Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063728.D
Acq On : 17 Nov 2025 15:32
Operator : MD/SY
Sample : Q3589-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Quant Time: Nov 18 02:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:55:44 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.219 | 114 | 326517 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.393 | 117 | 313191 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.788 | 152 | 157158 | 50.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.583 | 65 | 128508 | 45.577 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 91.160% | | | |
| 7) Chloroethane-d5 | 1.891 | 69 | 98778 | 45.472 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 90.940% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.541 | 63 | 176056 | 36.022 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 72.040% | | | |
| 21) 2-Butanone-d5 | 4.595 | 46 | 154102 | 95.868 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 95.870% | | | |
| 24) Chloroform-d | 5.029 | 84 | 212563 | 44.932 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 89.860% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.669 | 65 | 147500 | 47.415 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.840% | | | |
| 32) Benzene-d6 | 5.695 | 84 | 433129 | 47.181 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.360% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.660 | 67 | 124698 | 46.270 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 92.540% | | | |
| 41) Toluene-d8 | 7.872 | 98 | 399830 | 45.871 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 91.740% | | | |
| 43) trans-1,3-Dichloroprop... | 8.155 | 79 | 48443 | 43.497 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 87.000% | | | |
| 47) 2-Hexanone-d5 | 8.611 | 63 | 90840 | 92.707 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 92.710% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.730 | 84 | 181438 | 46.036 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 92.080% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.167 | 152 | 144326 | 48.648 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.300% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.374 | 85 | 3957 | 2.082 | ug/L | 98 |
| 3) Chloromethane | 1.509 | 50 | 5071 | 2.359 | ug/L | 95 |
| 5) Vinyl chloride | 1.589 | 62 | 6437 | 2.575 | ug/L # | 59 |
| 6) Bromomethane | 1.840 | 94 | 3945 | 2.490 | ug/L | 94 |
| 8) Chloroethane | 1.660 | 64 | 64 | 0.038 | ug/L | 86 |
| 9) Trichlorofluoromethane | 2.116 | 101 | 9196 | 2.332 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.550 | 101 | 6648 | 2.853 | ug/L # | 83 |
| 12) 1,1-Dichloroethene | 2.554 | 96 | 6483 | 3.042 | ug/L # | 1 |
| 13) Acetone | 2.605 | 43 | 9725 | 4.470 | ug/L | 97 |
| 14) Carbon disulfide | 2.766 | 76 | 14997 | 2.701 | ug/L | 99 |
| 15) Methyl Acetate | 2.936 | 43 | 5741 | 2.198 | ug/L # | 72 |
| 16) Methylene chloride | 3.020 | 84 | 6833 | 2.750 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 3.325 | 96 | 3271 | 1.439 | ug/L | 88 |
| 18) Methyl tert-butyl Ether | 3.332 | 73 | 16672 | 2.168 | ug/L # | 86 |
| 19) 1,1-Dichloroethane | 3.833 | 63 | 9900 | 2.261 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 4.634 | 96 | 5964 | 2.280 | ug/L | 99 |
| 22) 2-Butanone | 4.644 | 43 | 75 | 0.031 | ug/L # | 39 |
| 23) Bromochloromethane | 4.949 | 128 | 3195 | 2.376 | ug/L | 95 |
| 25) Chloroform | 5.055 | 83 | 12202 | 2.574 | ug/L | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063728.D
Acq On : 17 Nov 2025 15:32
Operator : MD/SY
Sample : Q3589-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Quant Time: Nov 18 02:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:55:44 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.769 | 62 | 7379 | 1.907 | ug/L | # | 94 |
| 29) Cyclohexane | 5.351 | 56 | 9333 | 2.368 | ug/L | | 97 |
| 30) 1,1,1-Trichloroethane | 5.283 | 97 | 8918 | 2.230 | ug/L | | 97 |
| 31) Carbon tetrachloride | 5.492 | 117 | 6451 | 2.051 | ug/L | | 97 |
| 33) Benzene | 5.743 | 78 | 19820 | 2.075 | ug/L | | 100 |
| 34) Trichloroethene | 6.518 | 95 | 7534 | 2.736 | ug/L | | 95 |
| 35) Methylcyclohexane | 6.734 | 83 | 10404 | 2.574 | ug/L | | 88 |
| 37) 1,2-Dichloropropane | 6.763 | 63 | 5055 | 2.036 | ug/L | # | 97 |
| 38) Bromodichloromethane | 7.084 | 83 | 6941 | 2.042 | ug/L | # | 96 |
| 39) cis-1,3-Dichloropropene | 7.586 | 75 | 8251 | 2.241 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 7.772 | 43 | 16289 | 4.533 | ug/L | | 96 |
| 42) Toluene | 7.946 | 91 | 24999 | 2.371 | ug/L | | 97 |
| 44) trans-1,3-Dichloropropene | 8.187 | 75 | 6507 | 2.025 | ug/L | | 90 |
| 45) 1,1,2-Trichloroethane | 8.373 | 97 | 6199 | 2.361 | ug/L | | 91 |
| 46) Tetrachloroethene | 8.524 | 164 | 4916 | 2.334 | ug/L | | 98 |
| 48) 2-Hexanone | 8.669 | 43 | 24995 | 8.862 | ug/L | # | 96 |
| 49) Dibromochloromethane | 8.782 | 129 | 4948 | 1.952 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 8.904 | 107 | 6102 | 2.214 | ug/L | # | 91 |
| 51) Chlorobenzene | 9.422 | 112 | 17943 | 2.521 | ug/L | | 98 |
| 52) Ethylbenzene | 9.547 | 91 | 28908 | 2.361 | ug/L | | 91 |
| 53) m,p-Xylene | 9.672 | 106 | 10808 | 2.316 | ug/L | | 98 |
| 54) o-Xylene | 10.074 | 106 | 10396 | 2.287 | ug/L | | 89 |
| 55) Styrene | 10.097 | 104 | 17334 | 2.354 | ug/L | | 93 |
| 57) 1,1,2,2-Tetrachloroethane | 10.756 | 83 | 11018 | 2.577 | ug/L | # | 95 |
| 59) Bromoform | 10.267 | 173 | 3387 | 1.898 | ug/L | # | 94 |
| 60) 1,2,3-Trichloropropane | 10.794 | 75 | 8528 | 2.486 | ug/L | | 97 |
| 61) Isopropylbenzene | 10.460 | 105 | 26720 | 2.254 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.065 | 105 | 21709 | 2.226 | ug/L | | 97 |
| 63) 1,2,4-Trimethylbenzene | 11.447 | 105 | 21018 | 2.258 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 11.724 | 146 | 14226 | 2.676 | ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 11.814 | 146 | 16568 | 3.043 | ug/L | | 96 |
| 67) 1,2-Dichlorobenzene | 12.187 | 146 | 13498 | 2.619 | ug/L | | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 12.971 | 75 | 1771 | 2.091 | ug/L | | 96 |
| 69) 1,3,5-Trichlorobenzene | 13.200 | 180 | 9534 | 2.654 | ug/L | | 97 |
| 70) 1,2,4-trichlorobenzene | 13.817 | 180 | 9491 | 3.168 | ug/L | | 93 |
| 71) Naphthalene | 14.068 | 128 | 32697 | 4.102 | ug/L | | 96 |
| 72) 1,2,3-Trichlorobenzene | 14.309 | 180 | 9494 | 3.344 | ug/L | | 98 |

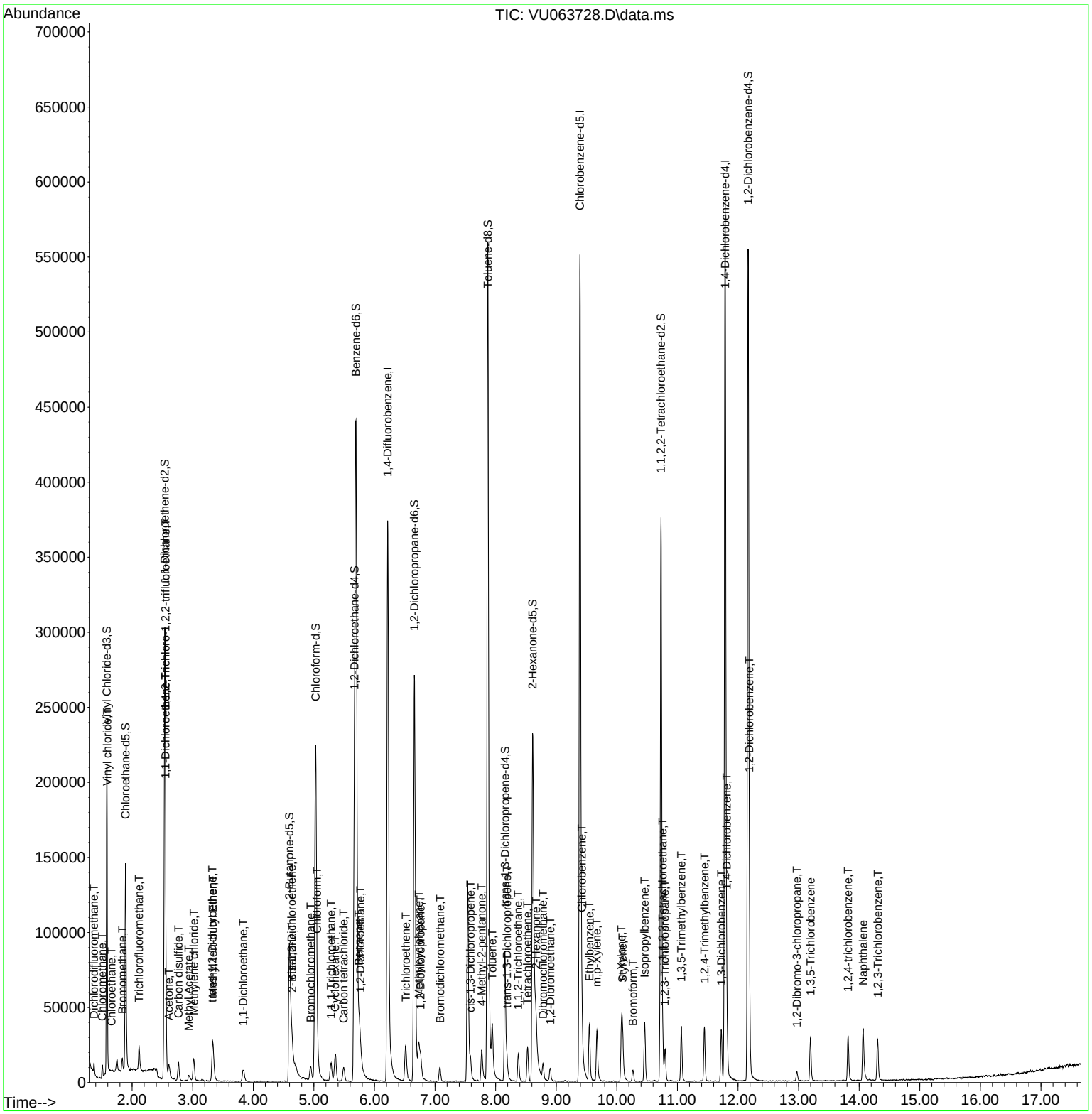
(#) = qualifier out of range (m) = manual integration (+) = signals summed

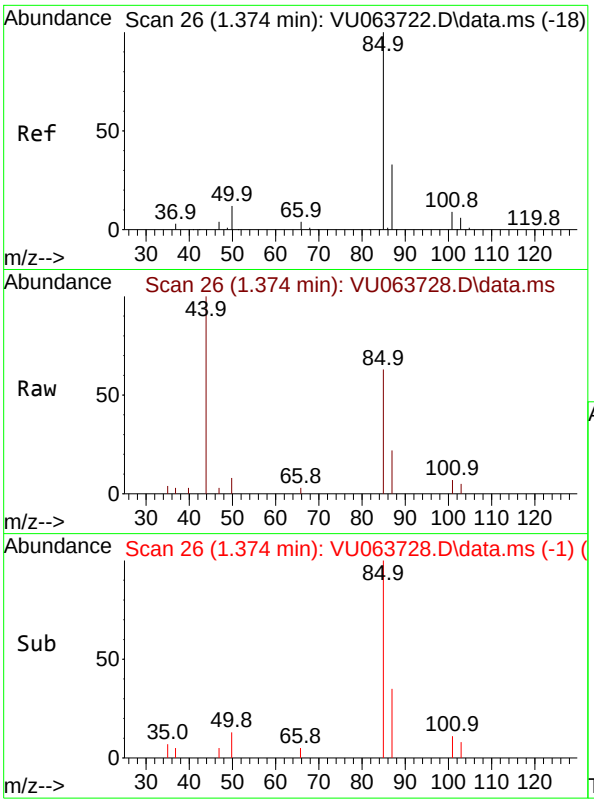
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
Data File : VU063728.D
Acq On : 17 Nov 2025 15:32
Operator : MD/SY
Sample : Q3589-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Quant Time: Nov 18 02:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 18 01:55:44 2025
Response via : Initial Calibration



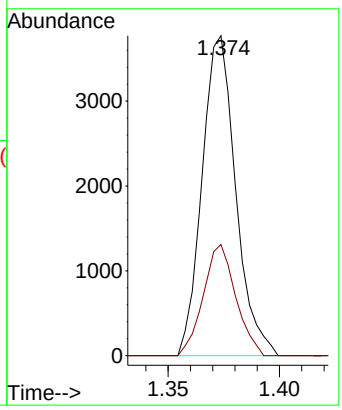


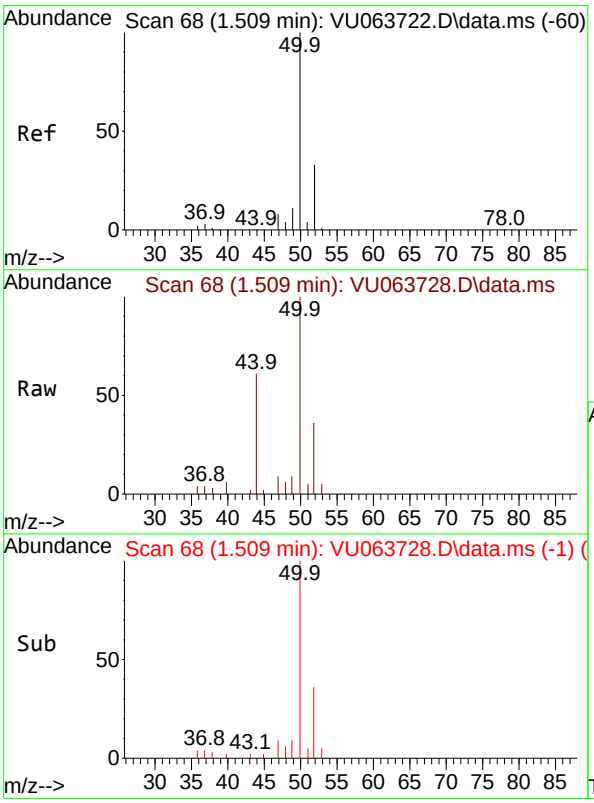

#2
Dichlorodifluoromethane
Concen: 2.082 ug/L
RT: 1.374 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 85 Resp: 3957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.6 | 26.2 | 39.2 |

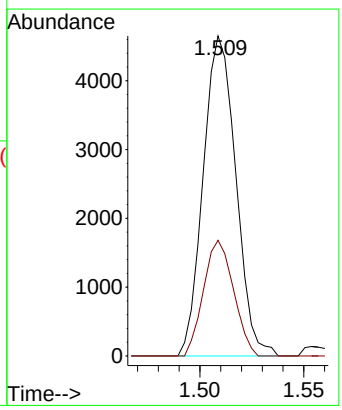


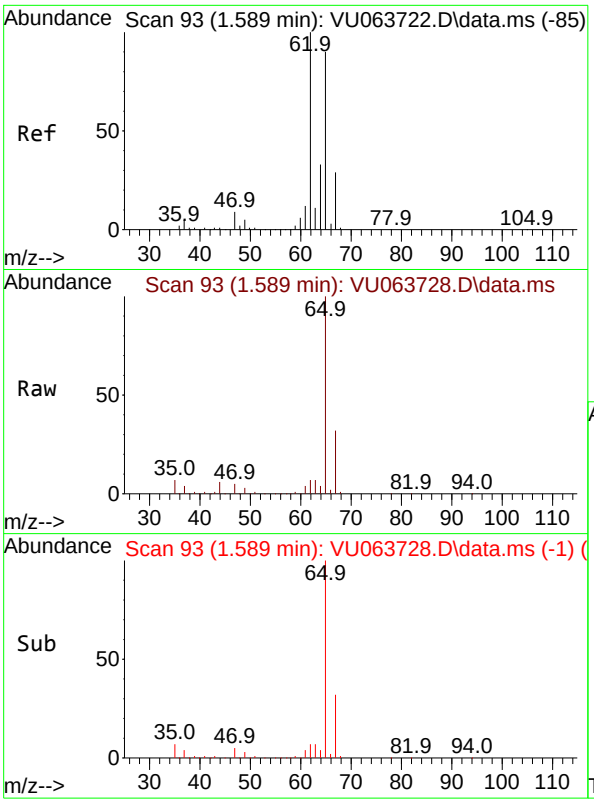




#3
Chloromethane
Concen: 2.359 ug/L
RT: 1.509 min Scan# 68
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 50 Resp: 5071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.1 | 23.2 | 43.2 |



