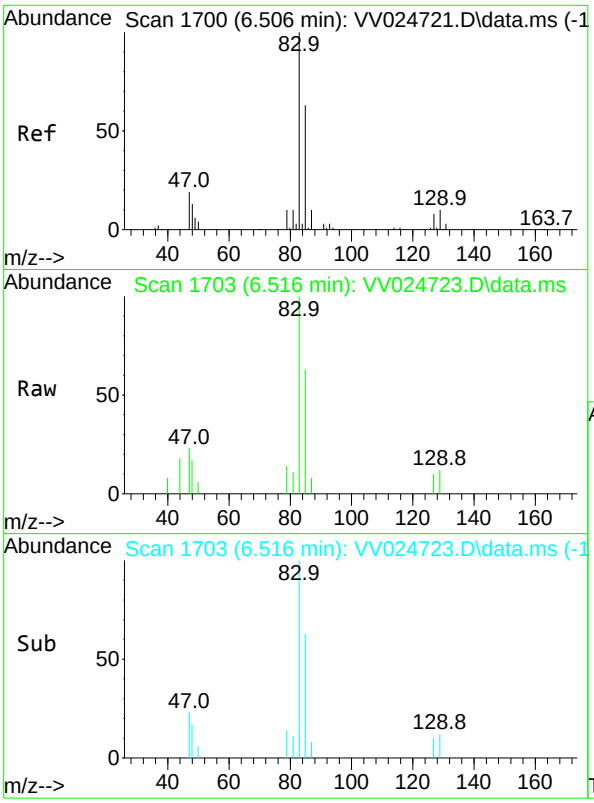




#37
1,2-Dichloropropane
Concen: 0.216 ug/L
RT: 6.188 min Scan# 1601
Delta R.T. 0.016 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 63 Resp: 2758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.8 | 5.6# |



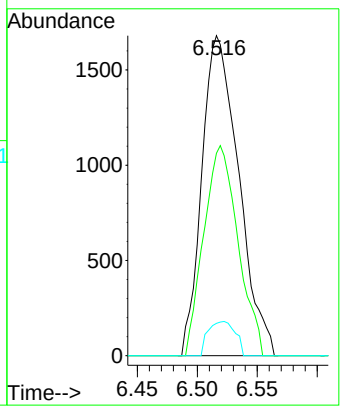


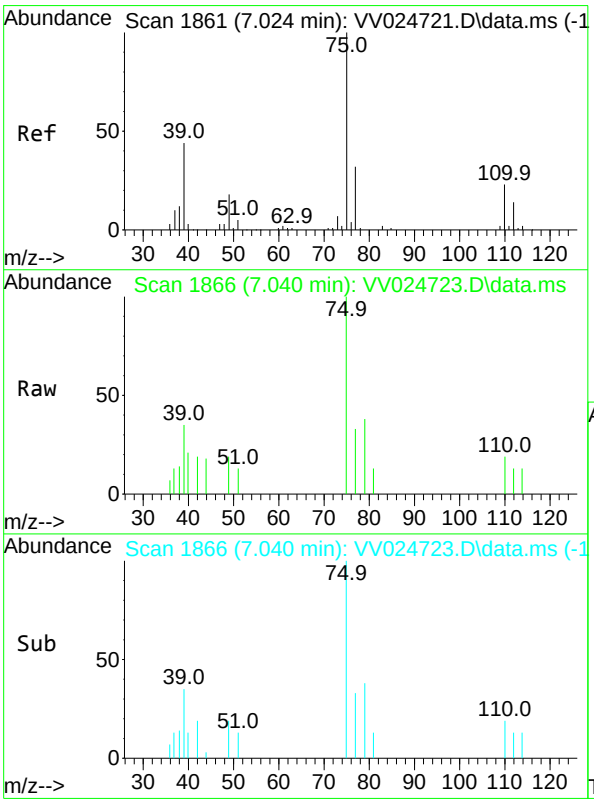

#38
Bromodichloromethane
Concen: 0.223 ug/L
RT: 6.516 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 83 Resp: 3585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 43.5 | 80.9 |
| 127 | 10.1 | 6.6 | 10.0# |

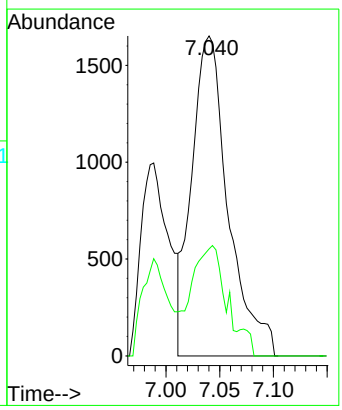


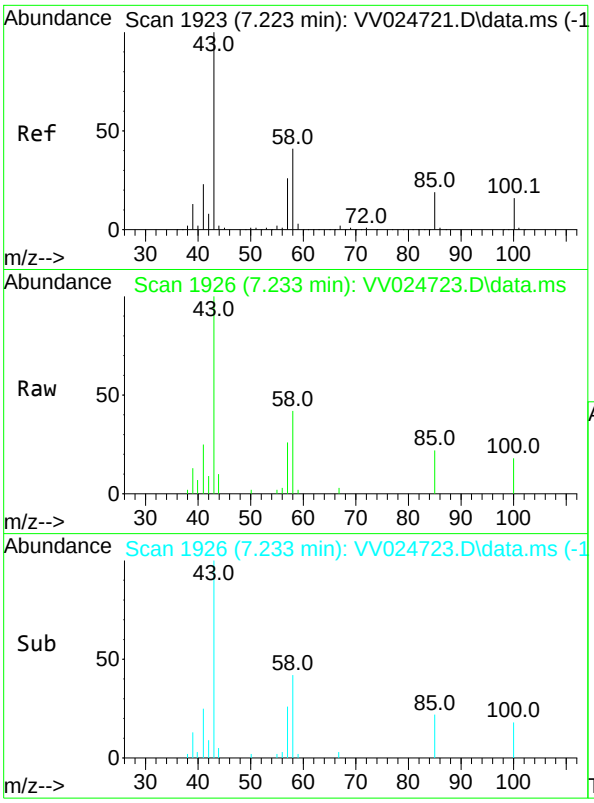




#39
cis-1,3-Dichloropropene
Concen: 0.221 ug/L
RT: 7.040 min Scan# 1866
Delta R.T. 0.016 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 75 Resp: 3904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.4 | 22.3 | 41.5 |



