Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120720\
Data File : VY003665.D
Acq On : 07 Dec 2020 11:33
Operator : SY/MD
Sample : VSTD00531
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Quant Time: Dec 07 12:32:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM120720SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 07 12:29:31 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.70 | 114 | 245761 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.49 | 117 | 234158 | 25.00 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 123559 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.25 | 65 | 16307 | 5.44 | ug/L | 0.00 |
| 7) Chloroethane-d5 | 2.77 | 69 | 12683 | 5.39 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2 | 3.86 | 63 | 31232 | 5.15 | ug/L | 0.00 |
| 21) 2-Butanone-d5 | 6.90 | 46 | 12376 | 9.34 | ug/L | 0.00 |
| 24) Chloroform-d | 7.49 | 84 | 30501 | 5.11 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 8.15 | 65 | 16535 | 5.11 | ug/L | 0.00 |
| 32) Benzene-d6 | 8.12 | 84 | 66366 | 5.24 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 9.12 | 67 | 19732 | 5.12 | ug/L | 0.00 |
| 41) Toluene-d8 | 10.18 | 98 | 58196 | 5.15 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.44 | 79 | 9204 | 5.10 | ug/L | 0.00 |
| 47) 2-Hexanone-d5 | 10.79 | 63 | 9145 | 8.69 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 12.56 | 84 | 17035 | 4.40 | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4 | 13.72 | 152 | 21897 | 5.21 | ug/L | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.91 | 85 | 13252 | 4.710 | ug/L | 100 |
| 3) Chloromethane | 2.12 | 50 | 15541 | 5.089 | ug/L | 98 |
| 5) Vinyl chloride | 2.26 | 62 | 15097 | 4.651 | ug/L | 96 |
| 6) Bromomethane | 2.66 | 94 | 9402 | 4.581 | ug/L | 93 |
| 8) Chloroethane | 2.80 | 64 | 9443 | 4.619 | ug/L | 90 |
| 9) Trichlorofluoromethane | 3.14 | 101 | 23142 | 4.656 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.92 | 101 | 15322 | 4.606 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 3.88 | 96 | 14614 | 4.629 | ug/L | 87 |
| 13) Acetone | 3.97 | 43 | 8436 | 8.780 | ug/L | 95 |
| 14) Carbon disulfide | 4.20 | 76 | 46020 | 4.447 | ug/L | 99 |
| 15) Methyl Acetate | 4.49 | 43 | 10647 | 4.532 | ug/L | 95 |
| 17) trans-1,2-Dichloroethene | 5.23 | 96 | 16396 | 4.729 | ug/L | 94 |
| 18) Methyl tert-butyl Ether | 5.24 | 73 | 39968 | 4.675 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 6.03 | 63 | 26962 | 4.634 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.00 | 96 | 17288 | 4.709 | ug/L | 93 |
| 22) 2-Butanone | 7.01 | 43 | 14682 | 8.993 | ug/L | 99 |
| 23) Bromochloromethane | 7.35 | 128 | 8676 | 4.853 | ug/L | 96 |
| 25) Chloroform | 7.52 | 83 | 27286 | 4.641 | ug/L | 98 |
| 27) 1,2-Dichloroethane | 8.25 | 62 | 18712 | 4.823 | ug/L | 100 |
| 29) Cyclohexane | 7.80 | 56 | 23003 | 4.212 | ug/L | 96 |
| 30) 1,1,1-Trichloroethane | 7.72 | 97 | 24406 | 4.645 | ug/L | 98 |
| 31) Carbon tetrachloride | 7.91 | 117 | 21517 | 4.540 | ug/L | 99 |
| 33) Benzene | 8.17 | 78 | 66723 | 4.720 | ug/L | 100 |
| 34) Trichloroethene | 8.94 | 95 | 17740 | 4.923 | ug/L | 93 |
| 35) Methylcyclohexane | 9.19 | 83 | 26303 | 4.358 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 9.22 | 63 | 16503 | 4.608 | ug/L | 100 |
| 38) Bromodichloromethane | 9.50 | 83 | 20438 | 4.518 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 9.93 | 75 | 24652 | 4.441 | ug/L | 96 |
| 40) 4-Methyl-2-pentanone | 10.07 | 43 | 28000 | 8.838 | ug/L | 100 |
| 42) Toluene | 10.25 | 91 | 68720 | 4.611 | ug/L | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120720\
Data File : VY003665.D
Acq On : 07 Dec 2020 11:33
Operator : SY/MD
Sample : VSTD00531
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Quant Time: Dec 07 12:32:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM120720SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 07 12:29:31 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) trans-1,3-Dichloropropene | 10.47 | 75 | 23407 | 4.557 ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 10.65 | 97 | 14290 | 4.713 ug/L | 97 |
| 46) Tetrachloroethene | 10.72 | 164 | 13994 | 4.615 ug/L | 94 |
| 48) 2-Hexanone | 10.83 | 43 | 19144 | 8.390 ug/L | 99 |
| 49) Dibromochloromethane | 10.98 | 129 | 15614 | 4.451 ug/L | 100 |
| 50) 1,2-Dibromoethane | 11.09 | 107 | 13758 | 4.680 ug/L | 94 |
| 51) Chlorobenzene | 11.52 | 112 | 47174 | 4.893 ug/L | 97 |
| 52) Ethylbenzene | 11.59 | 91 | 73247 | 4.577 ug/L | 100 |
| 53) m,p-Xylene | 11.70 | 106 | 28576 | 4.558 ug/L | 92 |
| 54) o-Xylene | 12.03 | 106 | 27555 | 4.637 ug/L | 95 |
| 55) Styrene | 12.04 | 104 | 46256 | 4.561 ug/L | 95 |
| 57) 1,1,2,2-Tetrachloroethane | 12.58 | 83 | 15090 | 3.878 ug/L | 97 |
| 59) Bromoform | 12.21 | 173 | 10973 | 4.559 ug/L | 97 |
| 60) Isopropylbenzene | 12.33 | 105 | 72189 | 4.610 ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.64 | 75 | 13267 | 4.536 ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.81 | 105 | 55228 | 4.443 ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.12 | 105 | 54988 | 4.470 ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 13.36 | 146 | 35097 | 4.616 ug/L | 98 |
| 65) 1,4-Dichlorobenzene | 13.45 | 146 | 36239 | 4.692 ug/L | 96 |
| 67) 1,2-Dichlorobenzene | 13.74 | 146 | 32981 | 4.610 ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropropan | 14.35 | 75 | 2768 | 4.102 ug/L | 86 |
| 69) 1,3,5-Trichlorobenzene | 14.50 | 180 | 25306 | 4.725 ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 15.01 | 180 | 20595 | 4.518 ug/L | 98 |
| 71) Naphthalene | 15.23 | 128 | 41497 | 4.179 ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.42 | 180 | 19545 | 4.679 ug/L | 99 |

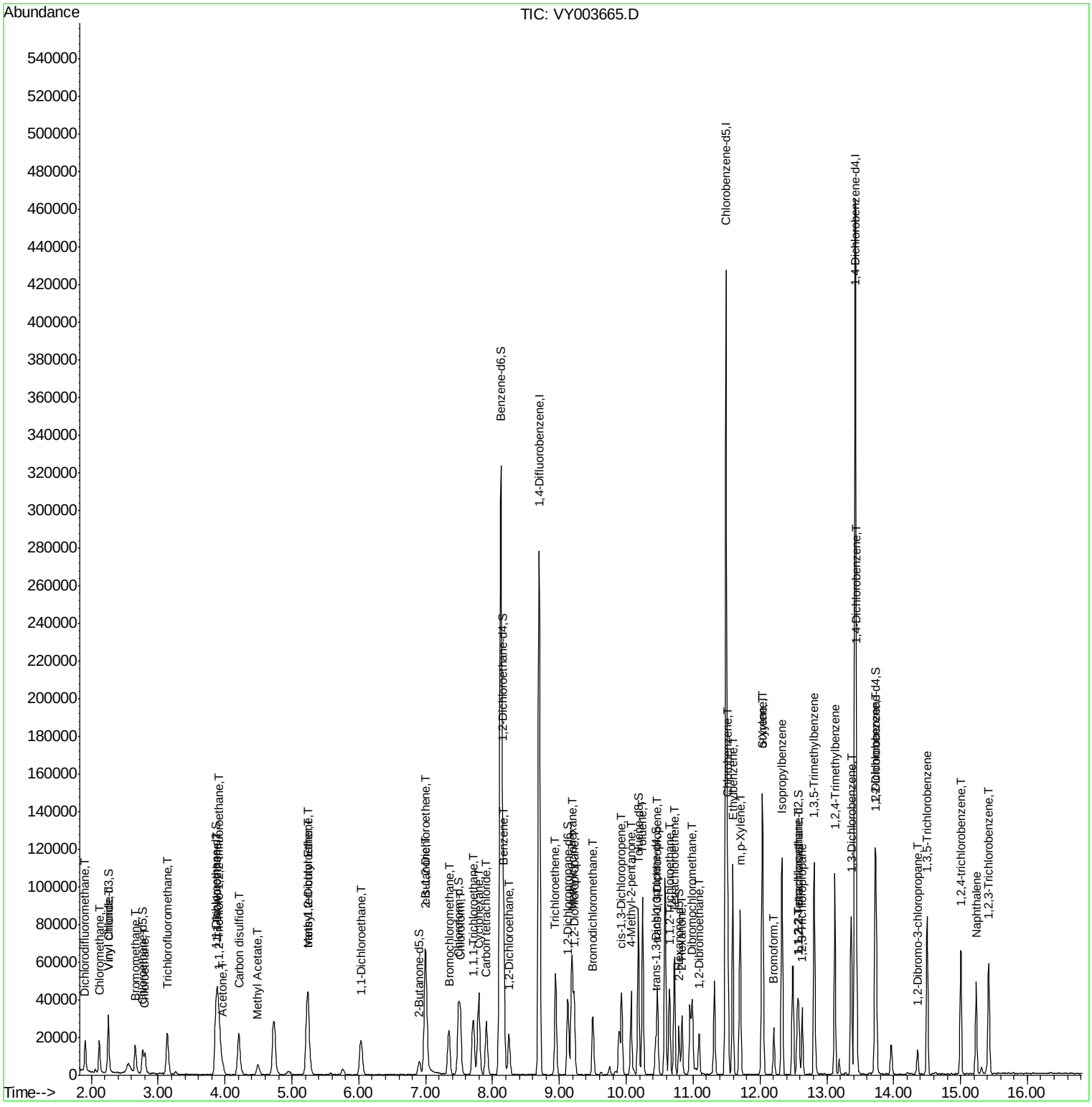
(#) = qualifier out of range (m) = manual integration (+) = signals summed

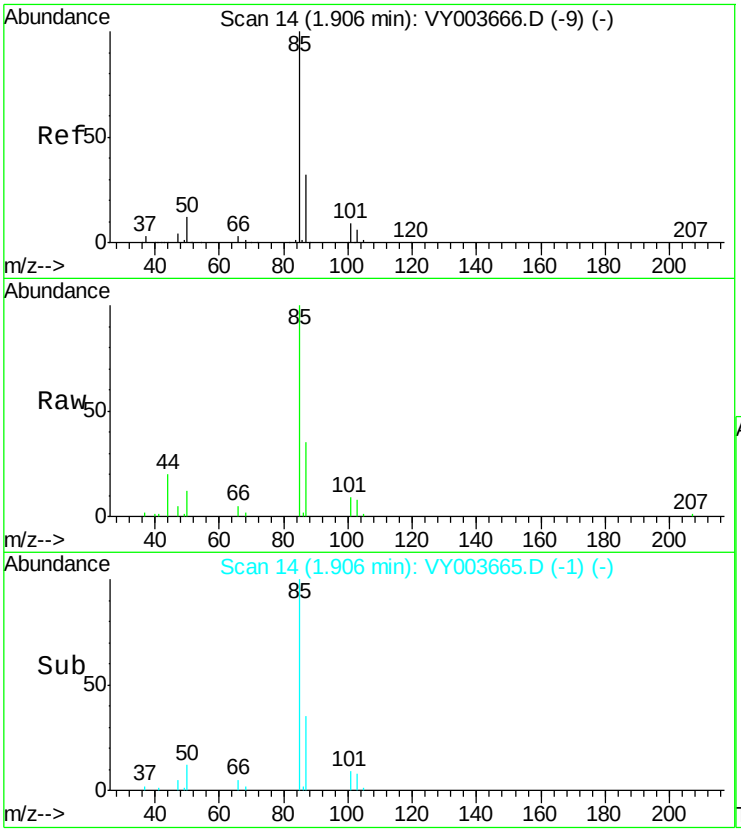
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120720\
Data File : VY003665.D
Acq On : 07 Dec 2020 11:33
Operator : SY/MD
Sample : VSTD00531
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Quant Time: Dec 07 12:32:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYLM120720SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 07 12:29:31 2020
Response via : Initial Calibration



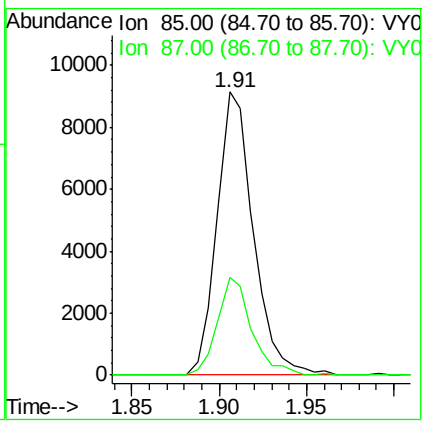


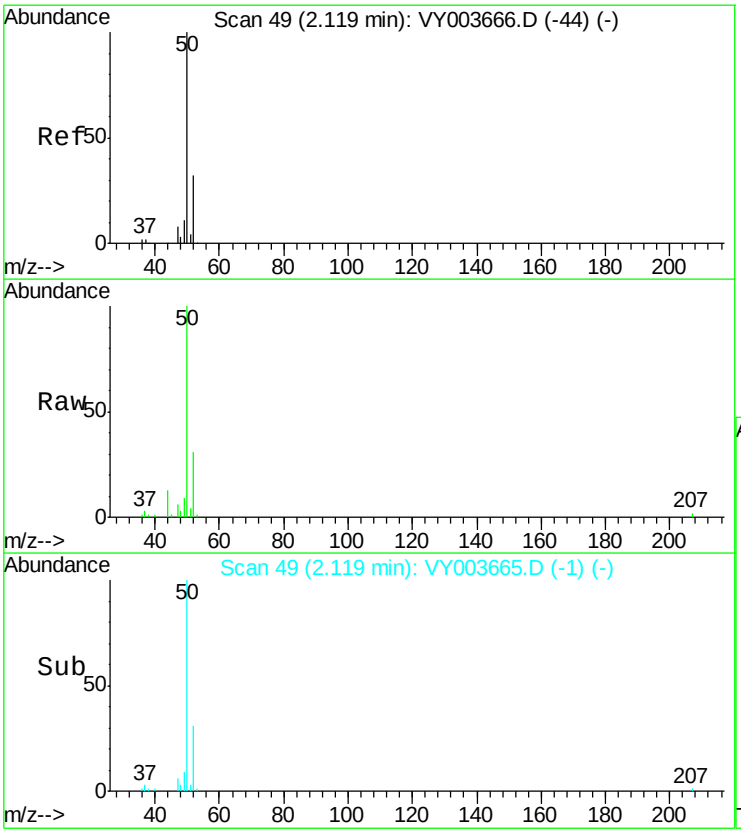

#2
Dichlorodifluoromethane
Concen: 4.710 ug/L
RT: 1.91 min Scan# 14
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 85 Resp: 13252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 25.9 | 38.9 |

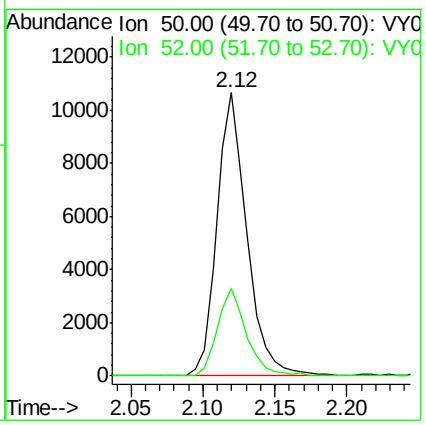


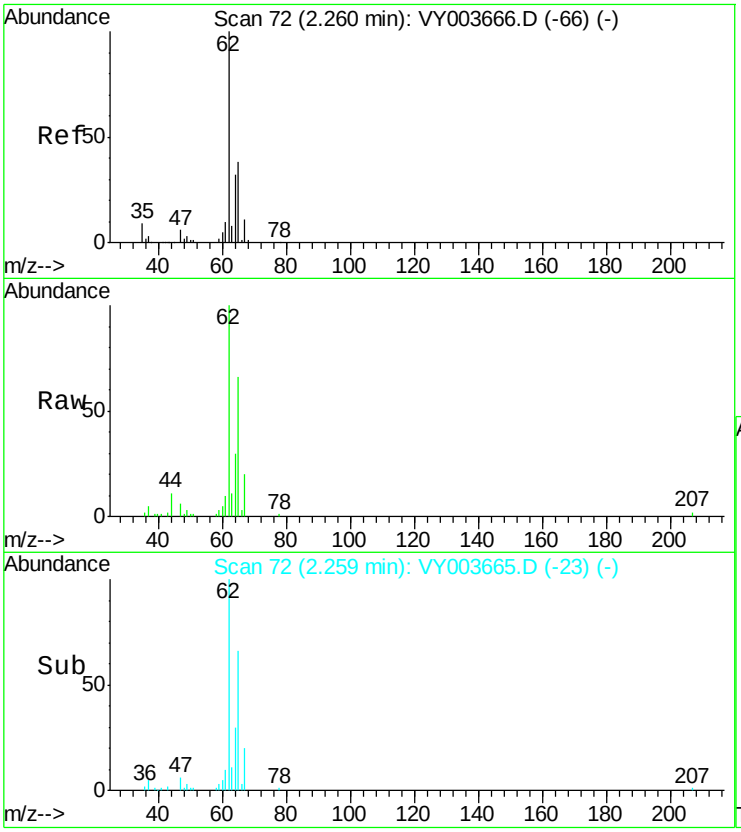




#3
Chloromethane
Concen: 5.089 ug/L
RT: 2.12 min Scan# 49
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 50 Resp: 15541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.0 | 22.6 | 42.0 |



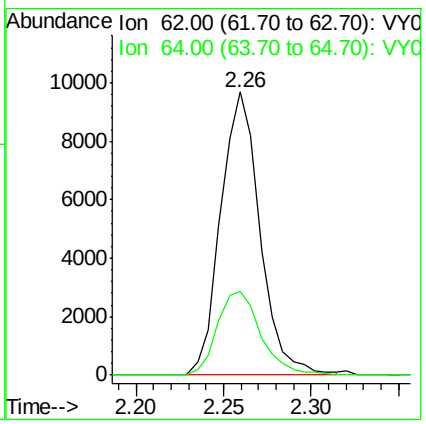


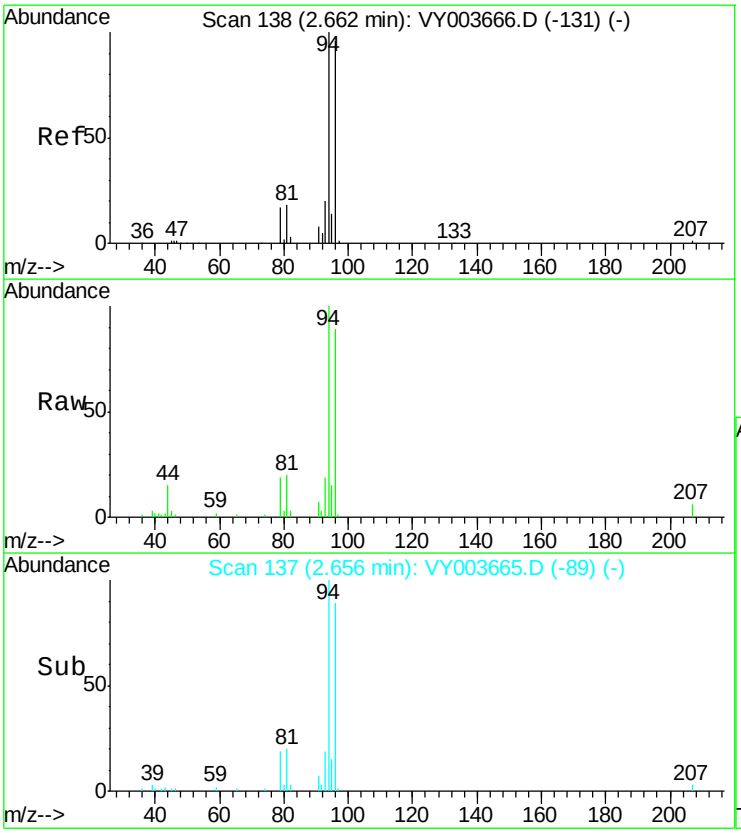

#5
Vinyl chloride
Concen: 4.651 ug/L
RT: 2.26 min Scan# 72
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 62 Resp: 15097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.7 | 22.5 | 41.9 |