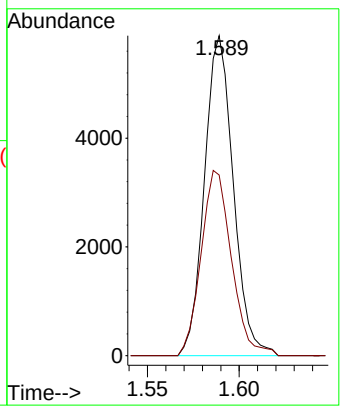


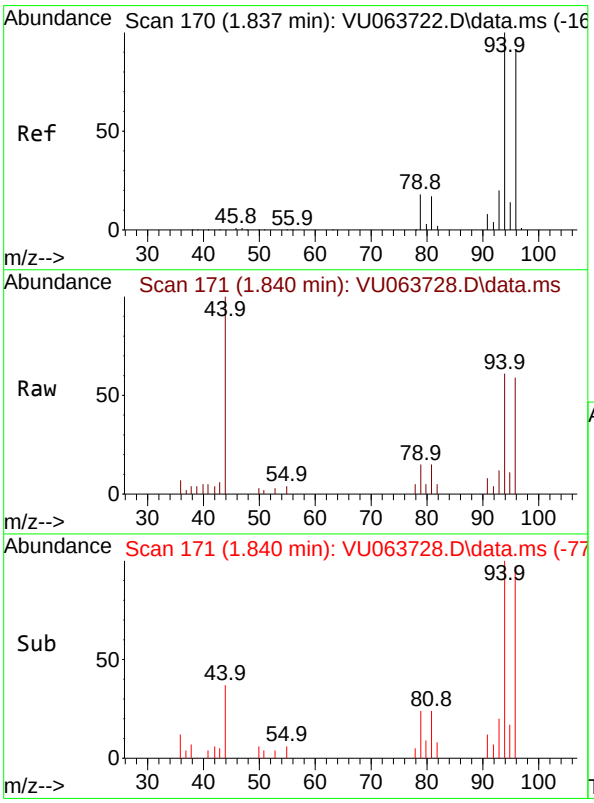

#5
Vinyl chloride
Concen: 2.575 ug/L
RT: 1.589 min Scan# 9
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 62 Resp: 6437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 56.5 | 23.2 | 43.2# |

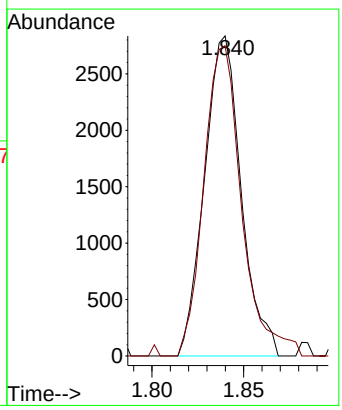


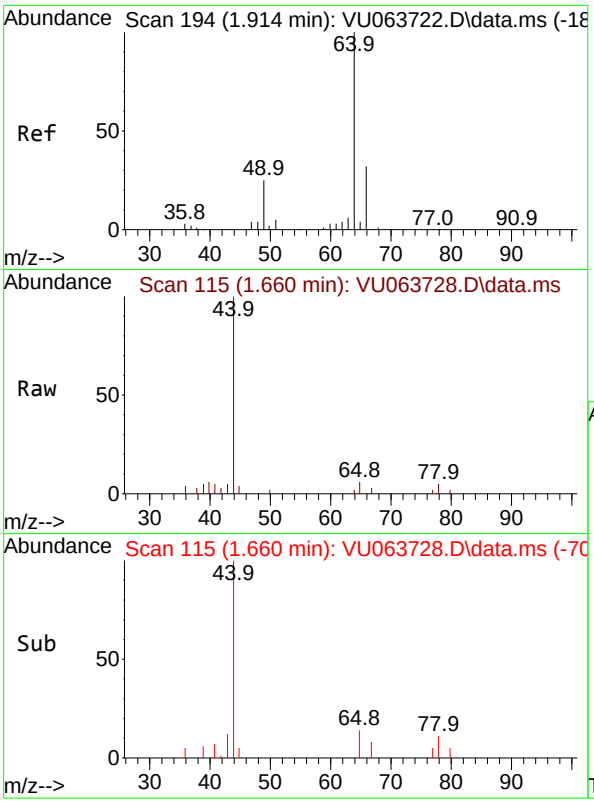




#6
Bromomethane
Concen: 2.490 ug/L
RT: 1.840 min Scan# 171
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 94 Resp: 3945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.9 | 63.8 | 118.4 |



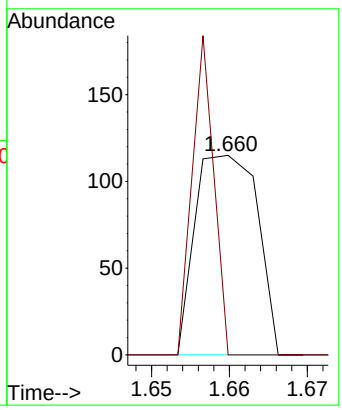


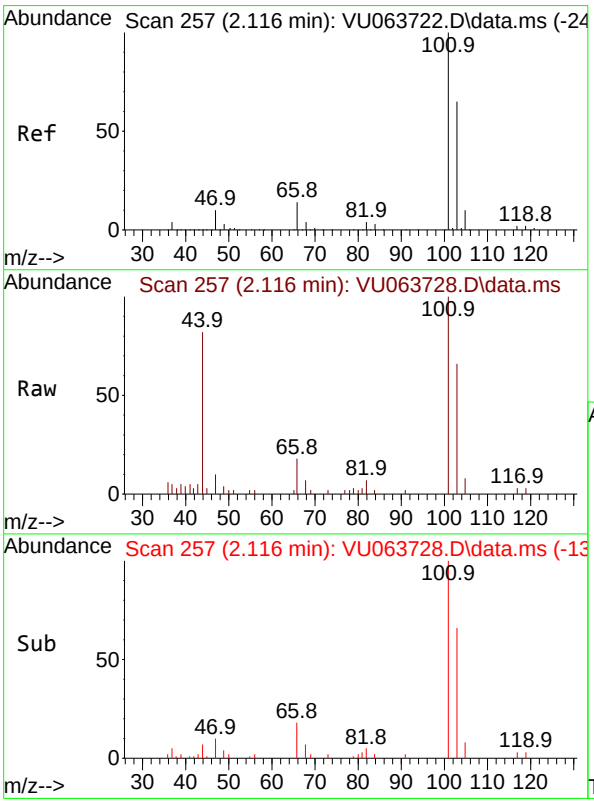

#8
Chloroethane
Concen: 0.038 ug/L
RT: 1.660 min Scan# 1
Delta R.T. -0.254 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 64 Resp: 64

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 39.8 | 22.4 | 41.6 |

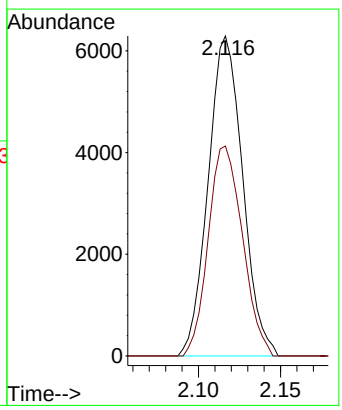


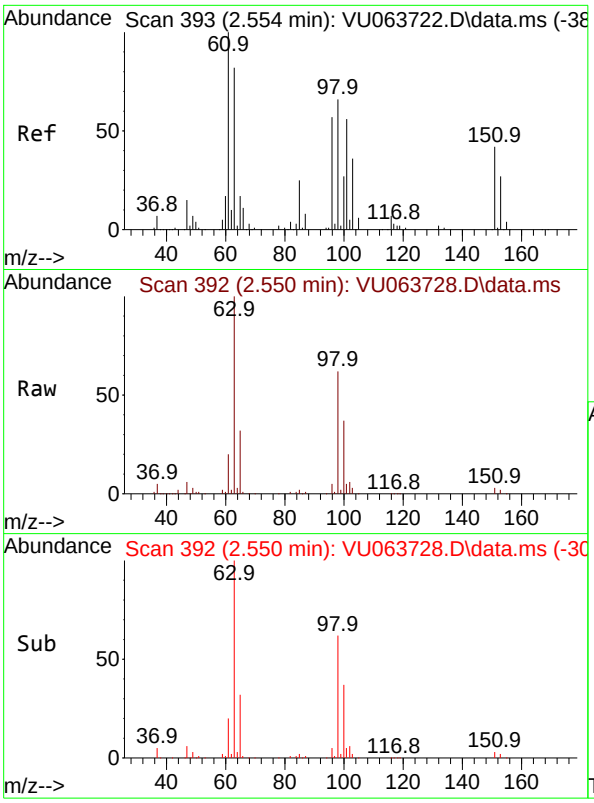




#9
Trichlorofluoromethane
Concen: 2.332 ug/L
RT: 2.116 min Scan# 257
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:101 Resp: 9196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.1 | 52.0 | 78.0 |



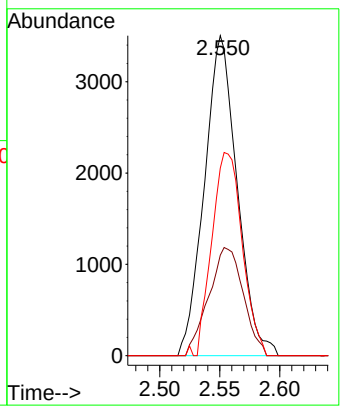


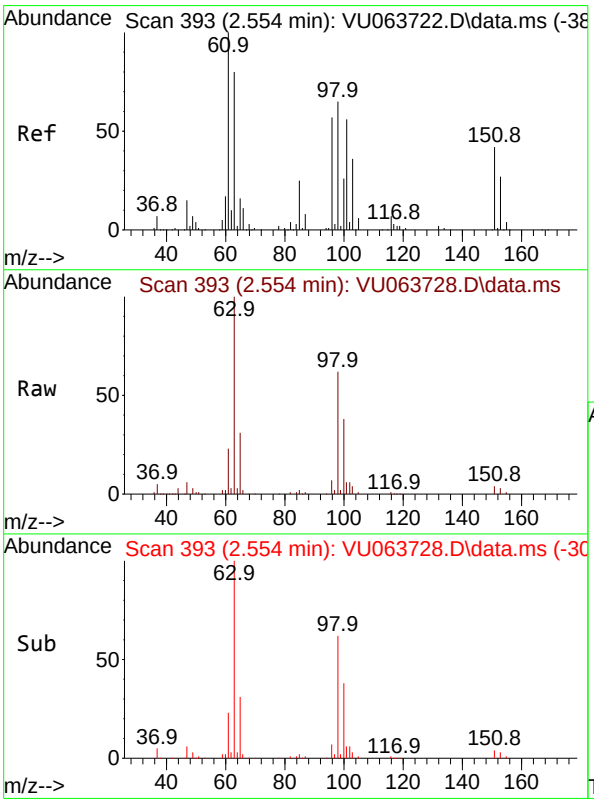

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.853 ug/L
RT: 2.550 min Scan# 3
Delta R.T. -0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:101 Resp: 6648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 35.7 | 36.3 | 54.5# |
| 151 | 58.8 | 60.1 | 90.1# |

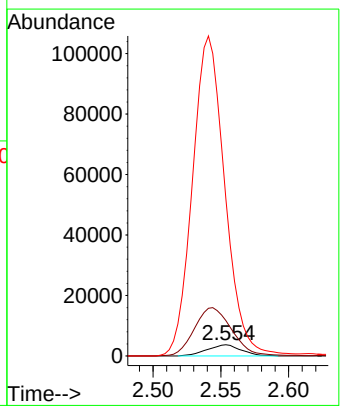


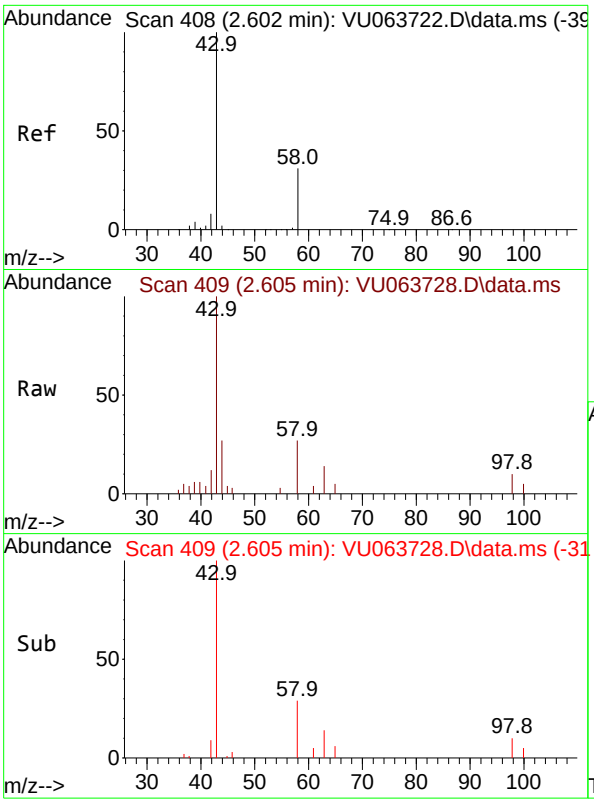




#12
1,1-Dichloroethene
Concen: 3.042 ug/L
RT: 2.554 min Scan# 393
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 96 Resp: 6483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 315.0 | 123.3 | 228.9# |
| 63 | 1398.2 | 103.3 | 191.8# |



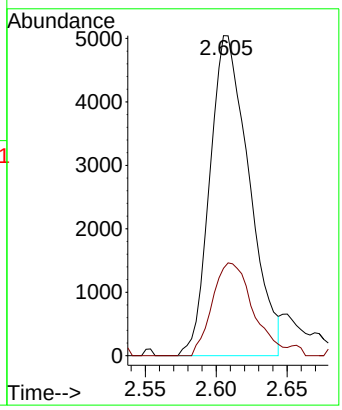


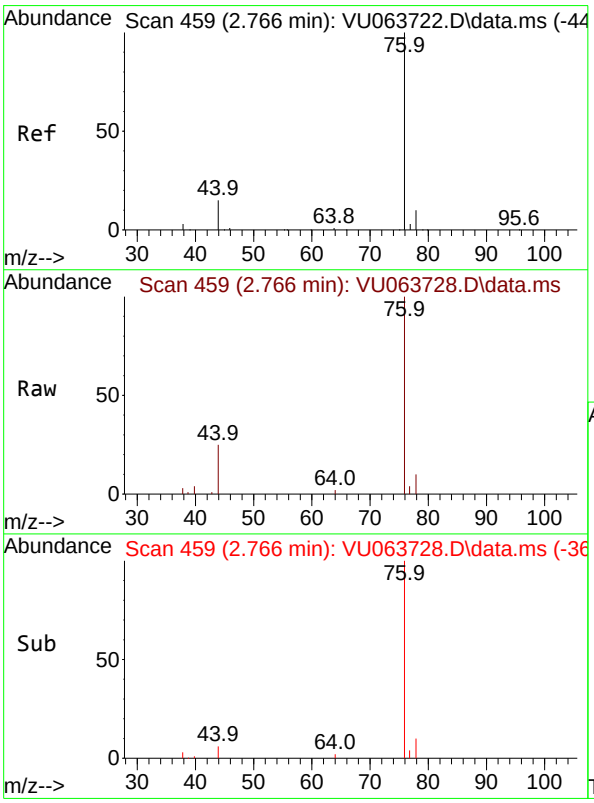

#13
Acetone
Concen: 4.470 ug/L
RT: 2.605 min Scan# 4
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 9725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.1 | 0.0 | 63.4 |

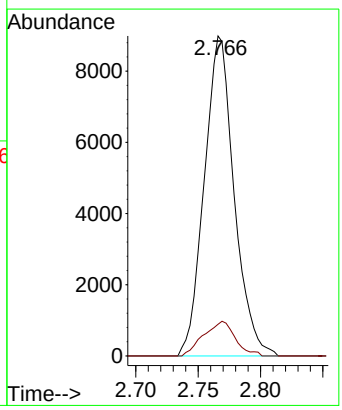


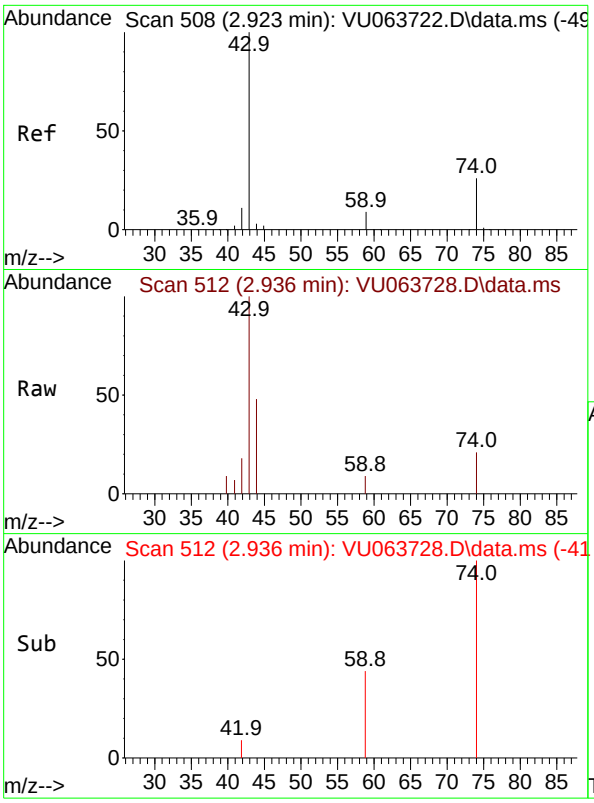




#14
Carbon disulfide
Concen: 2.701 ug/L
RT: 2.766 min Scan# 459
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 76 Resp: 14997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.9 | 7.8 | 11.6 |