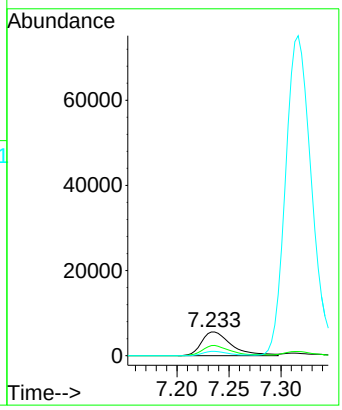


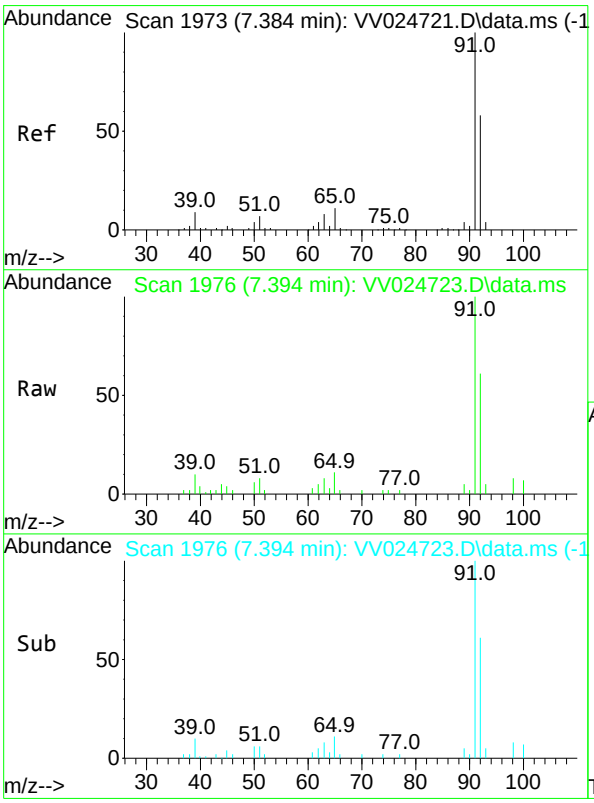

#40
4-Methyl-2-pentanone
Concen: 1.851 ug/L
RT: 7.233 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 43 Resp: 11232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.1 | 33.0 | 49.6 |
| 100 | 0.0 | 13.3 | 19.9# |

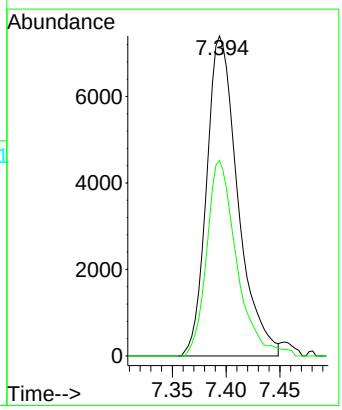


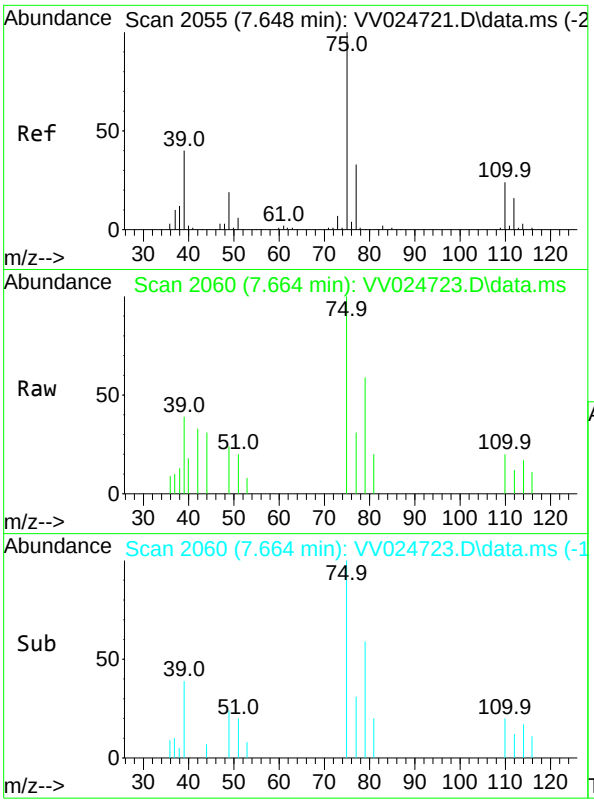




#42
Toluene
Concen: 0.260 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.010 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 91 Resp: 14917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 61.1 | 40.3 | 74.9 |



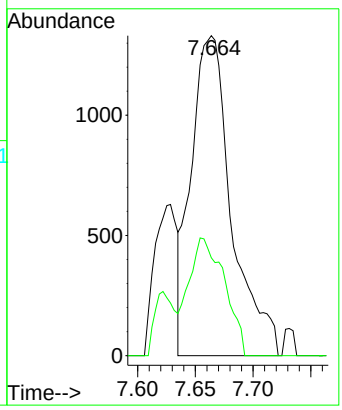


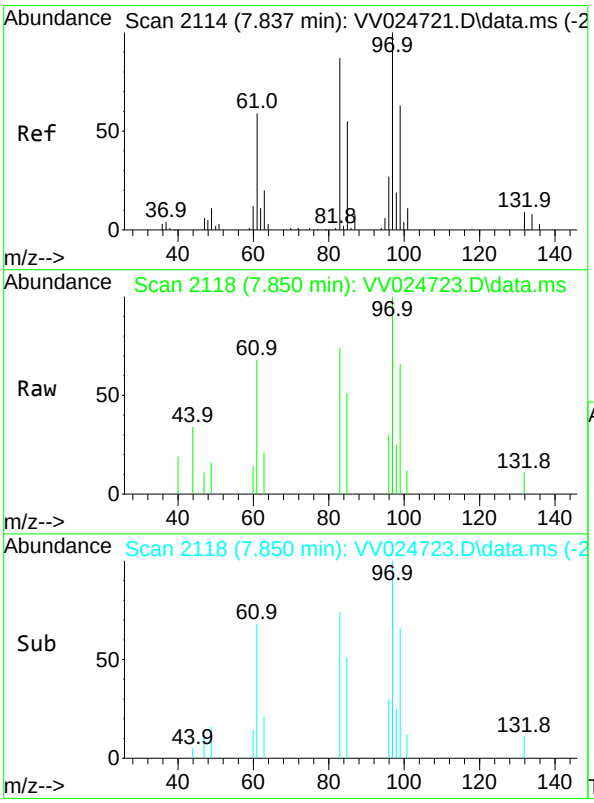

#44
trans-1,3-Dichloropropene
Concen: 0.229 ug/L
RT: 7.664 min Scan# 2
Delta R.T. 0.016 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 75 Resp: 3243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 23.5 | 43.7 |

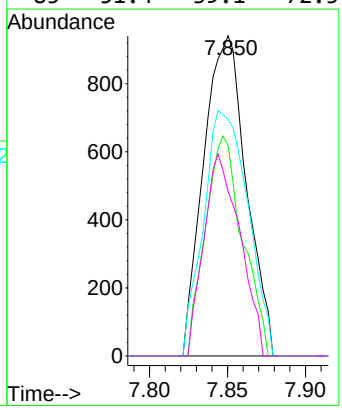


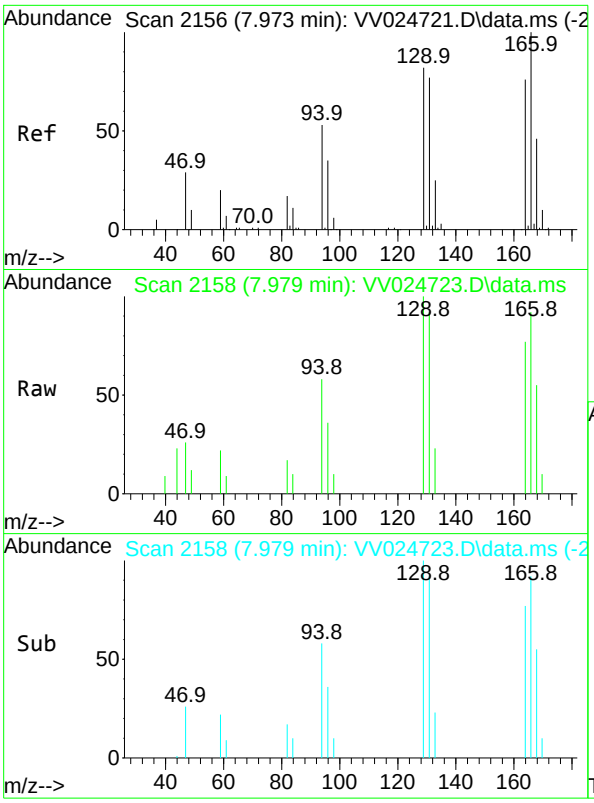




#45
1,1,2-Trichloroethane
Concen: 0.216 ug/L
RT: 7.850 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 97 Resp: 1791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.7 | 43.8 | 81.3 |
| 83 | 73.9 | 61.3 | 113.9 |
| 85 | 51.4 | 39.1 | 72.5 |