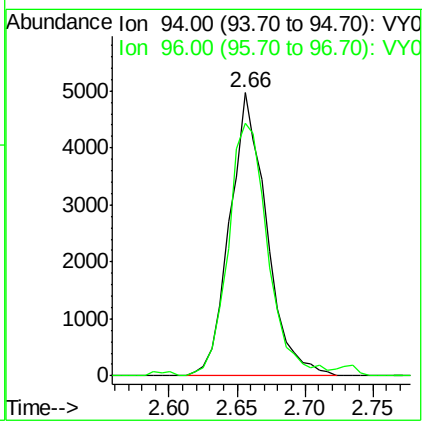


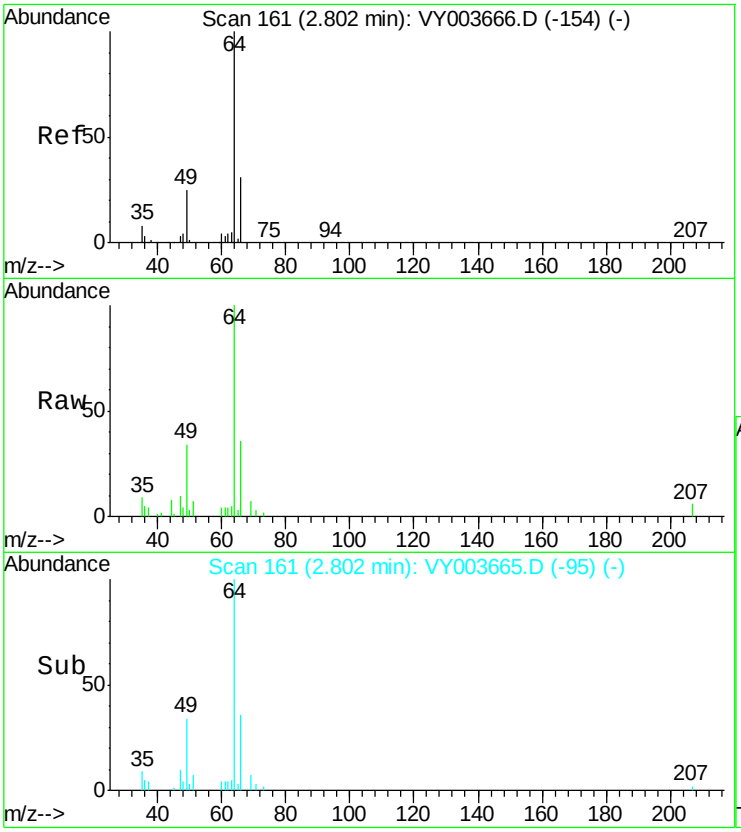




#6
Bromomethane
Concen: 4.581 ug/L
RT: 2.66 min Scan# 137
Delta R.T. -0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 94 Resp: 9402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 89.4 | 67.2 | 124.8 |



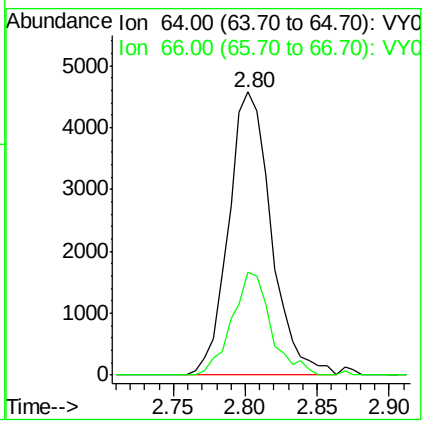


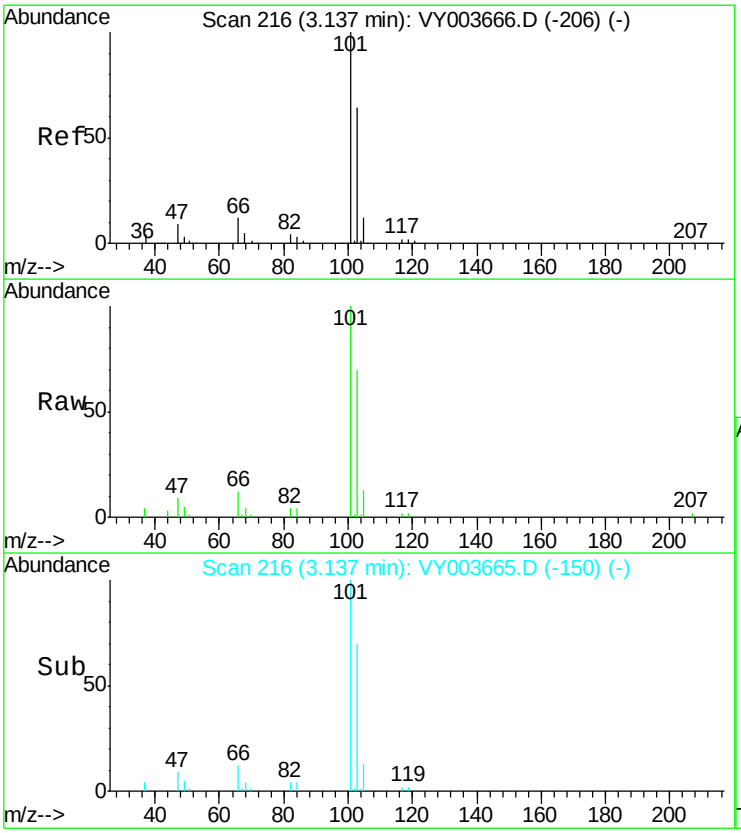

#8
Chloroethane
Concen: 4.619 ug/L
RT: 2.80 min Scan# 161
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion: 64 Resp: 9443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 36.2 | 21.6 | 40.2 |

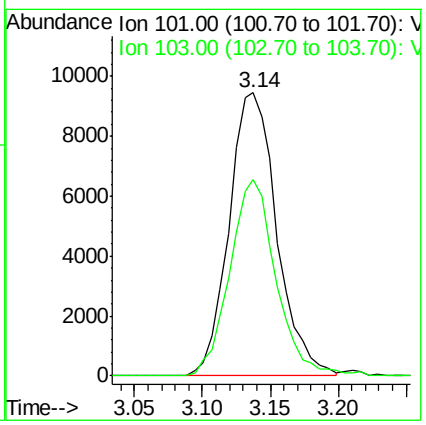


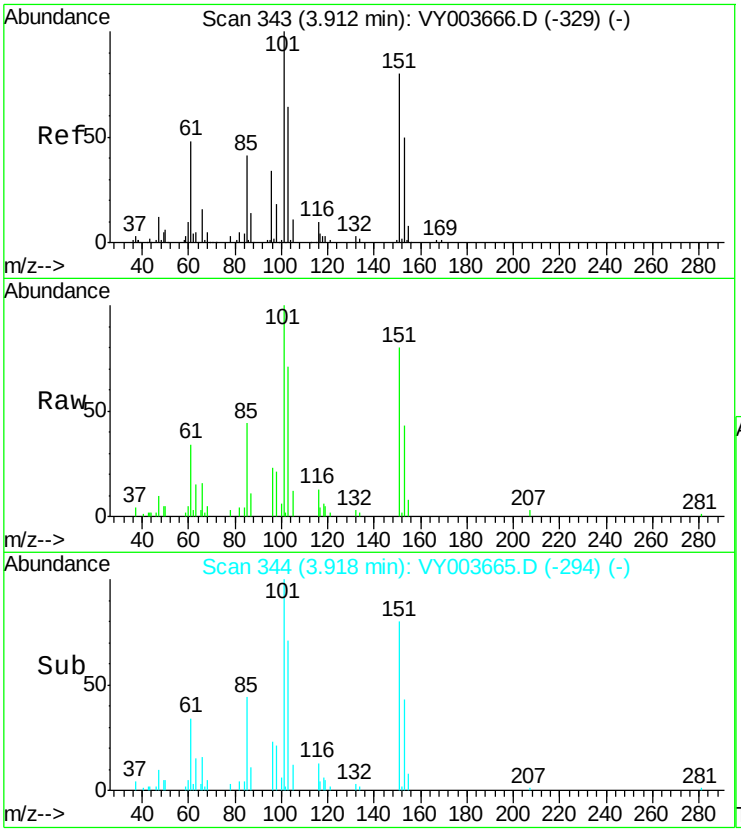




#9
Trichlorofluoromethane
Concen: 4.656 ug/L
RT: 3.14 min Scan# 216
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:101 Resp: 23142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.0 | 51.9 | 77.9 |



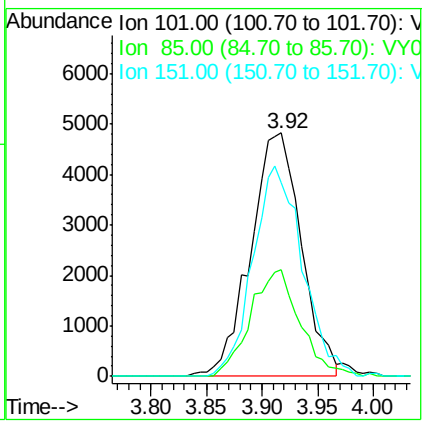


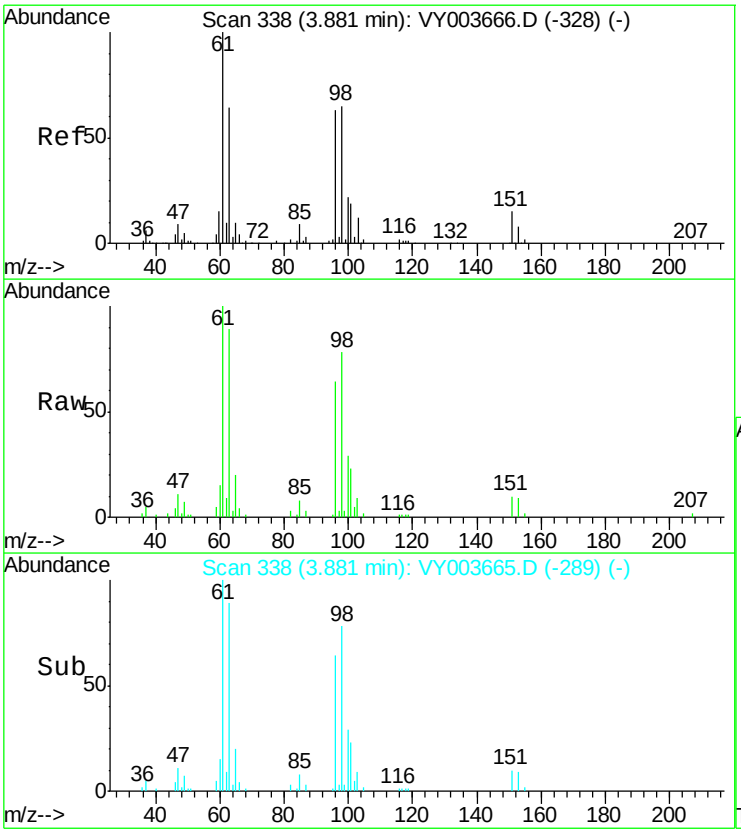

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.606 ug/L
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion:101 Resp: 15322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.7 | 34.2 | 51.2 |
| 151 | 84.6 | 65.2 | 97.8 |

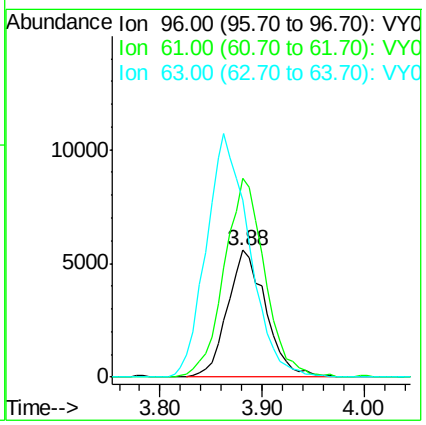


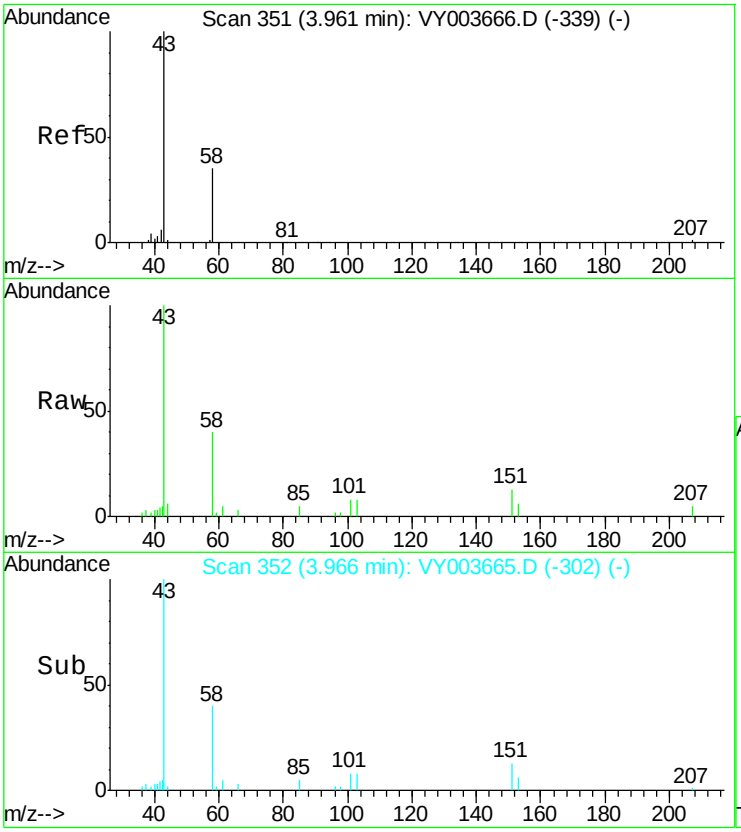




#12
1,1-Dichloroethene
Concen: 4.629 ug/L
RT: 3.88 min Scan# 338
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 96 Resp: 14614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.9 | 111.9 | 207.7 |
| 63 | 139.5 | 76.0 | 141.2 |



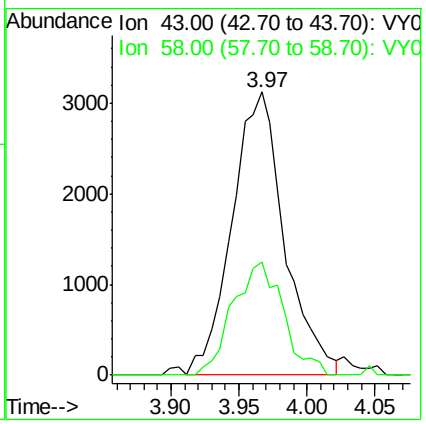


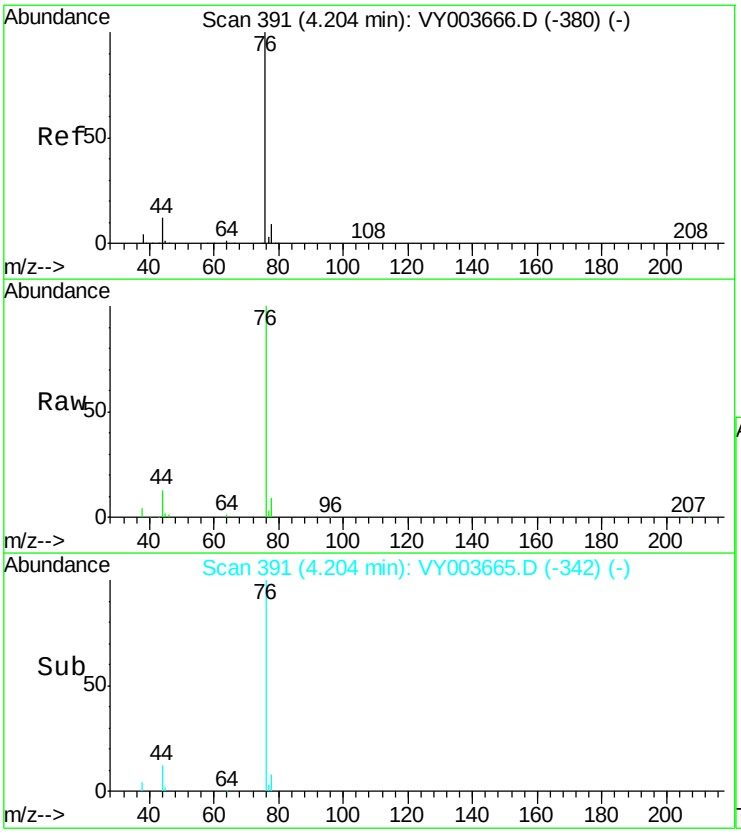

#13
Acetone
Concen: 8.780 ug/L
RT: 3.97 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion: 43 Resp: 8436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 0.0 | 68.0 |

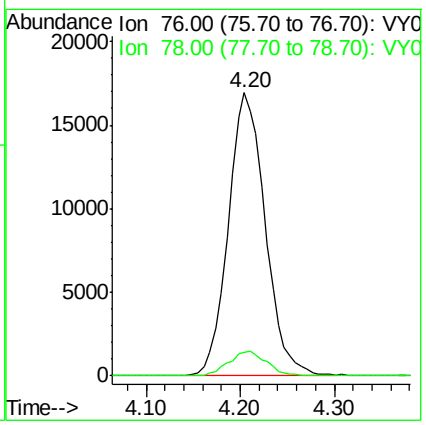


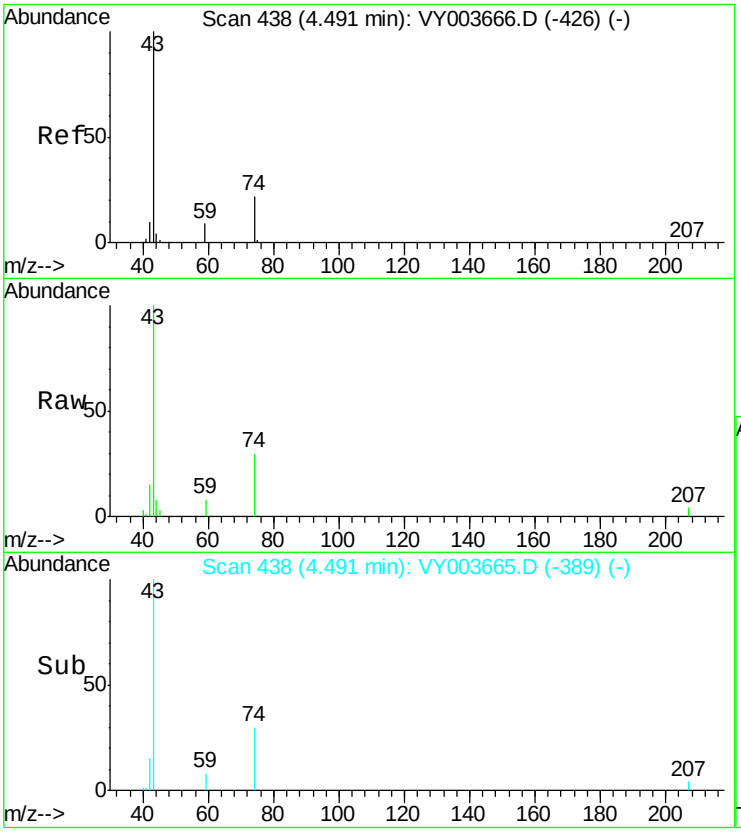




#14
Carbon disulfide
Concen: 4.447 ug/L
RT: 4.20 min Scan# 391
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 76 Resp: 46020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.1 | 10.7 |