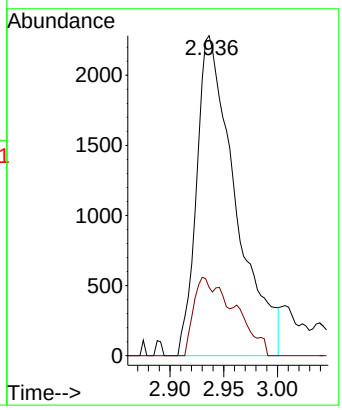


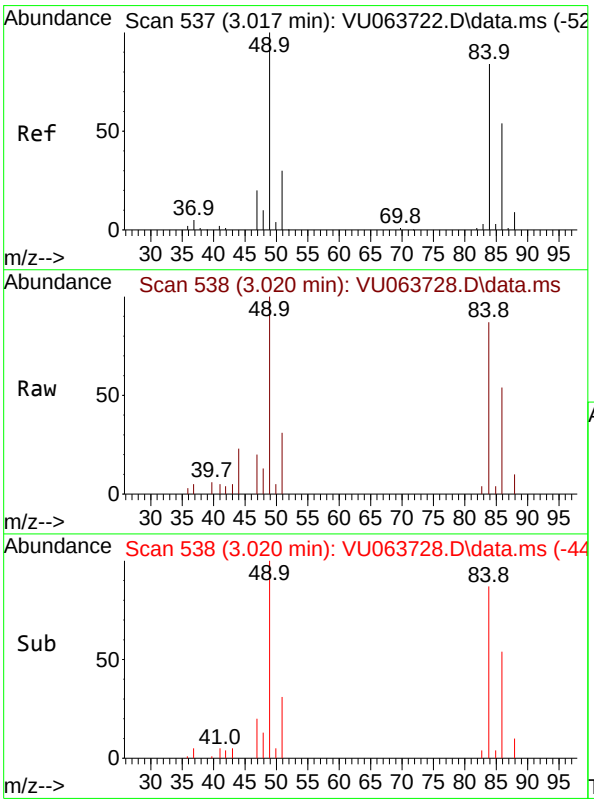

#15
Methyl Acetate
Concen: 2.198 ug/L
RT: 2.936 min Scan# 5
Delta R.T. 0.013 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 5741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 11.4 | 20.5 | 30.7# |

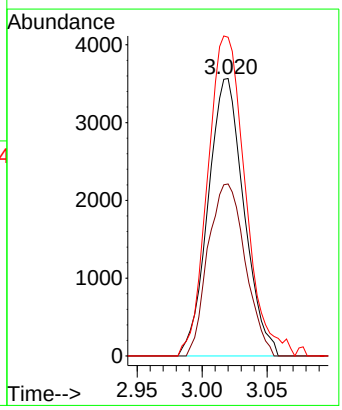


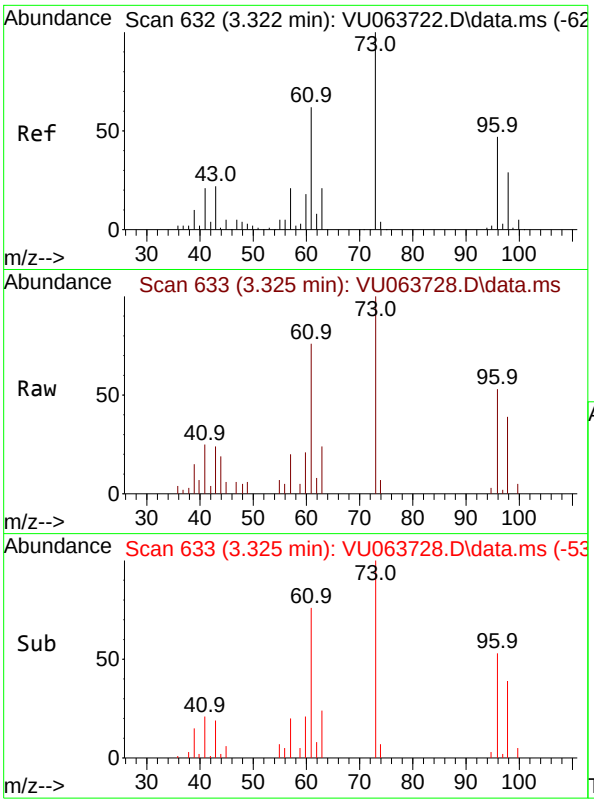




#16
Methylene chloride
Concen: 2.750 ug/L
RT: 3.020 min Scan# 538
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 84 Resp: 6833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.0 | 45.2 | 84.0 |
| 49 | 114.9 | 83.6 | 155.2 |



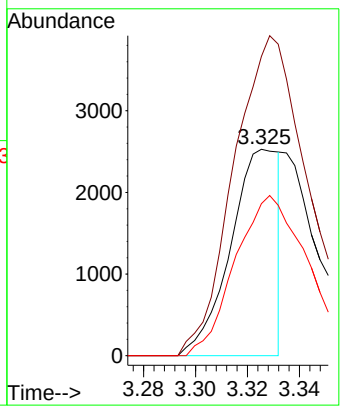


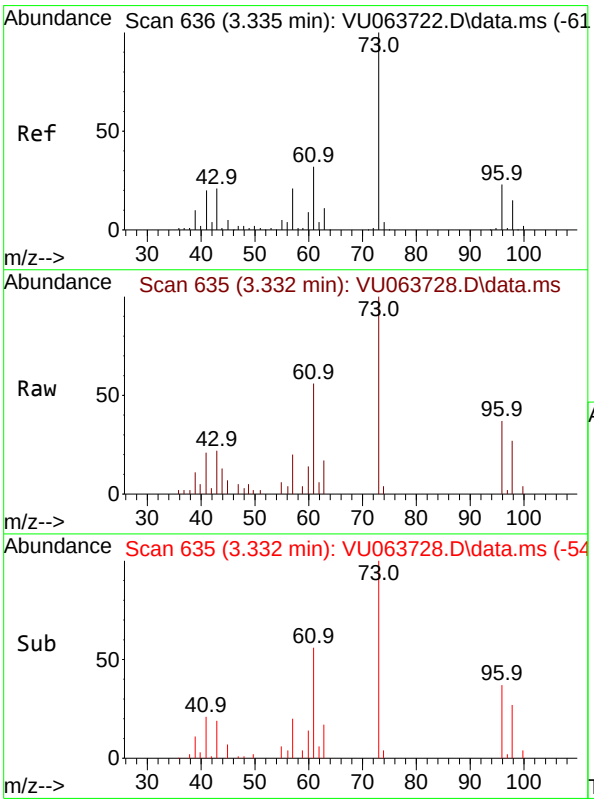

#17
trans-1,2-Dichloroethene
Concen: 1.439 ug/L
RT: 3.325 min Scan# 6
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 96 Resp: 3271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.9 | 92.7 | 172.1 |
| 98 | 73.6 | 43.2 | 80.2 |

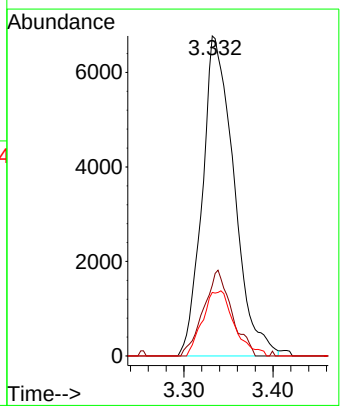


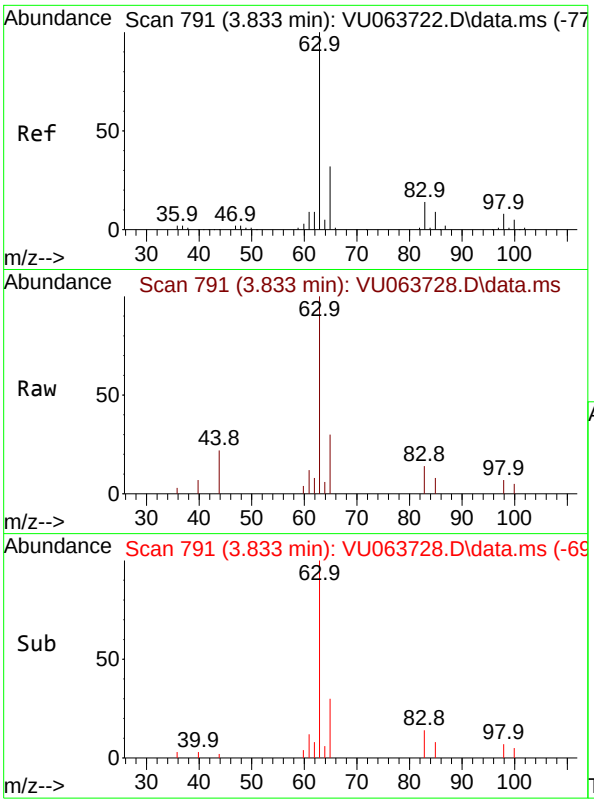




#18
Methyl tert-butyl Ether
Concen: 2.168 ug/L
RT: 3.332 min Scan# 635
Delta R.T. -0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 73 Resp: 16672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 22.4 | 16.6 | 24.8 |
| 57 | 8.9 | 16.3 | 24.5# |



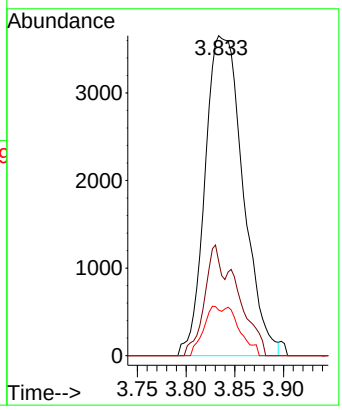


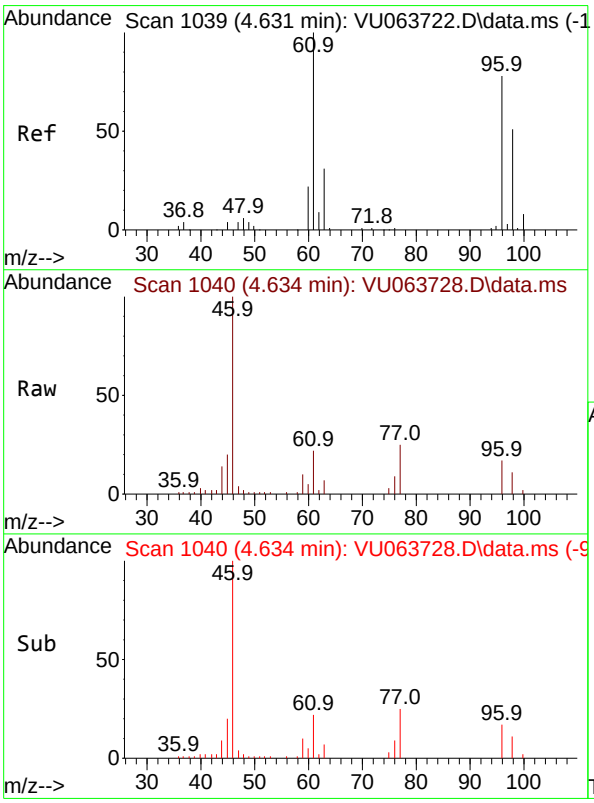

#19
1,1-Dichloroethane
Concen: 2.261 ug/L
RT: 3.833 min Scan# 7
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 63 Resp: 9900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.5 | 22.0 | 41.0 |
| 83 | 14.3 | 9.5 | 17.7 |

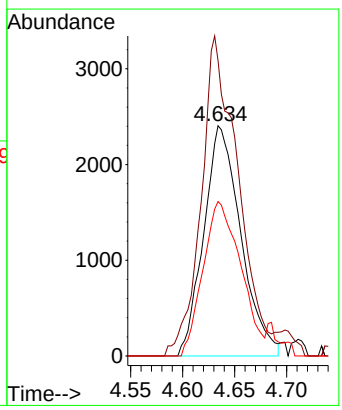


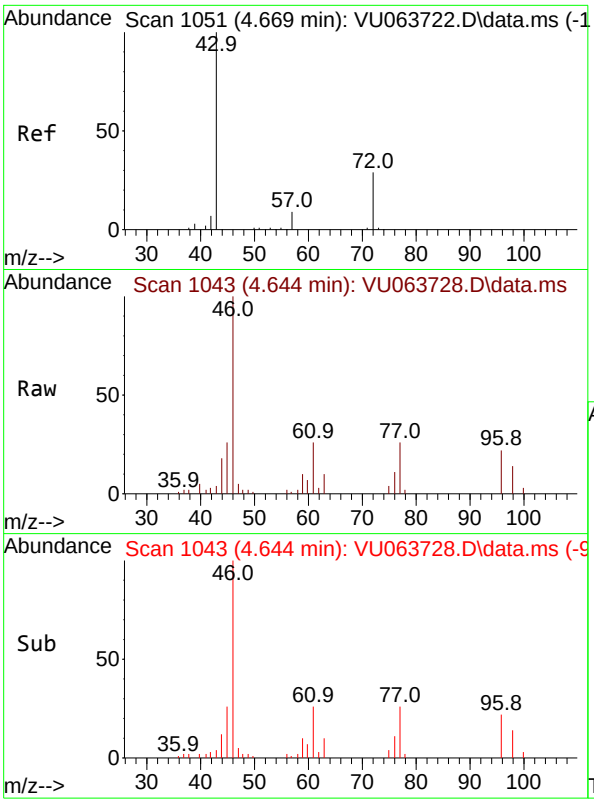




#20
cis-1,2-Dichloroethene
Concen: 2.280 ug/L
RT: 4.634 min Scan# 1040
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 96 Resp: 5964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 128.3 | 90.3 | 167.7 |
| 98 | 67.1 | 46.3 | 86.1 |



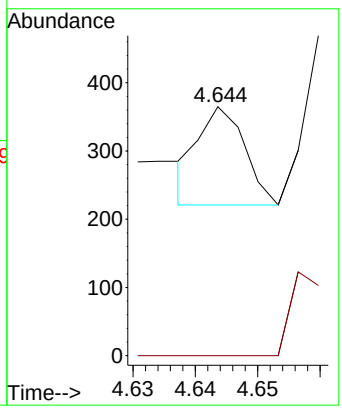


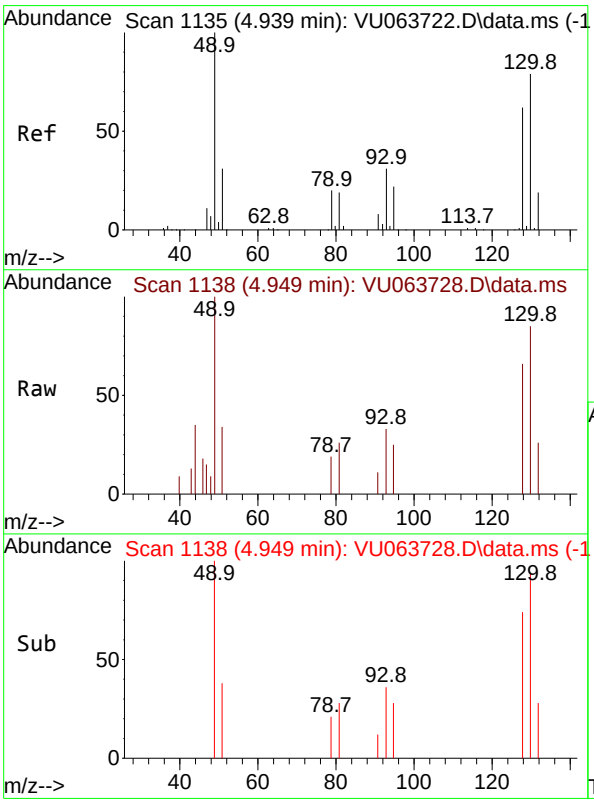

#22
2-Butanone
Concen: 0.031 ug/L
RT: 4.644 min Scan# 1
Delta R.T. -0.026 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 75

