Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005150.D
Acq On : 09 Oct 2018 02:16
Operator : JC/MD
Sample : J5189-10DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** TT-101D-20180928DL

Quant Time: Oct 09 06:02:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 193430 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 282019 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 277701 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 152025 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 141814 | 51.32 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.64% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 128989 | 53.97 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.94% | | | |
| 50) Toluene-d8 | 8.72 | 98 | 410868 | 51.71 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.42% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 143125 | 50.00 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 695 | 0.264 | ug/l | 93 |
| 5) Bromomethane | 1.64 | 94 | 484 | 0.272 | ug/l # | 37 |
| 6) Chloroethane | 1.68 | 64 | 77 | Below Cal | # | 1 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 6930 | 3.275 | ug/l | 98 |
| 11) Tert butyl alcohol | 3.02 | 59 | 2652 | 3.433 | ug/l # | 77 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 3042 | 1.451 | ug/l | 87 |
| 16) Acetone | 2.45 | 43 | 1916 | 1.188 | ug/l | 100 |
| 20) Methylene Chloride | 2.85 | 84 | 494 | Below Cal | # | 71 |
| 24) 1,1-Dichloroethane | 3.70 | 63 | 1159 | 0.252 | ug/l # | 84 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 1186 | 0.463 | ug/l | 40 |
| 29) Tetrahydrofuran | 5.16 | 42 | 416 | 0.281 | ug/l # | 79 |
| 31) Cyclohexane | 5.67 | 56 | 3778 | 1.075 | ug/l # | 22 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 13486 | 4.135 | ug/l # | 46 |
| 38) Carbon Tetrachloride | 5.77 | 117 | 989 | 0.289 | ug/l # | 97 |
| 44) Trichloroethene | 7.21 | 130 | 108315 | 43.157 | ug/l | 95 |
| 49) 1,4-Dioxane | 7.76 | 88 | 226 | 3.208 | ug/l # | 61 |
| 58) 2-Chloroethyl Vinyl ether | 8.30 | 63 | 24 | 14.253 | ug/l # | 49 |
| 70) Styrene | 10.72 | 104 | 21 | 2.143 | ug/l # | 25 |
| 74) N-amyl acetate | 10.92 | 43 | 62 | 1.759 | ug/l # | 53 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 70853 | 20.794 | ug/l # | 35 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 98 | Below Cal | | 90 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 70853 | 56.445 | ug/l # | 10 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 195 | Below Cal | | 81 |
| 95) Naphthalene | 13.83 | 128 | 245 | 0.739 | ug/l # | 79 |

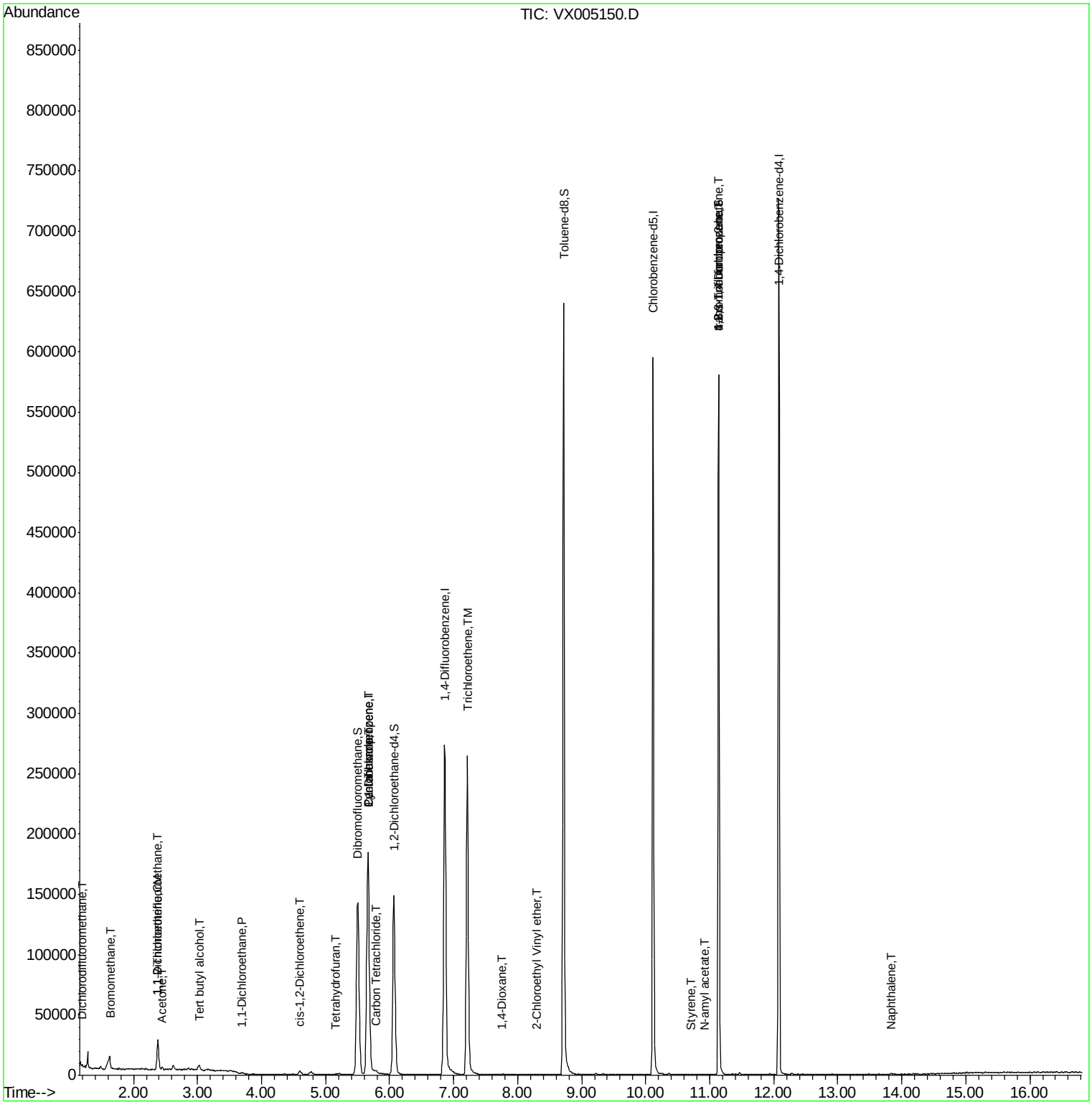
(#) = qualifier out of range (m) = manual integration (+) = signals summed

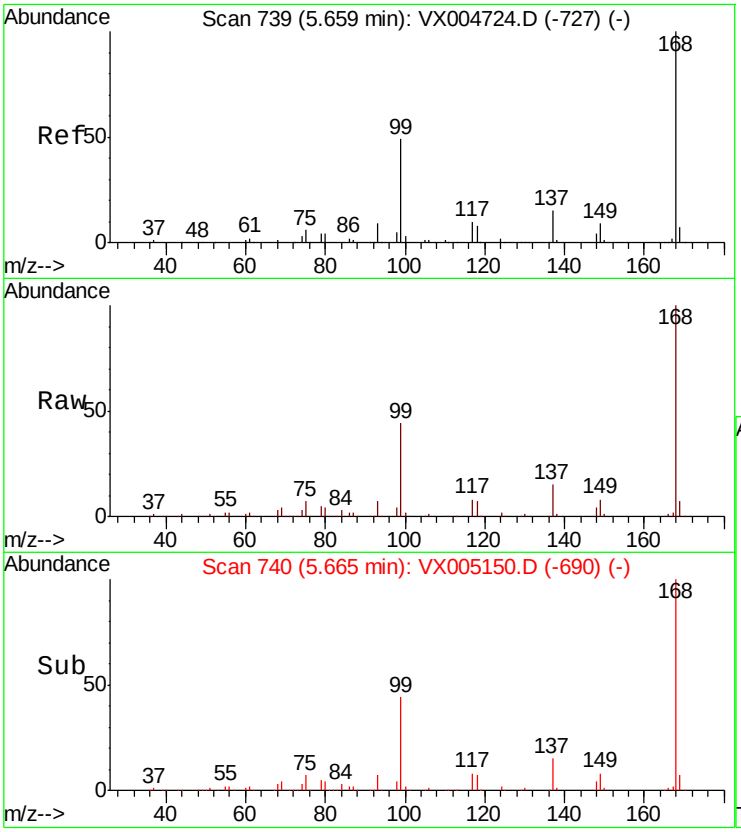
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100818\
Data File : VX005150.D
Acq On : 09 Oct 2018 02:16
Operator : JC/MD
Sample : J5189-10DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Quant Time: Oct 09 06:02:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration



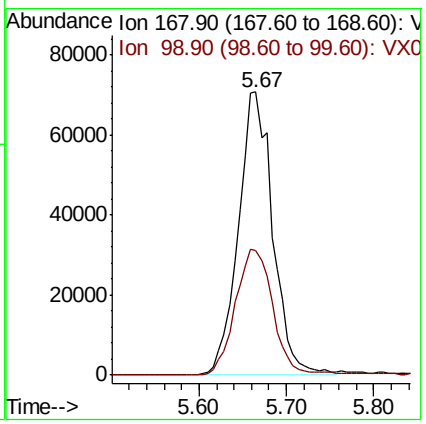


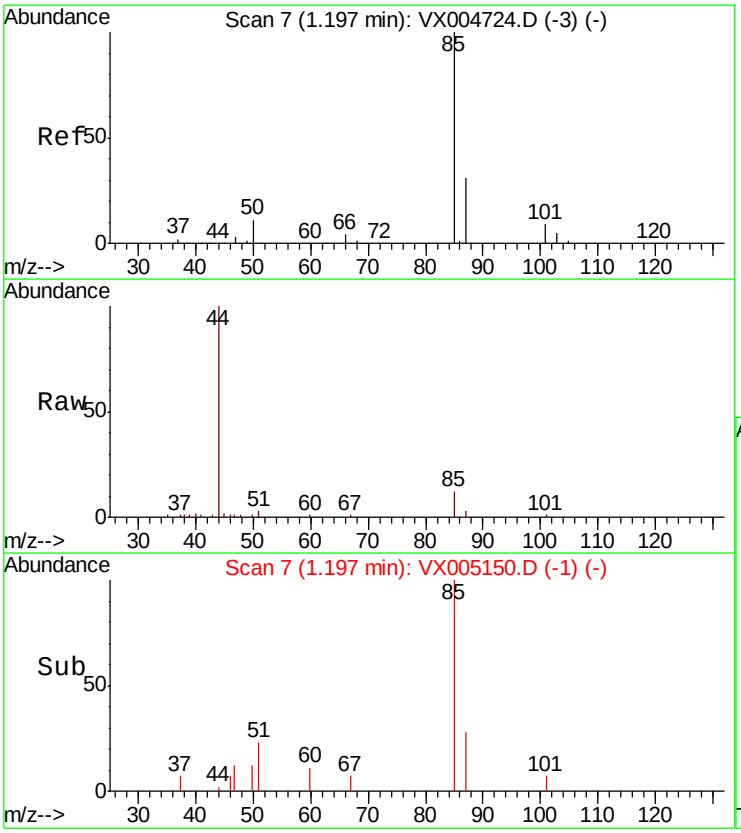

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion:168 Resp: 193430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 44.0 | 39.3 | 58.9 |