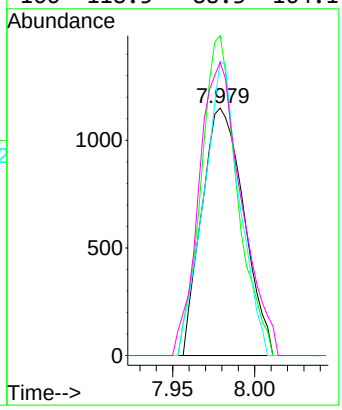


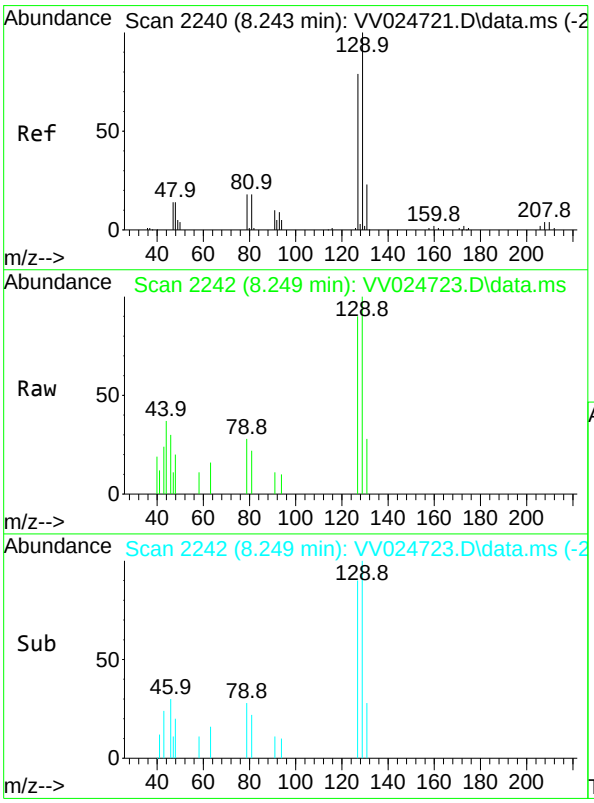

#47
Tetrachloroethene
Concen: 0.210 ug/L
RT: 7.979 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:164 Resp: 2047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 129.3 | 70.3 | 130.7 |
| 131 | 119.0 | 67.7 | 125.7 |
| 166 | 118.5 | 88.3 | 164.1 |

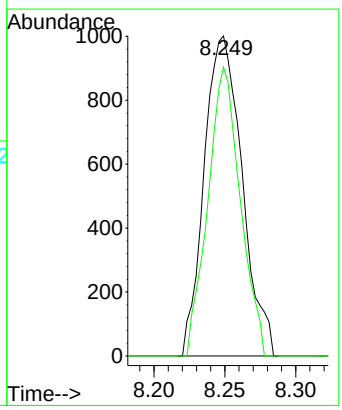


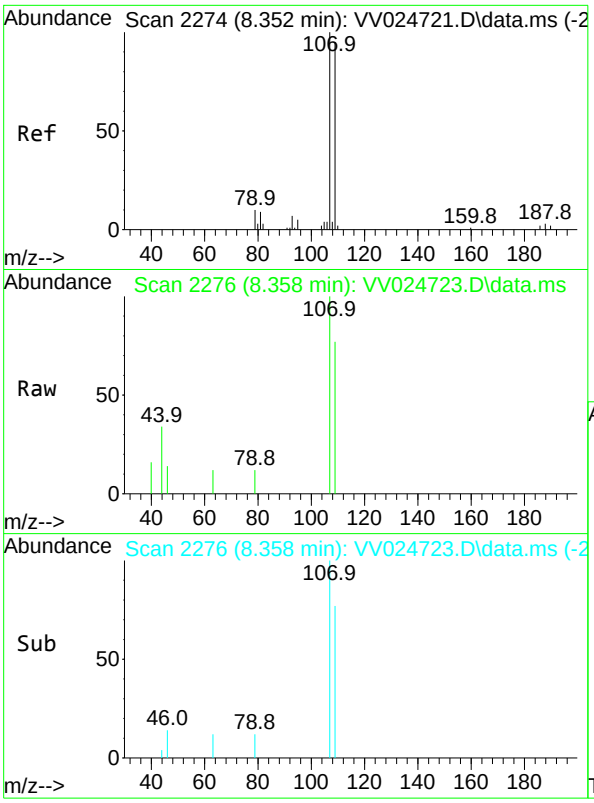




#49
Dibromochloromethane
Concen: 0.202 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:129 Resp: 1863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 90.3 | 53.6 | 99.6 |



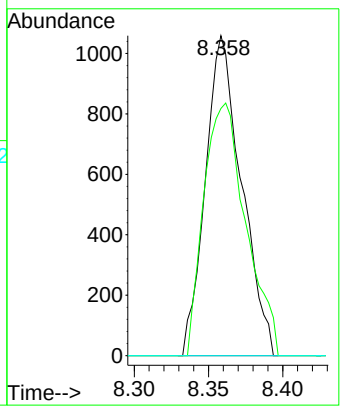


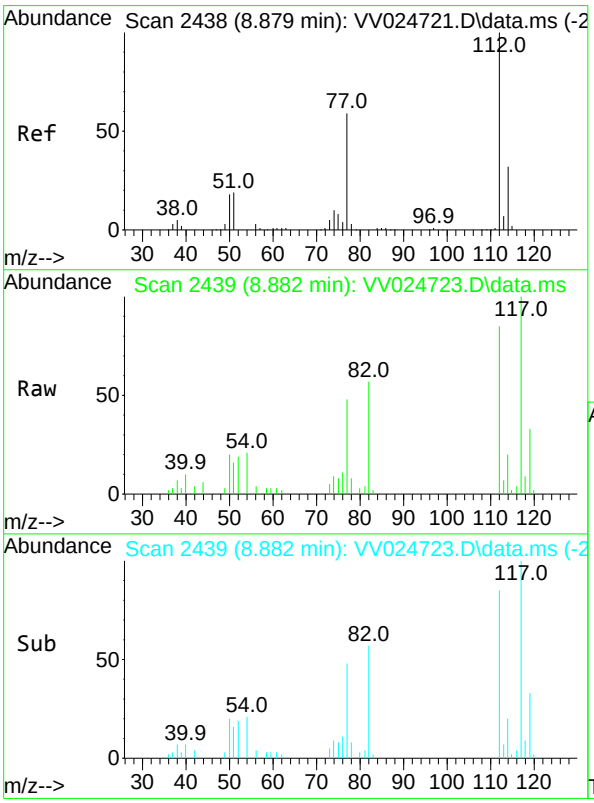

#50
1,2-Dibromoethane
Concen: 0.237 ug/L
RT: 8.358 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:107 Resp: 1792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 77.2 | 65.6 | 121.8 |
| 188 | 0.0 | 2.6 | 3.8# |