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 58.7 | 13.6 | 40.7# |

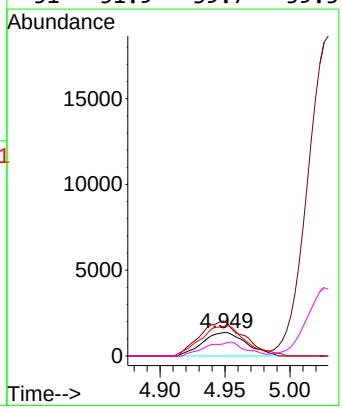


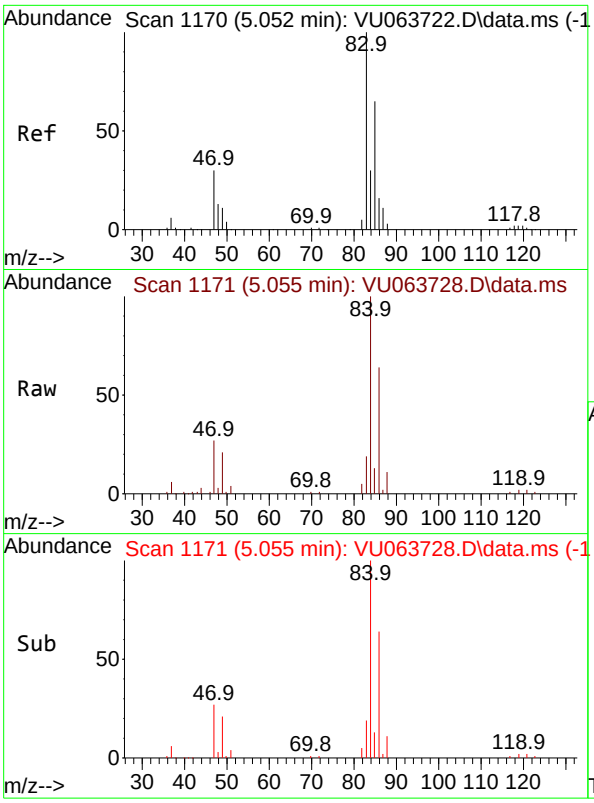




#23
Bromochloromethane
Concen: 2.376 ug/L
RT: 4.949 min Scan# 1138
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:128 Resp: 3195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 150.5 | 113.5 | 210.7 |
| 130 | 127.7 | 89.8 | 166.8 |
| 51 | 51.9 | 39.7 | 59.5 |



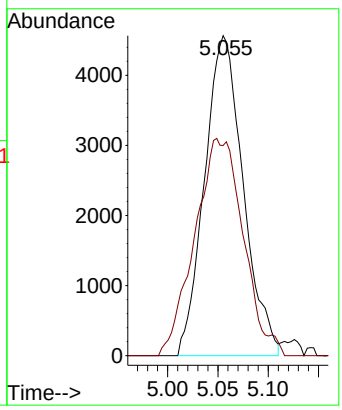


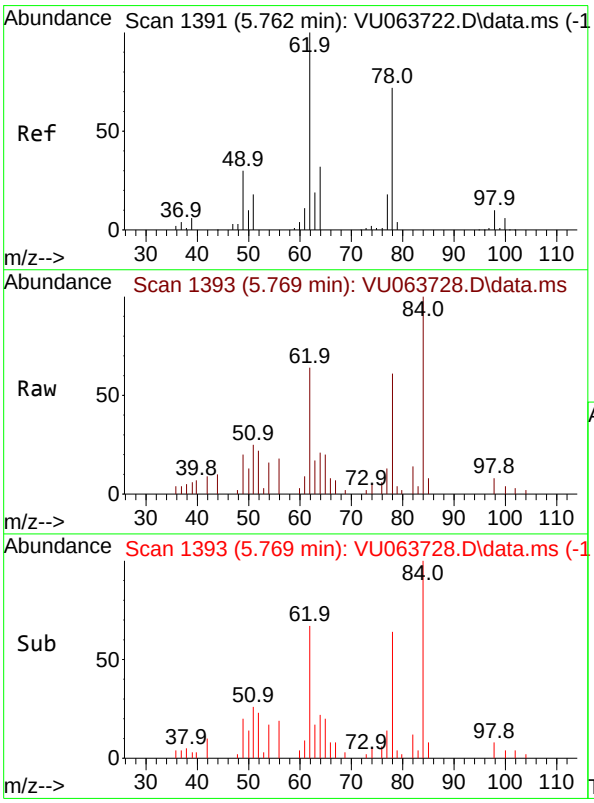

#25
Chloroform
Concen: 2.574 ug/L
RT: 5.055 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 83 Resp: 12202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 45.4 | 84.4 |

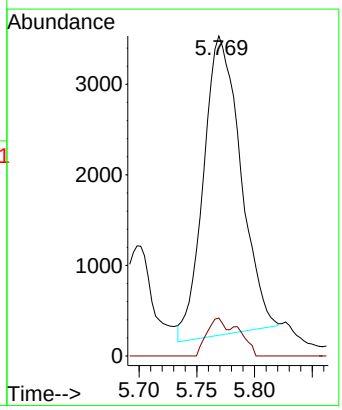


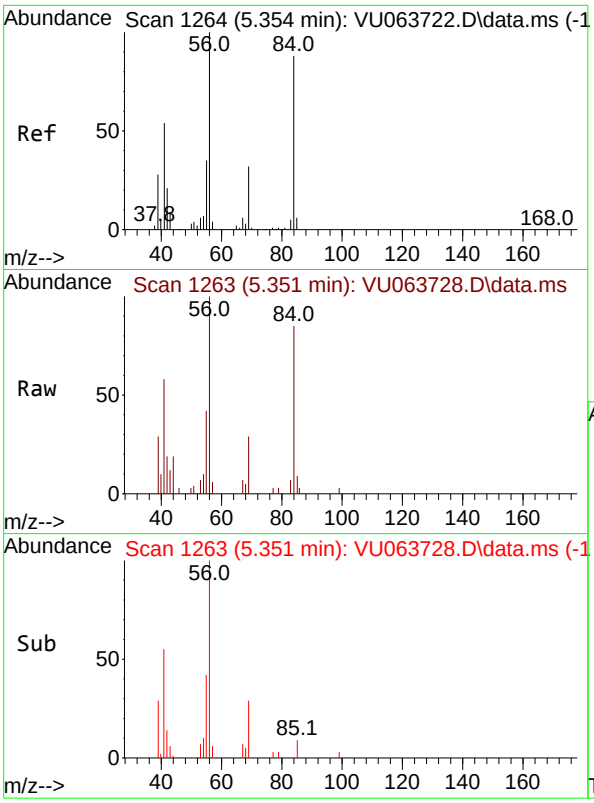




#27
1,2-Dichloroethane
Concen: 1.907 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.007 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 62 Resp: 7379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 11.9 | 7.6 | 11.4# |



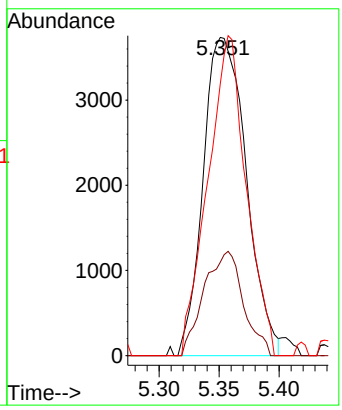


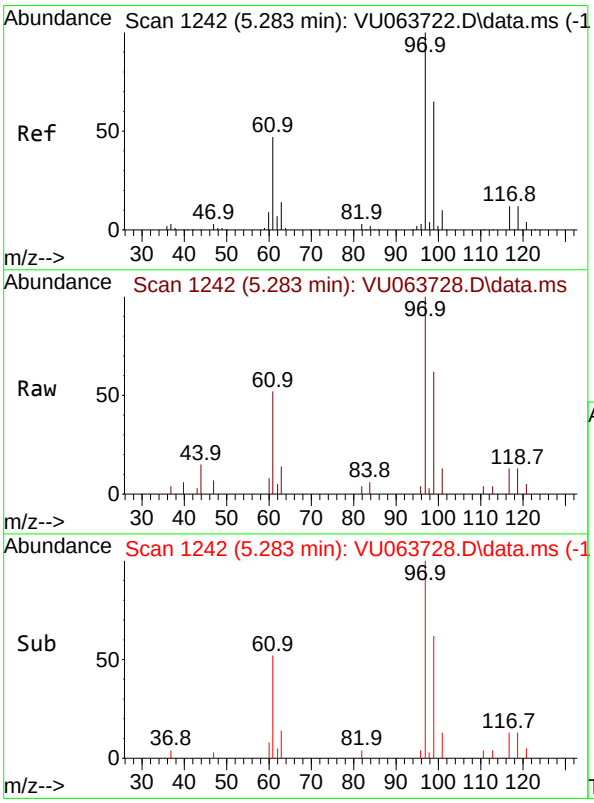

#29
Cyclohexane
Concen: 2.368 ug/L
RT: 5.351 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 56 Resp: 9333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.0 | 25.8 | 38.8 |
| 84 | 89.4 | 69.3 | 103.9 |

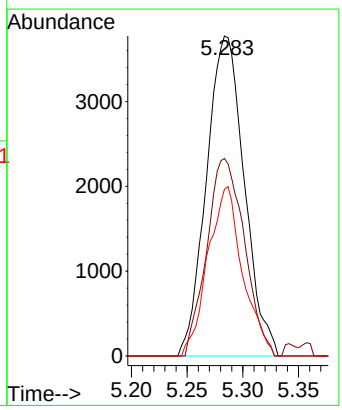


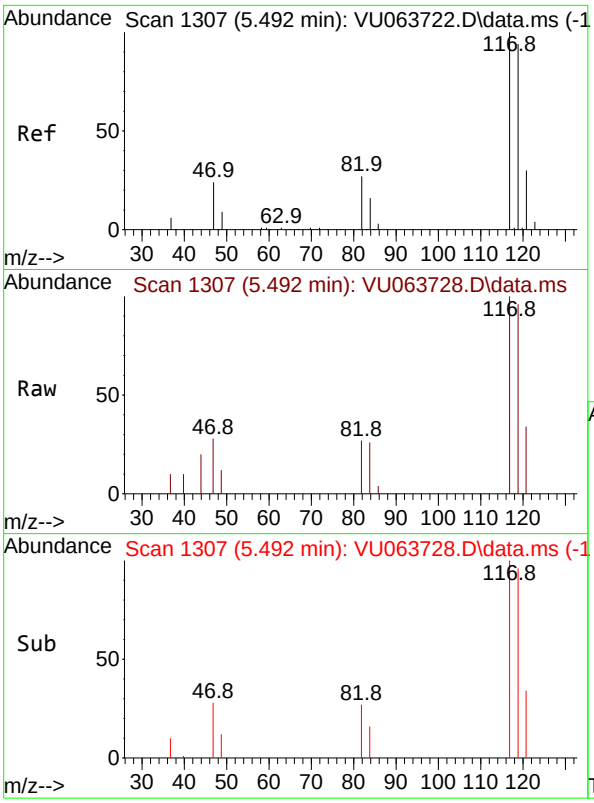




#30
1,1,1-Trichloroethane
Concen: 2.230 ug/L
RT: 5.283 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 97 Resp: 8918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 61.3 | 50.7 | 76.1 |
| 61 | 48.6 | 37.2 | 55.8 |



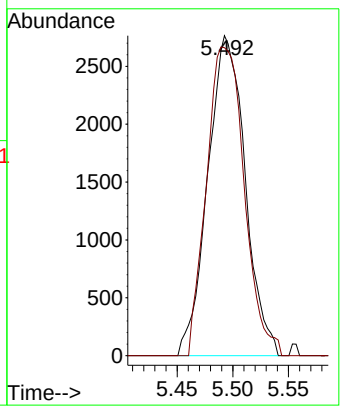


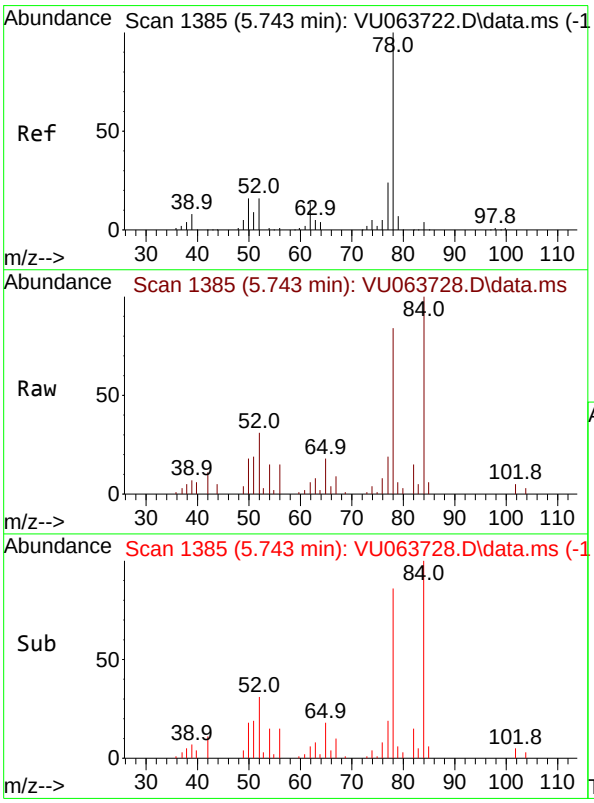

#31
Carbon tetrachloride
Concen: 2.051 ug/L
RT: 5.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:117 Resp: 6451

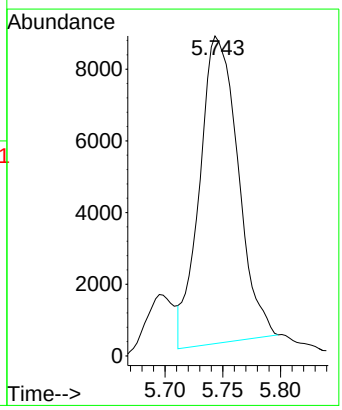
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.5 | 76.0 | 114.0 |

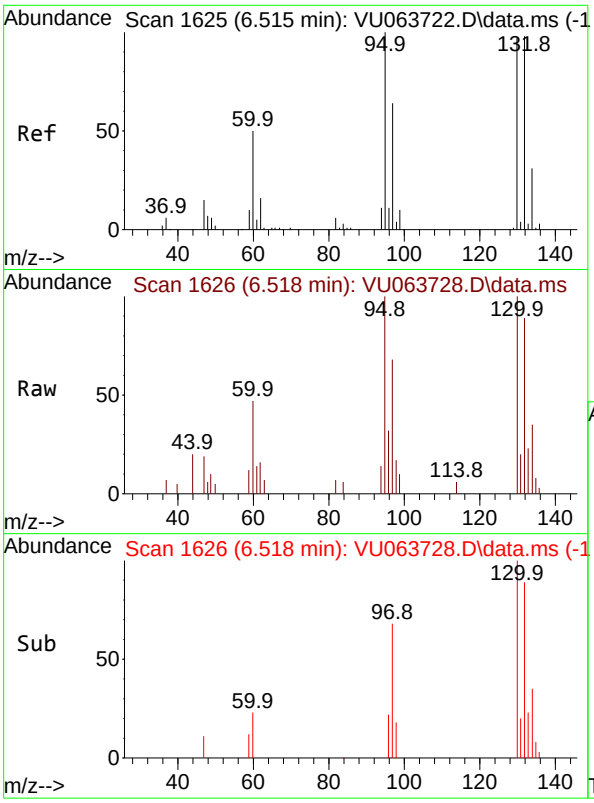



#33
Benzene
Concen: 2.075 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 78 Resp: 19820



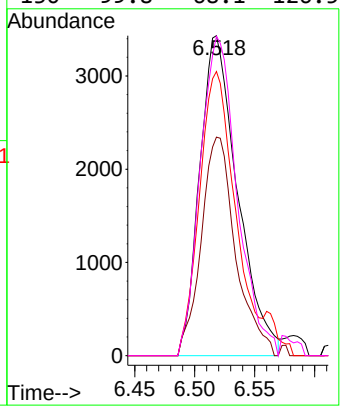


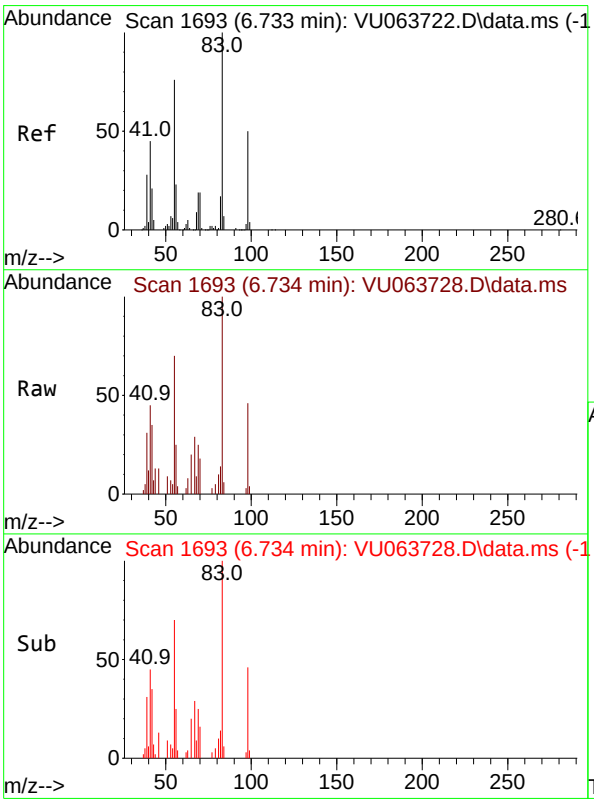

#34
Trichloroethene
Concen: 2.736 ug/L
RT: 6.518 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 95 Resp: 7534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 68.3 | 45.1 | 83.9 |
| 132 | 88.8 | 68.3 | 126.8 |
| 130 | 99.8 | 68.1 | 126.5 |