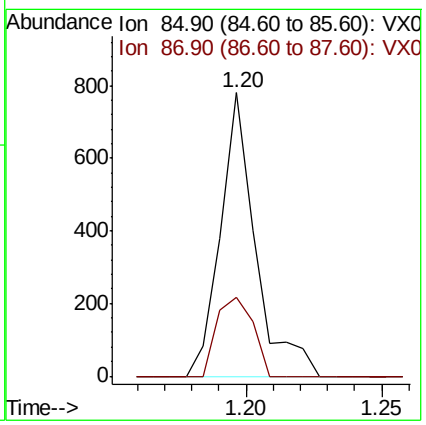


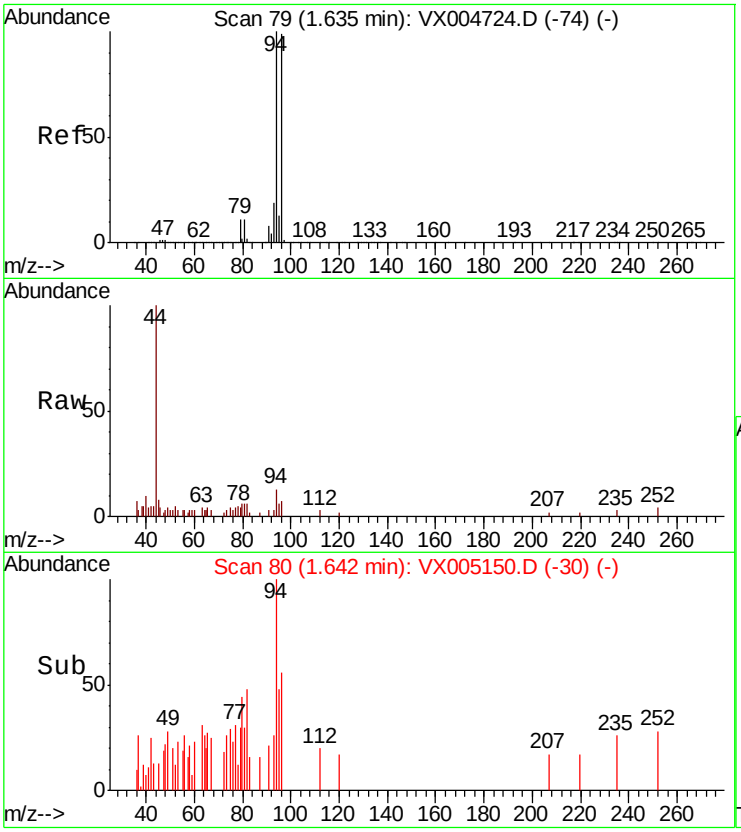




#2
Dichlorodifluoromethane
Concen: 0.264 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 85 Resp: 695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 27.7 | 15.7 | 47.1 |



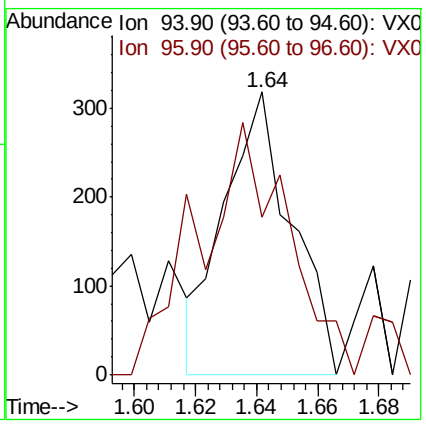


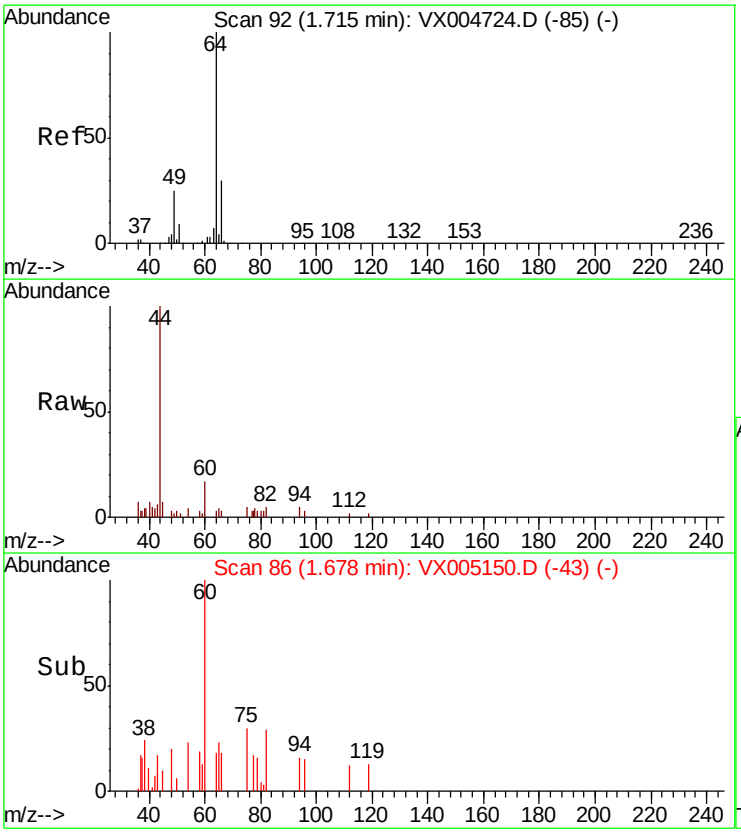

#5
Bromomethane
Concen: 0.272 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :** MSVOA_X
**ClientSampleId :** TT-101D-20180928DL

Tgt Ion: 94 Resp: 484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 36.5 | 79.5 | 119.3# |

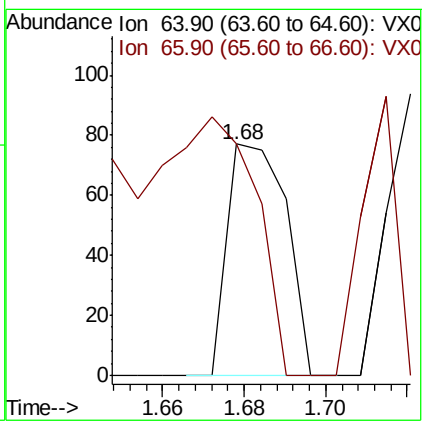


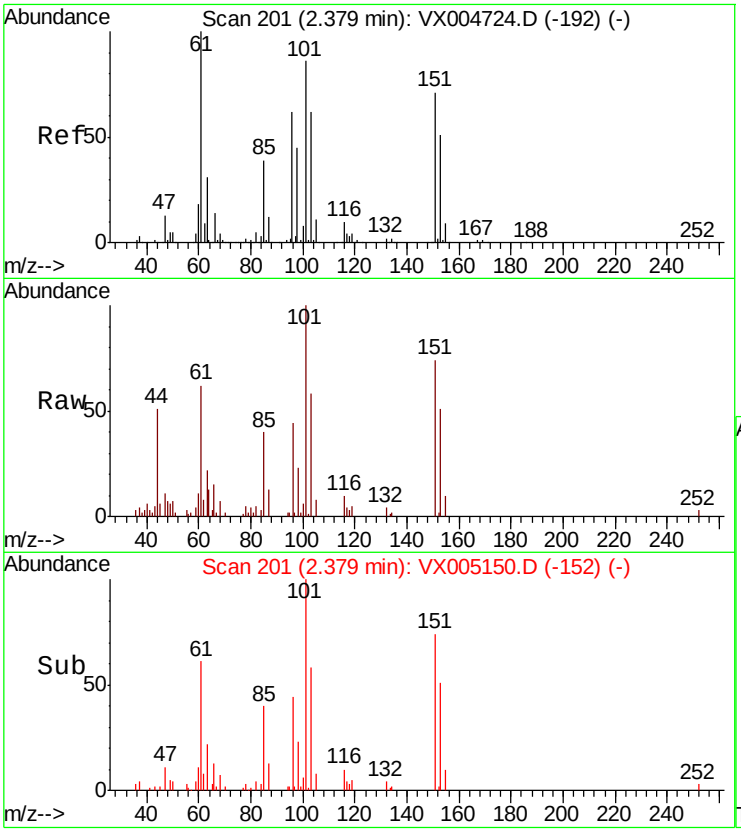




#6
Chloroethane
Concen: Below Cal
RT: 1.68 min Scan# 86
Delta R.T. -0.04 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 64 Resp: 77