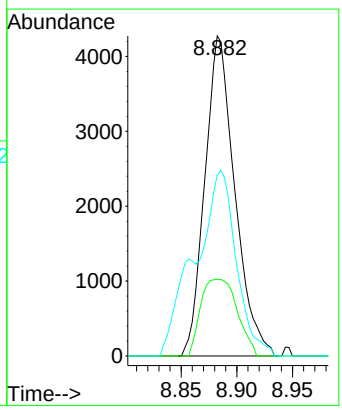


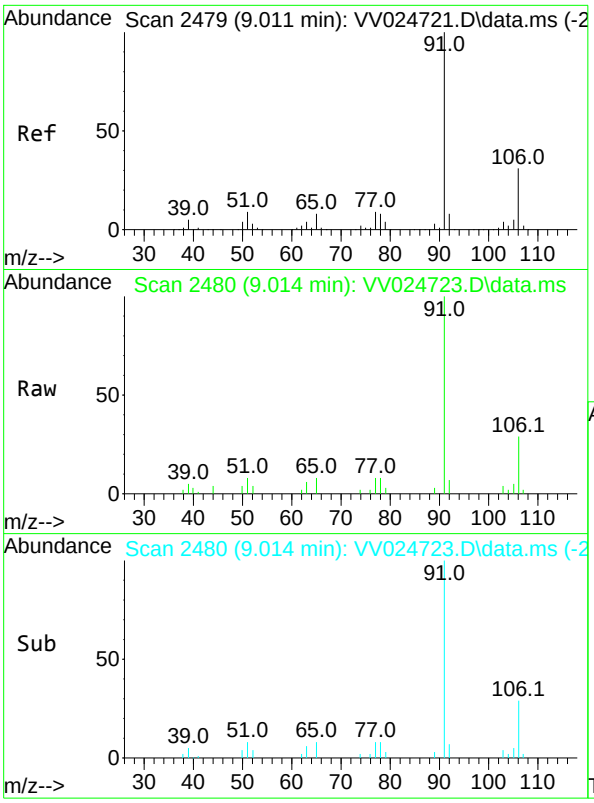




#51
Chlorobenzene
Concen: 0.223 ug/L
RT: 8.882 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:112 Resp: 8005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 23.9 | 22.3 | 41.5 |
| 77 | 56.5 | 48.4 | 72.6 |



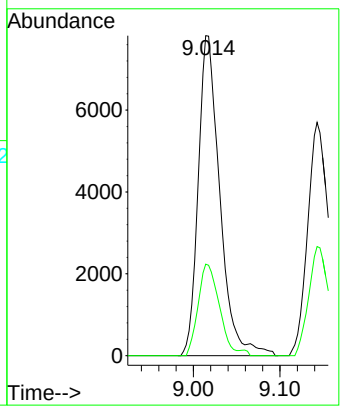


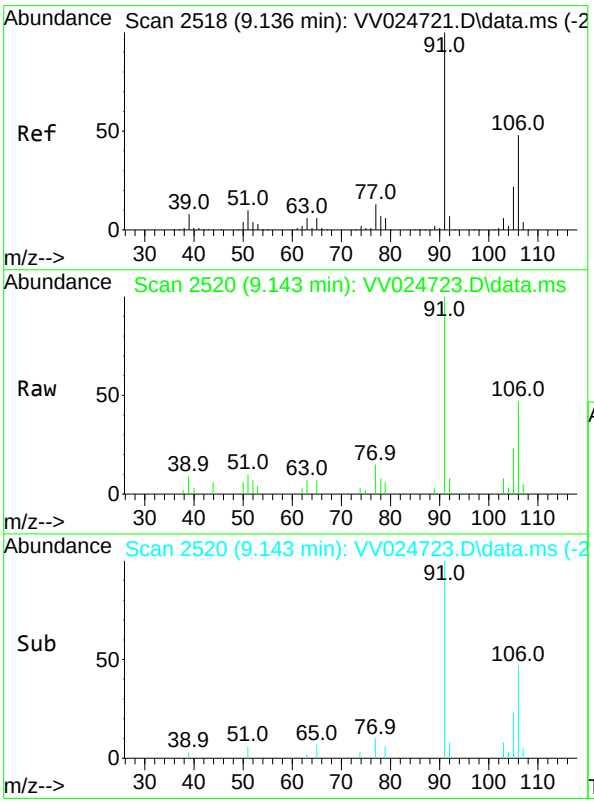

#52
Ethylbenzene
Concen: 0.216 ug/L
RT: 9.014 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 91 Resp: 13561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.6 | 21.3 | 39.5 |

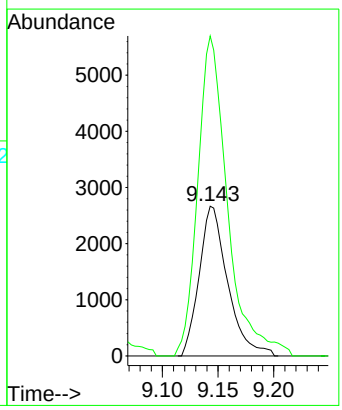


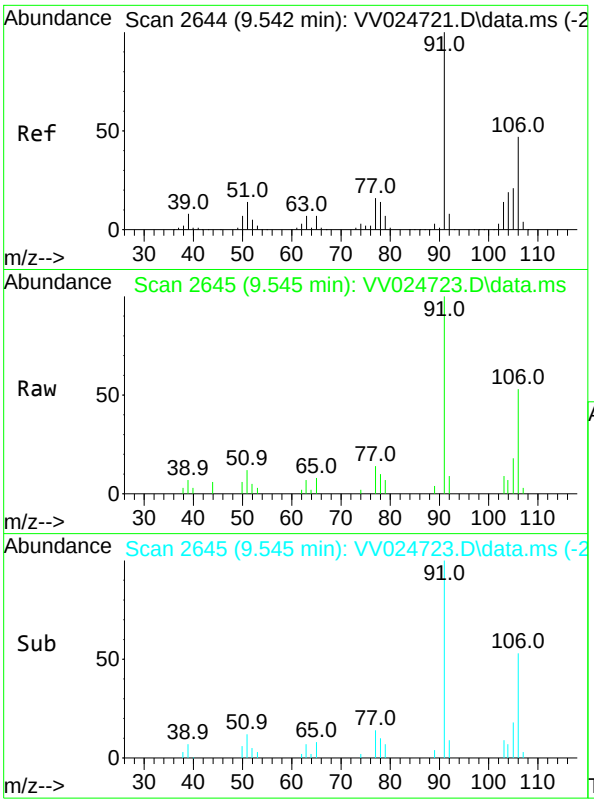




#53
m,p-xylene
Concen: 0.200 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:106 Resp: 4742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.7 | 143.6 | 266.6 |