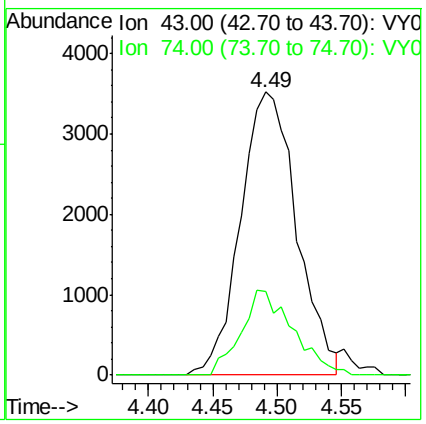


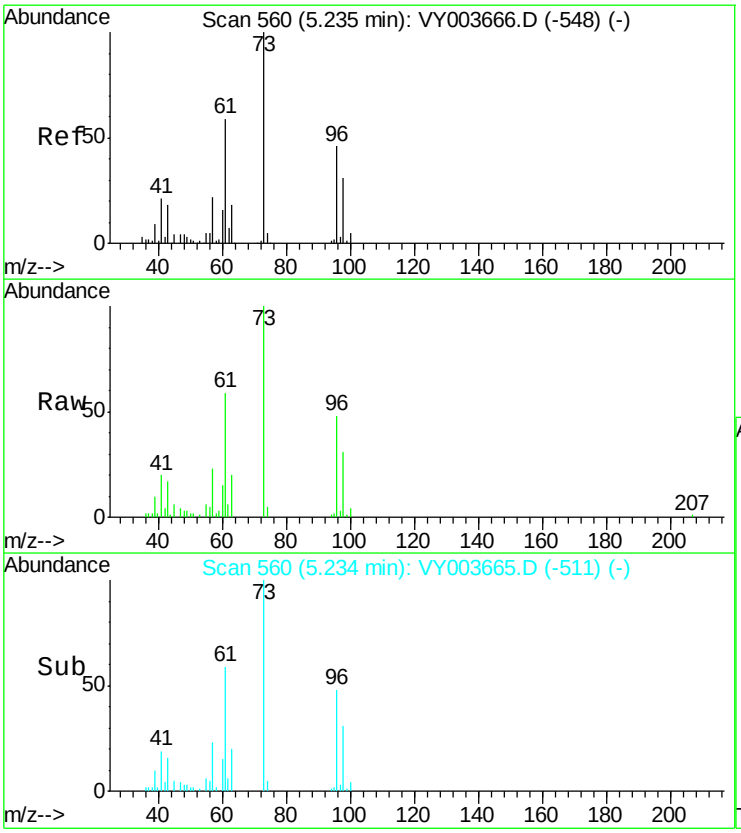

#15
Methyl Acetate
Concen: 4.532 ug/L
RT: 4.49 min Scan# 438
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 43 Resp: 10647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 27.5 | 19.8 | 29.8 |

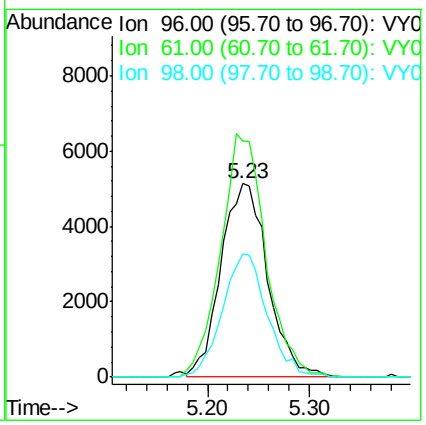


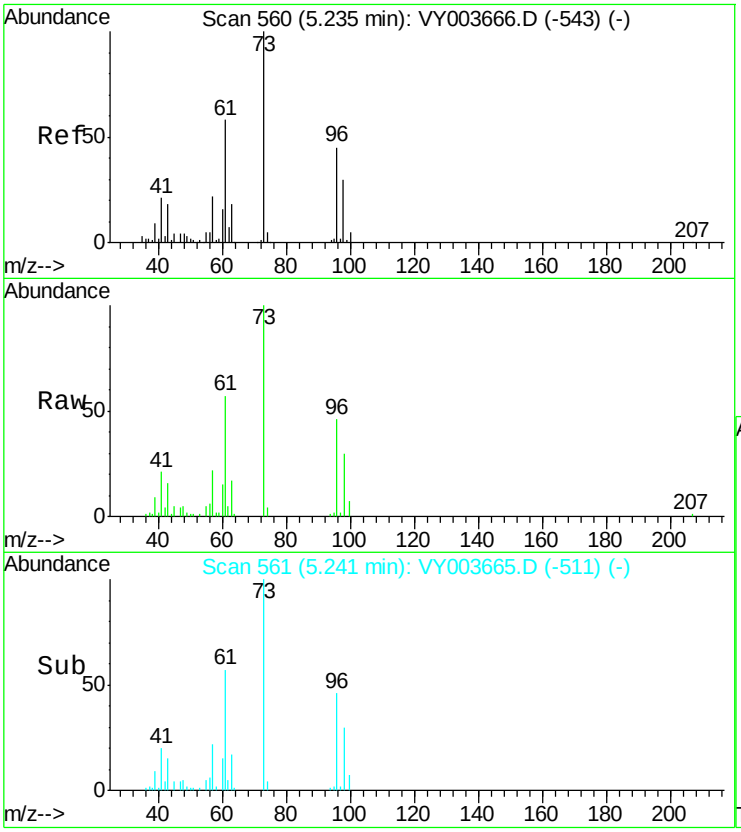




#17
trans-1,2-Dichloroethene
Concen: 4.729 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 96 Resp: 16396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 121.9 | 90.5 | 168.1 |
| 98 | 63.5 | 47.0 | 87.2 |



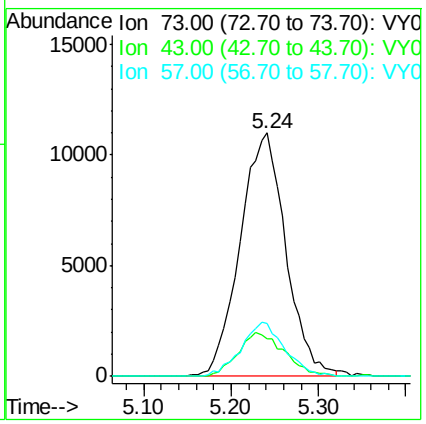


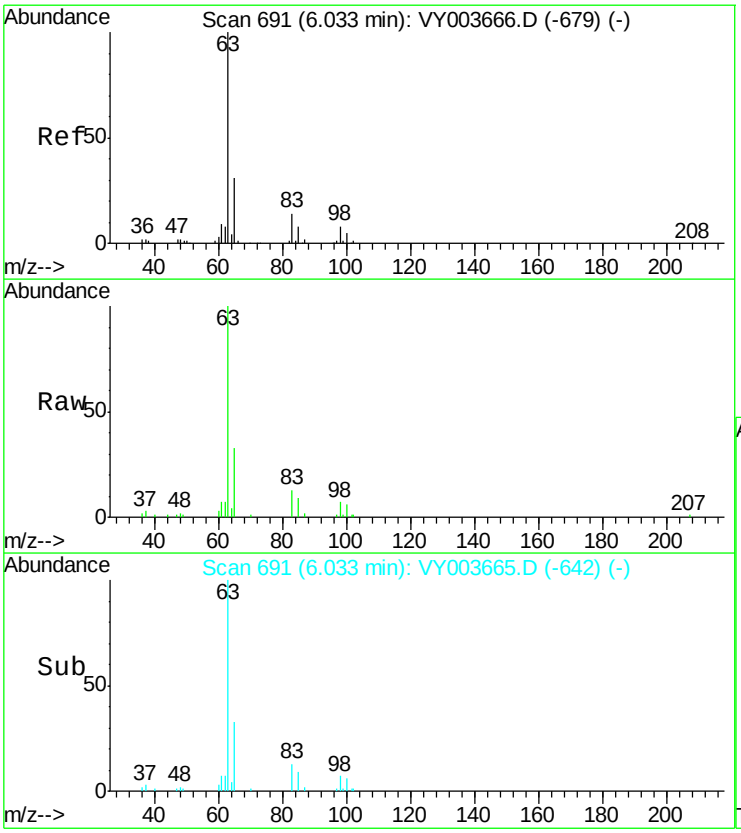

#18
Methyl tert-butyl Ether
Concen: 4.675 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 73 Resp: 39968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.9 | 15.0 | 22.6 |
| 57 | 20.8 | 18.2 | 27.2 |

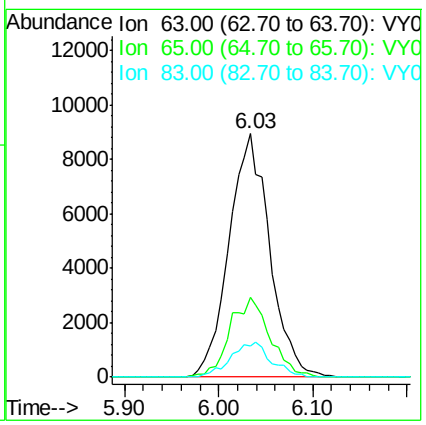


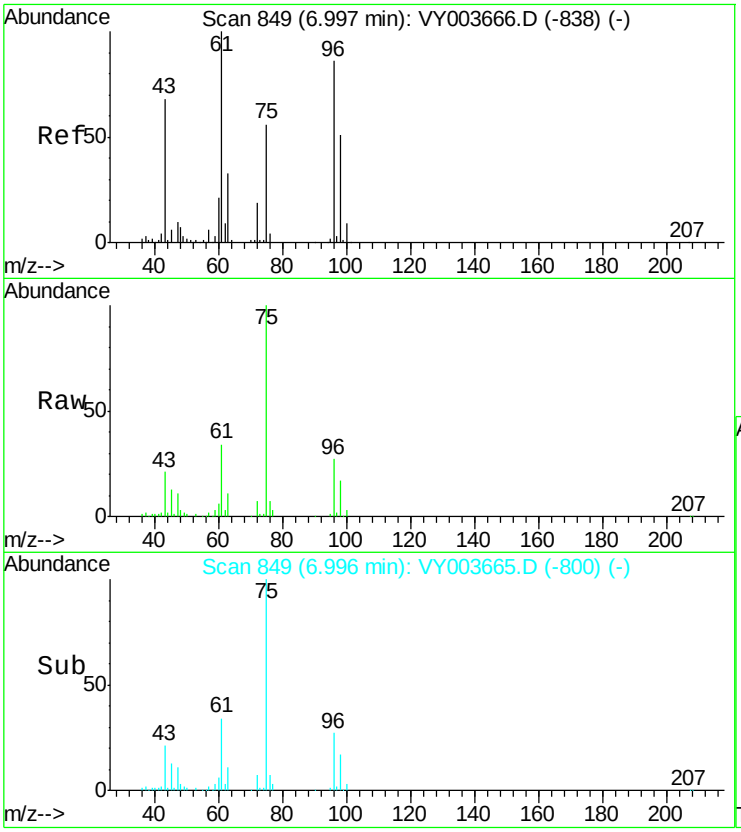




#19
1,1-Dichloroethane
Concen: 4.634 ug/L
RT: 6.03 min Scan# 691
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 63 Resp: 26962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.7 | 21.5 | 39.9 |
| 83 | 13.0 | 9.7 | 17.9 |



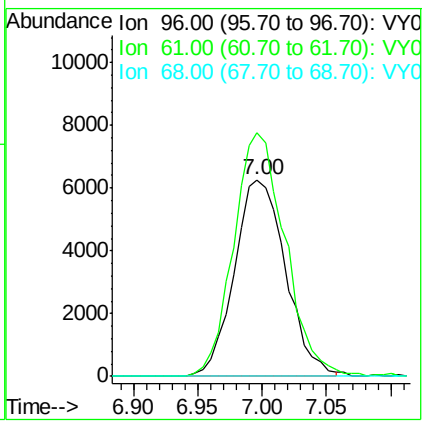


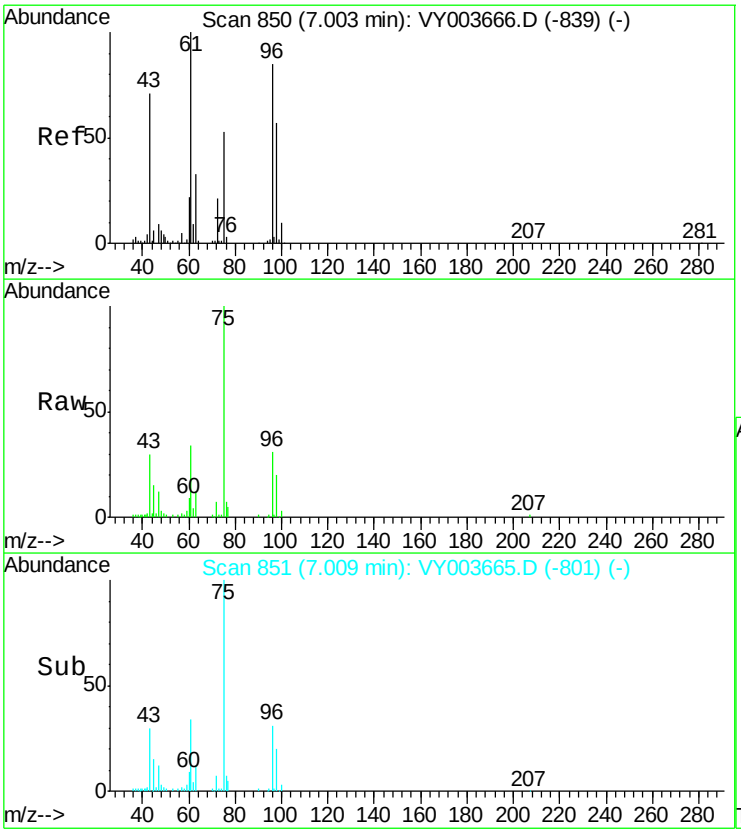

#20
cis-1,2-Dichloroethene
Concen: 4.709 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 96 Resp: 17288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 123.7 | 80.9 | 150.3 |
| 68 | 0.0 | 0.0 | 0.0 |

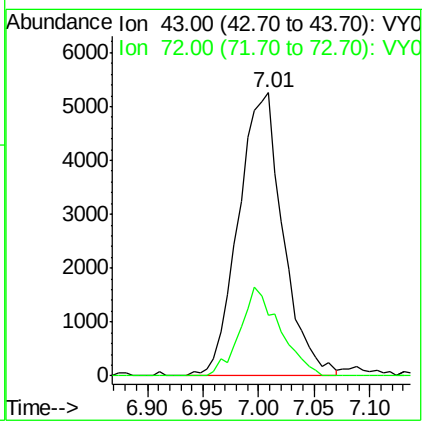


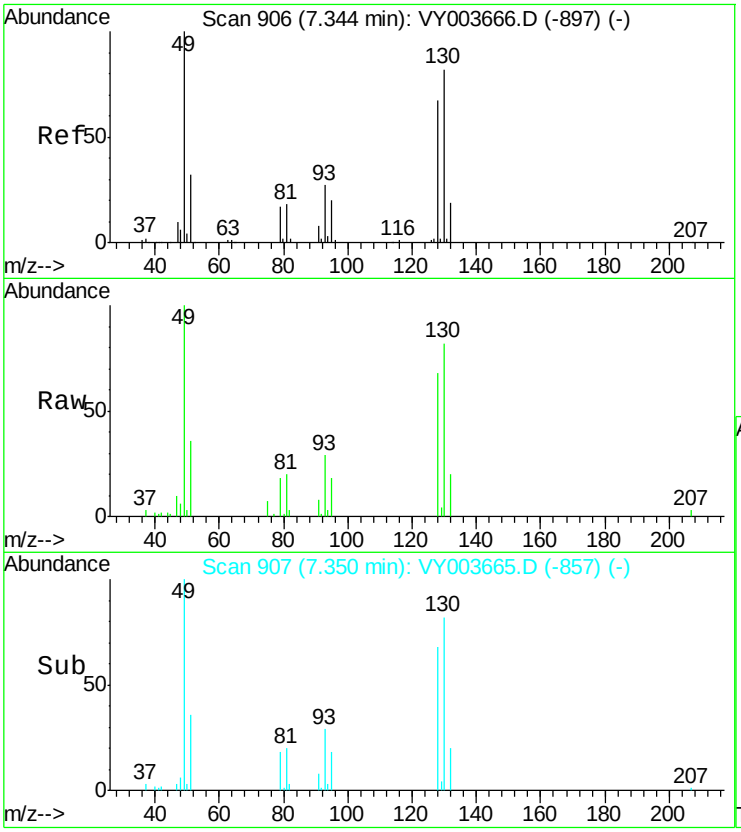




#22
2-Butanone
Concen: 8.993 ug/L
RT: 7.01 min Scan# 851
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 43 Resp: 14682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.0 | 14.1 | 42.4 |



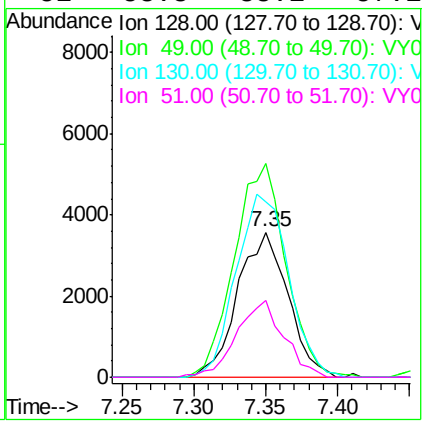


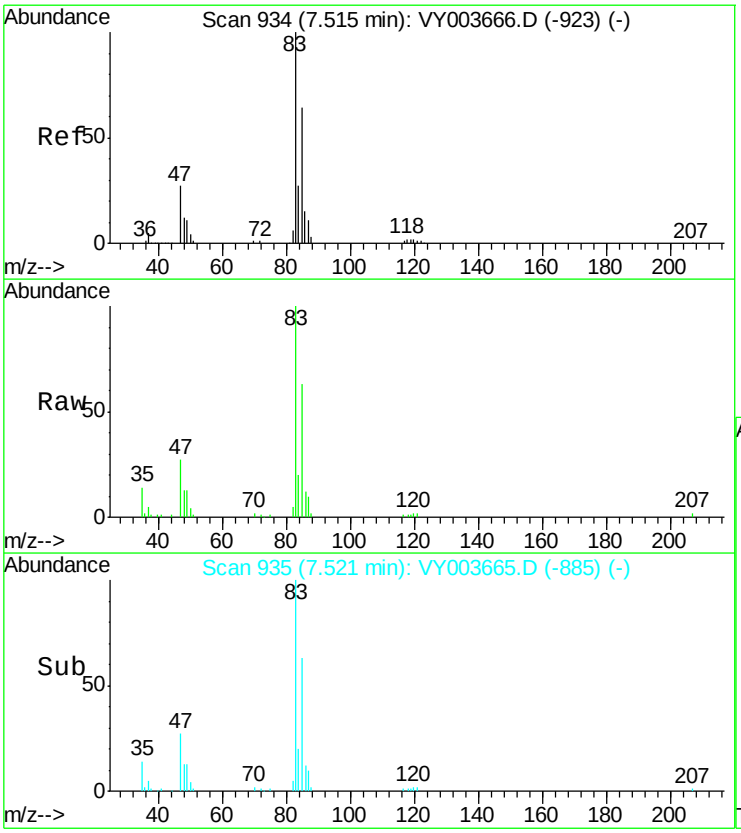

#23
Bromochloromethane
Concen: 4.853 ug/L
RT: 7.35 min Scan# 907
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion:128 Resp: 8676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 147.2 | 105.7 | 196.3 |
| 130 | 120.5 | 86.3 | 160.3 |
| 51 | 53.3 | 38.1 | 57.1 |