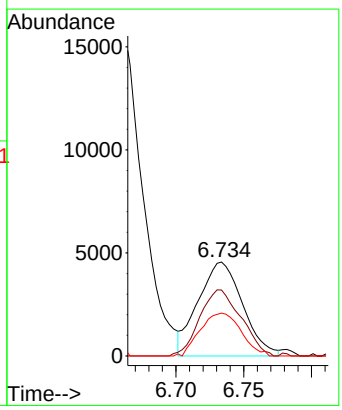


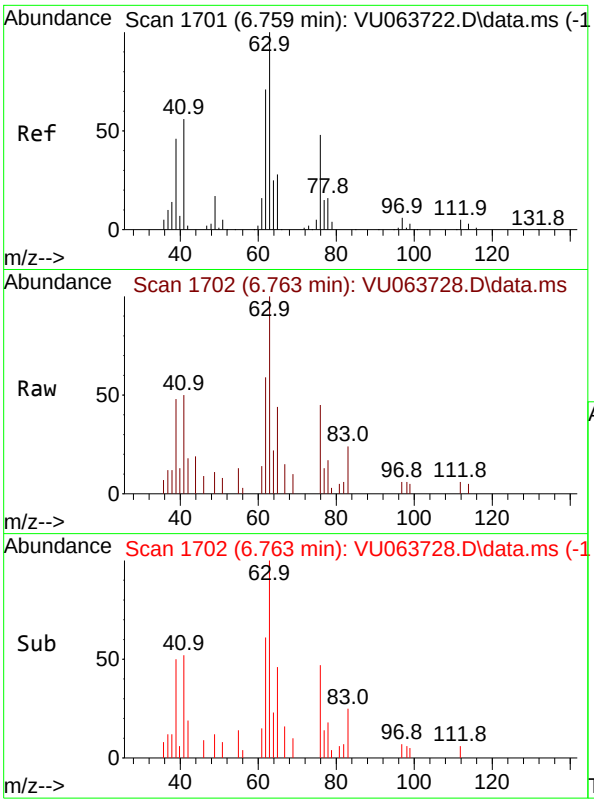




#35
Methylcyclohexane
Concen: 2.574 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 83 Resp: 10404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 65.1 | 60.9 | 91.3 |
| 98 | 41.6 | 39.7 | 59.5 |



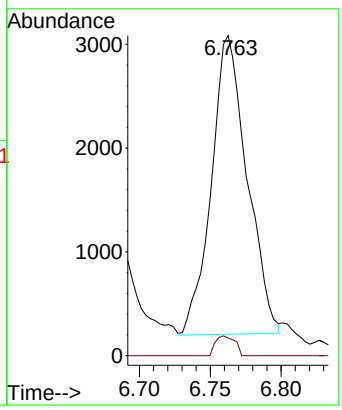


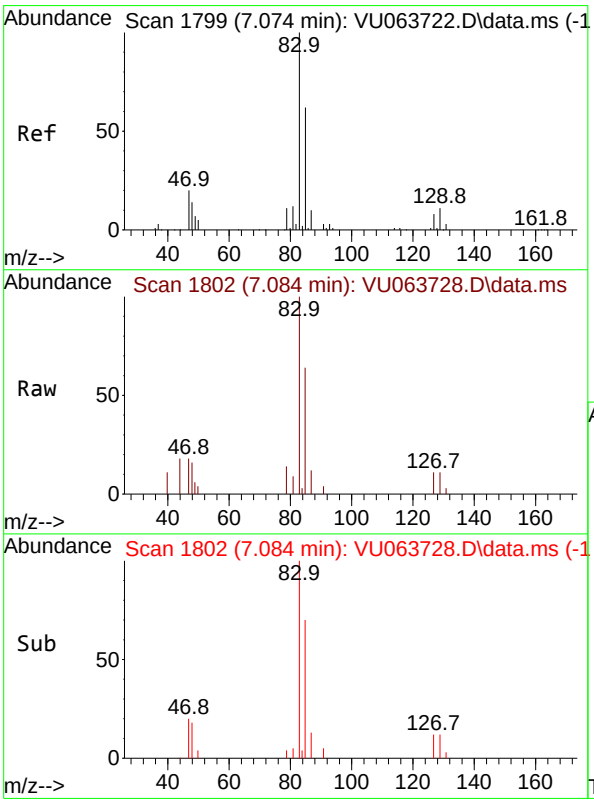

#37
1,2-Dichloropropane
Concen: 2.036 ug/L
RT: 6.763 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 63 Resp: 5055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 3.6 | 3.7 | 5.5# |

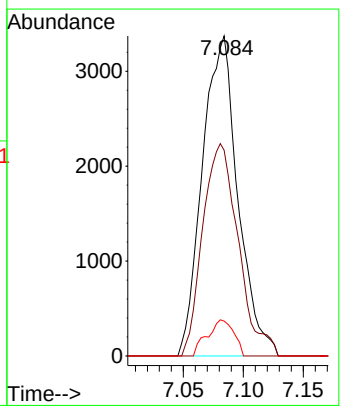


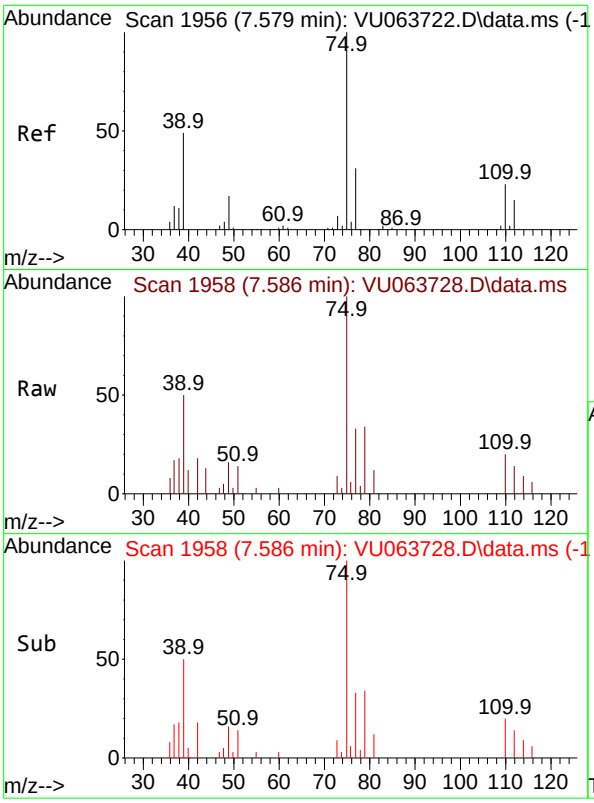




#38
Bromodichloromethane
Concen: 2.042 ug/L
RT: 7.084 min Scan# 1802
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 83 Resp: 6941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 43.1 | 80.1 |
| 127 | 10.9 | 6.6 | 10.0# |



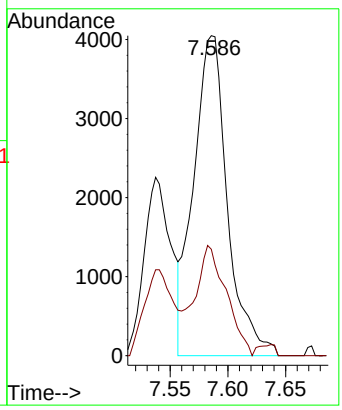


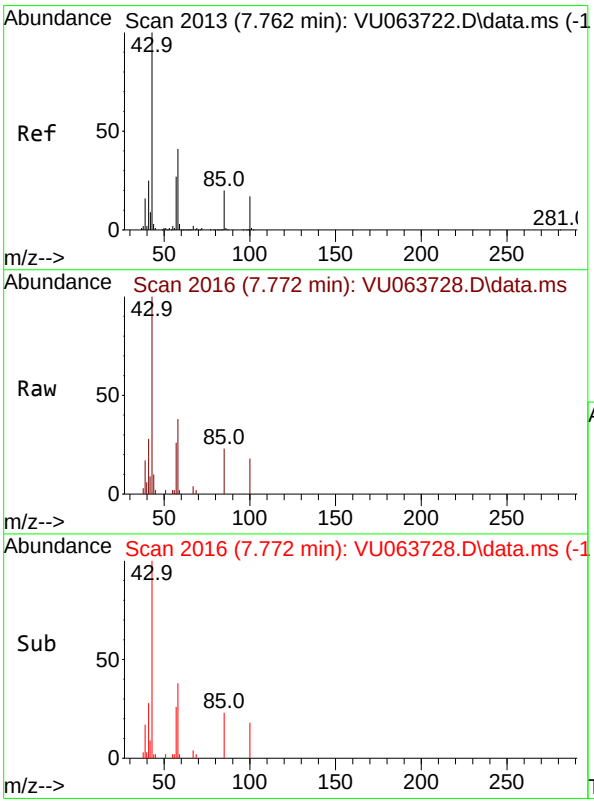

#39
cis-1,3-Dichloropropene
Concen: 2.241 ug/L
RT: 7.586 min Scan# 1
Delta R.T. 0.007 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 75 Resp: 8251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 22.1 | 41.1 |

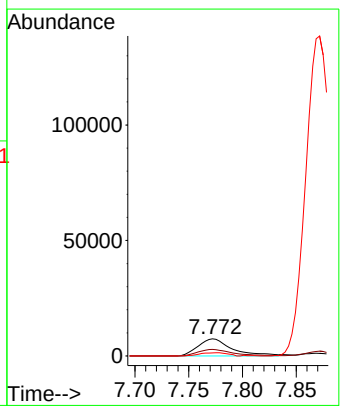


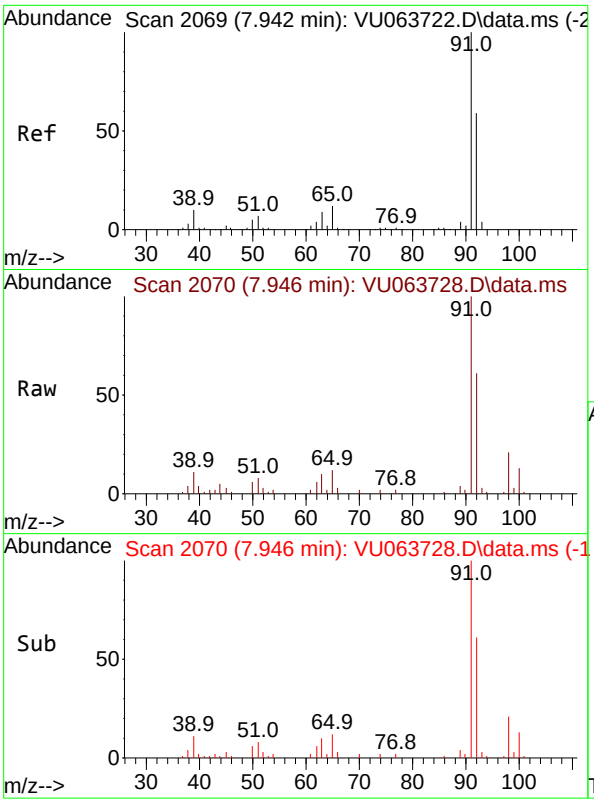




#40
4-Methyl-2-pentanone
Concen: 4.533 ug/L
RT: 7.772 min Scan# 2016
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 43 Resp: 16289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 32.9 | 49.3 |
| 100 | 15.2 | 13.9 | 20.9 |



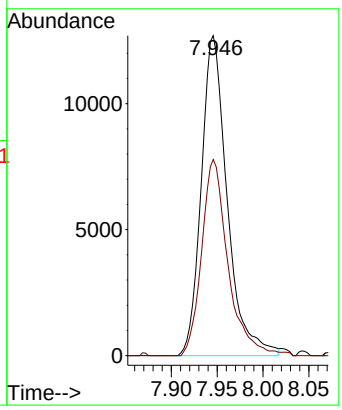


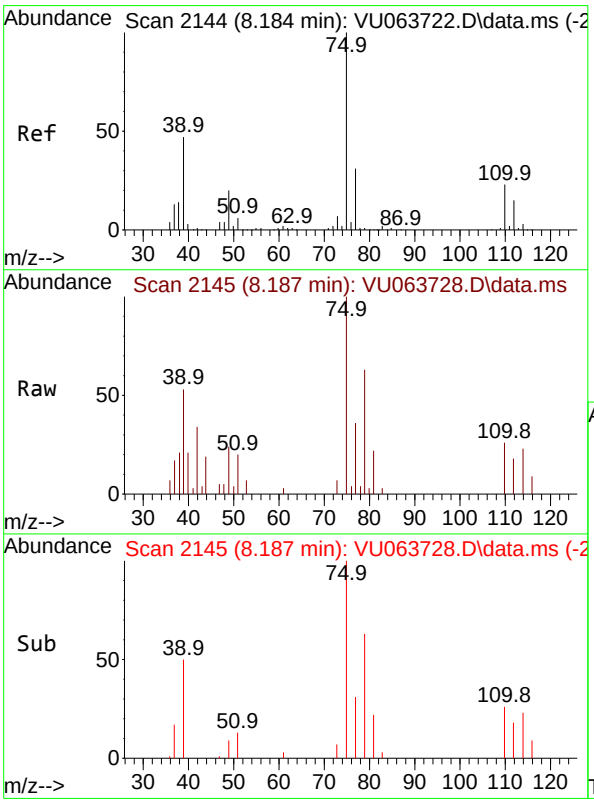

#42
Toluene
Concen: 2.371 ug/L
RT: 7.946 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 91 Resp: 24999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 61.3 | 41.2 | 76.4 |

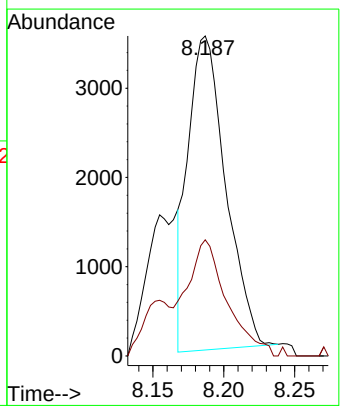


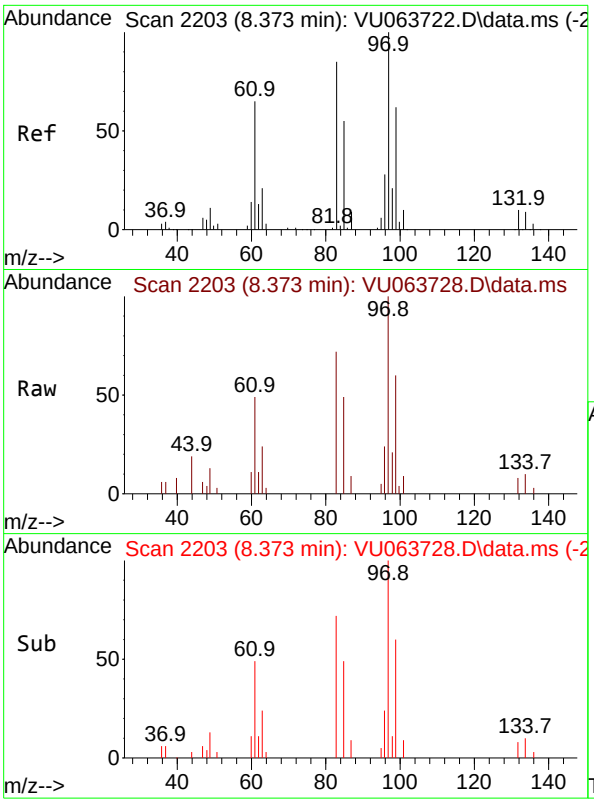




#44
trans-1,3-Dichloropropene
Concen: 2.025 ug/L
RT: 8.187 min Scan# 2145
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 75 Resp: 6507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.3 | 21.4 | 39.8 |