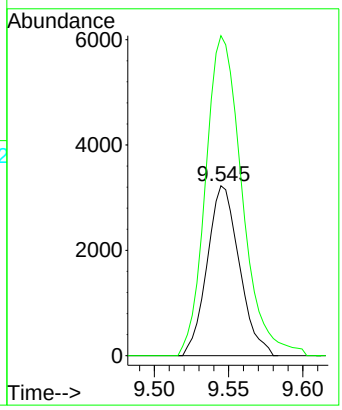


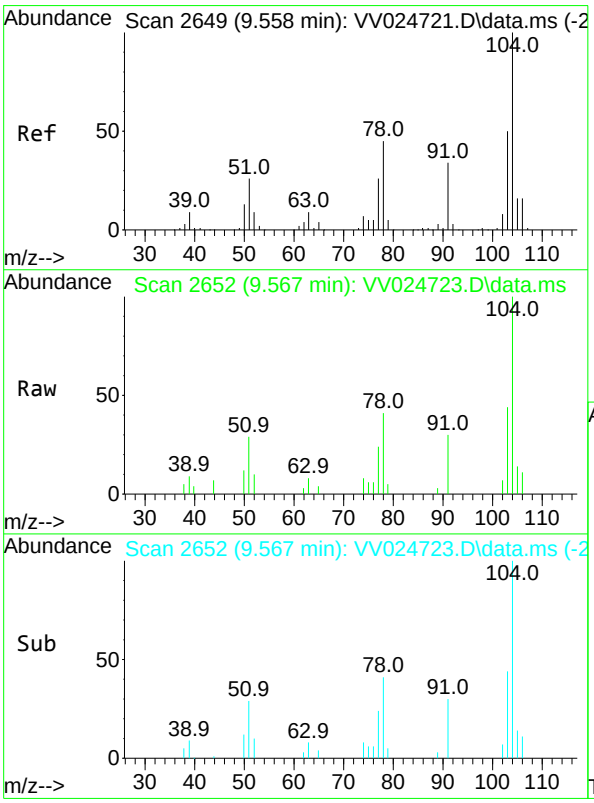

#54
o-xylene
Concen: 0.210 ug/L
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:106 Resp: 4857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 188.3 | 152.2 | 282.7 |

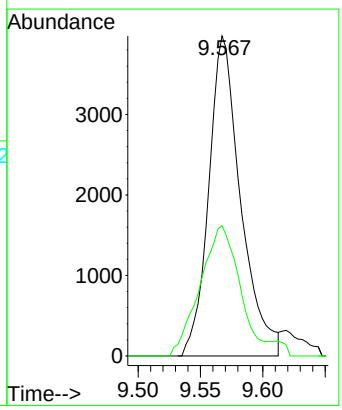


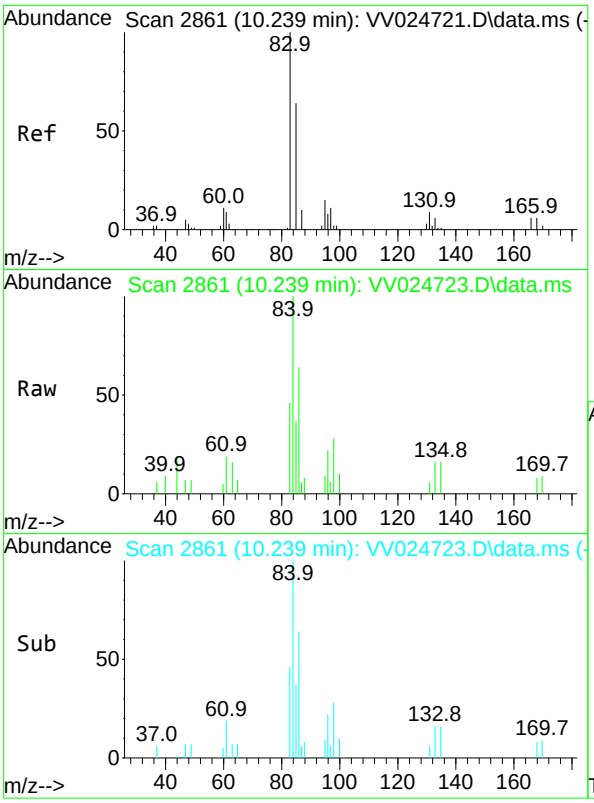




#55
Styrene
Concen: 0.188 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.010 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:104 Resp: 7084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 40.7 | 32.0 | 59.4 |



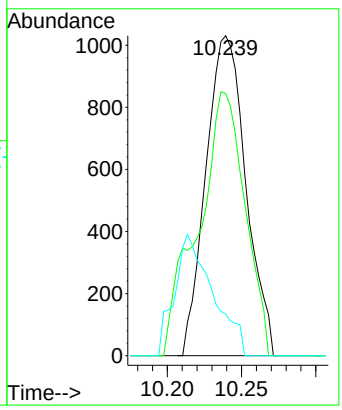


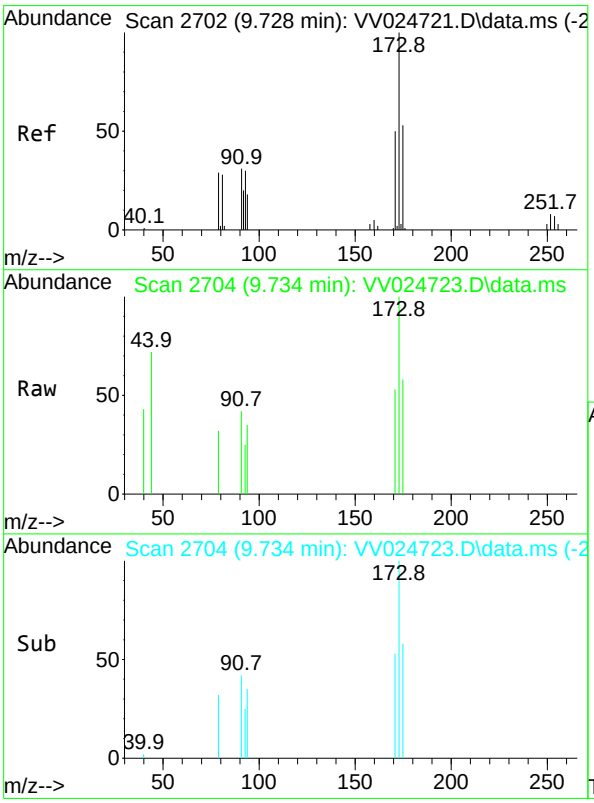

#57
1,1,2,2-Tetrachloroethane
Concen: 0.220 ug/L
RT: 10.239 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion: 83 Resp: 1932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 82.0 | 43.9 | 81.5# |
| 131 | 13.0 | 7.0 | 10.4# |