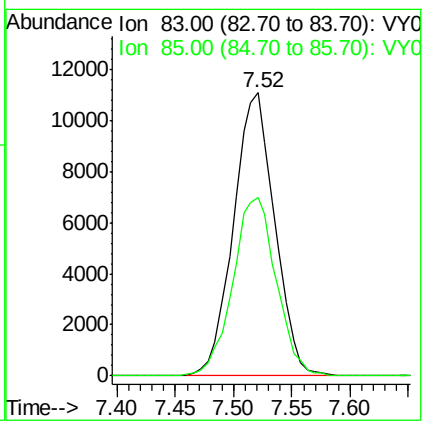


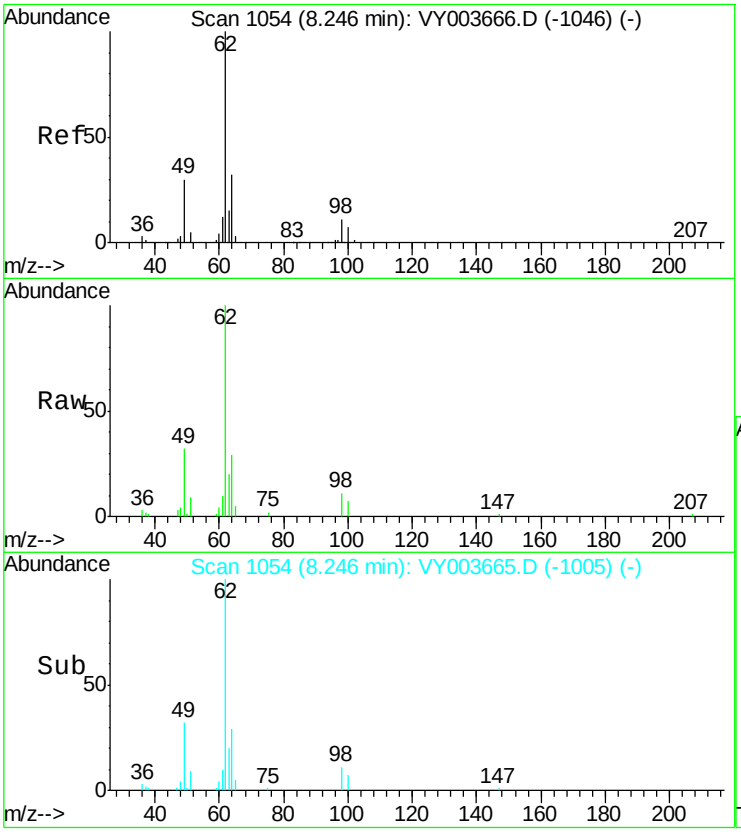




#25
Chloroform
Concen: 4.641 ug/L
RT: 7.52 min Scan# 935
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 83 Resp: 27286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 45.1 | 83.9 |



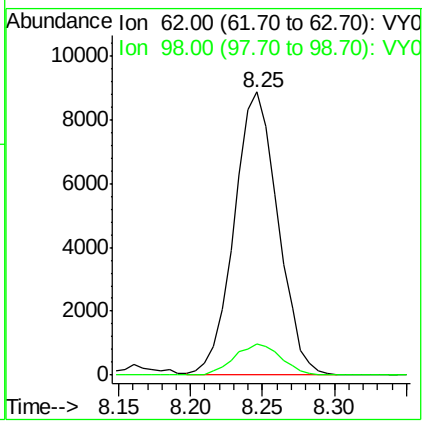


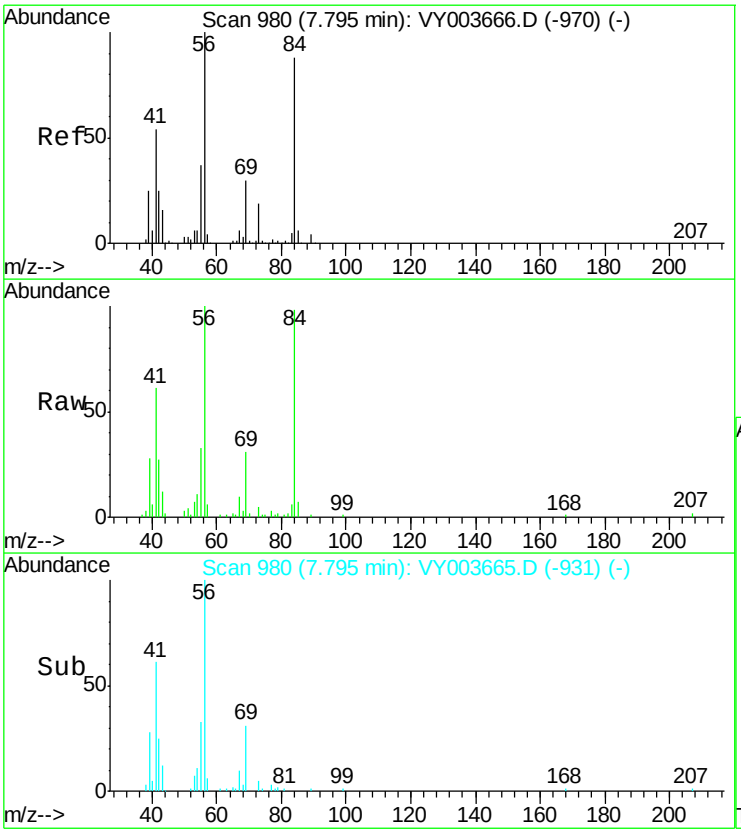

#27
1,2-Dichloroethane
Concen: 4.823 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 62 Resp: 18712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.9 | 8.6 | 13.0 |

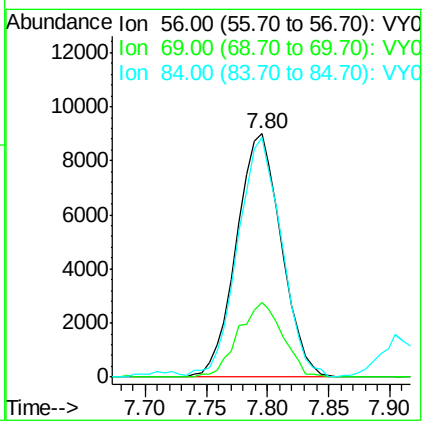


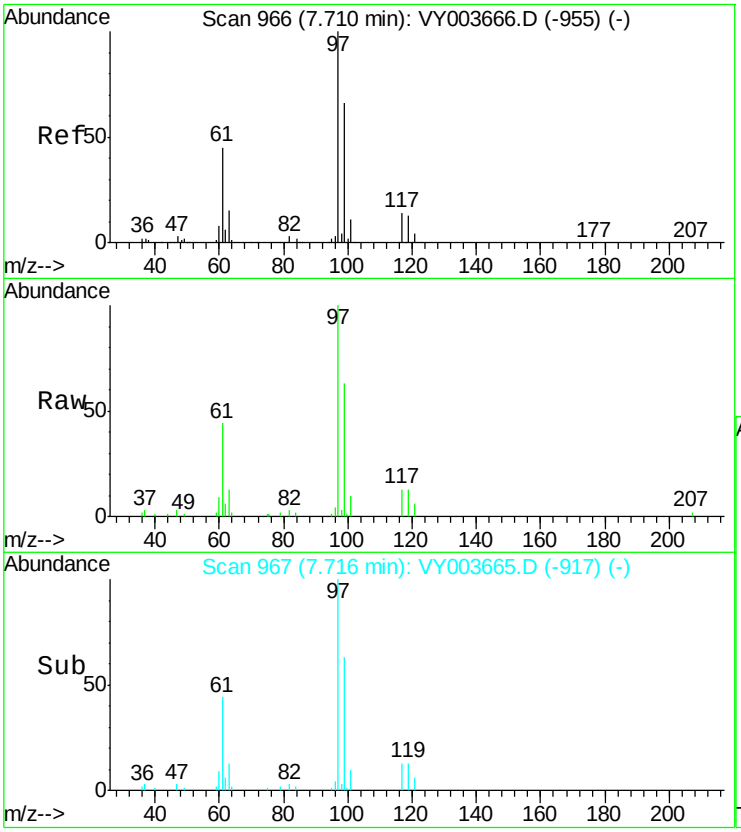




#29
Cyclohexane
Concen: 4.212 ug/L
RT: 7.80 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 56 Resp: 23003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.0 | 24.5 | 36.7 |
| 84 | 96.4 | 73.2 | 109.8 |



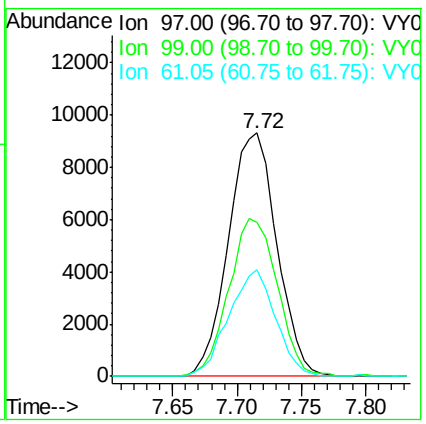


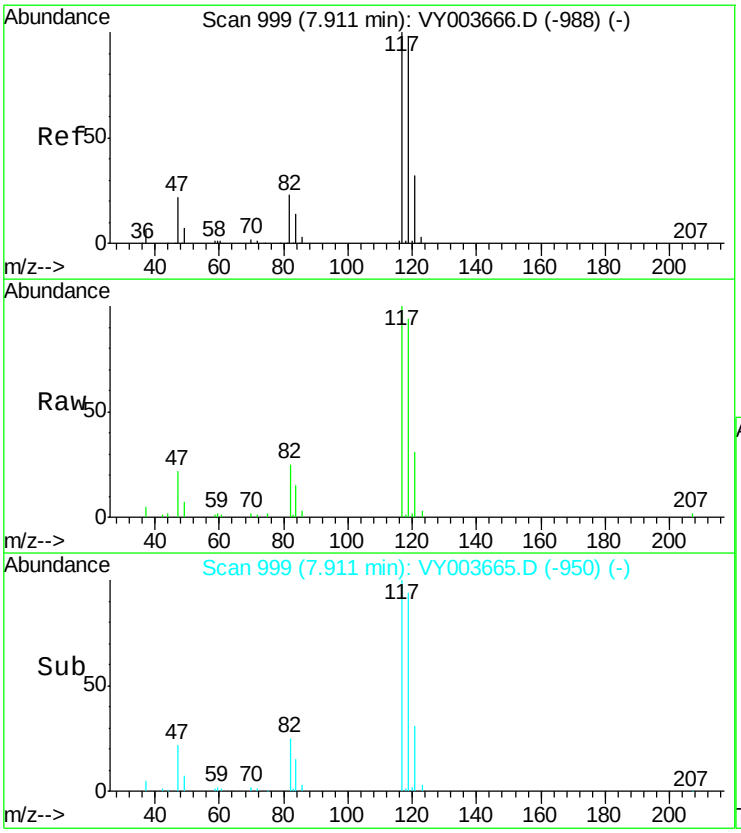

#30
1,1,1-Trichloroethane
Concen: 4.645 ug/L
RT: 7.72 min Scan# 967
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion: 97 Resp: 24406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 52.6 | 79.0 |
| 61 | 42.0 | 35.0 | 52.4 |

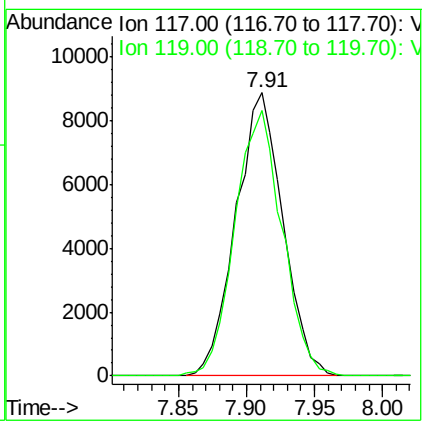


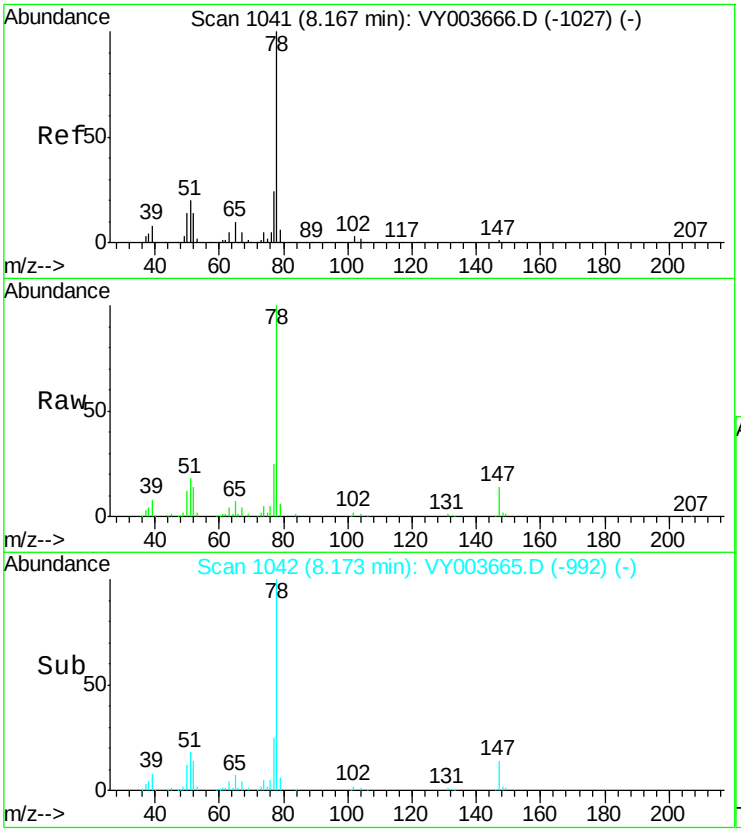




#31
Carbon tetrachloride
Concen: 4.540 ug/L
RT: 7.91 min Scan# 999
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:117 Resp: 21517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.2 | 76.5 | 114.7 |

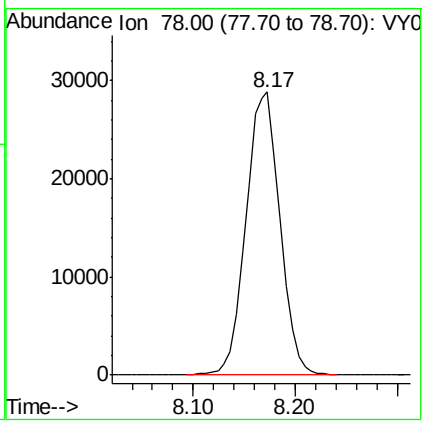


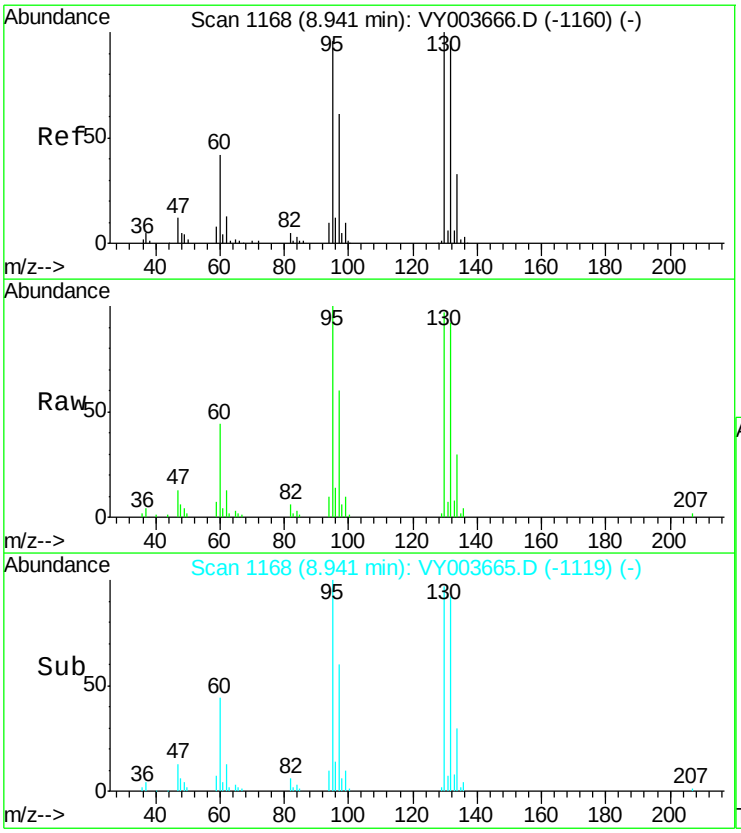



#33
Benzene
Concen: 4.720 ug/L
RT: 8.17 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 78 Resp: 66723

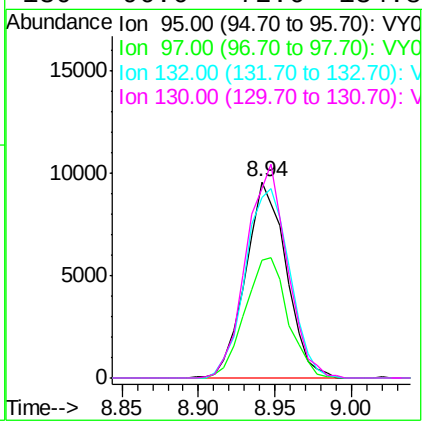


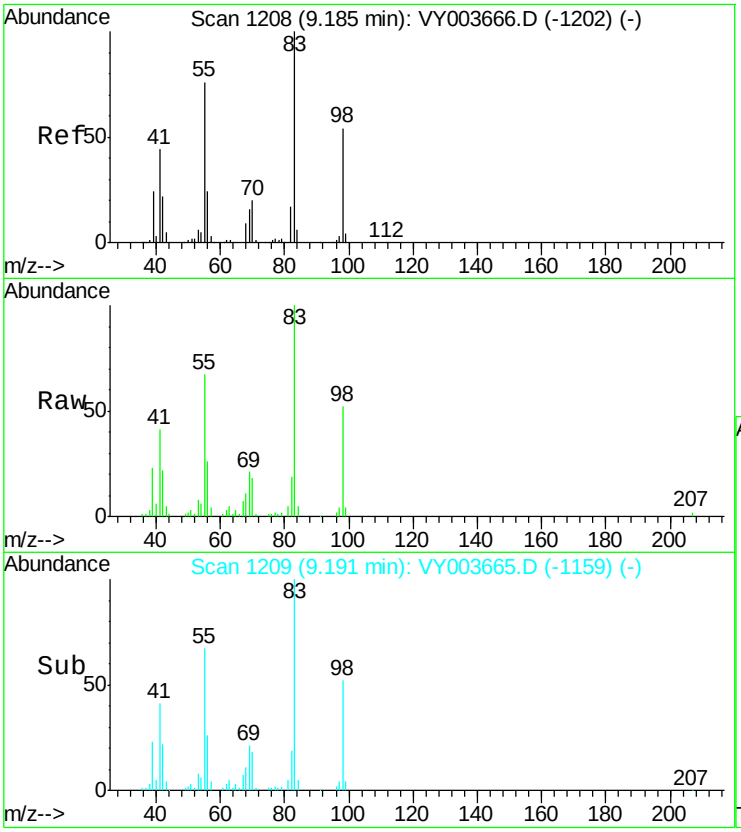




#34
Trichloroethene
Concen: 4.923 ug/L
RT: 8.94 min Scan# 1168
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 95 Resp: 17740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 59.8 | 44.4 | 82.5 |
| 132 | 92.0 | 69.9 | 129.9 |
| 130 | 96.6 | 72.6 | 134.8 |



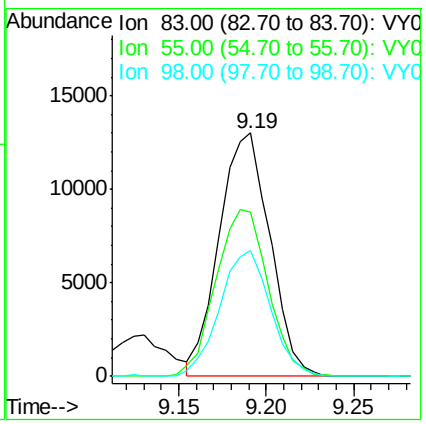


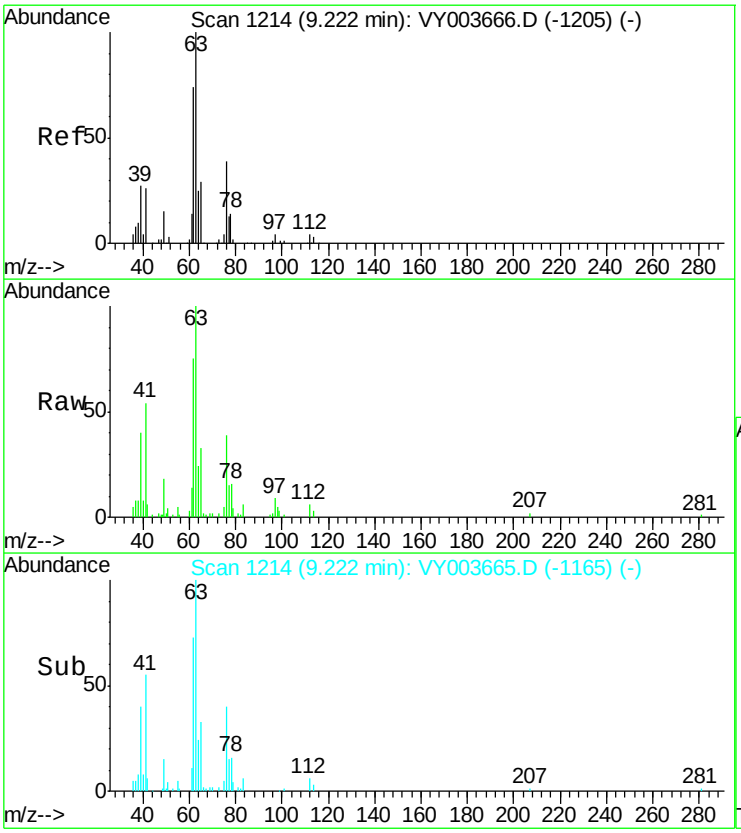

#35
Methylcyclohexane
Concen: 4.358 ug/L
RT: 9.19 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion: 83 Resp: 26303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 70.3 | 57.4 | 86.2 |
| 98 | 51.6 | 40.3 | 60.5 |