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 100.0 | 23.8 | 35.6# |



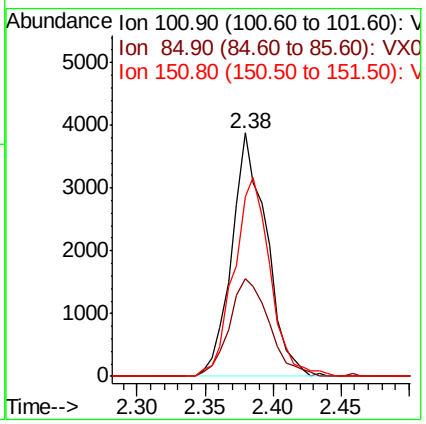


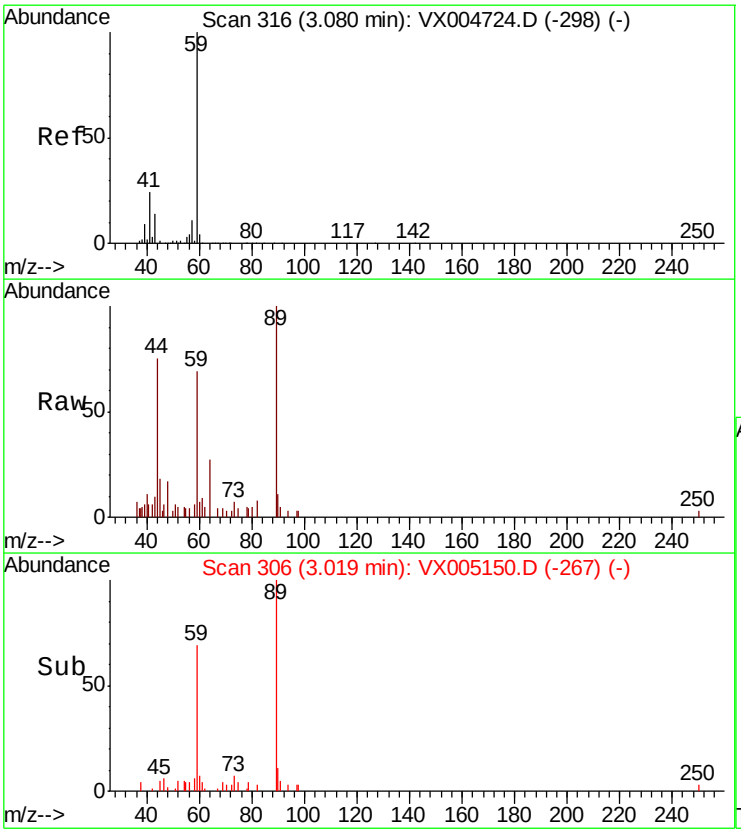

#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.275 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion:101 Resp: 6930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.9 | 35.9 | 53.9 |
| 151 | 85.4 | 66.6 | 100.0 |

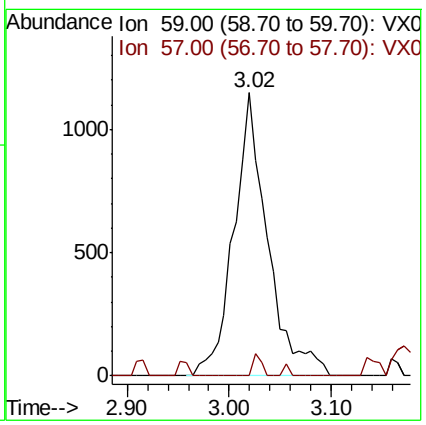


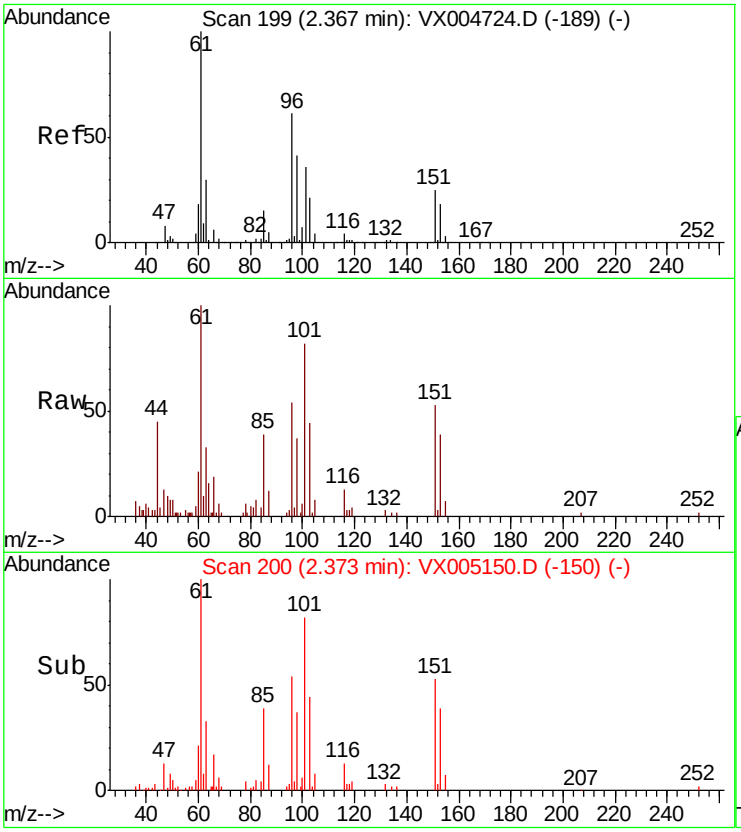




#11
Tert butyl alcohol
Concen: 3.433 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 59 Resp: 2652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.0 | 8.6 | 12.8# |



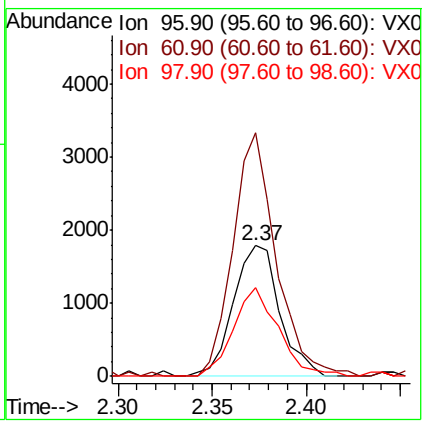


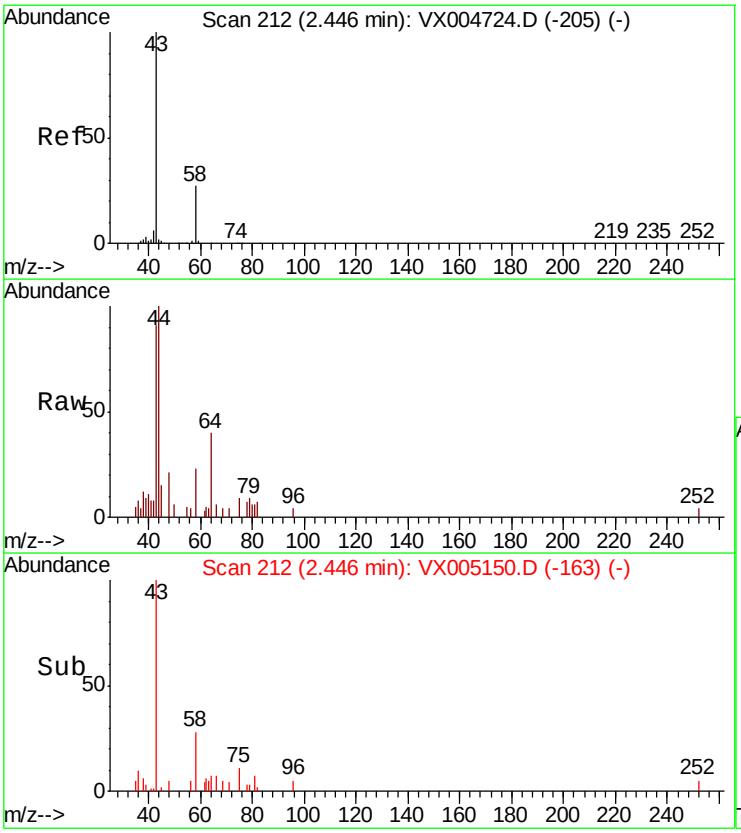

#12
1,1-Dichloroethene
Concen: 1.451 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion: 96 Resp: 3042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 186.5 | 130.2 | 195.4 |
| 98 | 68.3 | 53.4 | 80.0 |

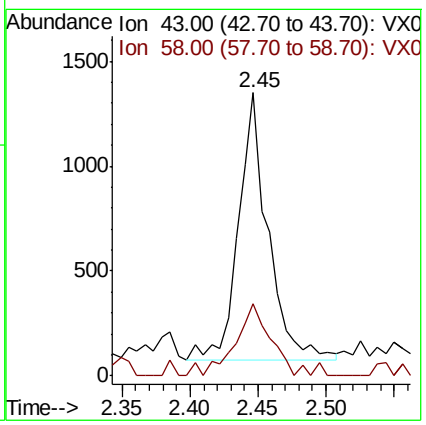


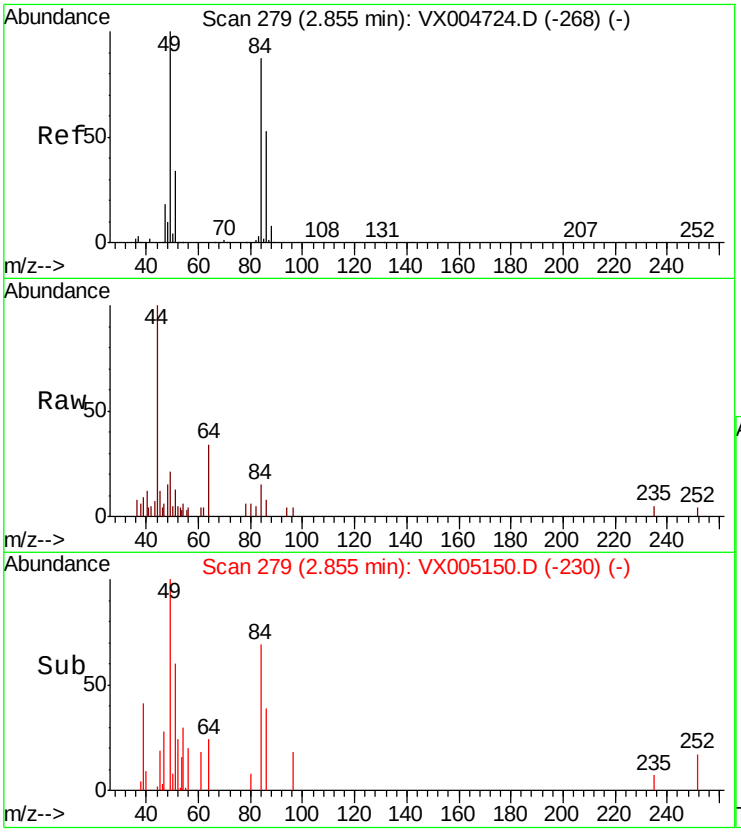




#16
Acetone
Concen: 1.188 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 43 Resp: 1916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.0 | 21.8 | 32.6 |