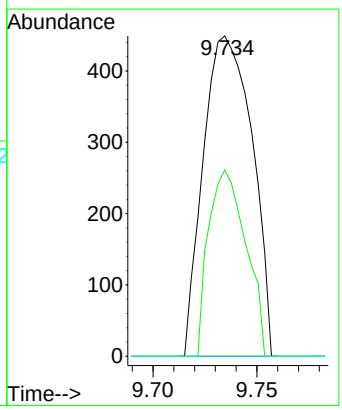


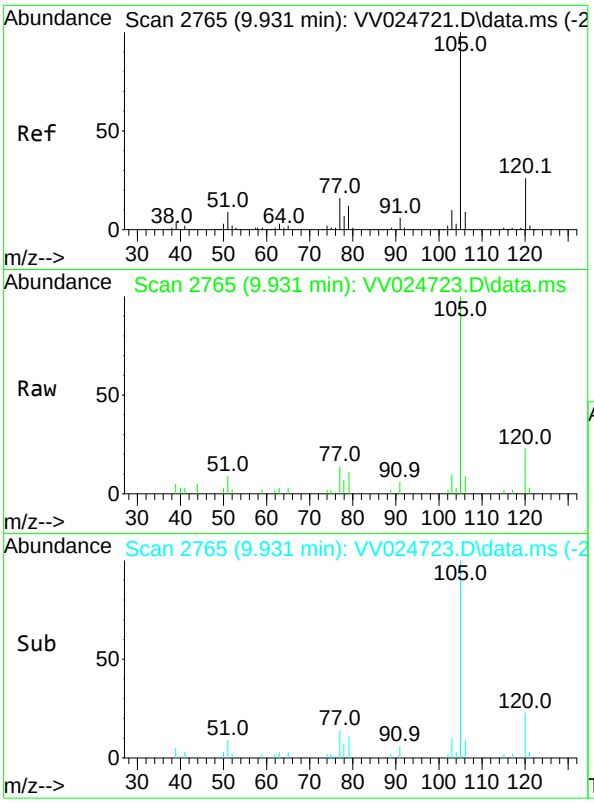




#59
Bromoform
Concen: 0.202 ug/L
RT: 9.734 min Scan# 2704
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:173 Resp: 731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 44.6 | 39.4 | 59.0 |
| 254 | 0.0 | 7.0 | 10.4# |



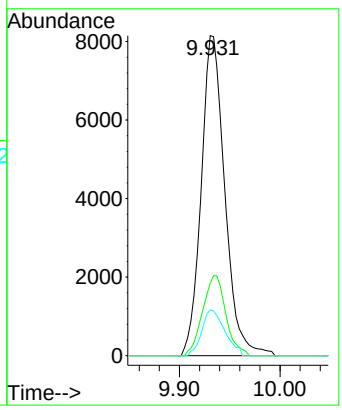


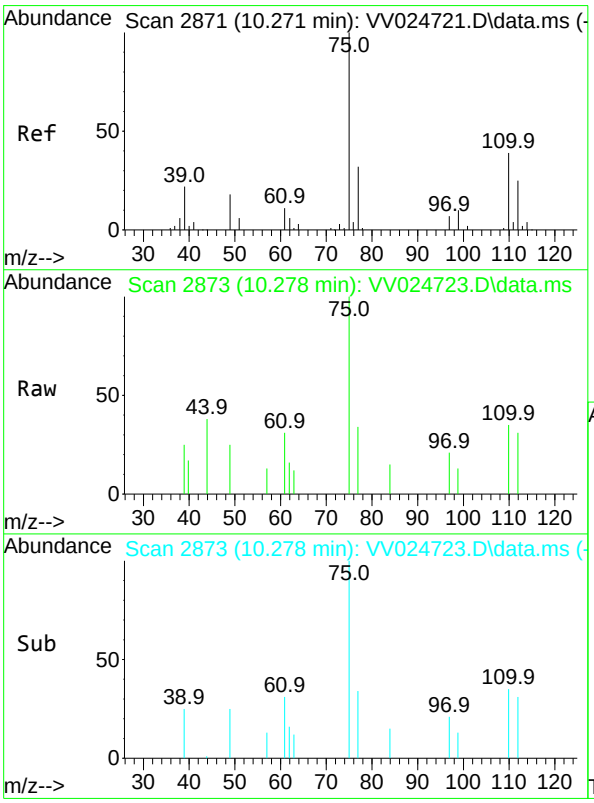

#60
Isopropylbenzene
Concen: 0.225 ug/L
RT: 9.931 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:105 Resp: 13284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.6 | 20.7 | 31.1 |
| 77 | 13.9 | 12.7 | 19.1 |

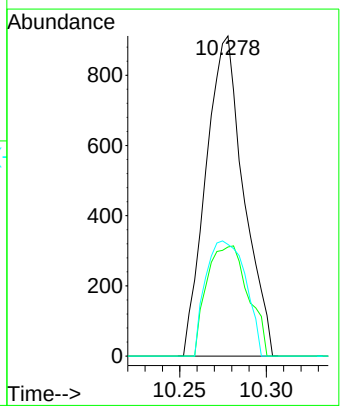


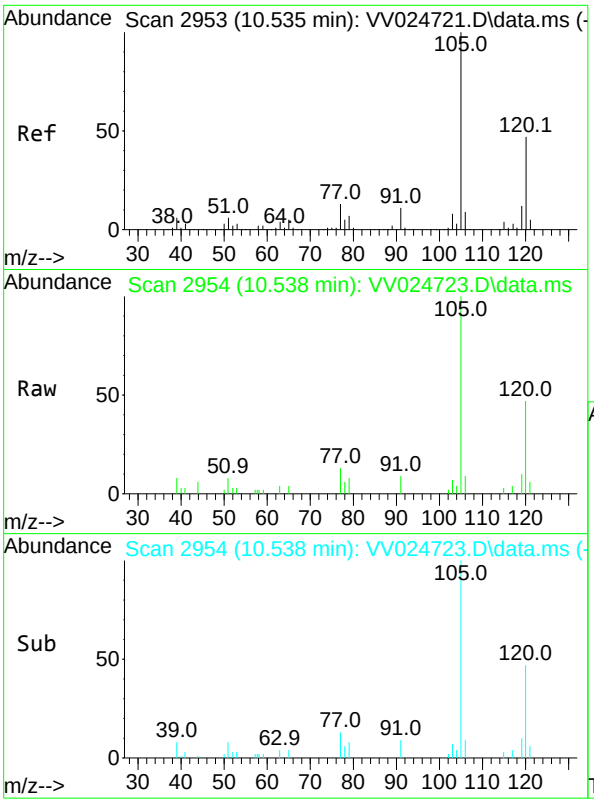




#61
1,2,3-Trichloropropane
Concen: 0.213 ug/L
RT: 10.278 min Scan# 2873
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 75 Resp: 1381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.5 | 26.3 | 39.5 |
| 110 | 38.0 | 30.3 | 45.5 |



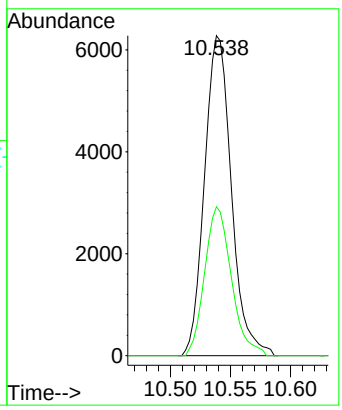


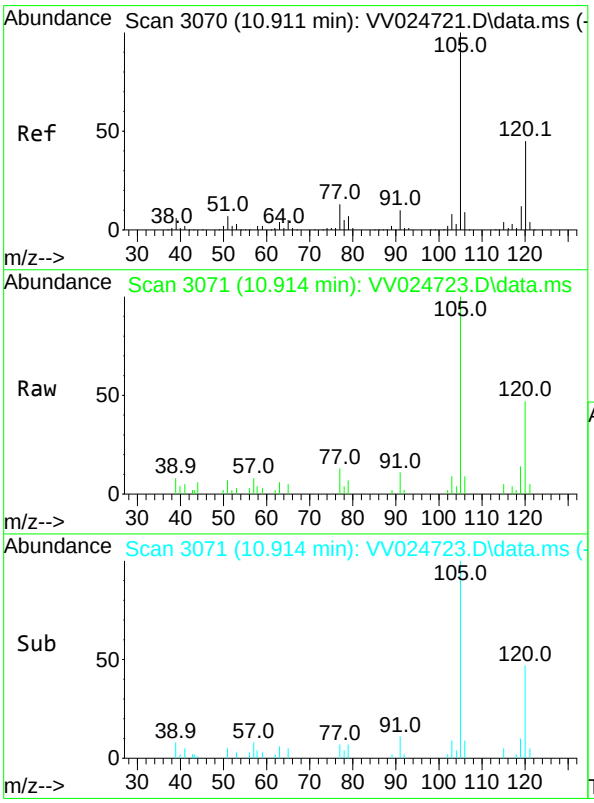

#62
1,3,5-Trimethylbenzene
Concen: 0.198 ug/L
RT: 10.538 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:105 Resp: 9779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 38.6 | 57.8 |