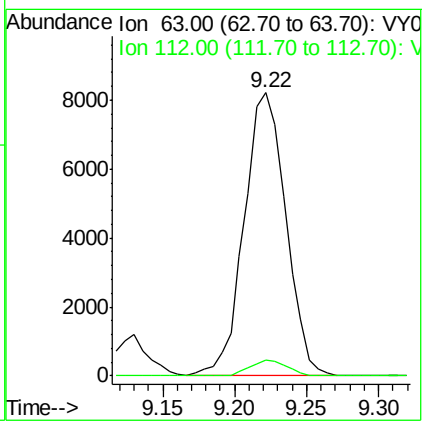


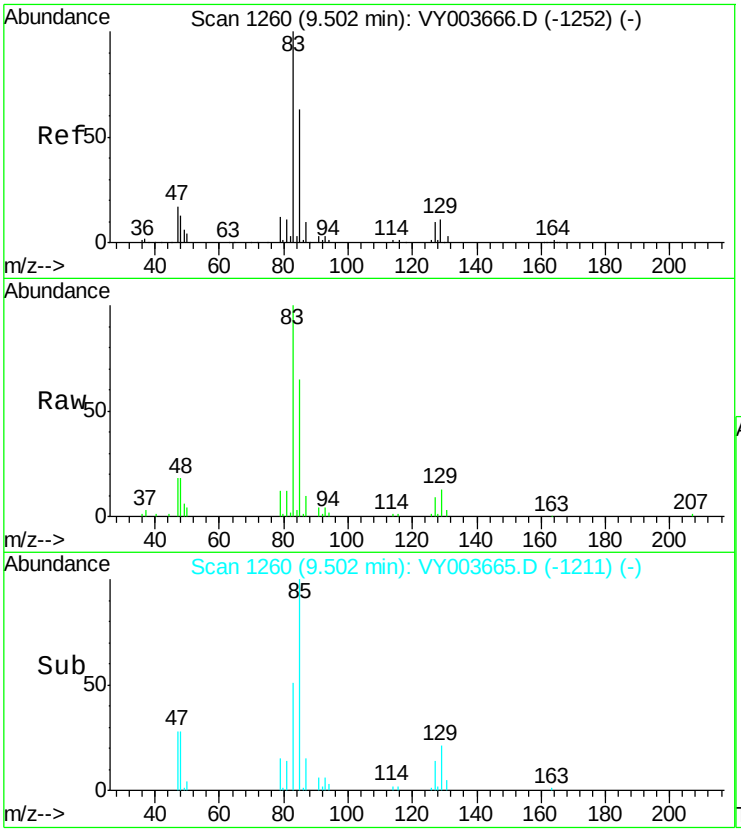




#37
1,2-Dichloropropane
Concen: 4.608 ug/L
RT: 9.22 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 63 Resp: 16503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.8 | 3.8 | 5.6 |



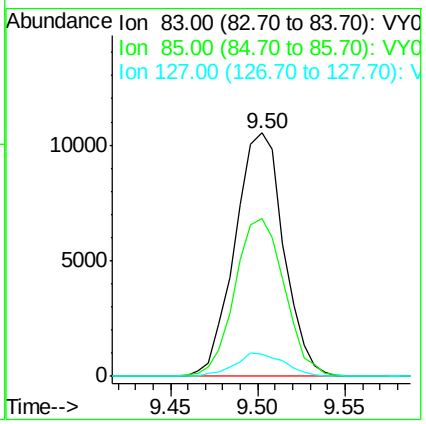


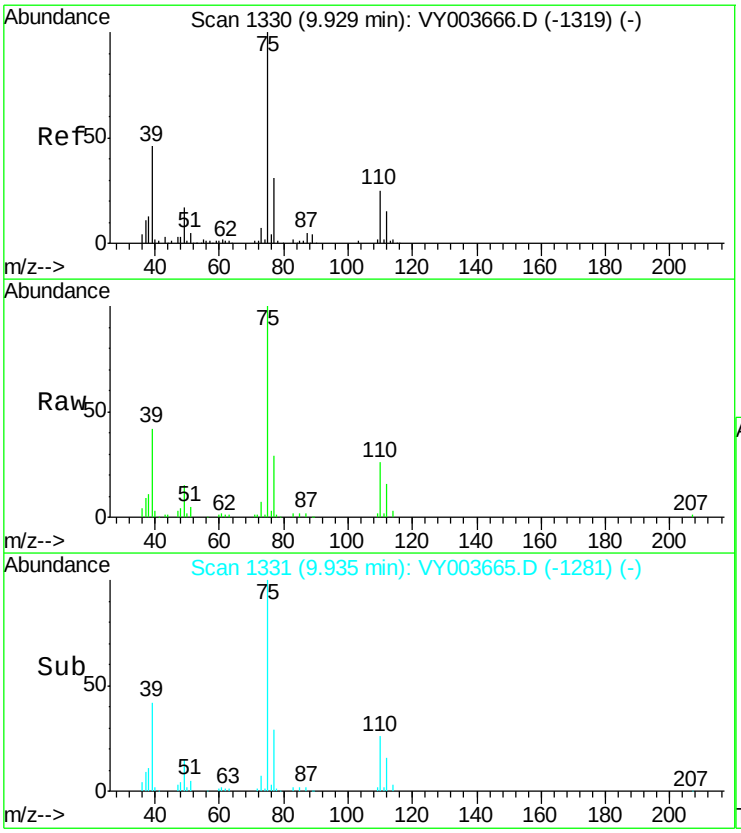

#38
Bromodichloromethane
Concen: 4.518 ug/L
RT: 9.50 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 83 Resp: 20438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 43.8 | 81.3 |
| 127 | 9.3 | 8.2 | 12.2 |

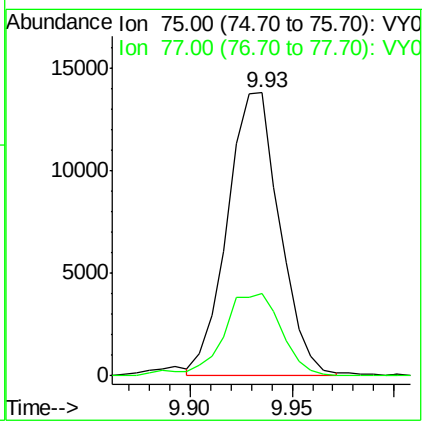


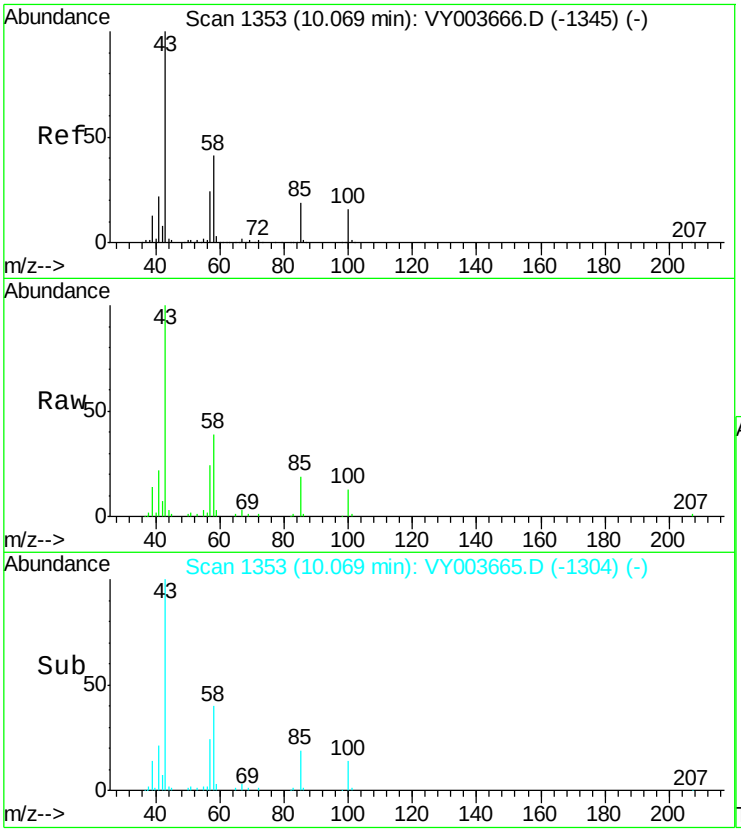




#39
cis-1,3-Dichloropropene
Concen: 4.441 ug/L
RT: 9.93 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 75 Resp: 24652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.2 | 21.9 | 40.7 |



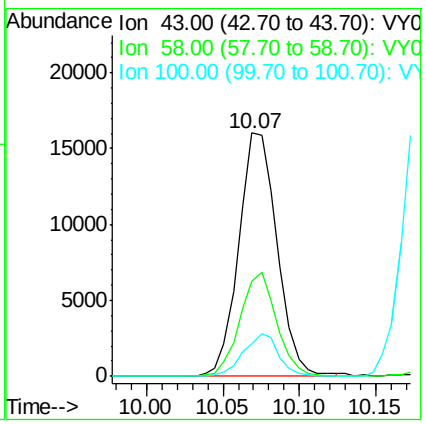


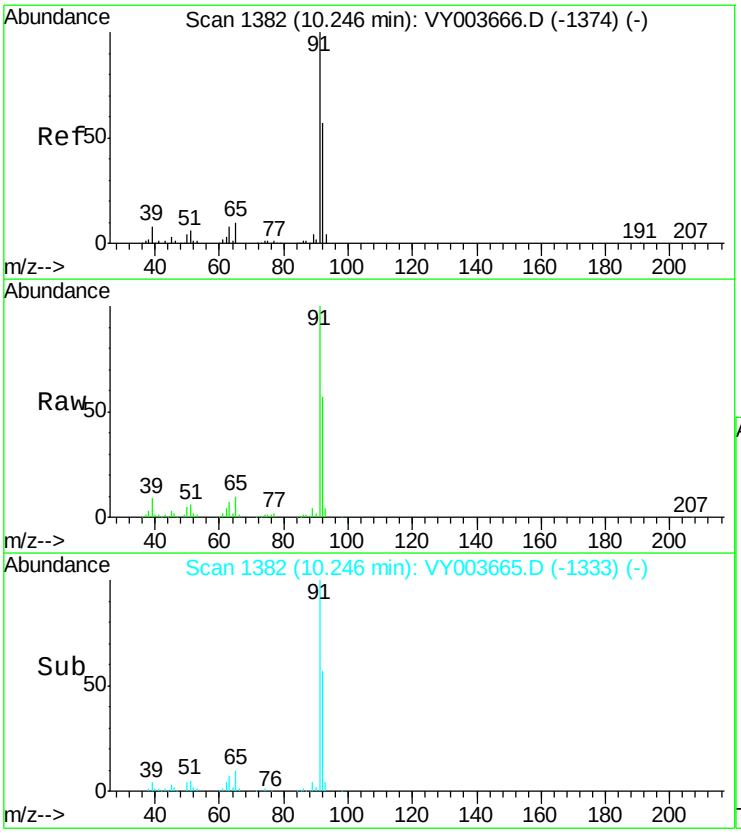

#40
4-Methyl-2-pentanone
Concen: 8.838 ug/L
RT: 10.07 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion: 43 Resp: 28000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.6 | 32.5 | 48.7 |
| 100 | 16.1 | 13.4 | 20.0 |

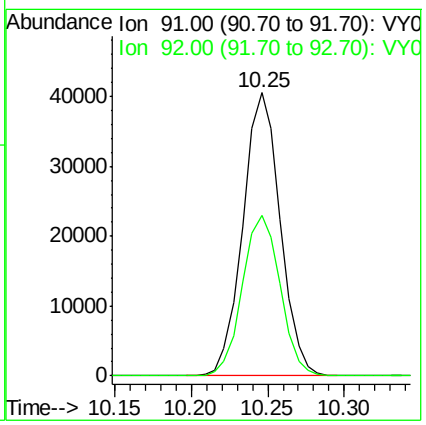


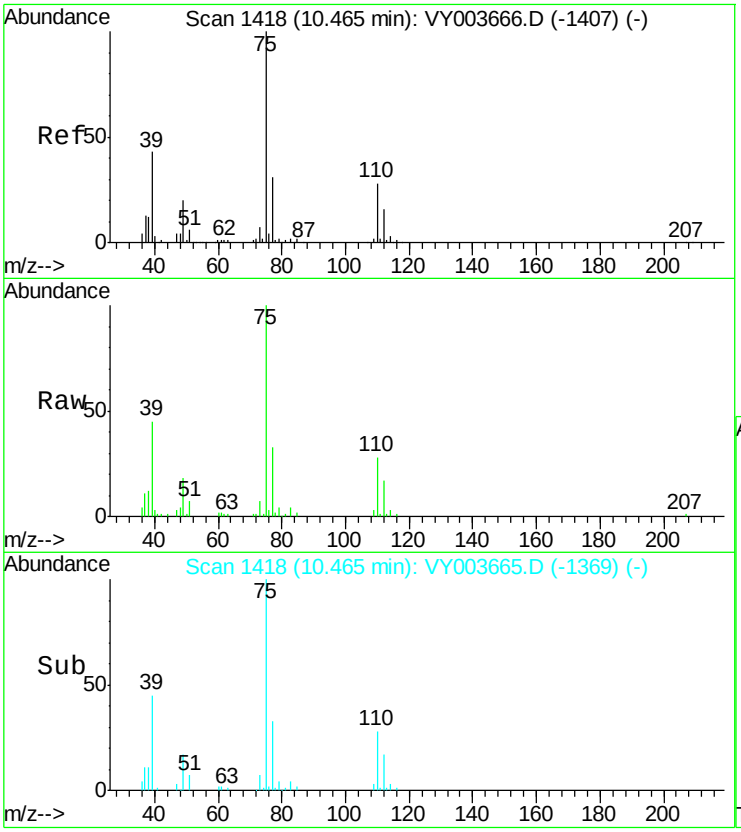




#42
Toluene
Concen: 4.611 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 91 Resp: 68720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.7 | 39.8 | 74.0 |



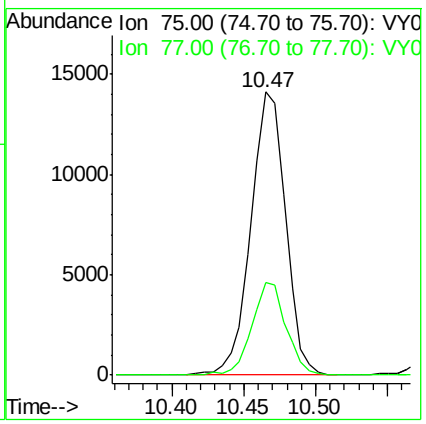


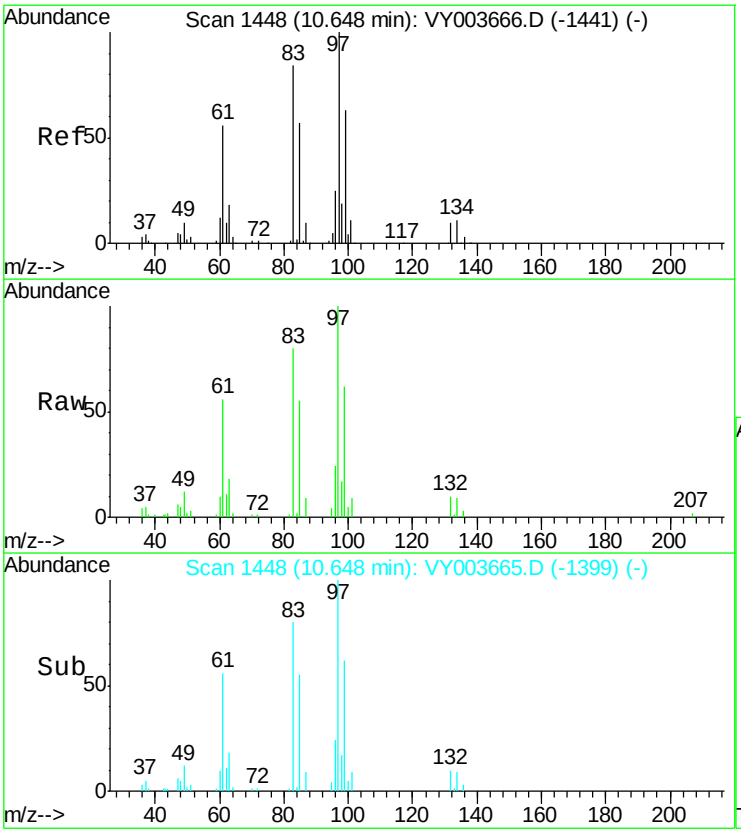

#44
trans-1,3-Dichloropropene
Concen: 4.557 ug/L
RT: 10.47 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 75 Resp: 23407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 21.8 | 40.6 |

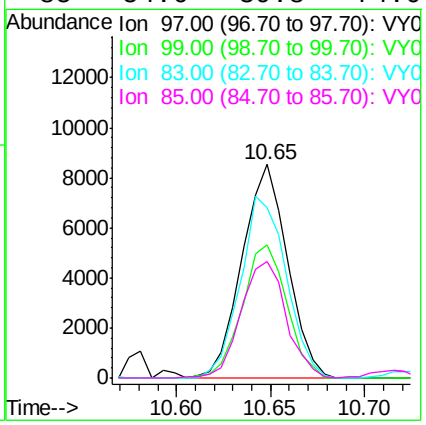


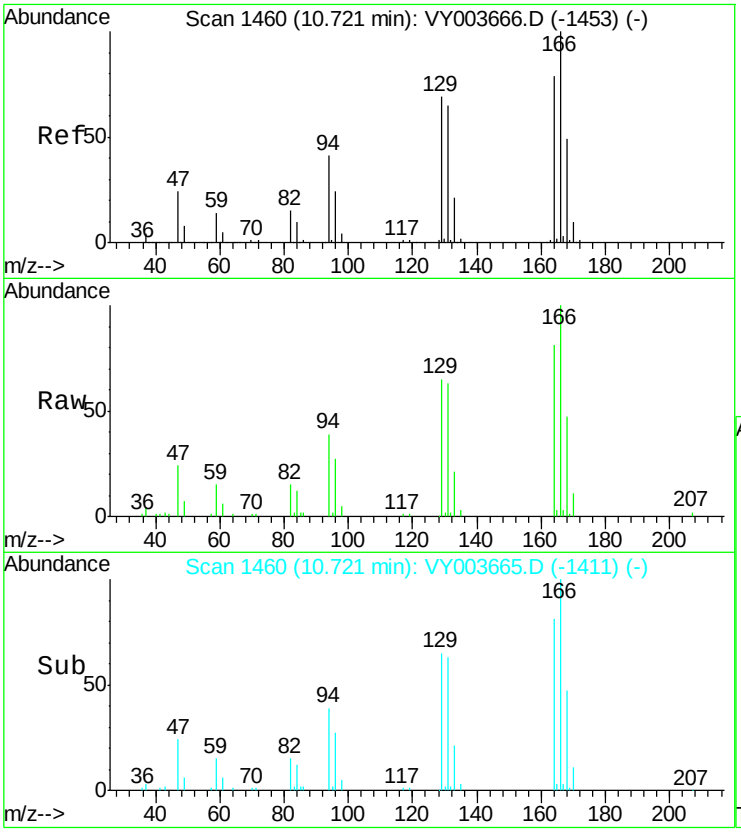




#45
1,1,2-Trichloroethane
Concen: 4.713 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 97 Resp: 14290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.4 | 44.1 | 81.9 |
| 83 | 79.8 | 59.1 | 109.7 |
| 85 | 54.6 | 39.8 | 74.0 |