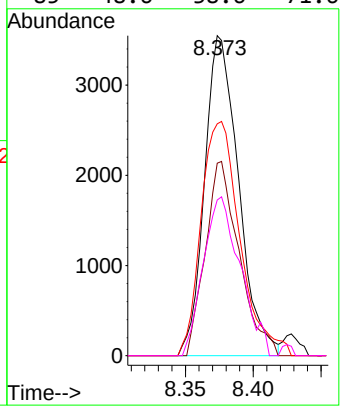


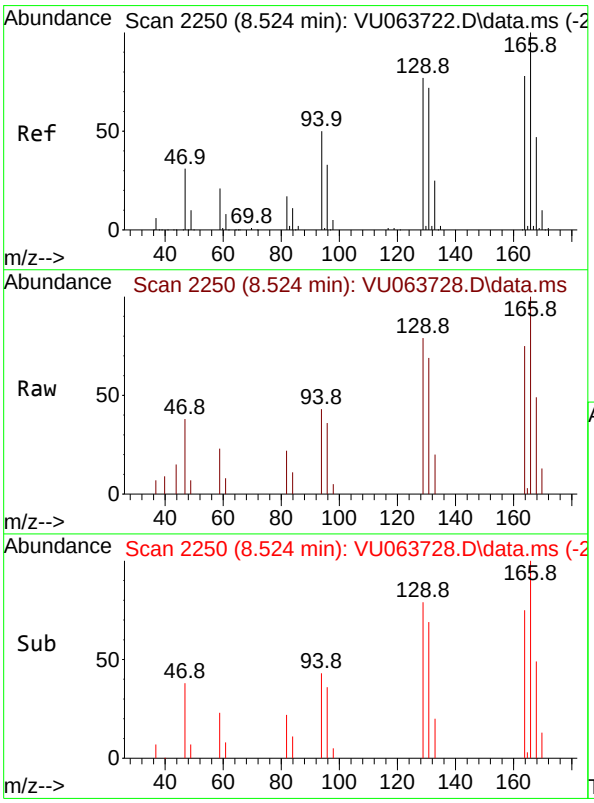

#45
1,1,2-Trichloroethane
Concen: 2.361 ug/L
RT: 8.373 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 97 Resp: 6199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.9 | 43.7 | 81.1 |
| 83 | 72.4 | 59.7 | 110.9 |
| 85 | 48.6 | 38.6 | 71.6 |

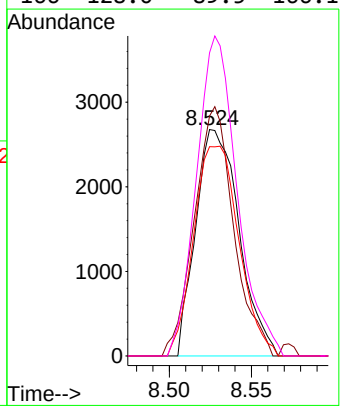


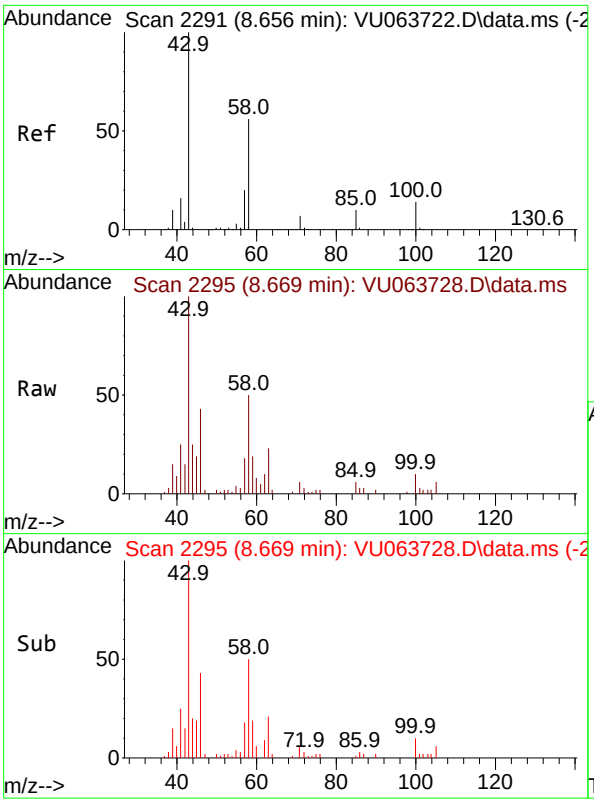




#46
Tetrachloroethene
Concen: 2.334 ug/L
RT: 8.524 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:164 Resp: 4916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 101.3 | 68.5 | 127.3 |
| 131 | 88.3 | 64.3 | 119.3 |
| 166 | 128.0 | 89.5 | 166.1 |



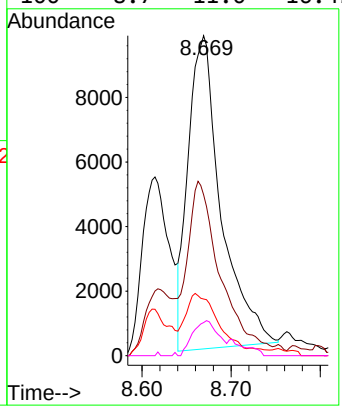


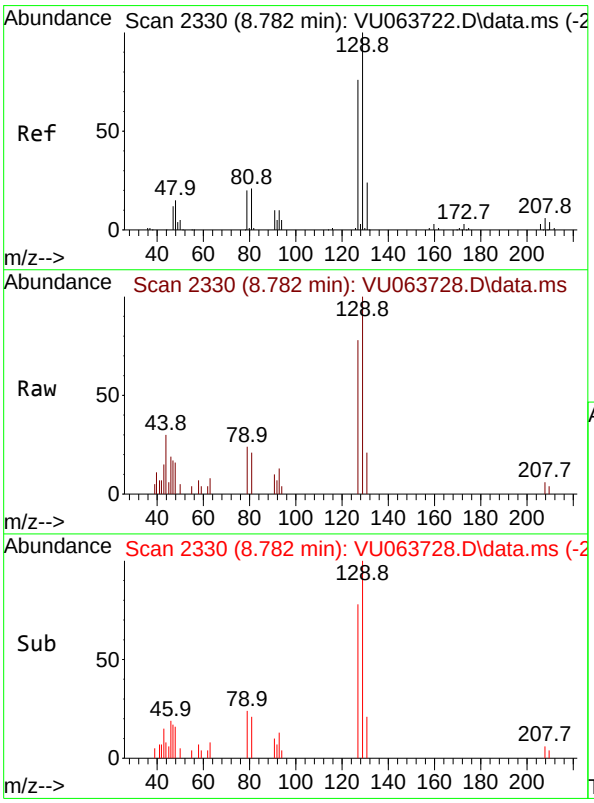

#48
2-Hexanone
Concen: 8.862 ug/L
RT: 8.669 min Scan# 2
Delta R.T. 0.013 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 24995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.2 | 44.8 | 67.2 |
| 57 | 17.3 | 16.6 | 24.8 |
| 100 | 8.7 | 11.0 | 16.4# |

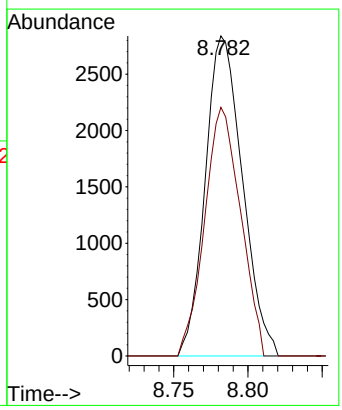


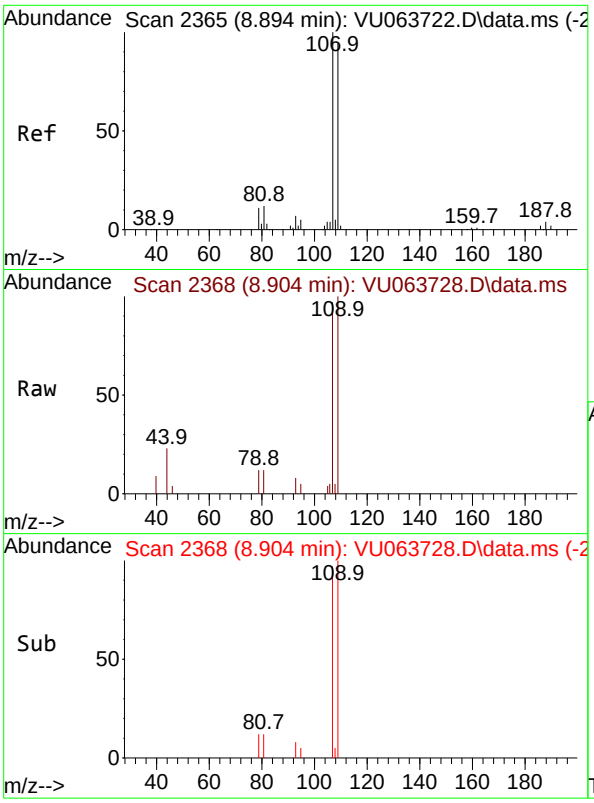




#49
Dibromochloromethane
Concen: 1.952 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:129 Resp: 4948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 53.4 | 99.2 |



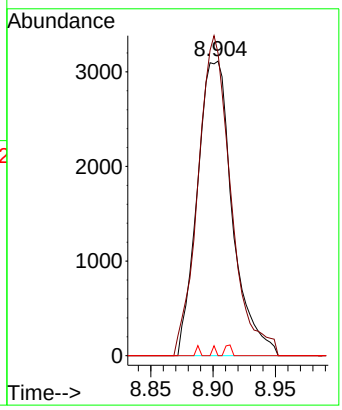


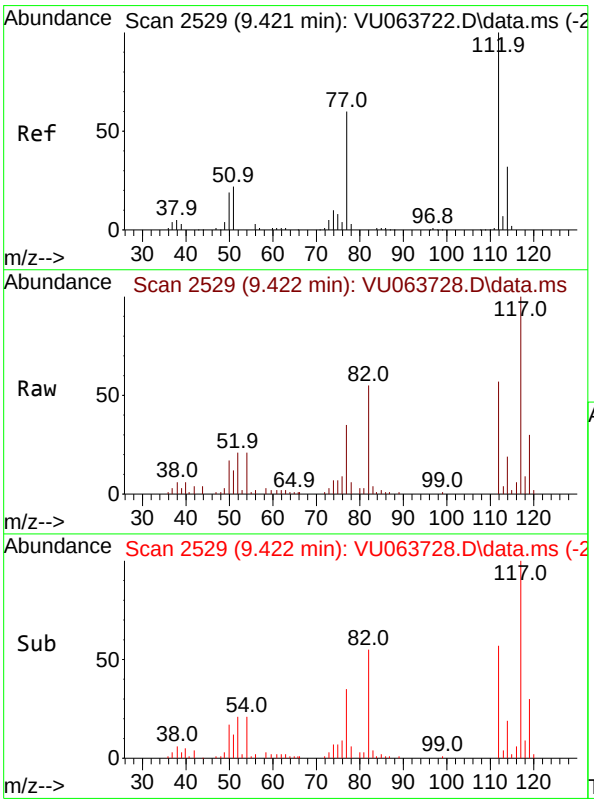

#50
1,2-Dibromoethane
Concen: 2.214 ug/L
RT: 8.904 min Scan# 2
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:107 Resp: 6102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 102.7 | 65.8 | 122.2 |
| 188 | 0.0 | 3.2 | 4.8# |

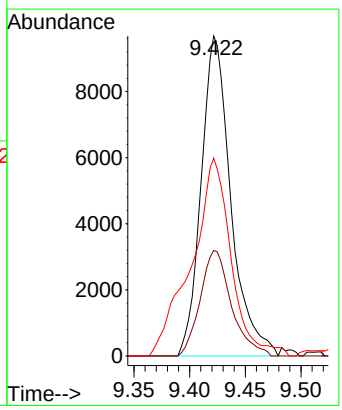


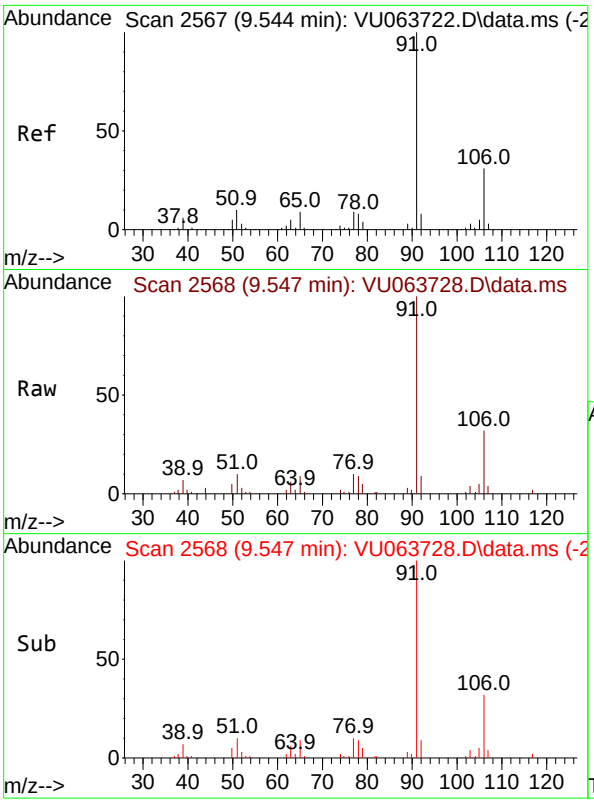




#51
Chlorobenzene
Concen: 2.521 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:112 Resp: 17943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.9 | 22.1 | 41.1 |
| 77 | 61.8 | 48.0 | 72.0 |



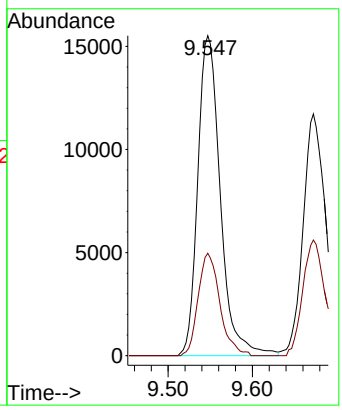


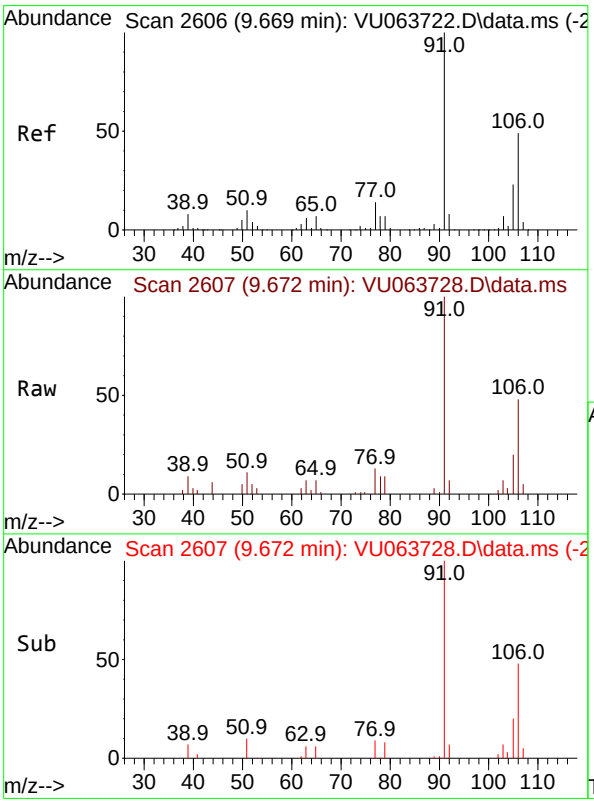

#52
Ethylbenzene
Concen: 2.361 ug/L
RT: 9.547 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 91 Resp: 28908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 35.7 | 21.3 | 39.6 |

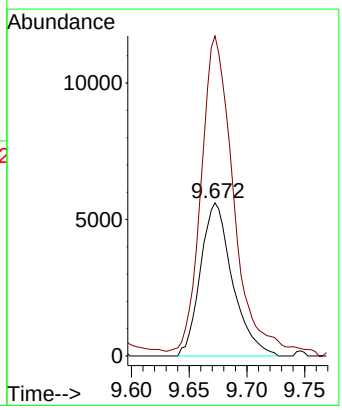


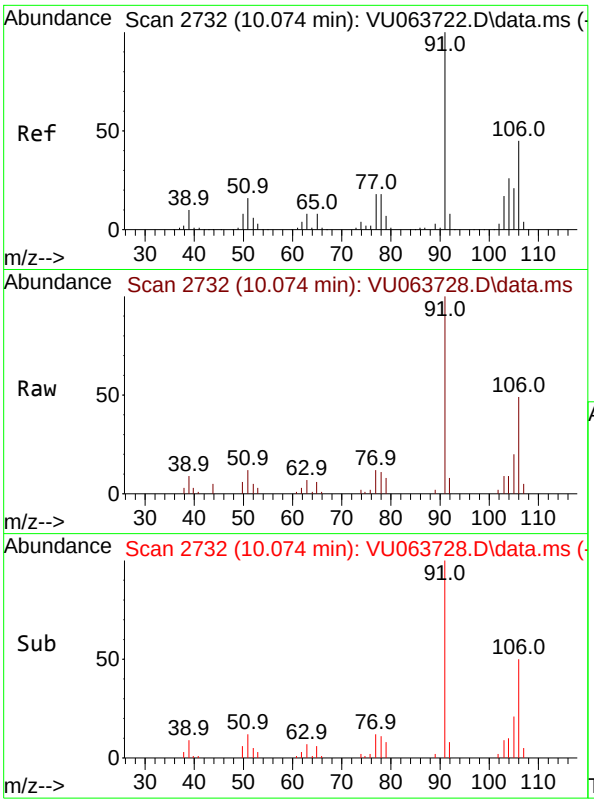




#53
m,p-Xylene
Concen: 2.316 ug/L
RT: 9.672 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:106 Resp: 10808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.9 | 143.6 | 266.6 |