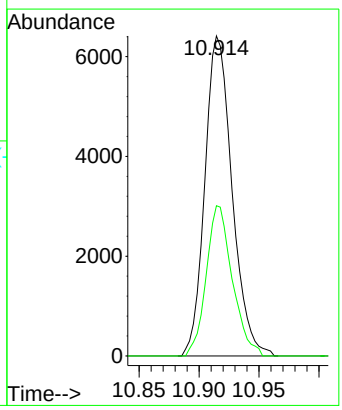


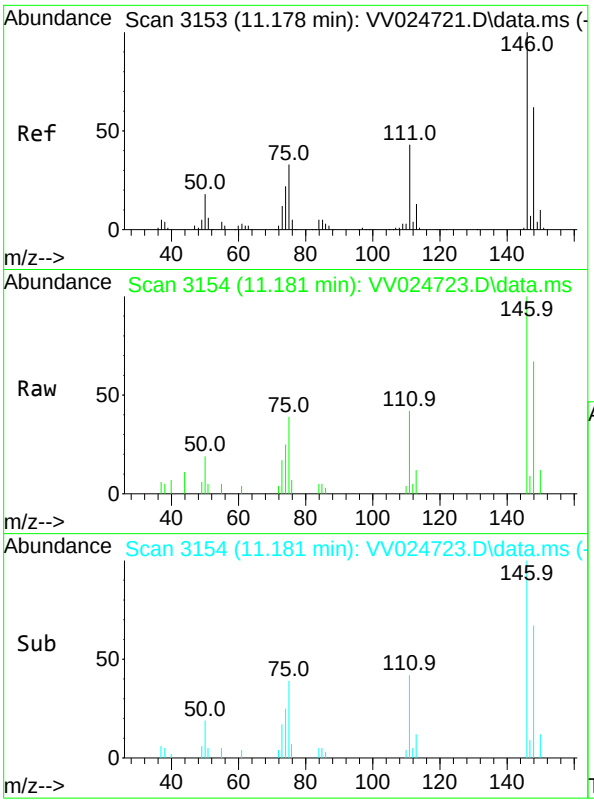




#63
1,2,4-Trimethylbenzene
Concen: 0.207 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:105 Resp: 10129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.9 | 35.9 | 53.9 |



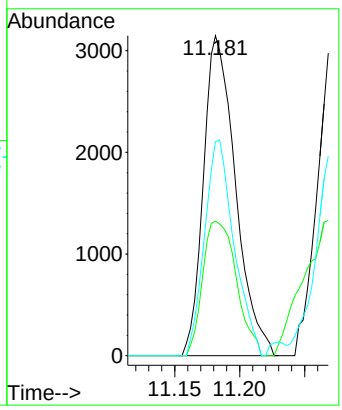


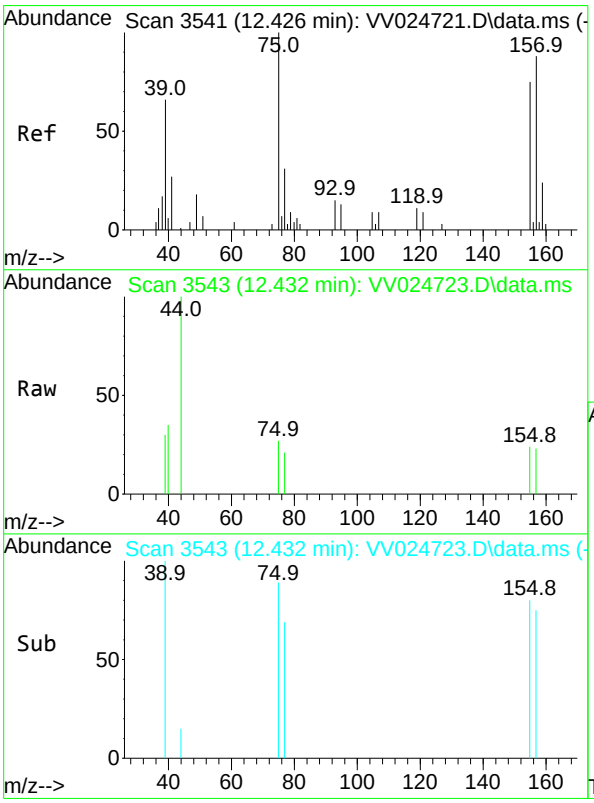

#64
1,3-Dichlorobenzene
Concen: 0.217 ug/L
RT: 11.181 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:146 Resp: 5400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 31.0 | 57.6 |
| 148 | 66.9 | 45.4 | 84.4 |

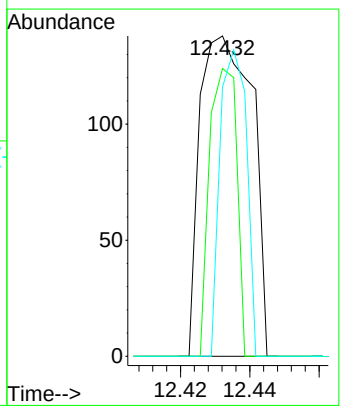


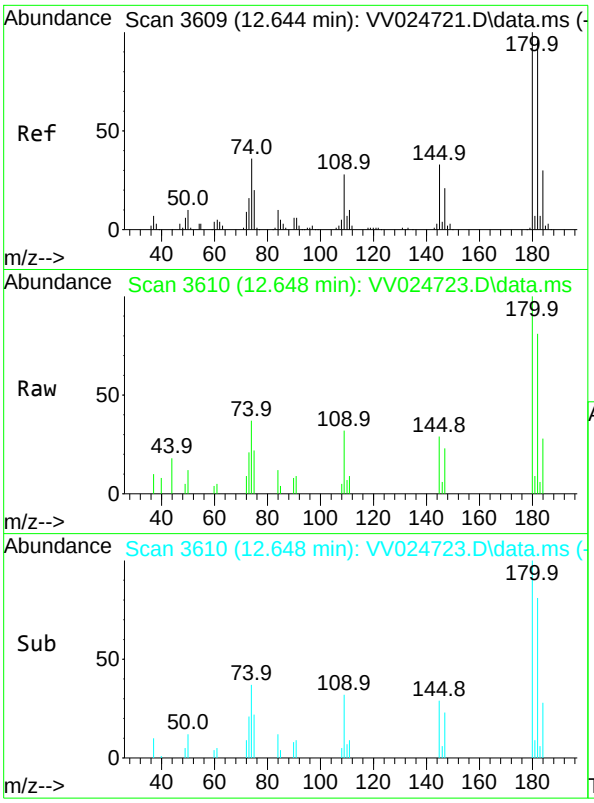




#68
1,2-Dibromo-3-chloropropane
Concen: 0.130 ug/L
RT: 12.432 min Scan# 3543
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion: 75 Resp: 144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 89.9 | 61.7 | 92.5 |
| 157 | 84.1 | 73.5 | 110.3 |