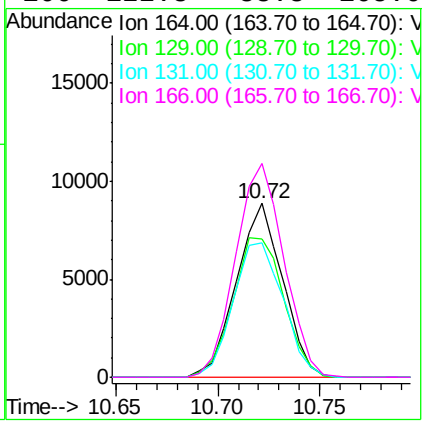


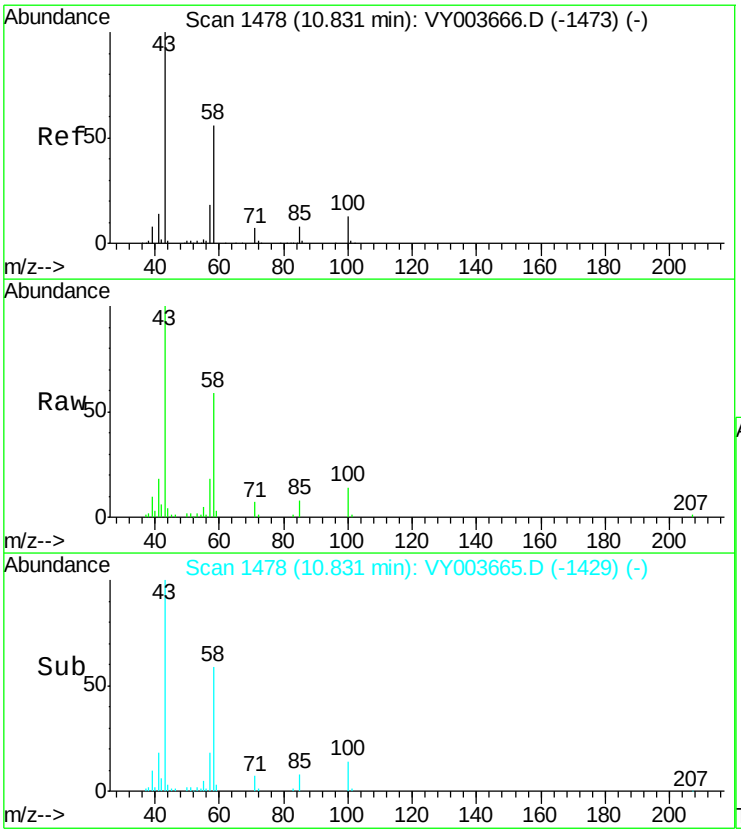

#46
Tetrachloroethene
Concen: 4.615 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion:164 Resp: 13994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 79.2 | 61.2 | 113.6 |
| 131 | 77.4 | 57.3 | 106.5 |
| 166 | 122.8 | 88.8 | 165.0 |

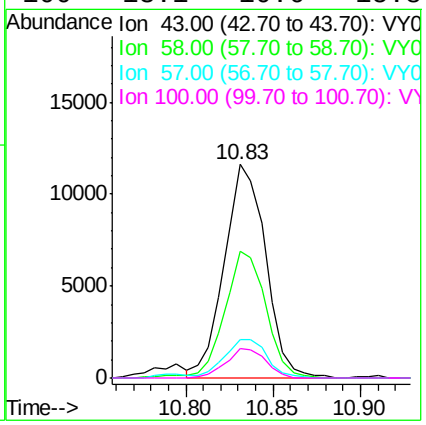


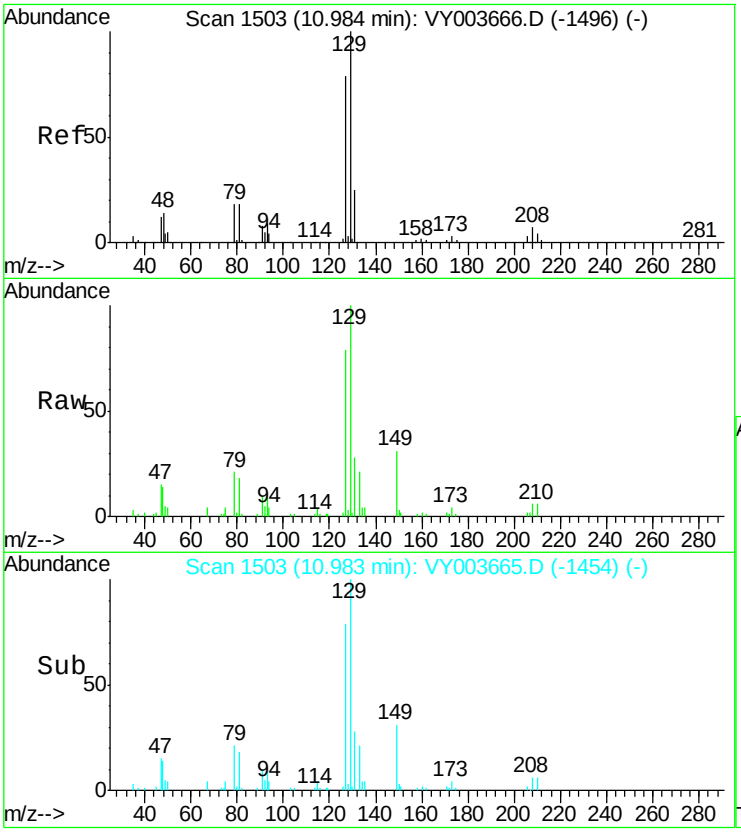




#48
2-Hexanone
Concen: 8.390 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 43 Resp: 19144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 58.3 | 45.6 | 68.4 |
| 57 | 18.5 | 15.1 | 22.7 |
| 100 | 13.1 | 10.6 | 15.8 |



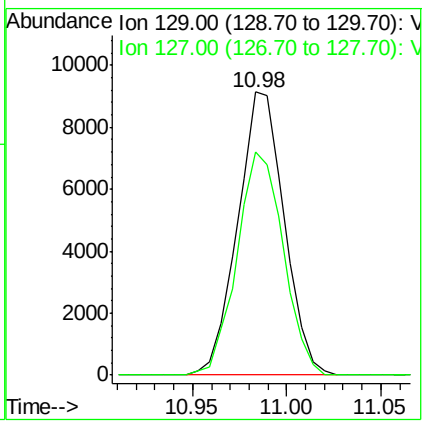


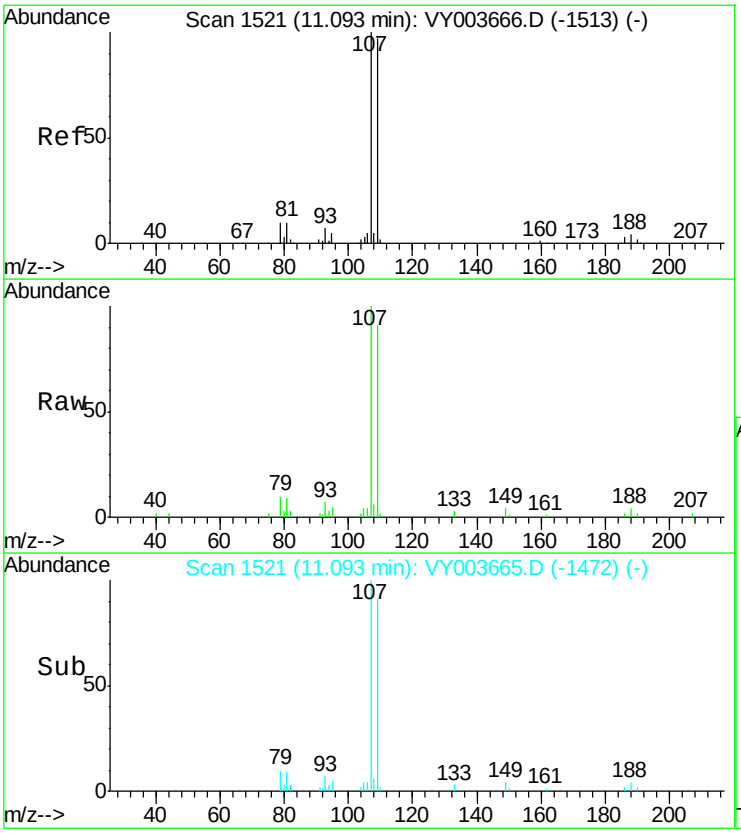

#49
Dibromochloromethane
Concen: 4.451 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion:129 Resp: 15614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.7 | 55.0 | 102.2 |

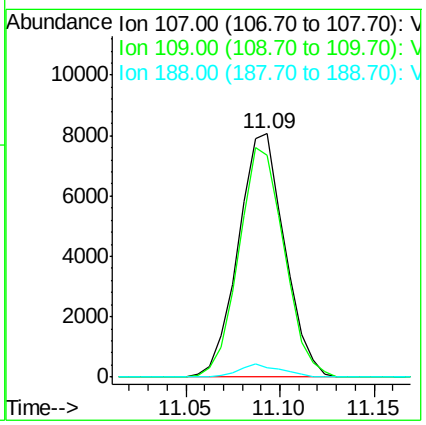


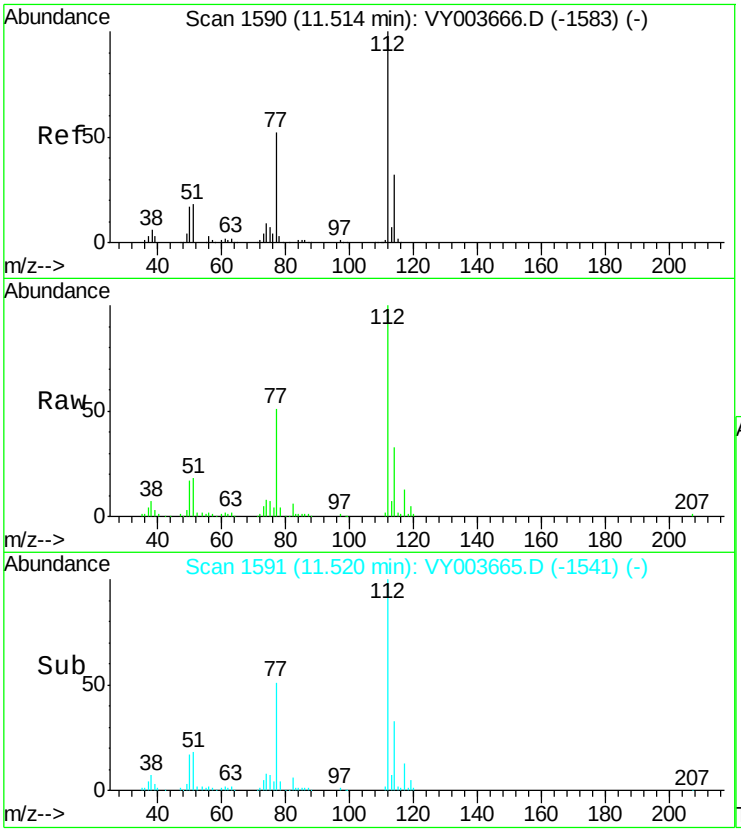




#50
1,2-Dibromoethane
Concen: 4.680 ug/L
RT: 11.09 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:107 Resp: 13758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.3 | 67.9 | 126.1 |
| 188 | 3.6 | 3.2 | 4.8 |



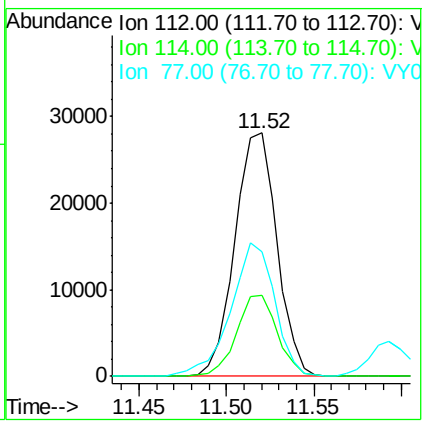


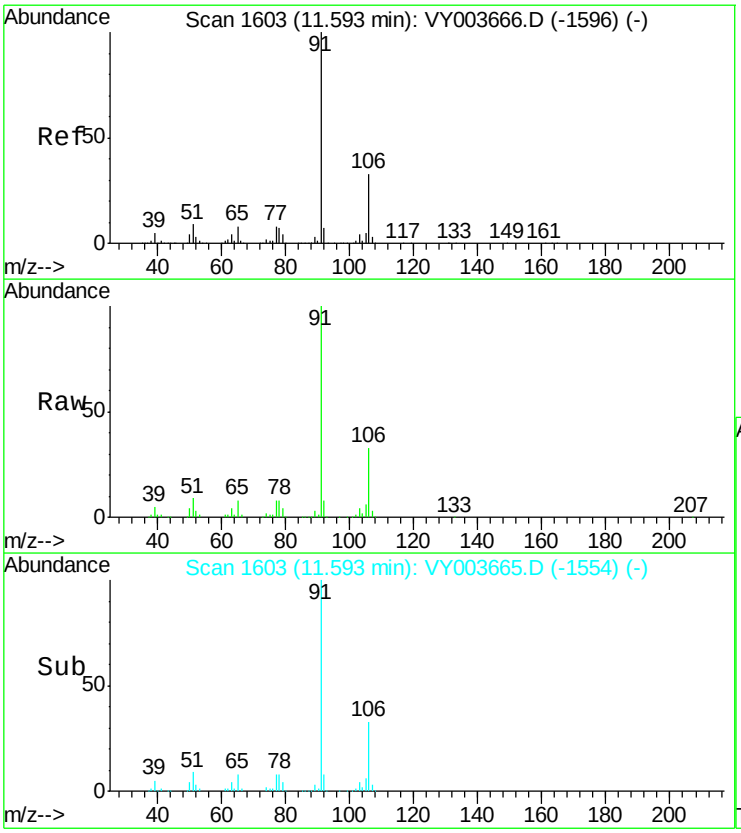

#51
Chlorobenzene
Concen: 4.893 ug/L
RT: 11.52 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion:112 Resp: 47174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.4 | 22.4 | 41.6 |
| 77 | 51.0 | 42.2 | 63.2 |

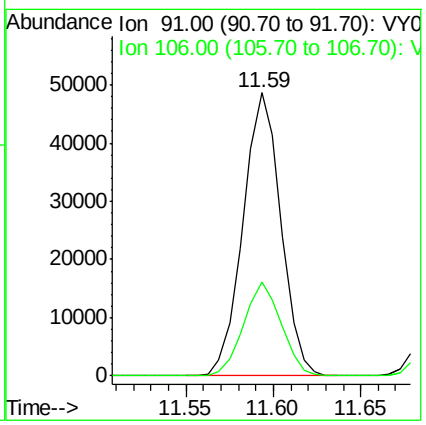


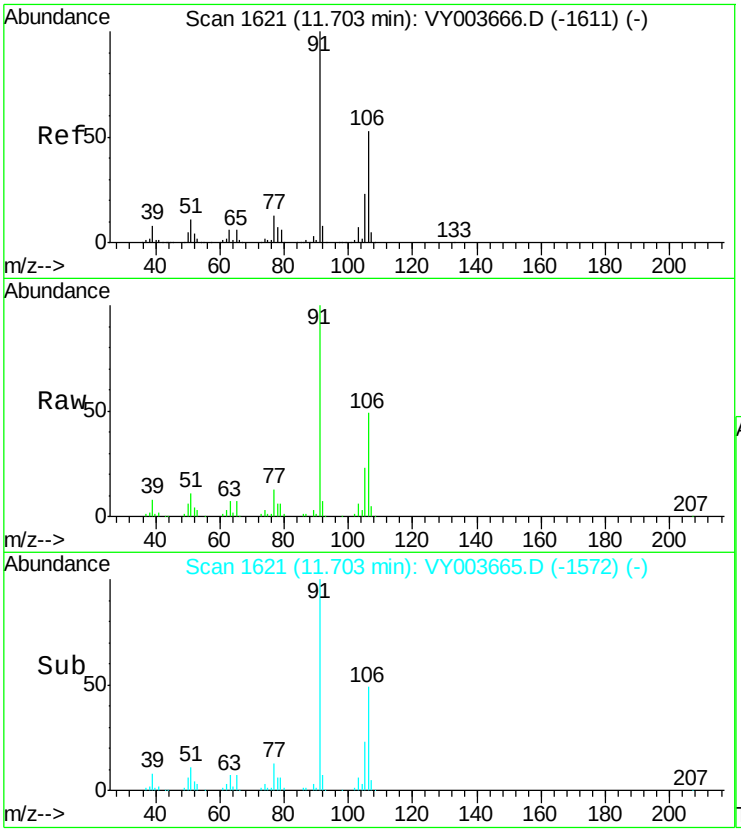




#52
Ethylbenzene
Concen: 4.577 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 91 Resp: 73247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 33.0 | 22.9 | 42.5 |



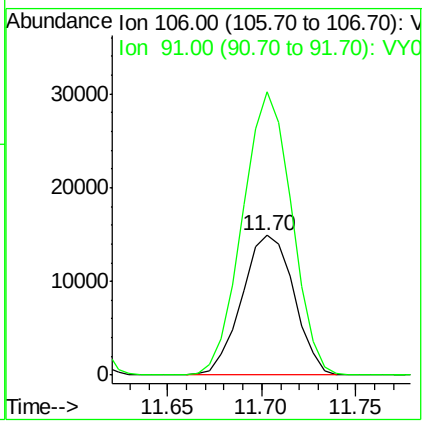


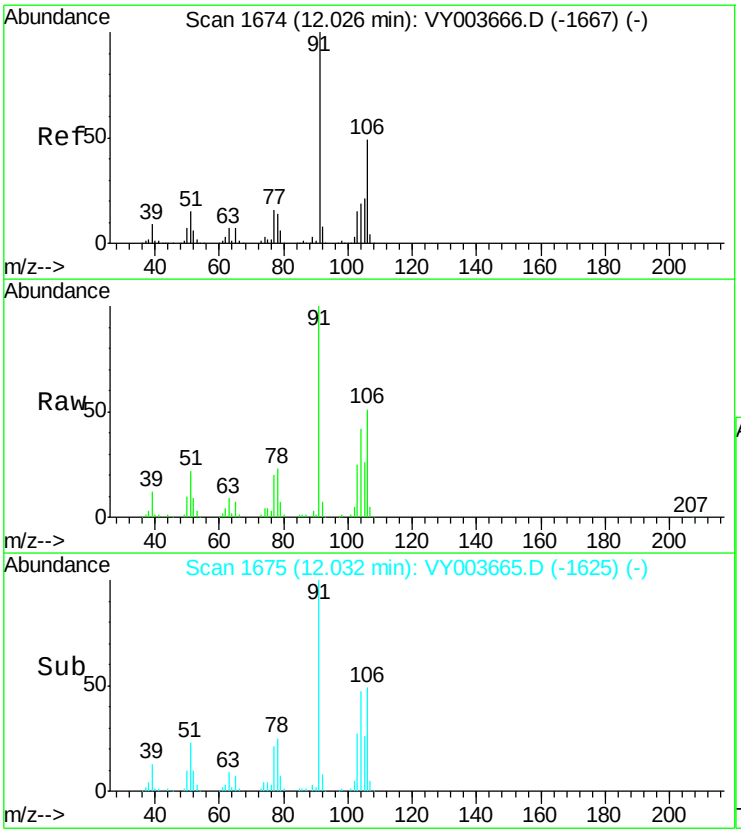

#53
m,p-Xylene
Concen: 4.558 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion:106 Resp: 28576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.4 | 133.2 | 247.4 |

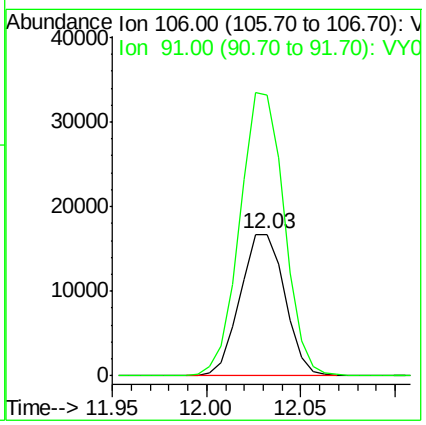


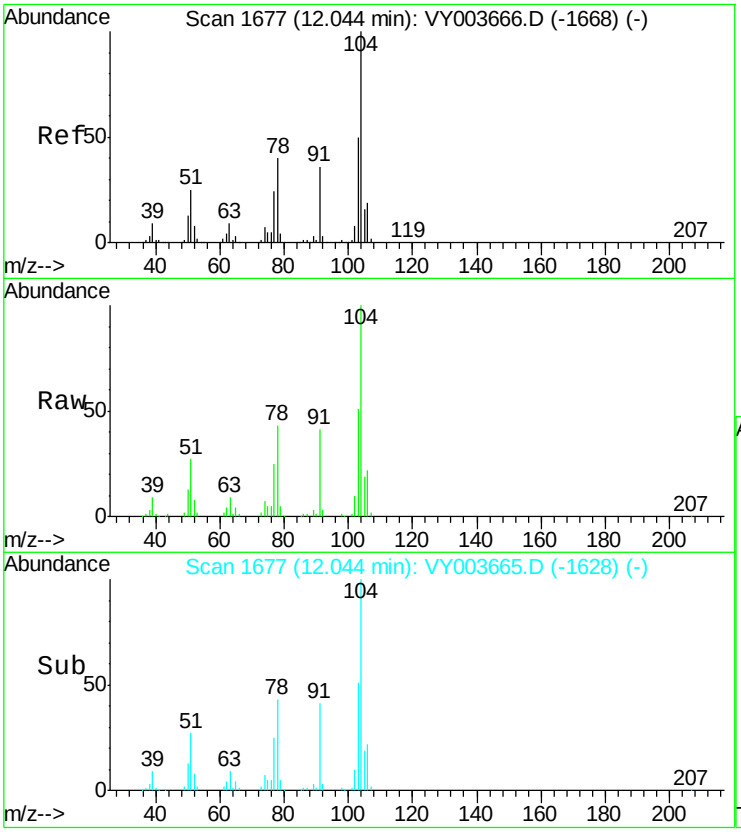




#54
o-Xylene
Concen: 4.637 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:106 Resp: 27555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 197.8 | 144.0 | 267.4 |