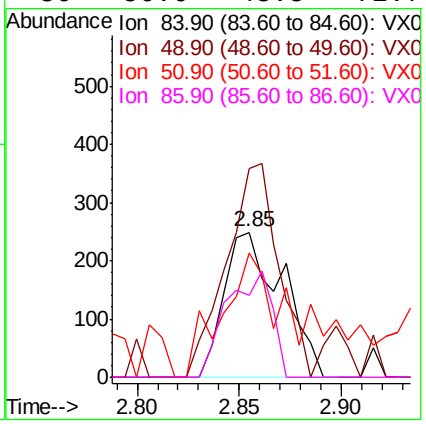


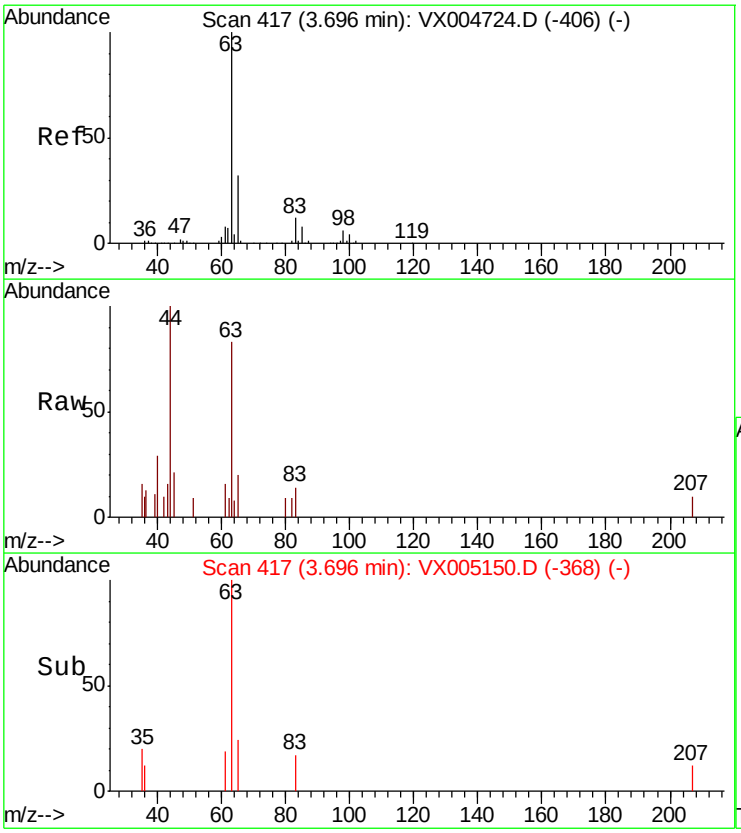

#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :** MSVOA_X
**ClientSampleId :** TT-101D-20180928DL

Tgt Ion: 84 Resp: 494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 144.2 | 92.3 | 138.5# |
| 51 | 85.9 | 31.8 | 47.6# |
| 86 | 56.6 | 48.5 | 72.7 |

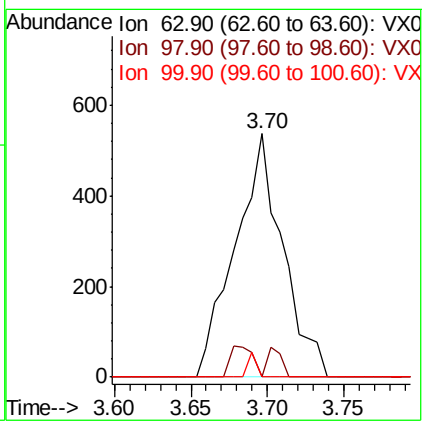


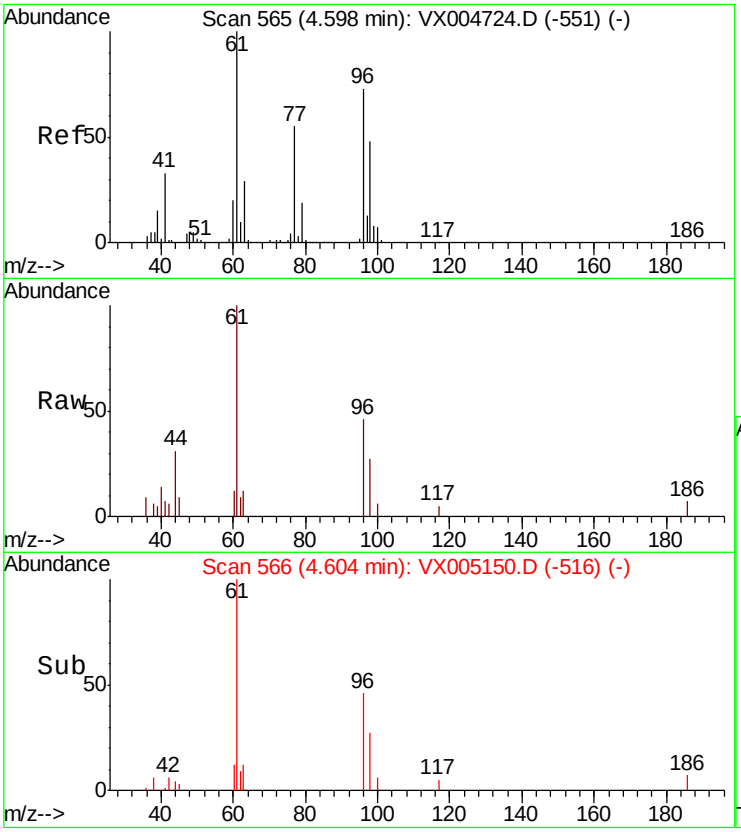




#24
1,1-Dichloroethane
Concen: 0.252 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 63 Resp: 1159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 0.0 | 3.0 | 9.2# |
| 100 | 0.0 | 2.0 | 5.8# |



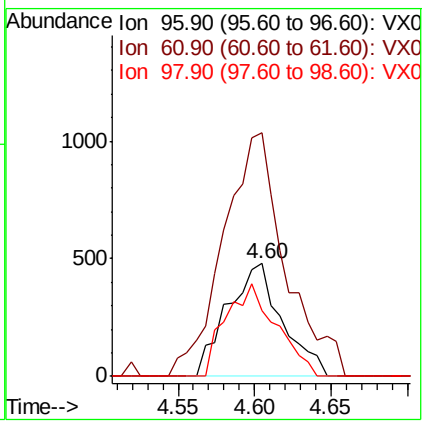


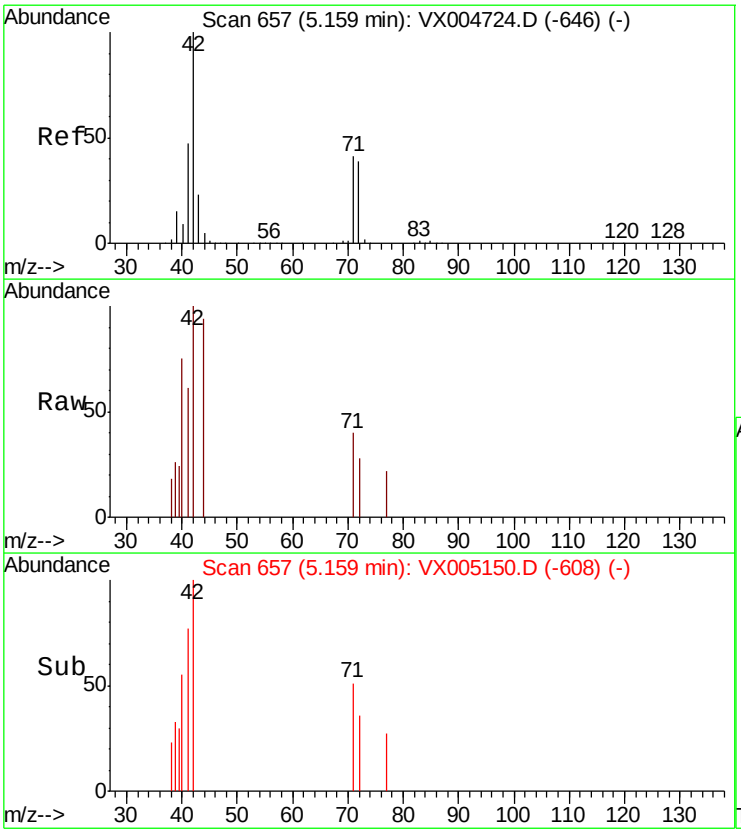

#27
cis-1,2-Dichloroethene
Concen: 0.463 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion: 96 Resp: 1186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 245.8 | 0.0 | 285.8 |
| 98 | 76.1 | 0.0 | 136.2 |