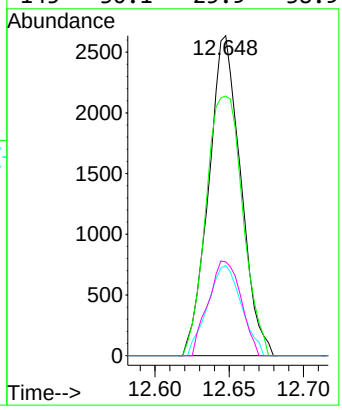


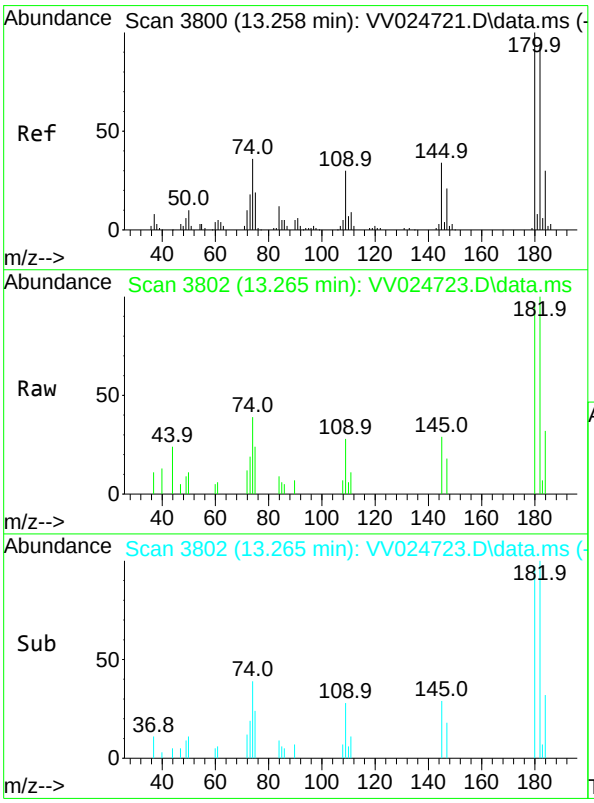

#69
1,3,5-Trichlorobenzene
Concen: 0.224 ug/L
RT: 12.648 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:180 Resp: 3960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.9 | 74.6 | 111.8 |
| 184 | 29.8 | 23.8 | 35.8 |
| 145 | 30.1 | 25.9 | 38.9 |

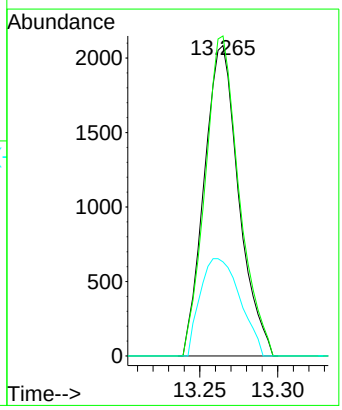


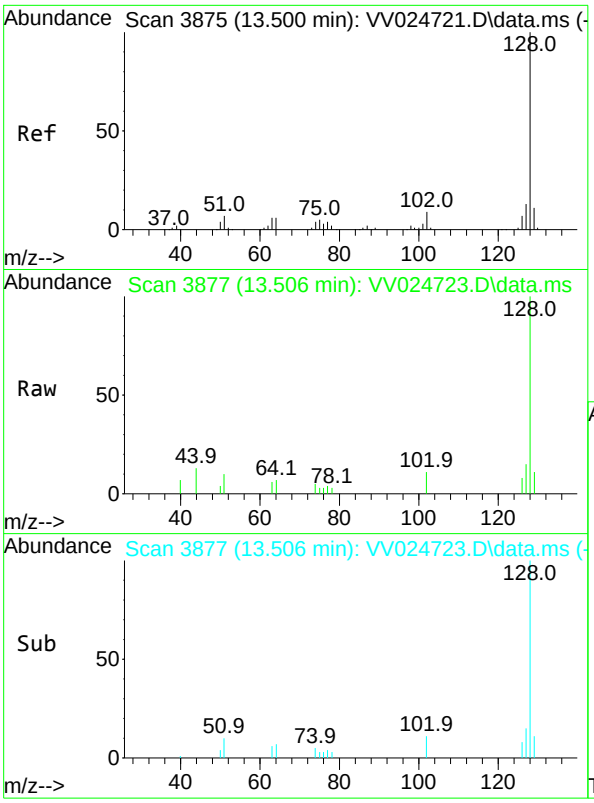




#70
1,2,4-trichlorobenzene
Concen: 0.231 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:180 Resp: 3215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.2 | 75.0 | 112.6 |
| 145 | 36.1 | 26.9 | 40.3 |



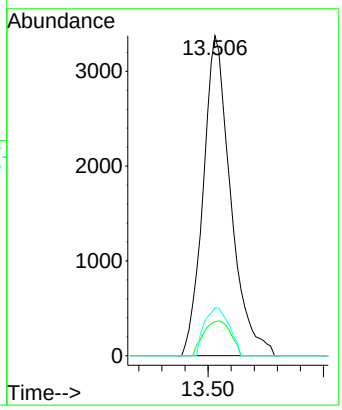


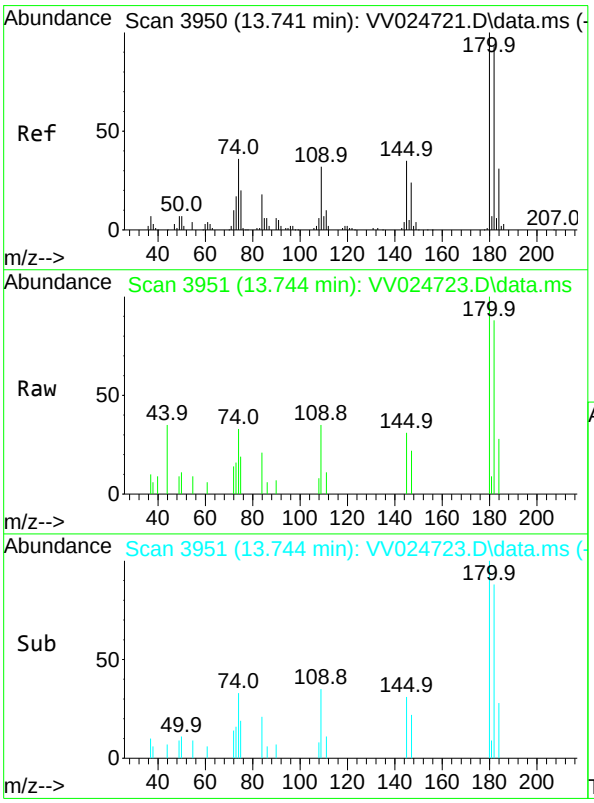

#71
Naphthalene
Concen: 0.235 ug/L
RT: 13.506 min Scan# 3
Delta R.T. 0.006 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL-WATER-QT1-2022-01

Tgt Ion:128 Resp: 5566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.4 | 12.6 |
| 127 | 13.5 | 10.2 | 15.2 |




#72
1,2,3-Trichlorobenzene
Concen: 0.233 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV024723.D
Acq: 17 Feb 2022 15:40

Tgt Ion:180 Resp: 2712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.3 | 75.6 | 113.4 |
| 145 | 32.6 | 28.5 | 42.7 |