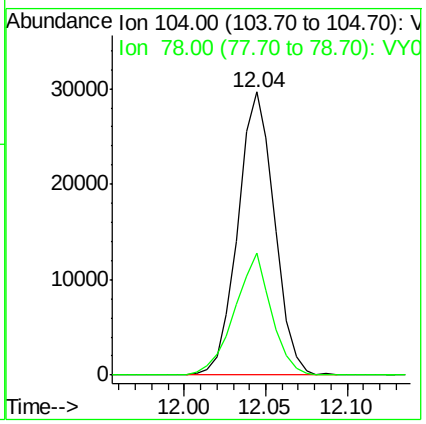


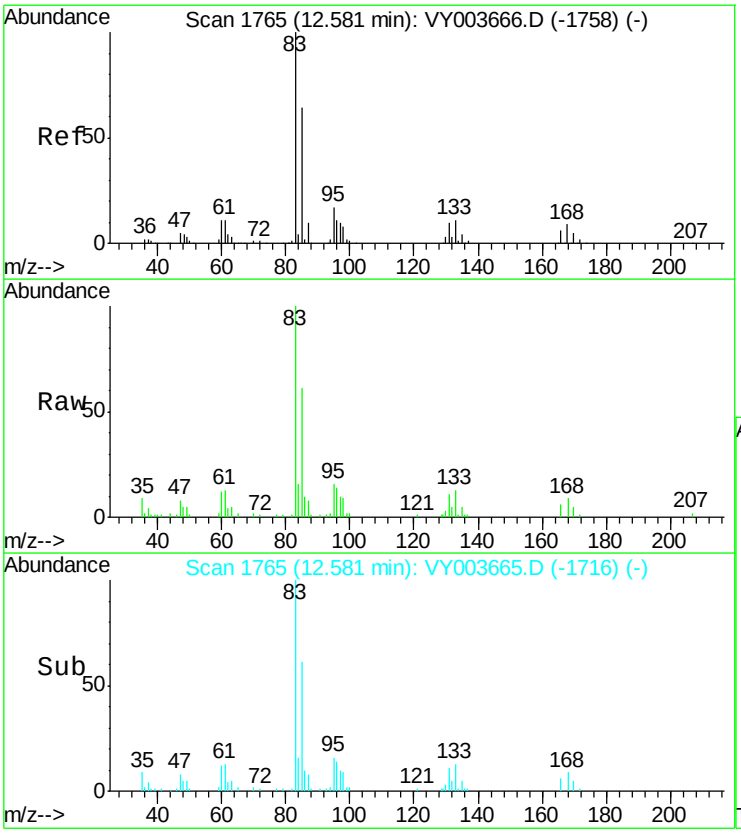

#55
Styrene
Concen: 4.561 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion:104 Resp: 46256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.9 | 28.1 | 52.1 |

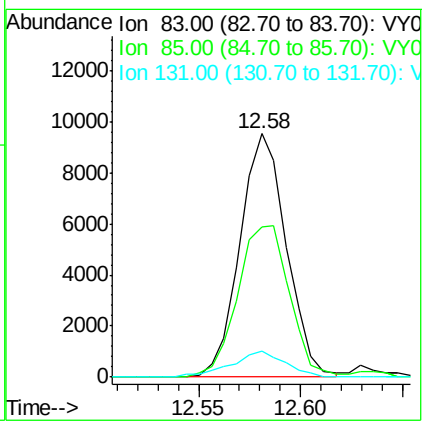


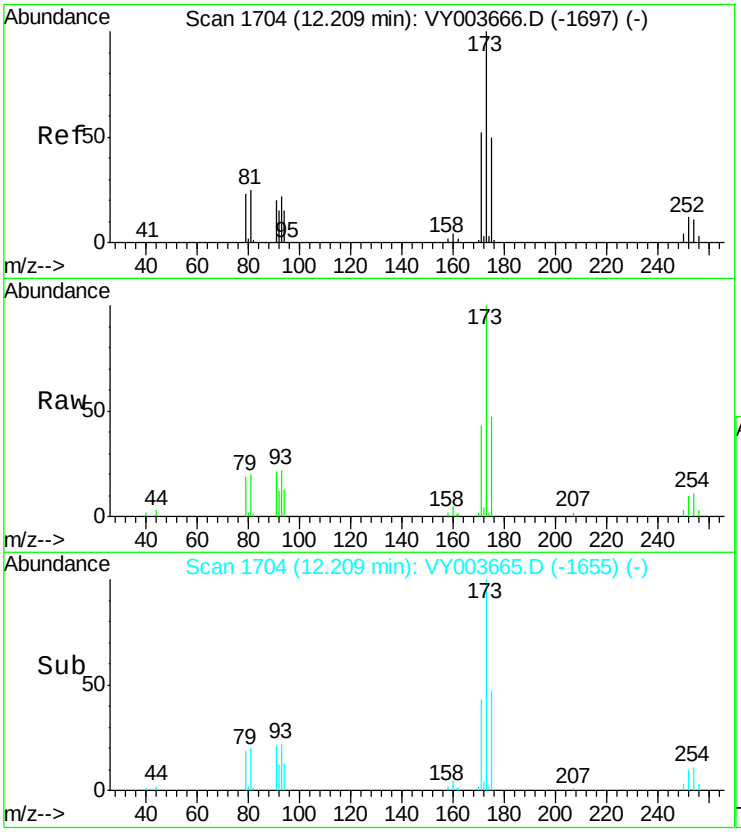




#57
1,1,2,2-Tetrachloroethane
Concen: 3.878 ug/L
RT: 12.58 min Scan# 1765
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion: 83 Resp: 15090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.4 | 44.7 | 82.9 |
| 131 | 10.5 | 8.4 | 12.6 |



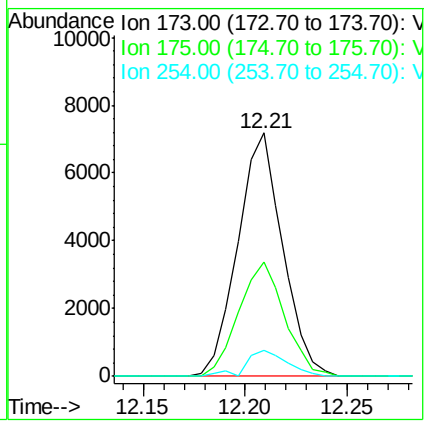


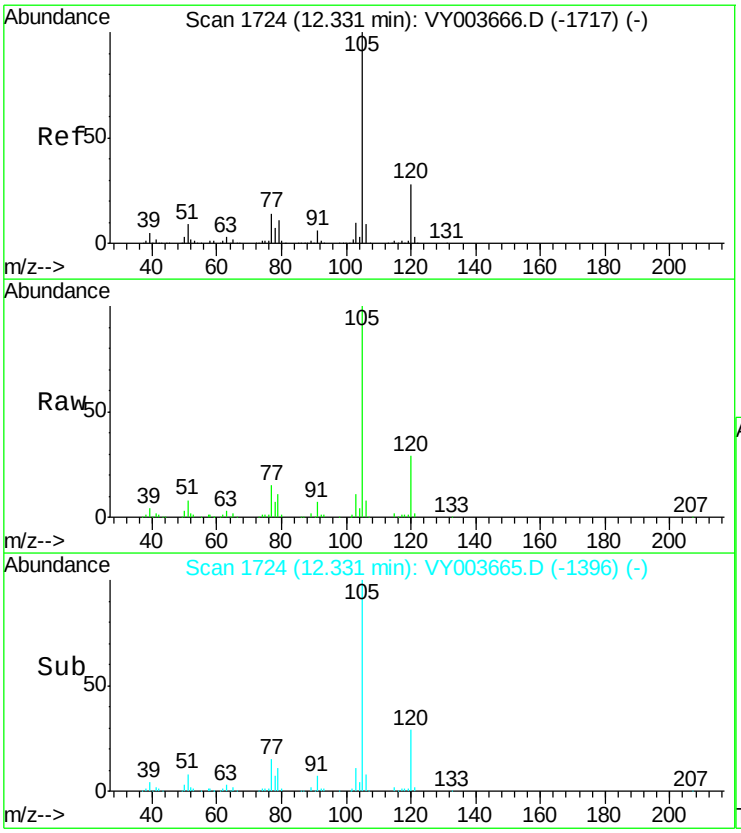

#59
Bromoform
Concen: 4.559 ug/L
RT: 12.21 min Scan# 1704
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion:173 Resp: 10973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 39.9 | 59.9 |
| 254 | 9.0 | 8.6 | 12.8 |

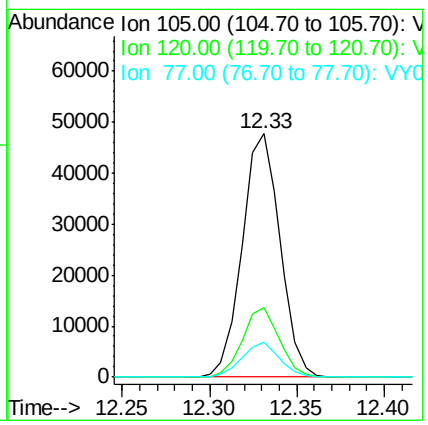


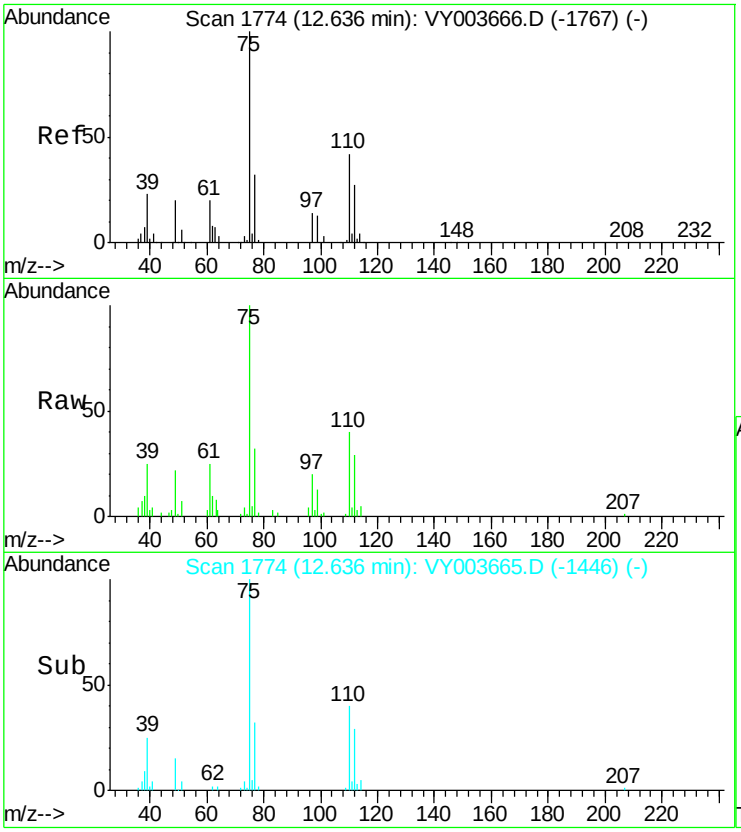




#60
Isopropylbenzene
Concen: 4.610 ug/L
RT: 12.33 min Scan# 1724
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:105 Resp: 72189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.8 | 22.0 | 33.0 |
| 77 | 14.1 | 11.7 | 17.5 |



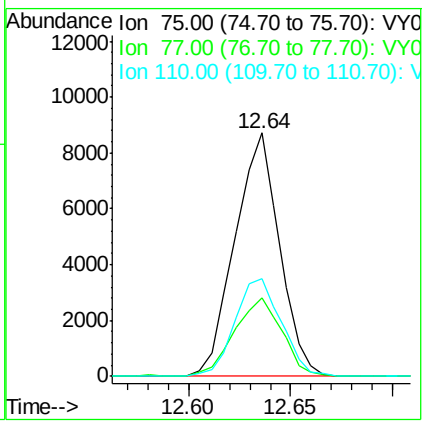


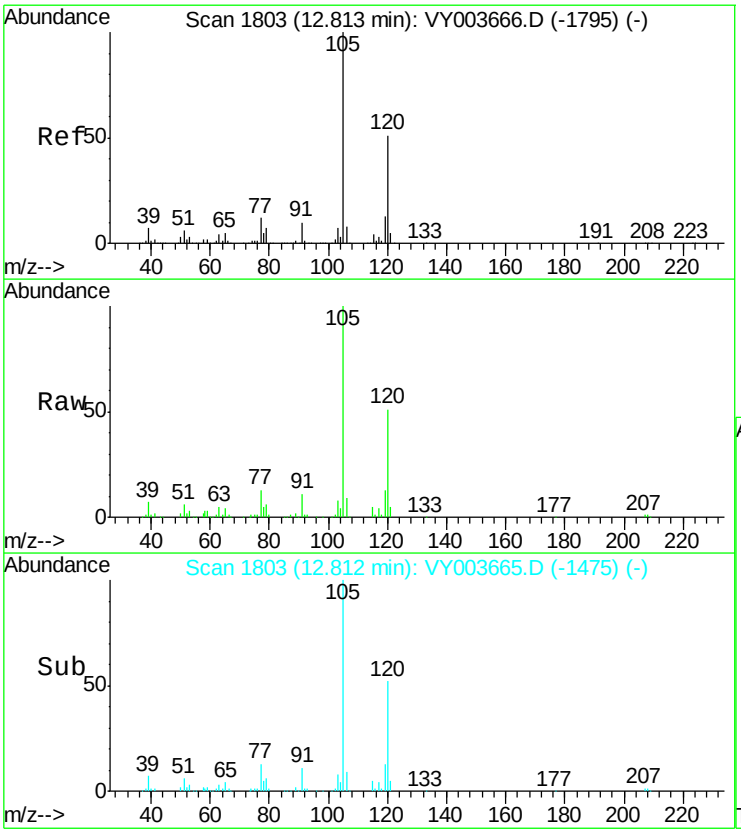

#61
1,2,3-Trichloropropane
Concen: 4.536 ug/L
RT: 12.64 min Scan# 1774
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion: 75 Resp: 13267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.4 | 26.3 | 39.5 |
| 110 | 41.4 | 33.3 | 49.9 |

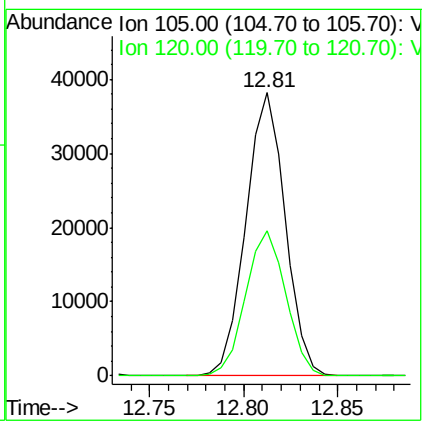


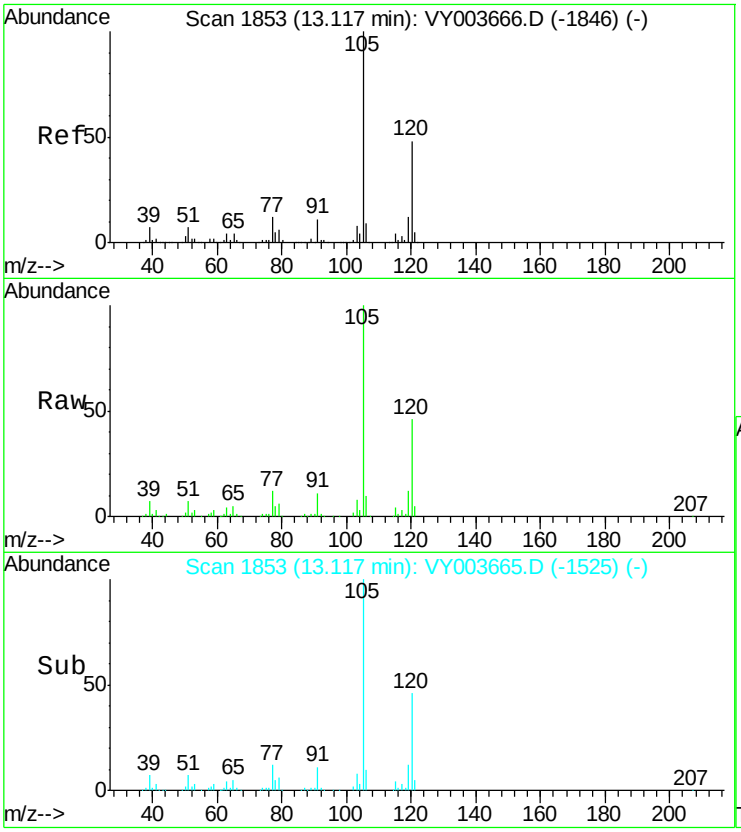




#62
1,3,5-Trimethylbenzene
Concen: 4.443 ug/L
RT: 12.81 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:105 Resp: 55228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 52.5 | 41.3 | 61.9 |



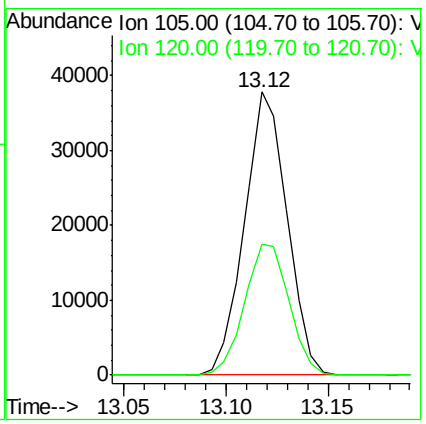


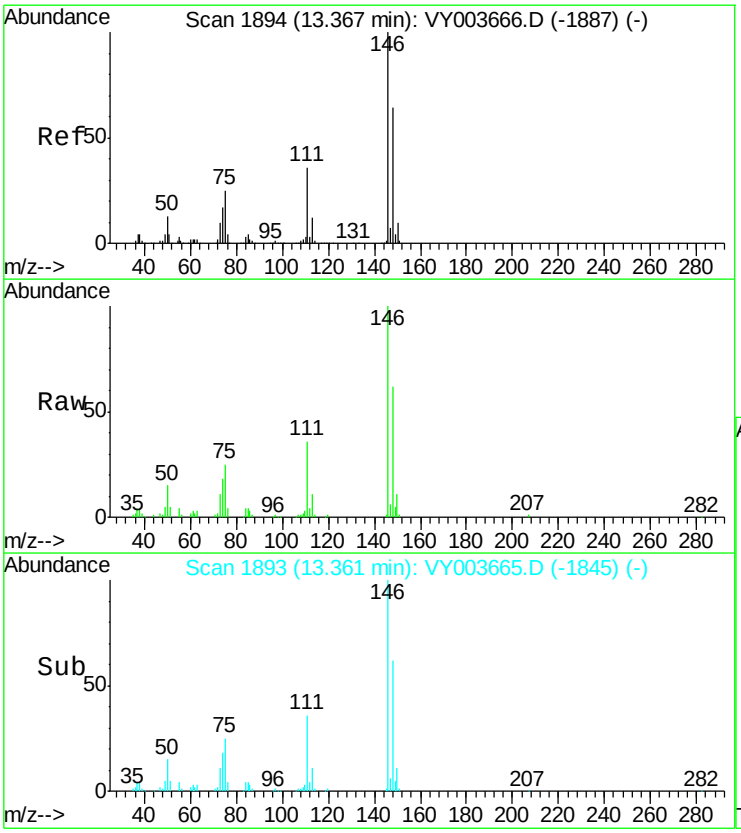

#63
1,2,4-Trimethylbenzene
Concen: 4.470 ug/L
RT: 13.12 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion:105 Resp: 54988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 38.6 | 57.8 |