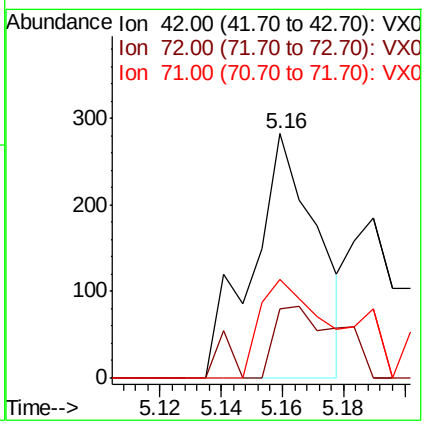


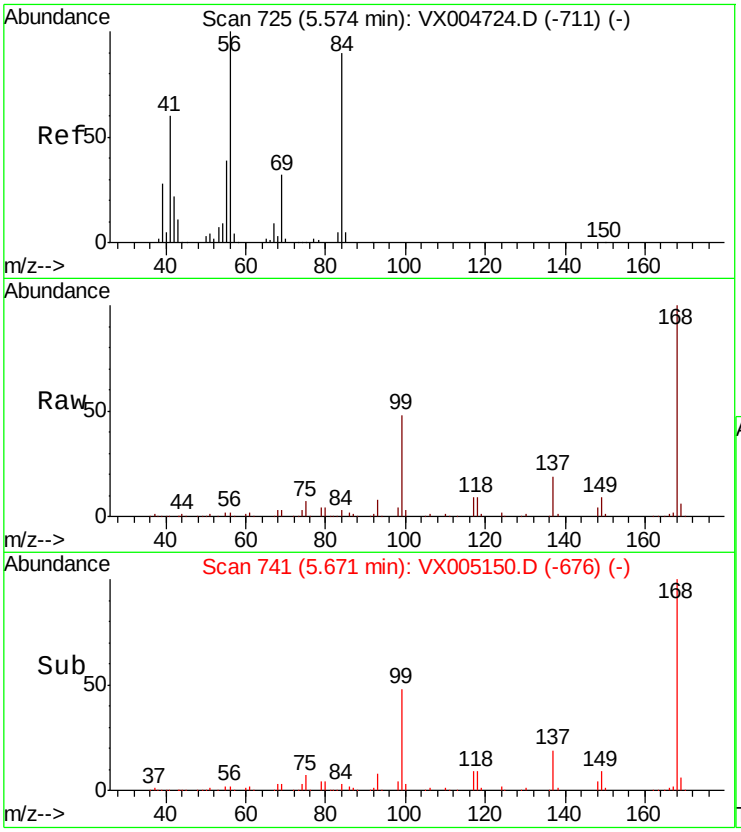




#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 42 Resp: 416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 29.3 | 33.7 | 50.5# |
| 71 | 53.6 | 32.2 | 48.4# |



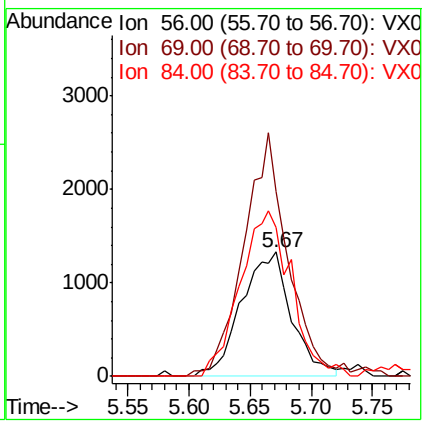


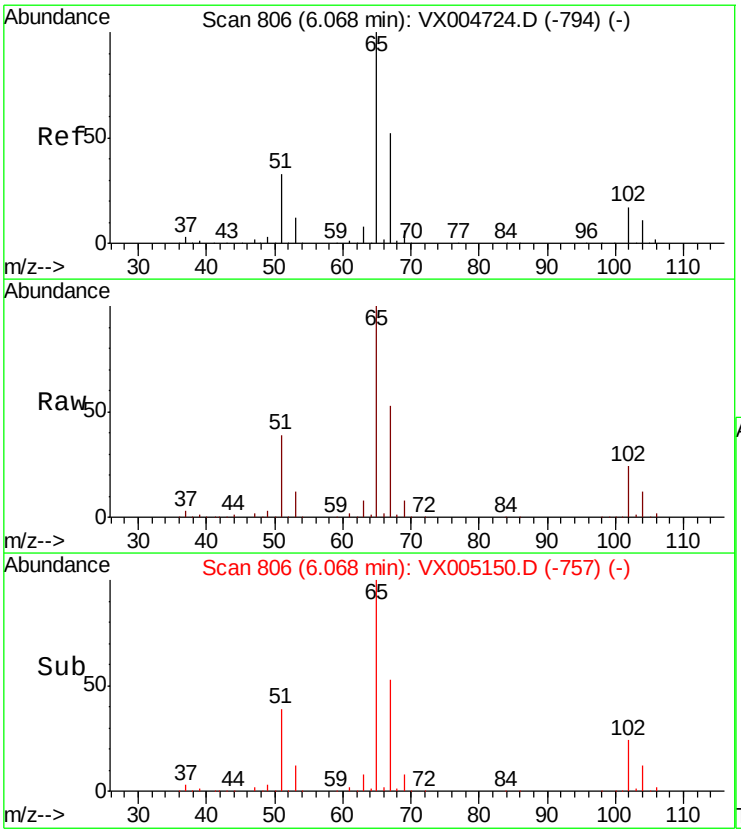

#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :** MSVOA_X
**ClientSampleId :** TT-101D-20180928DL

Tgt Ion: 56 Resp: 3778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 148.1 | 25.9 | 38.9# |
| 84 | 119.2 | 71.9 | 107.9# |

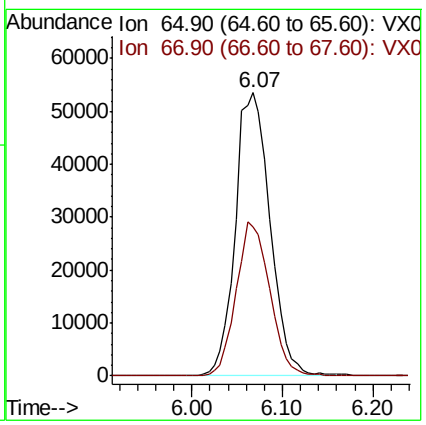


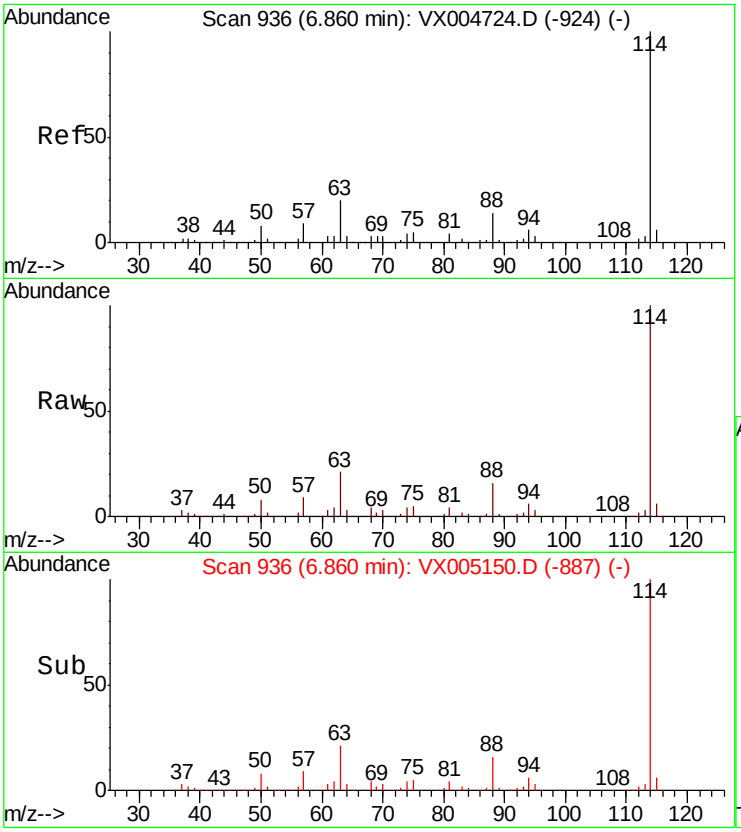




#33
1,2-Dichloroethane-d4
Concen: 51.323 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 65 Resp: 141814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.0 | 0.0 | 107.4 |



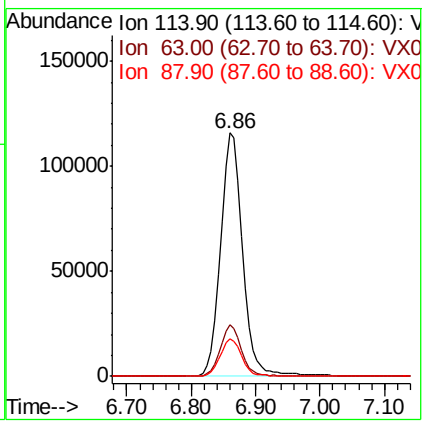


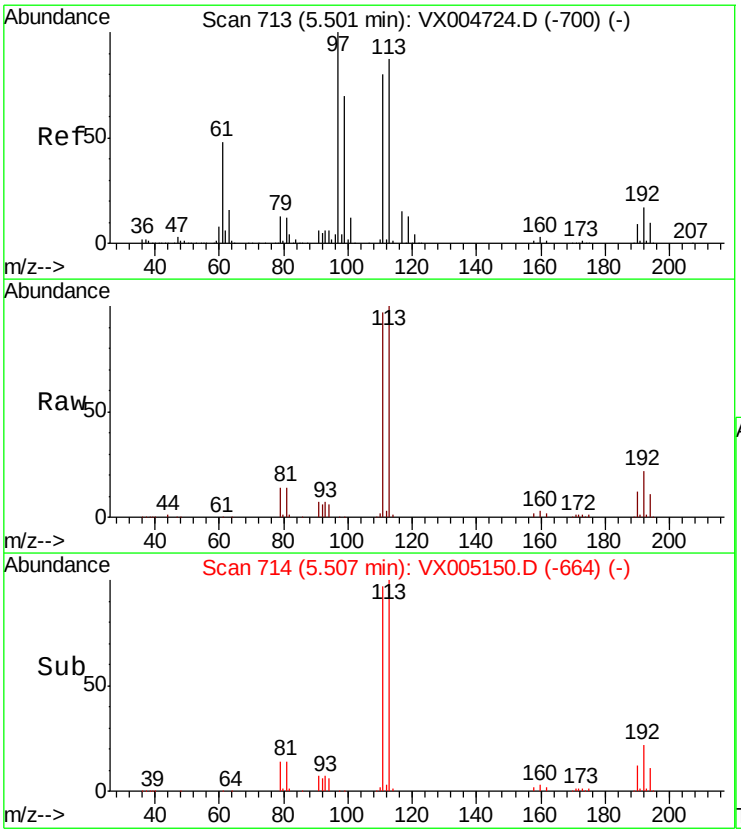

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion:114 Resp: 282019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 39.8 |
| 88 | 15.6 | 0.0 | 27.0 |