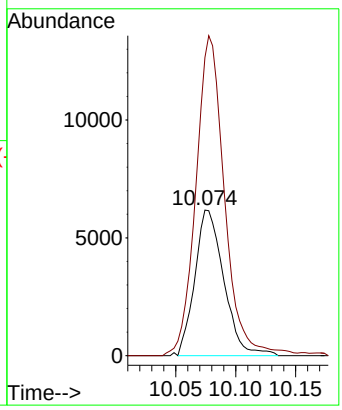


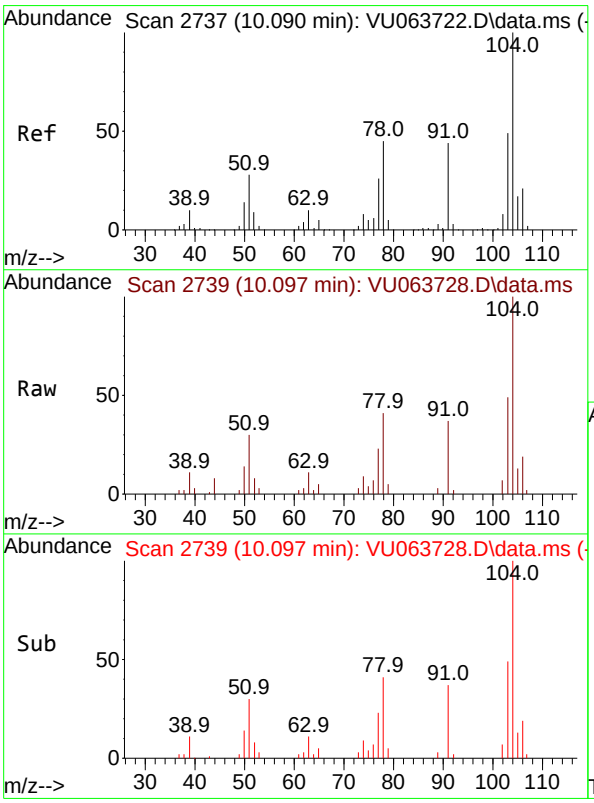

#54
o-Xylene
Concen: 2.287 ug/L
RT: 10.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:106 Resp: 10396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.7 | 156.0 | 289.6 |

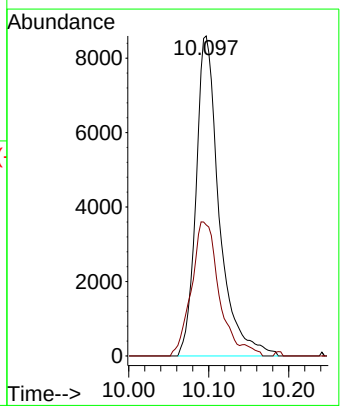


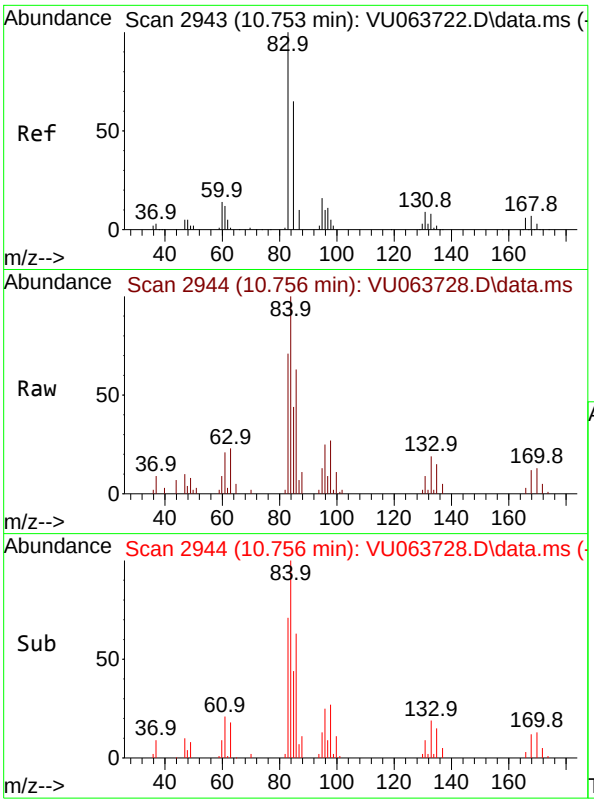




#55
Styrene
Concen: 2.354 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.007 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:104 Resp: 17334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 41.0 | 32.0 | 59.4 |



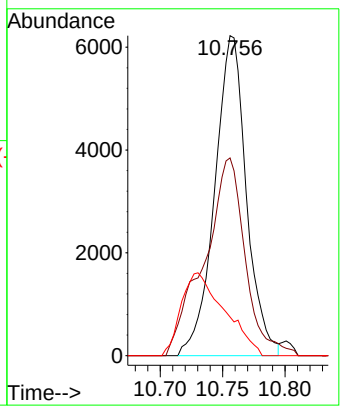


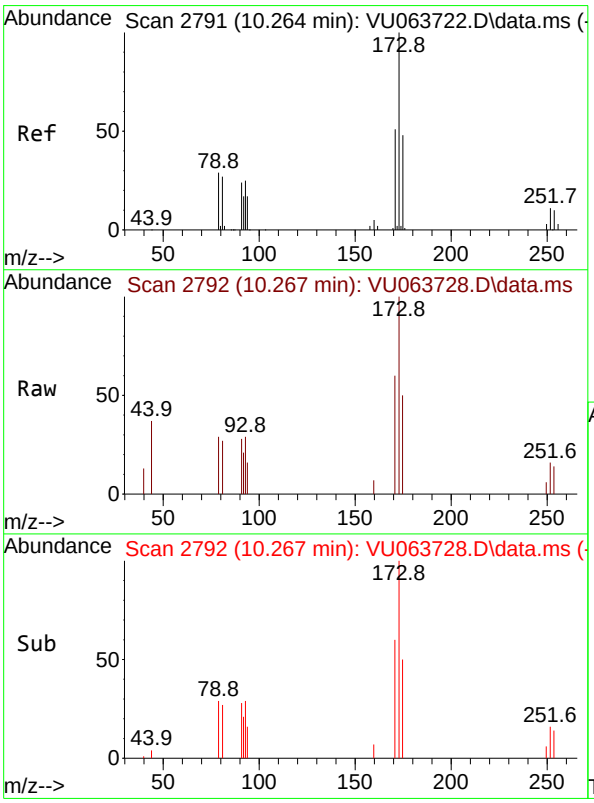

#57
1,1,2,2-Tetrachloroethane
Concen: 2.577 ug/L
RT: 10.756 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 83 Resp: 11018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.8 | 45.7 | 84.9 |
| 131 | 12.1 | 7.4 | 11.2# |

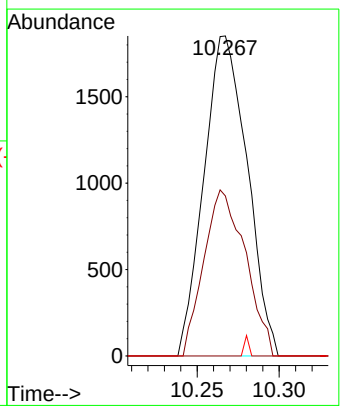


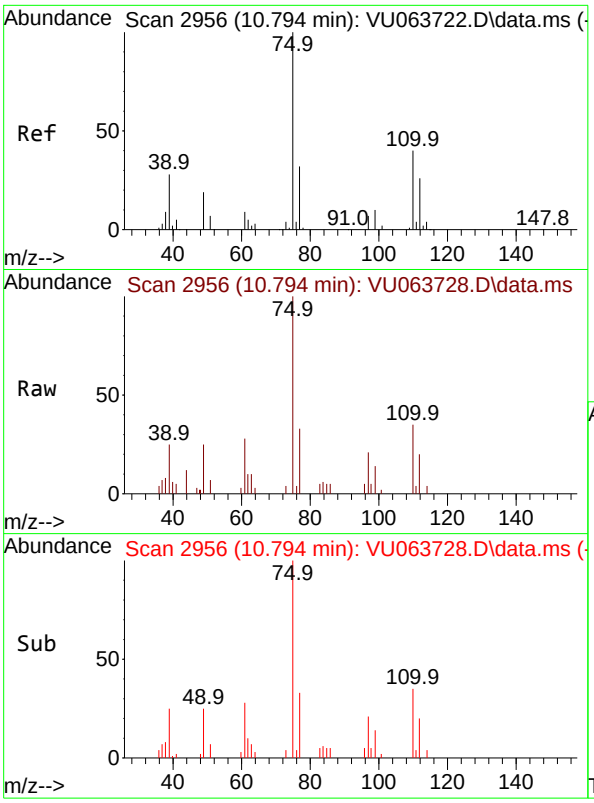




#59
Bromoform
Concen: 1.898 ug/L
RT: 10.267 min Scan# 2792
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:173 Resp: 3387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.9 | 38.2 | 57.4 |
| 254 | 0.0 | 6.9 | 10.3# |



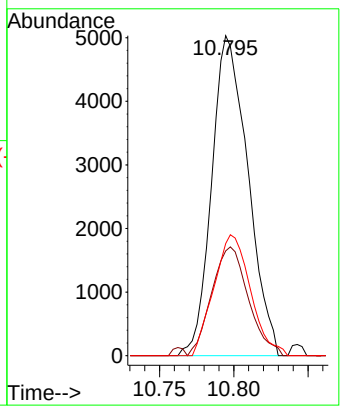


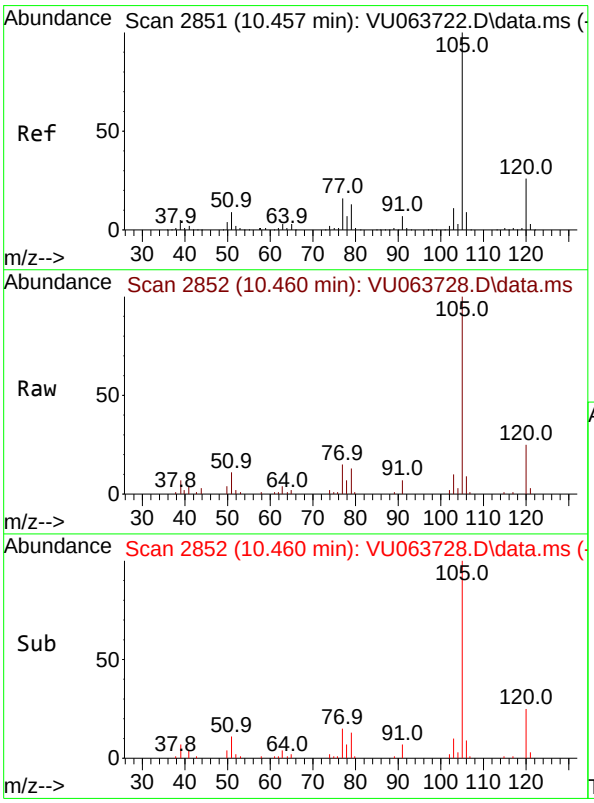

#60
1,2,3-Trichloropropane
Concen: 2.486 ug/L
RT: 10.794 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion: 75 Resp: 8528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.5 | 26.1 | 39.1 |
| 110 | 38.2 | 32.3 | 48.5 |

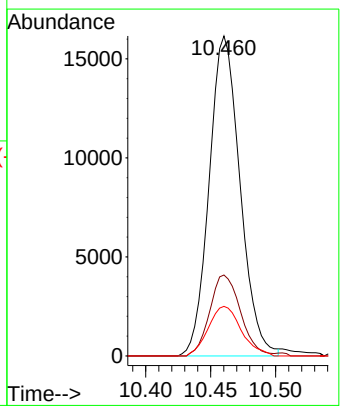


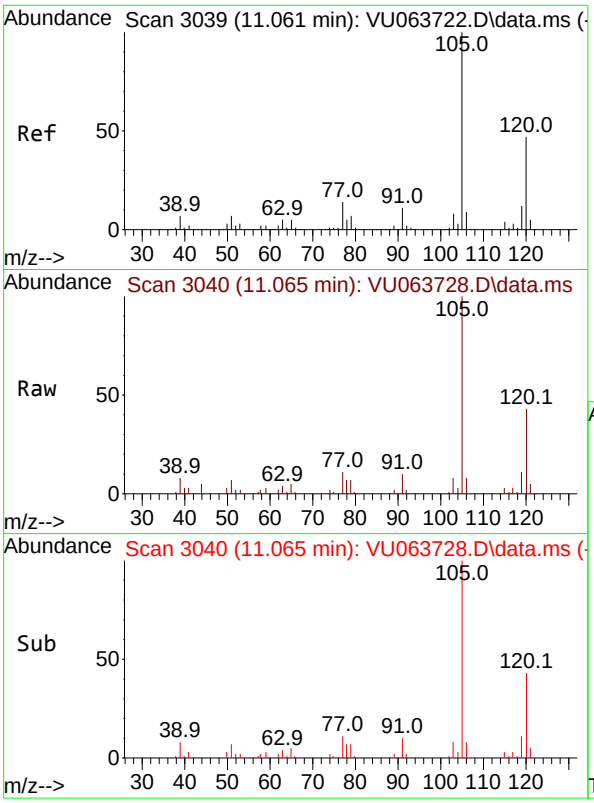




#61
Isopropylbenzene
Concen: 2.254 ug/L
RT: 10.460 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:105 Resp: 26720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 20.7 | 31.1 |
| 77 | 16.5 | 12.9 | 19.3 |



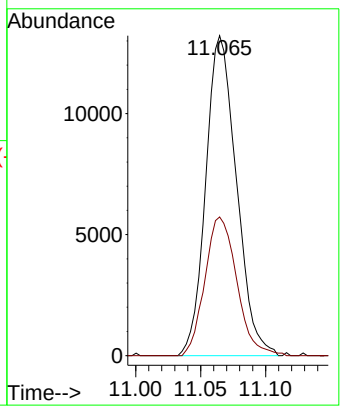


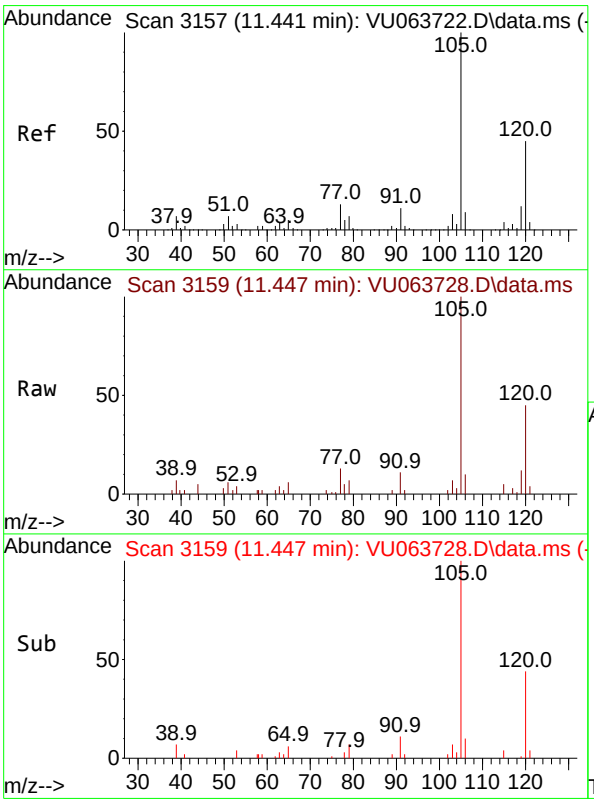

#62
1,3,5-Trimethylbenzene
Concen: 2.226 ug/L
RT: 11.065 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:105 Resp: 21709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.1 | 37.8 | 56.6 |

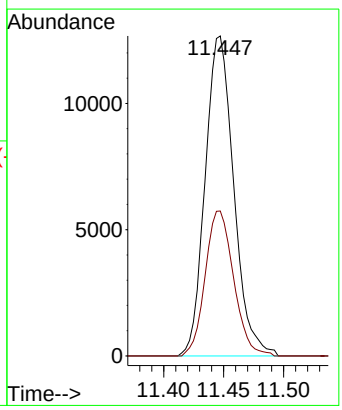


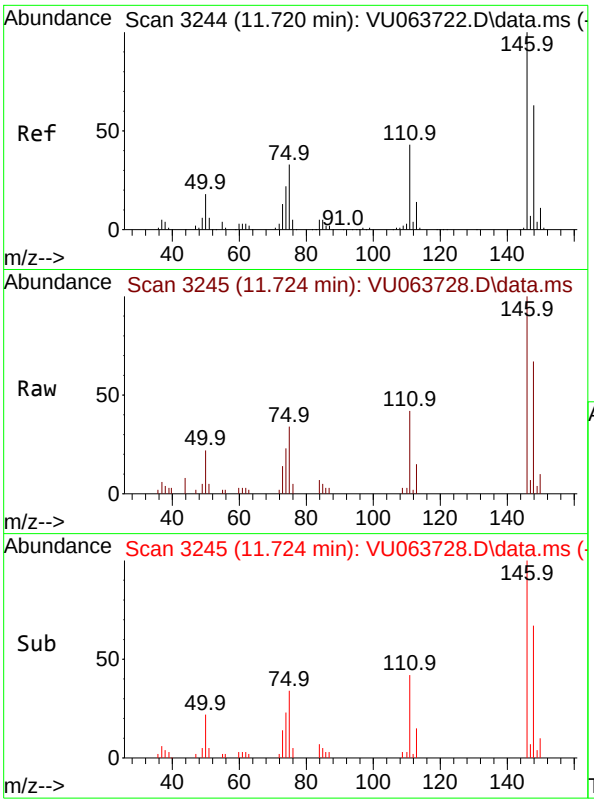




#63
1,2,4-Trimethylbenzene
Concen: 2.258 ug/L
RT: 11.447 min Scan# 3159
Delta R.T. 0.007 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:105 Resp: 21018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.1 | 35.6 | 53.4 |