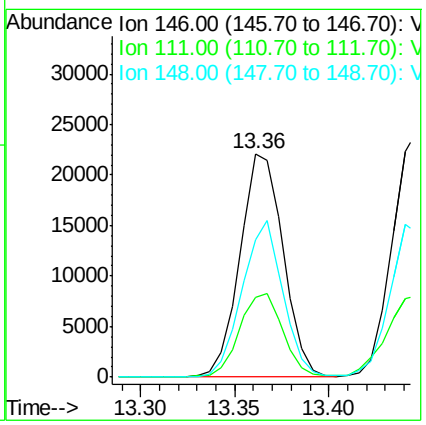


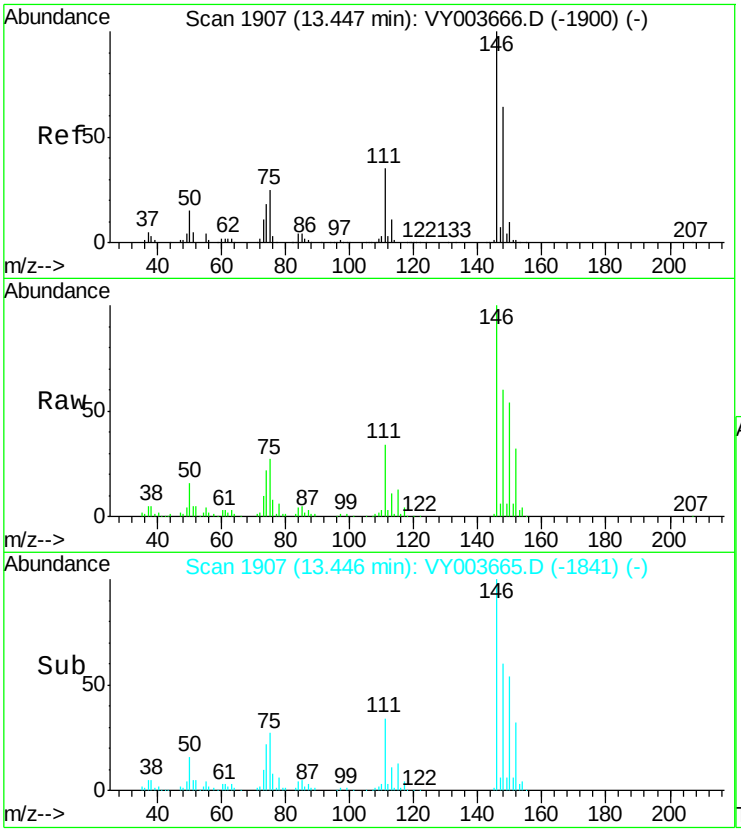




#64
1,3-Dichlorobenzene
Concen: 4.616 ug/L
RT: 13.36 min Scan# 1893
Delta R.T. -0.01 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:146 Resp: 35097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.7 | 25.1 | 46.5 |
| 148 | 61.7 | 45.1 | 83.7 |



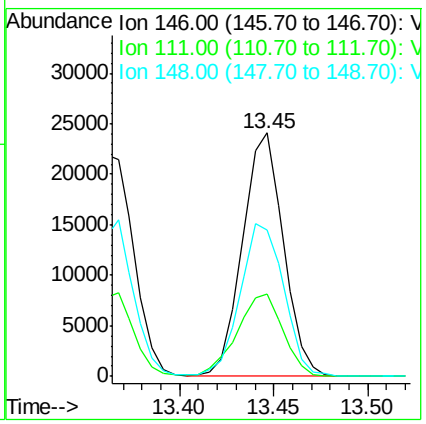


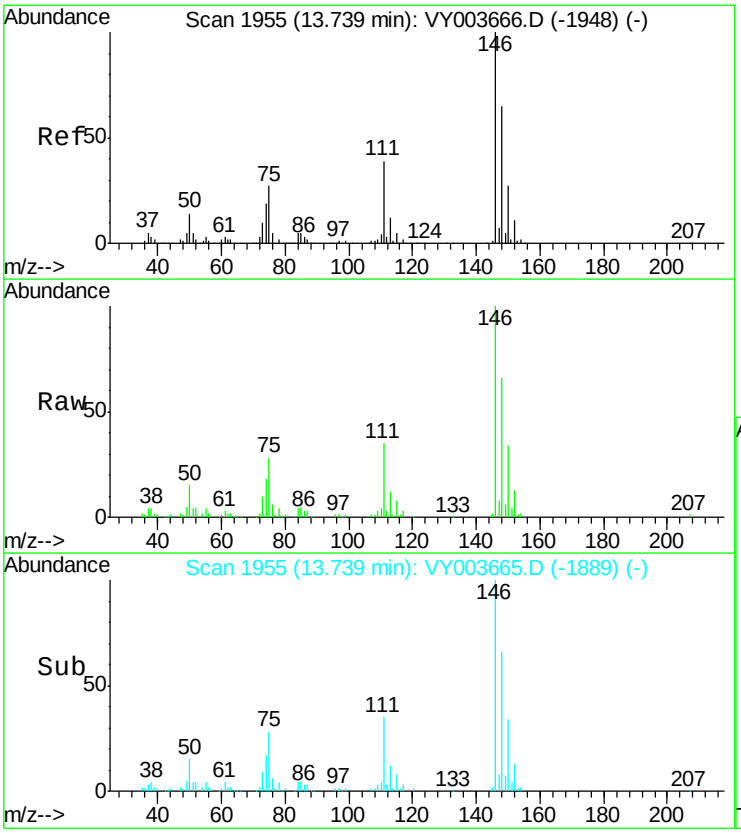

#65
1,4-Dichlorobenzene
Concen: 4.692 ug/L
RT: 13.45 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion:146 Resp: 36239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 33.6 | 24.5 | 45.5 |
| 148 | 60.1 | 44.8 | 83.2 |

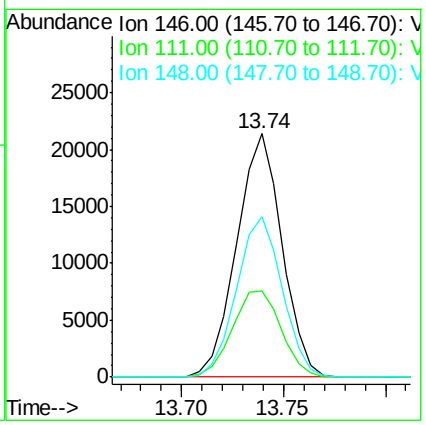


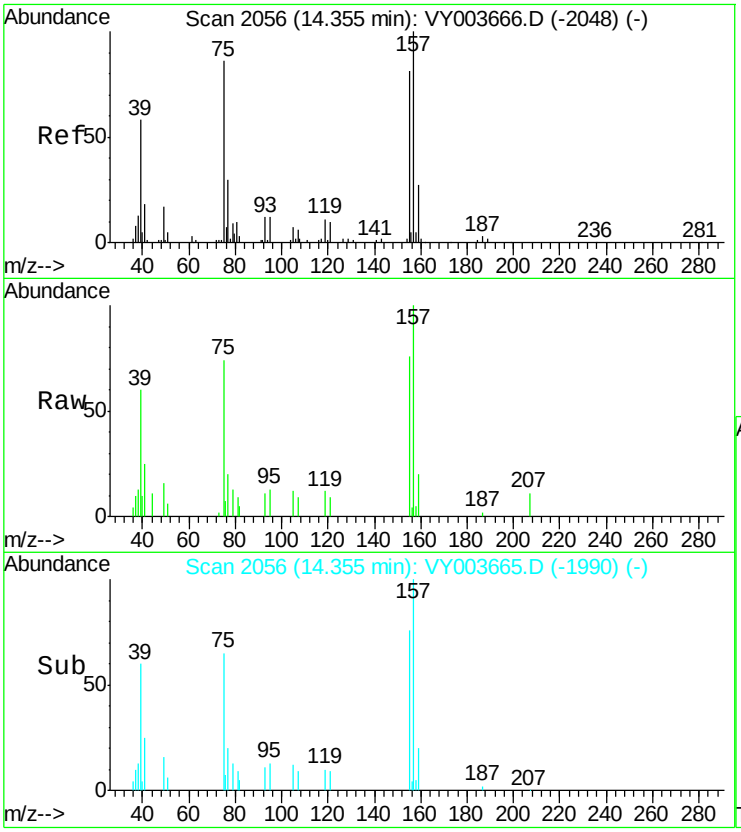




#67
1,2-Dichlorobenzene
Concen: 4.610 ug/L
RT: 13.74 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:146 Resp: 32981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.3 | 31.0 | 46.4 |
| 148 | 65.7 | 51.8 | 77.6 |



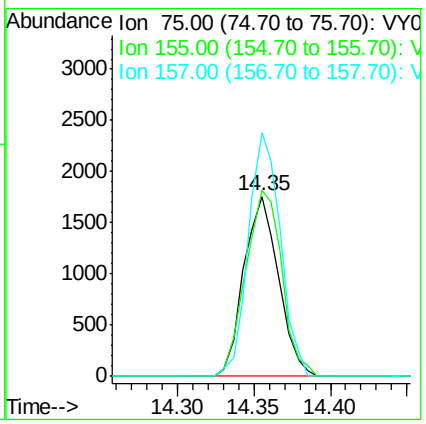


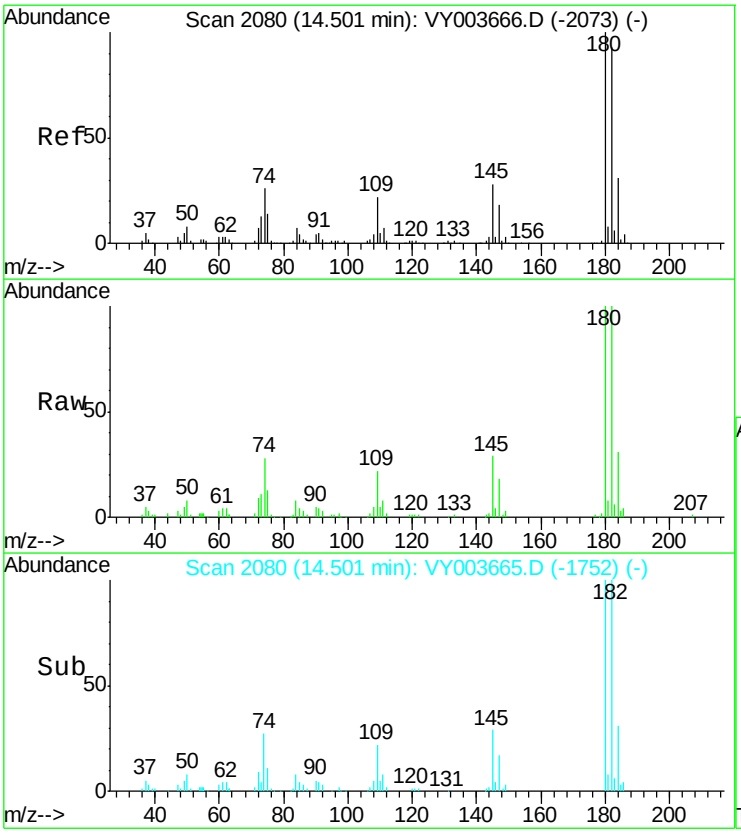

#68
1,2-Dibromo-3-chloropropane
Concen: 4.102 ug/L
RT: 14.35 min Scan# 2056
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :** MSVOA_Y
**ClientSampleId :** VSTD005312

Tgt Ion: 75 Resp: 2768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 103.3 | 74.6 | 112.0 |
| 157 | 135.2 | 92.7 | 139.1 |

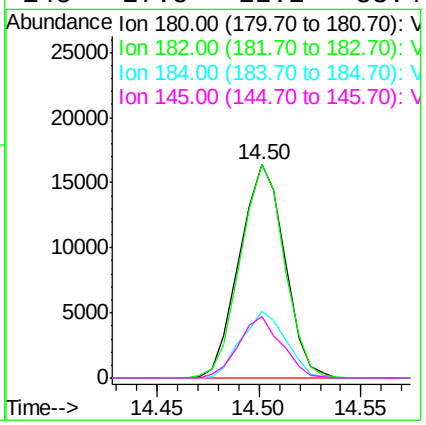


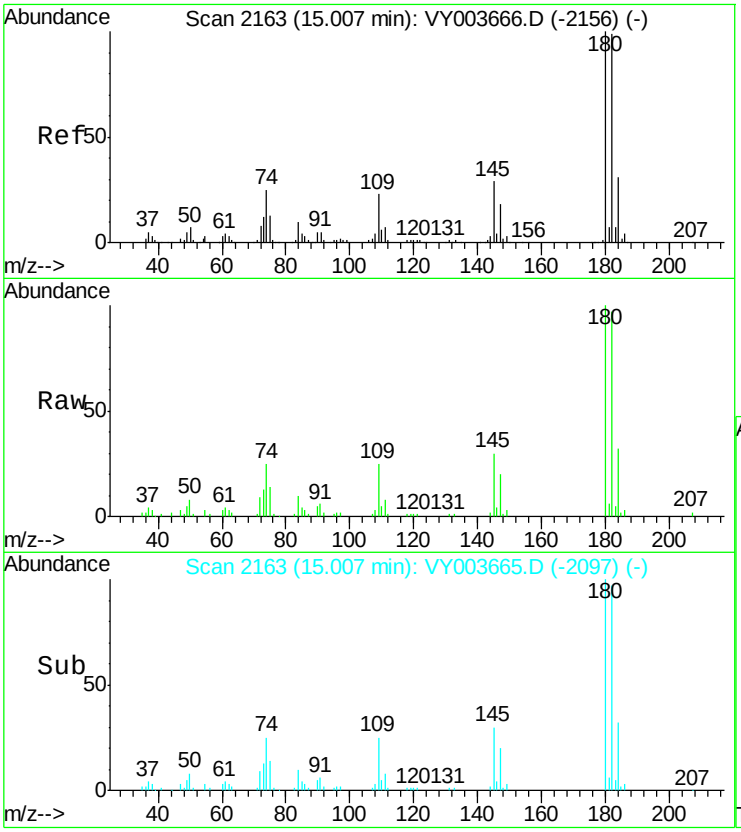




#69
1,3,5-Trichlorobenzene
Concen: 4.725 ug/L
RT: 14.50 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:180 Resp: 25306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.1 | 75.2 | 112.8 |
| 184 | 31.0 | 24.2 | 36.4 |
| 145 | 27.5 | 22.2 | 33.4 |



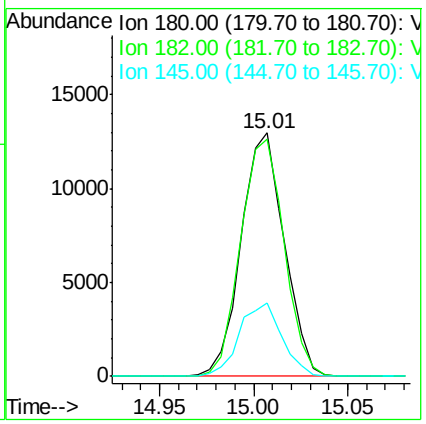


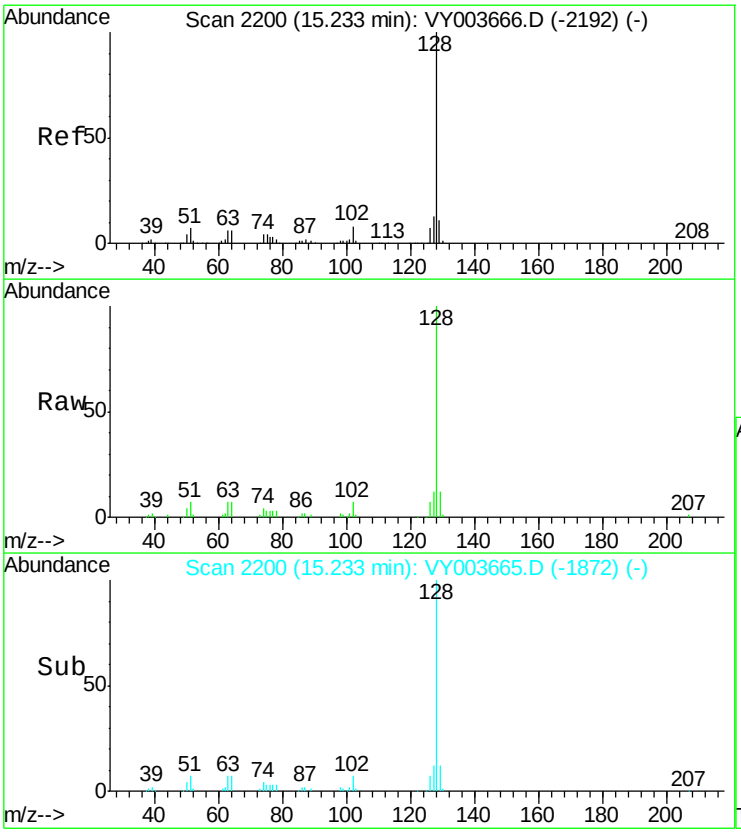

#70
1,2,4-trichlorobenzene
Concen: 4.518 ug/L
RT: 15.01 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion:180 Resp: 20595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.9 | 76.9 | 115.3 |
| 145 | 29.9 | 22.6 | 34.0 |

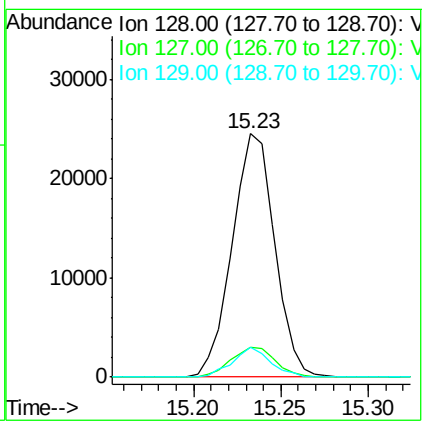


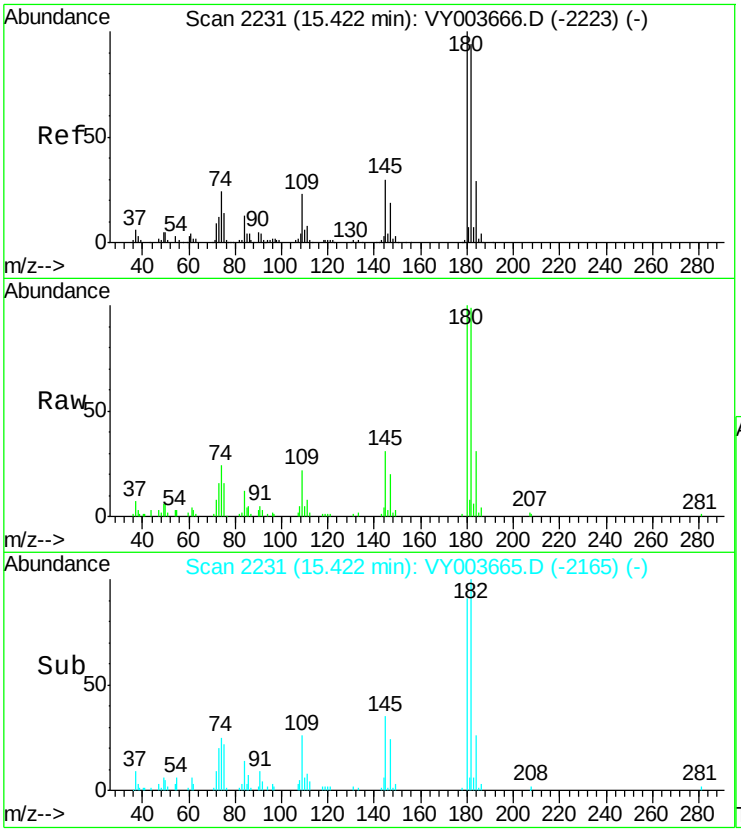




#71
Naphthalene
Concen: 4.179 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

Tgt Ion:128 Resp: 41497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.3 | 15.5 |
| 129 | 10.7 | 8.6 | 13.0 |






#72
1,2,3-Trichlorobenzene
Concen: 4.679 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VY003665.D
Acq: 07 Dec 2020 11:33

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTD005312

Tgt Ion:180 Resp: 19545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 75.9 | 113.9 |
| 145 | 29.1 | 24.0 | 36.0 |