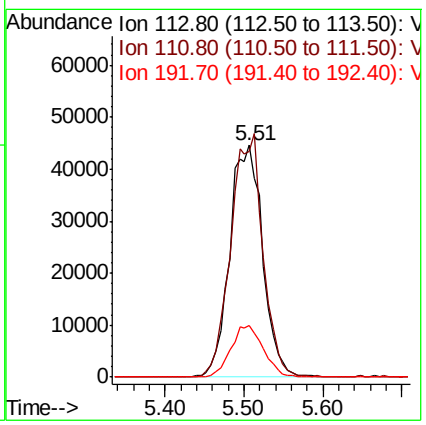


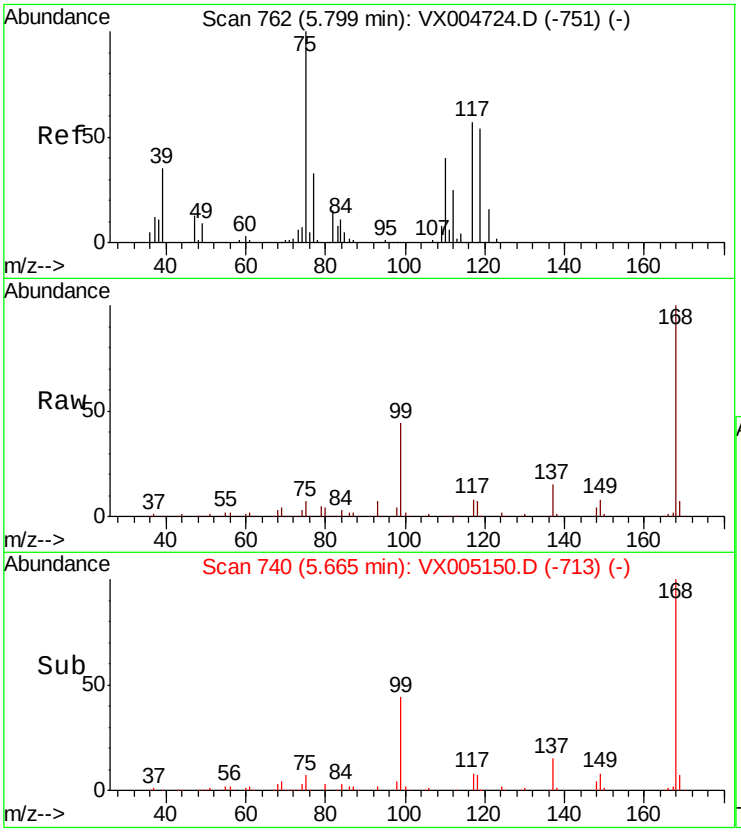




#35
Dibromofluoromethane
Concen: 53.967 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion:113 Resp: 128989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 77.0 | 115.4 |
| 192 | 22.1 | 17.0 | 25.6 |



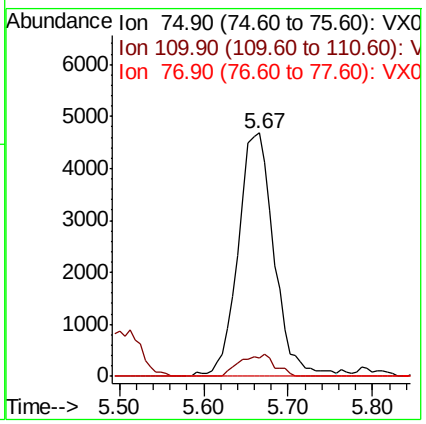


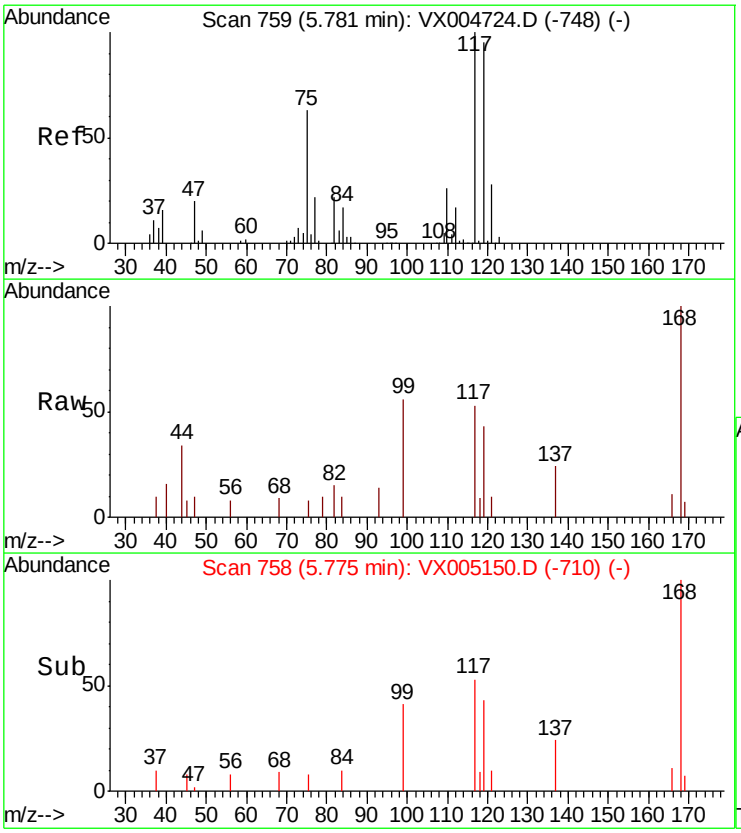

#36
1,1-Dichloropropene
Concen: 4.135 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion: 75 Resp: 13486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.8 | 20.0 | 59.9# |
| 77 | 0.0 | 27.1 | 40.7# |

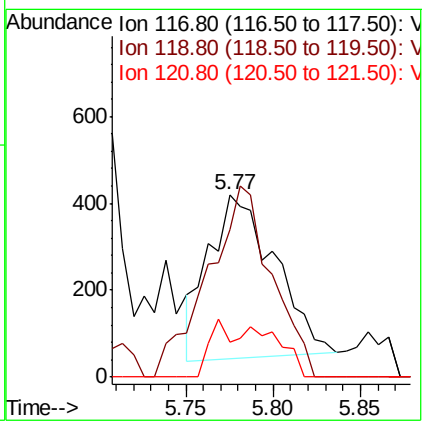


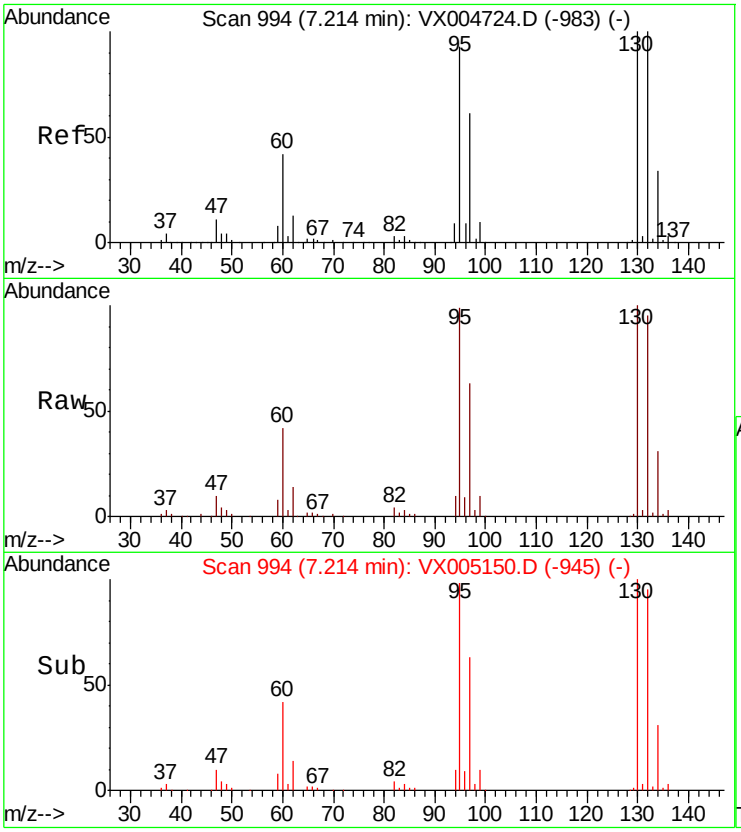




#38
Carbon Tetrachloride
Concen: 0.289 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion:117 Resp: 989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.7 | 75.2 | 112.8 |
| 121 | 21.7 | 22.5 | 33.7# |



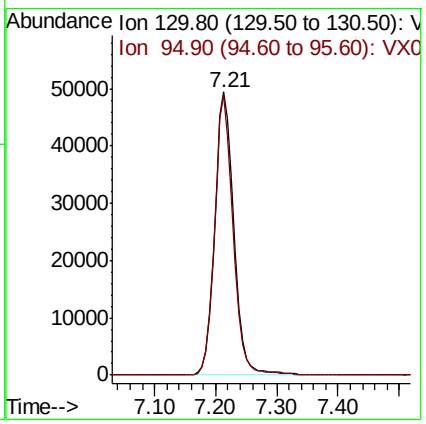


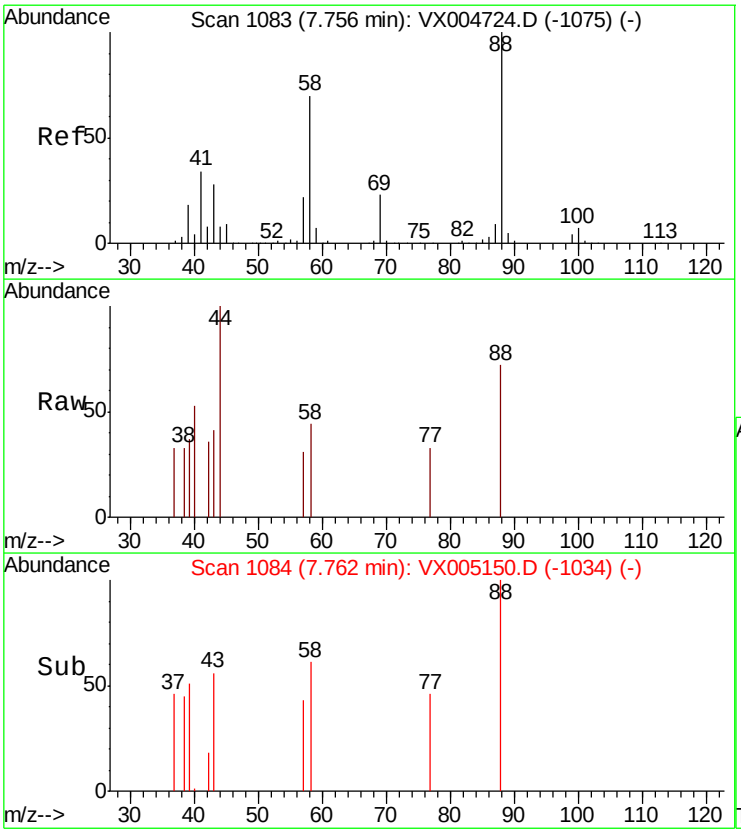

#44
Trichloroethene
Concen: 43.157 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion:130 Resp: 108315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.6 | 0.0 | 186.8 |