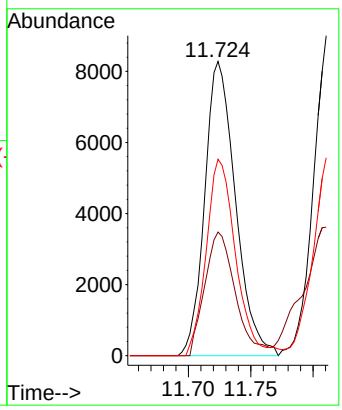


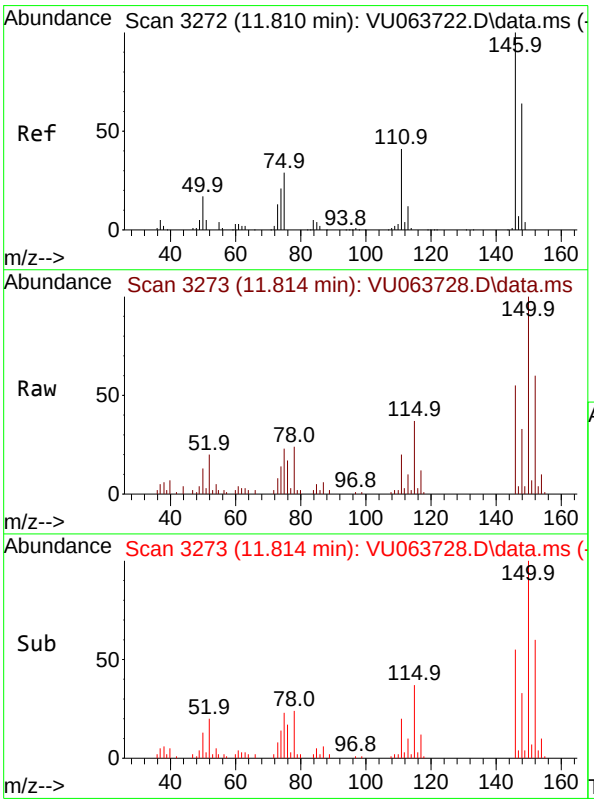

#64
1,3-Dichlorobenzene
Concen: 2.676 ug/L
RT: 11.724 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:146 Resp: 14226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 29.8 | 55.3 |
| 148 | 66.8 | 44.4 | 82.4 |

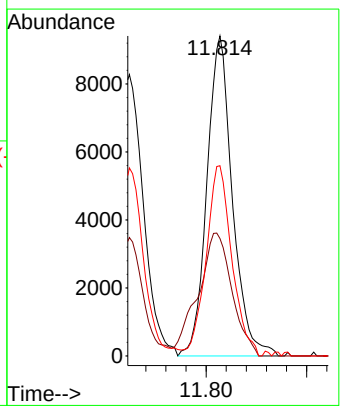


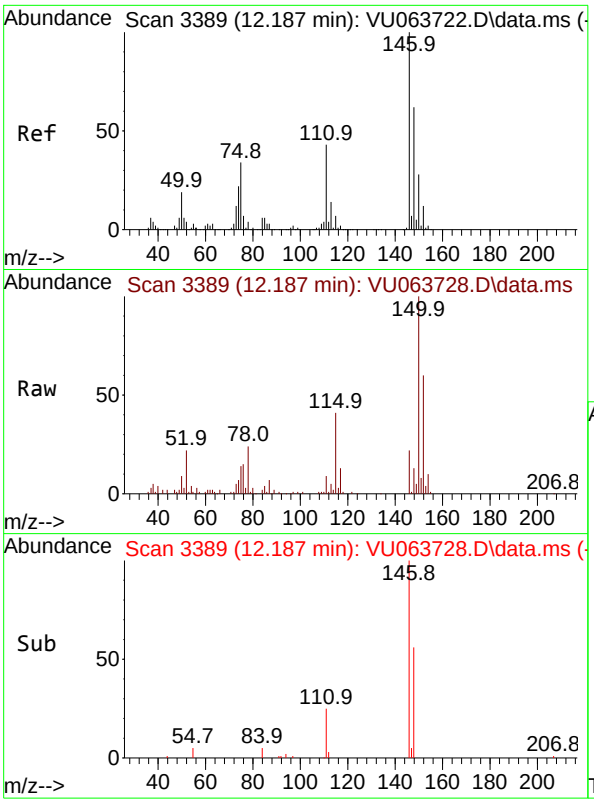




#65
1,4-Dichlorobenzene
Concen: 3.043 ug/L
RT: 11.814 min Scan# 3273
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:146 Resp: 16568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.5 | 28.8 | 53.4 |
| 148 | 61.6 | 44.9 | 83.3 |



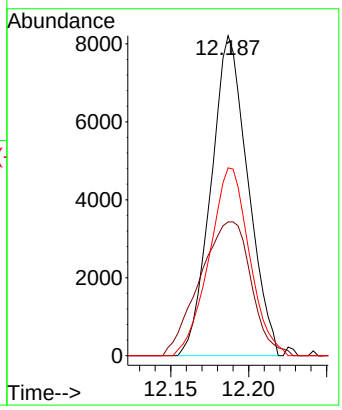


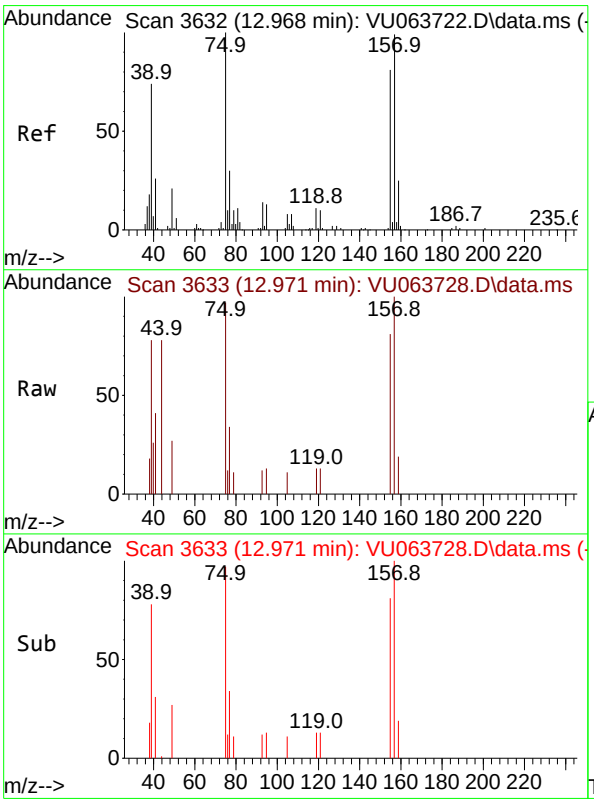

#67
1,2-Dichlorobenzene
Concen: 2.619 ug/L
RT: 12.187 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:146 Resp: 13498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 34.2 | 51.4 |
| 148 | 58.7 | 49.6 | 74.4 |

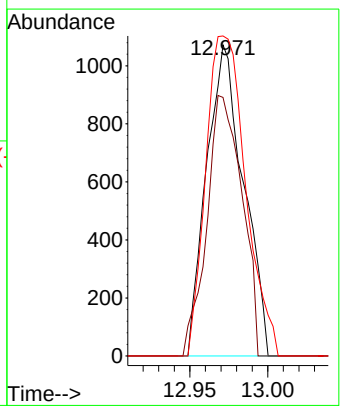


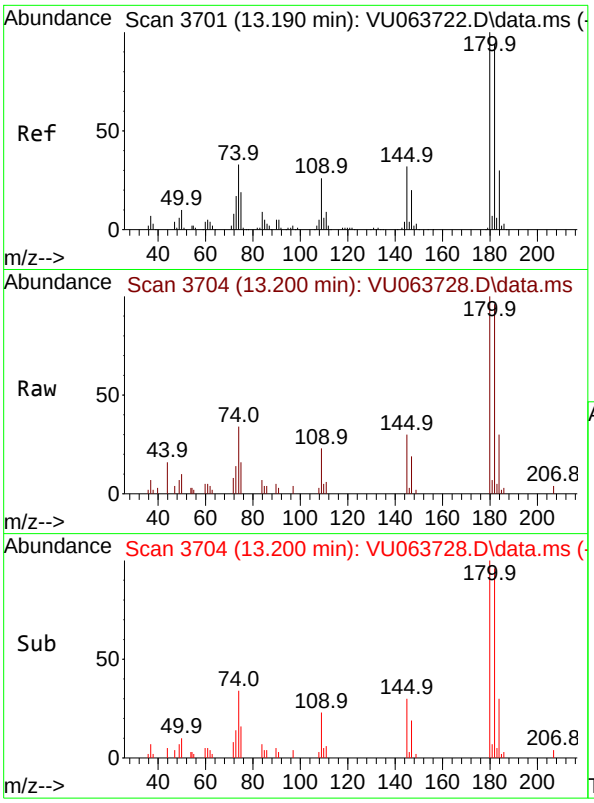




#68
1,2-Dibromo-3-chloropropane
Concen: 2.091 ug/L
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion: 75 Resp: 1771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.1 | 64.6 | 97.0 |
| 157 | 102.9 | 78.8 | 118.2 |



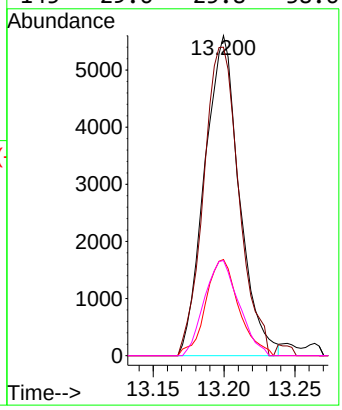


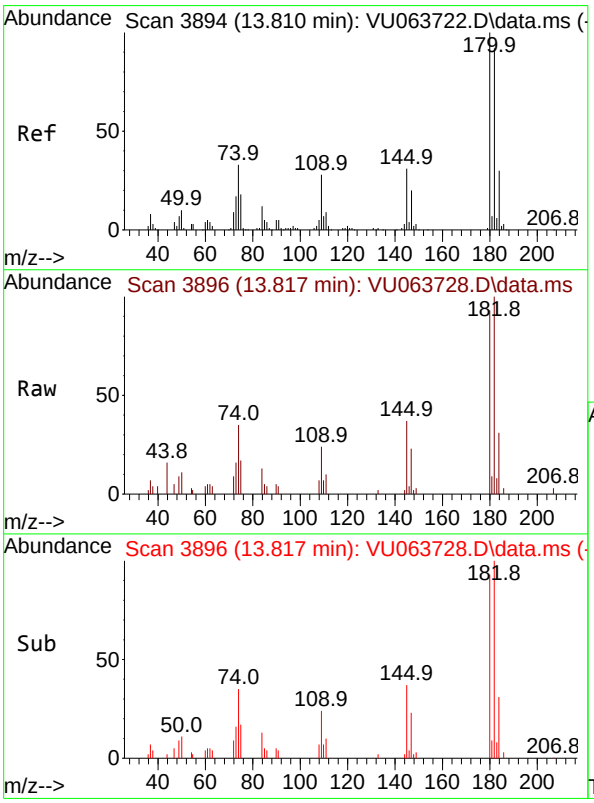

#69
1,3,5-Trichlorobenzene
Concen: 2.654 ug/L
RT: 13.200 min Scan# 3
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:180 Resp: 9534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.0 | 76.4 | 114.6 |
| 184 | 28.6 | 24.4 | 36.6 |
| 145 | 29.6 | 25.8 | 38.6 |

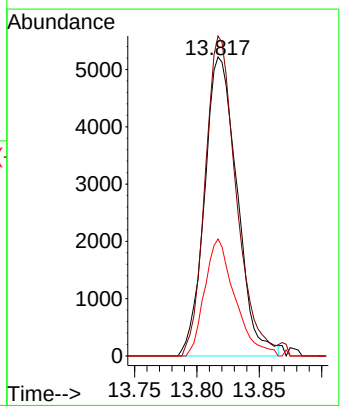


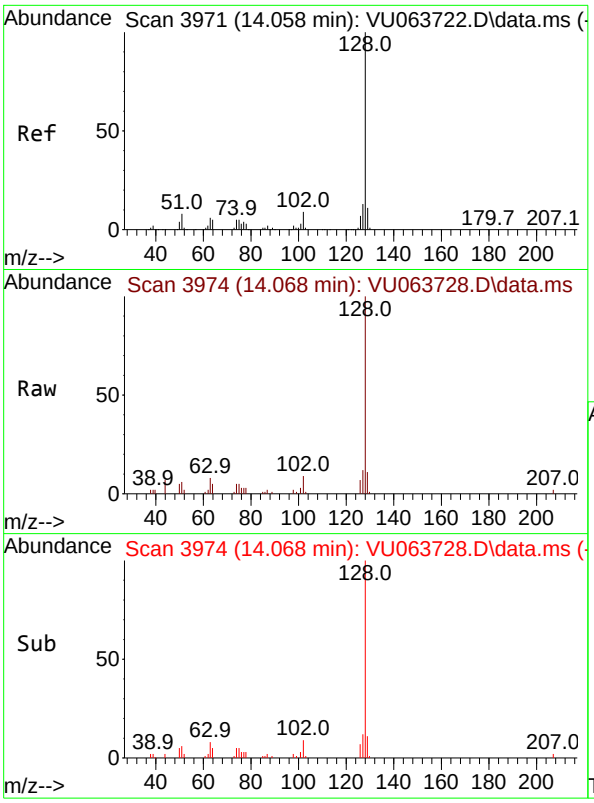




#70
1,2,4-trichlorobenzene
Concen: 3.168 ug/L
RT: 13.817 min Scan# 3896
Delta R.T. 0.006 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:180 Resp: 9491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.6 | 75.8 | 113.8 |
| 145 | 36.2 | 25.7 | 38.5 |



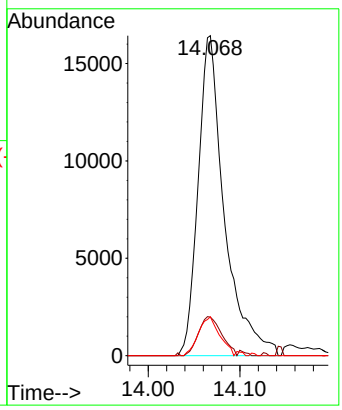


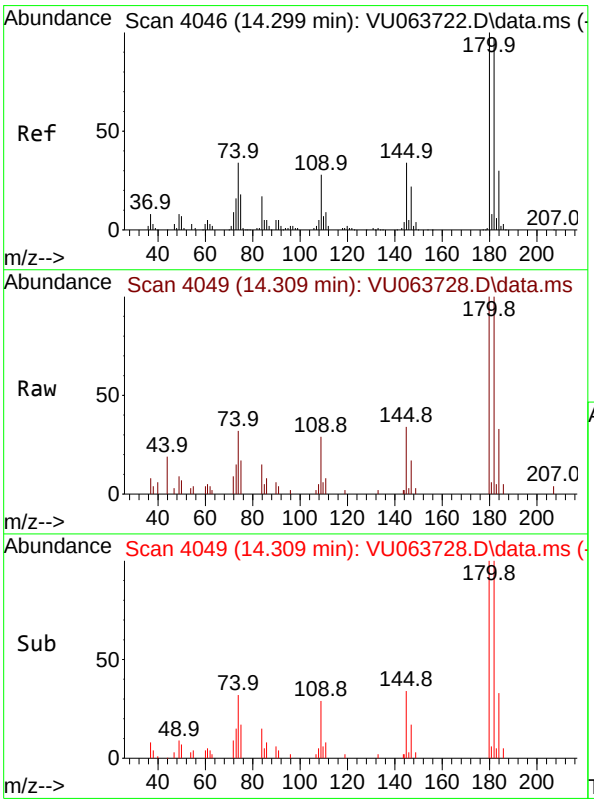

#71
Naphthalene
Concen: 4.102 ug/L
RT: 14.068 min Scan# 3
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL-WATER-QT4-2025-07

Tgt Ion:128 Resp: 32697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 10.8 | 10.3 | 15.5 |
| 129 | 9.8 | 8.7 | 13.1 |




#72
1,2,3-Trichlorobenzene
Concen: 3.344 ug/L
RT: 14.309 min Scan# 4049
Delta R.T. 0.010 min
Lab File: VU063728.D
Acq: 17 Nov 2025 15:32

Tgt Ion:180 Resp: 9494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.4 | 76.9 | 115.3 |
| 145 | 30.9 | 26.6 | 39.8 |