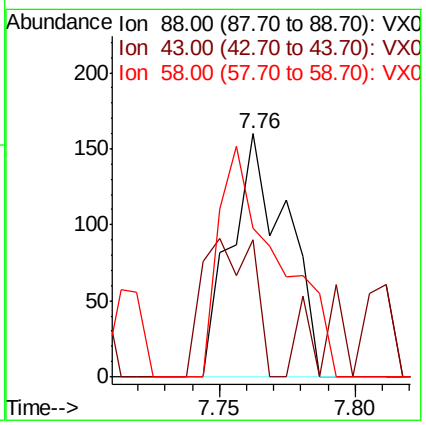


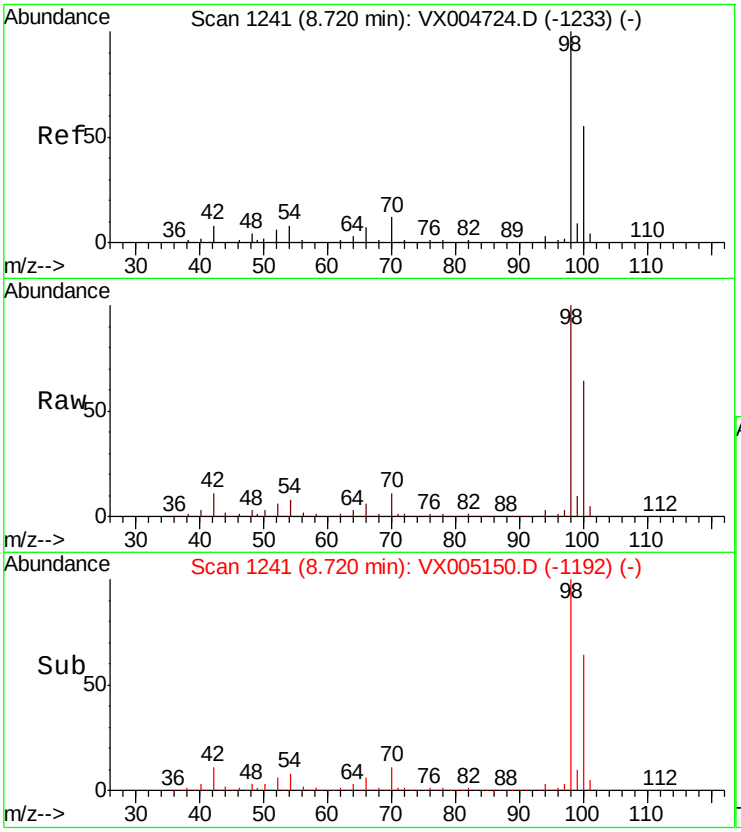




#49
1,4-Dioxane
Concen: 3.208 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 88 Resp: 226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 52.7 | 25.1 | 37.7# |
| 58 | 102.7 | 56.2 | 84.2# |



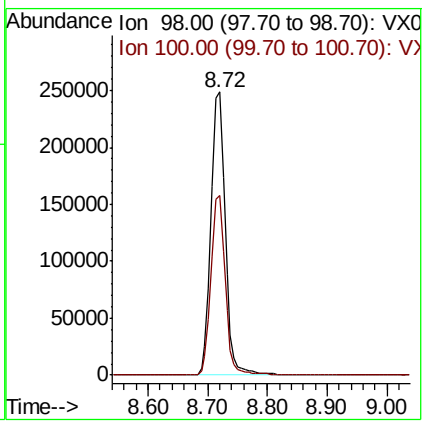


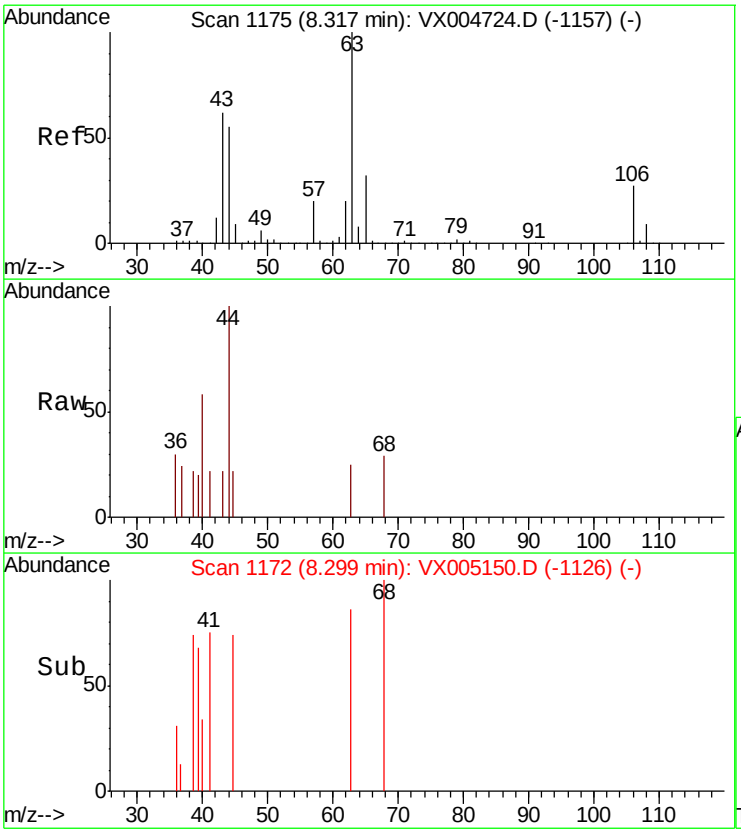

#50
Toluene-d8
Concen: 51.707 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :** MSVOA_X
**ClientSampleId :** TT-101D-20180928DL

Tgt Ion: 98 Resp: 410868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.2 | 51.9 | 77.9 |

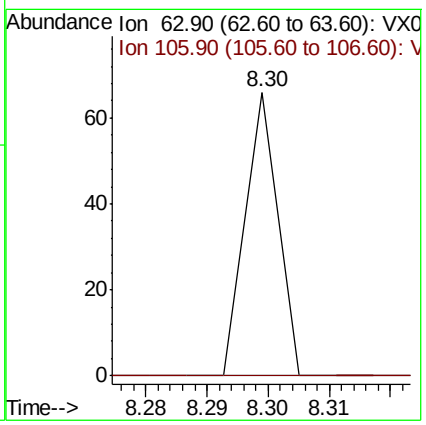


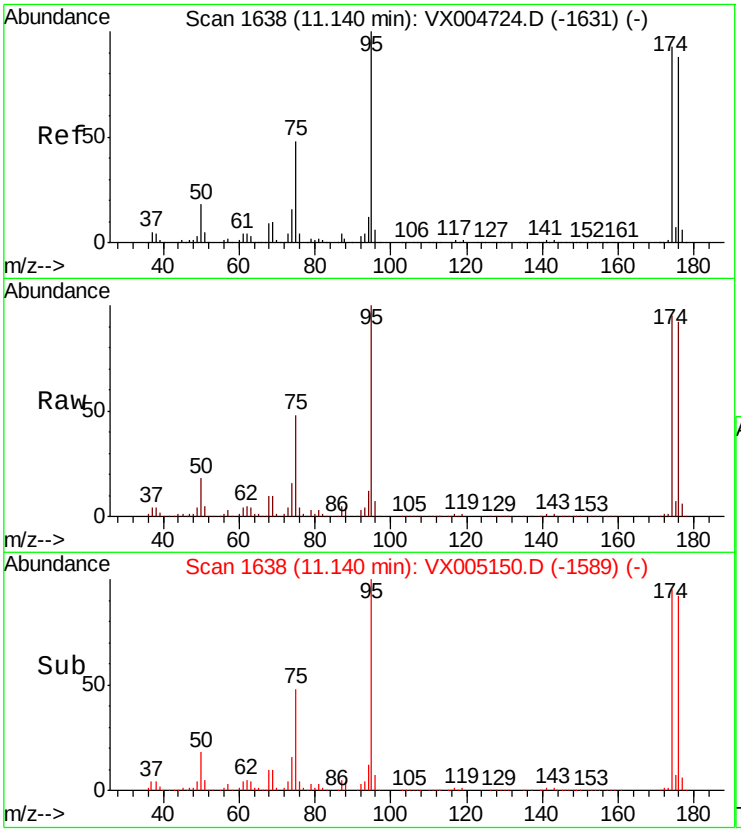




#58
2-Chloroethyl Vinyl ether
Concen: 14.253 ug/l
RT: 8.30 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 63 Resp: 24

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 21.0 | 31.6# |



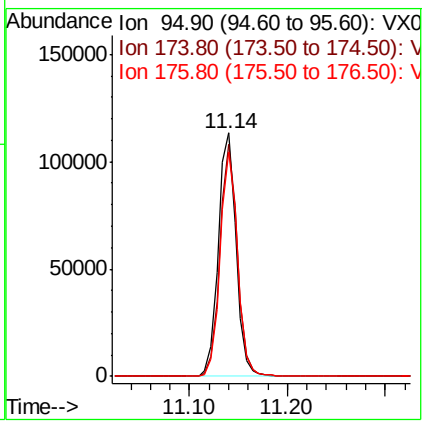


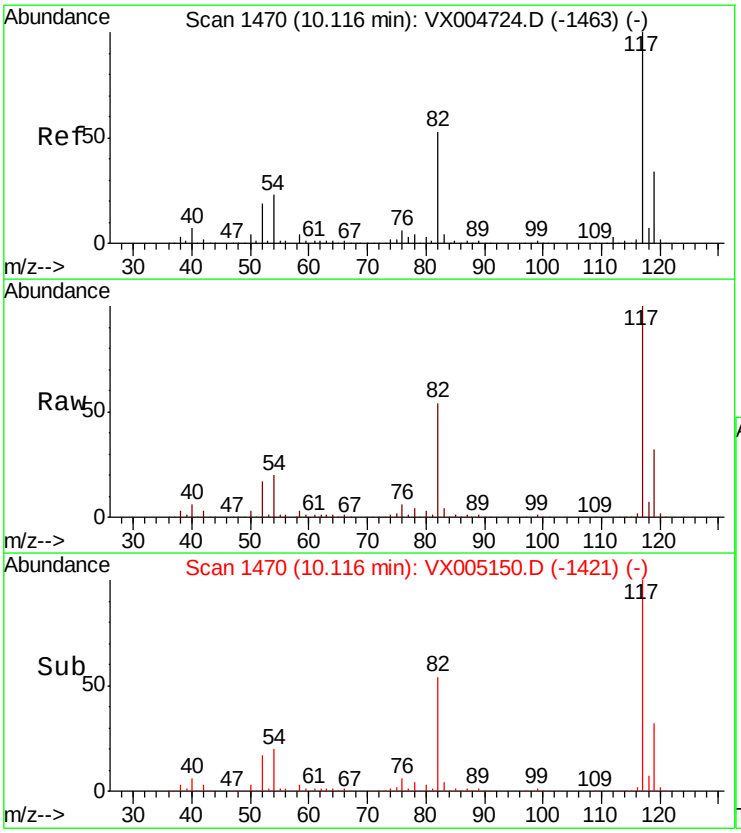

#62
4-Bromofluorobenzene
Concen: 49.998 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion: 95 Resp: 143125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.8 | 0.0 | 185.0 |
| 176 | 90.1 | 0.0 | 180.2 |

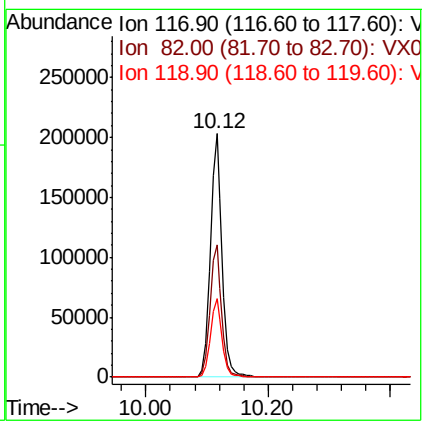


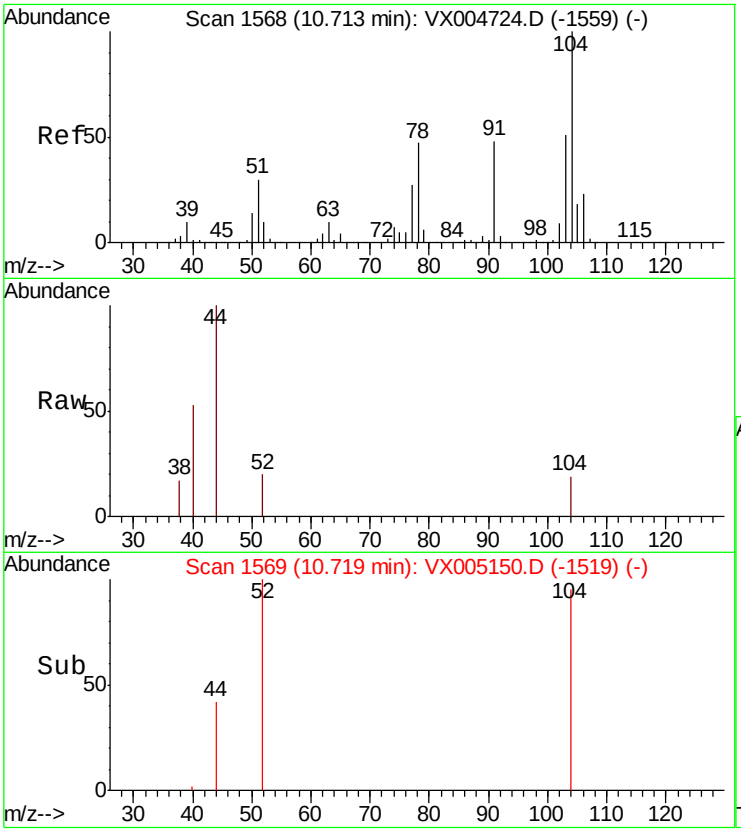




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion:117 Resp: 277701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.5 | 42.2 | 63.4 |
| 119 | 32.3 | 27.4 | 41.0 |



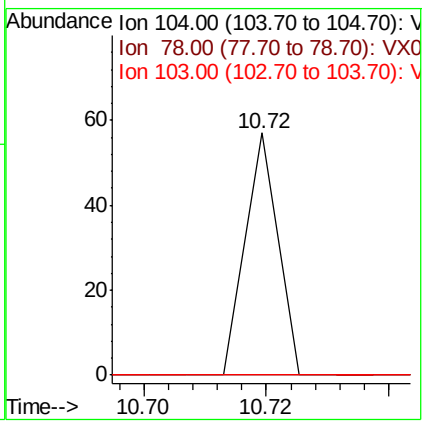


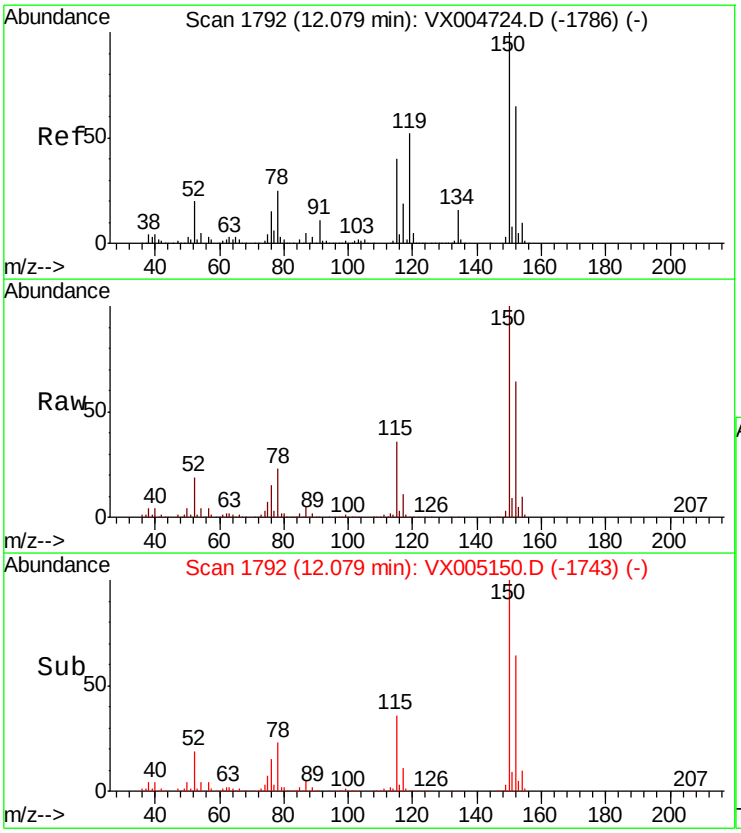

#70
Stvrene
Concen: 2.143 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :** MSVOA_X
**ClientSampleId :** TT-101D-20180928DL

Tgt Ion:104 Resp: 21

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 0.0 | 40.0 | 60.0# |
| 103 | 0.0 | 44.3 | 66.5# |

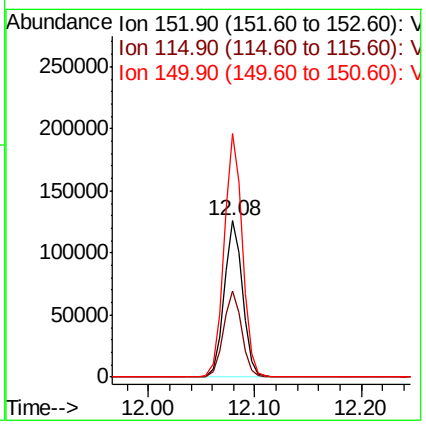


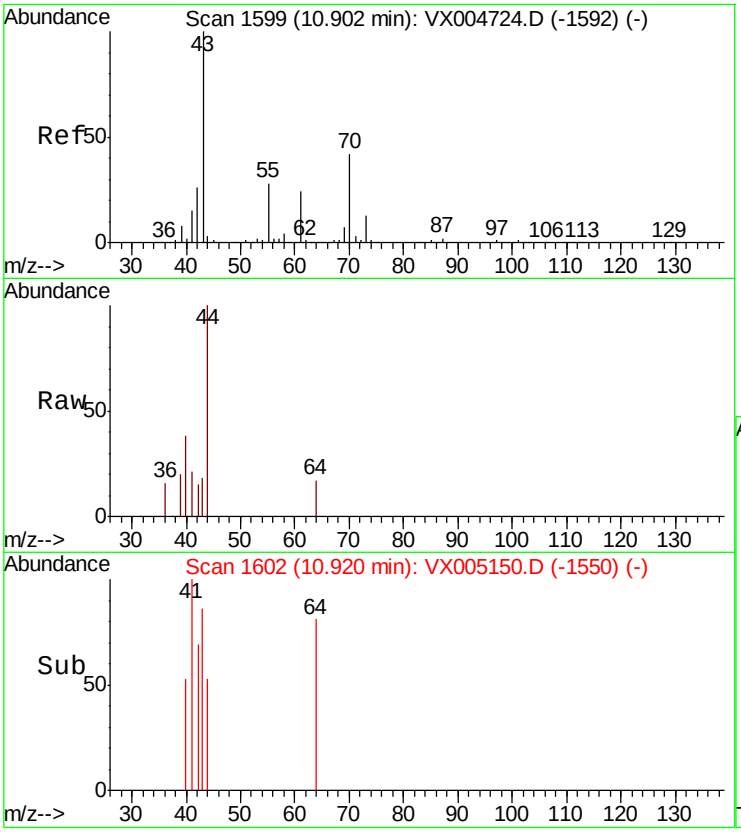




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion:152 Resp: 152025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.8 | 40.2 | 120.6 |
| 150 | 155.2 | 0.0 | 351.0 |



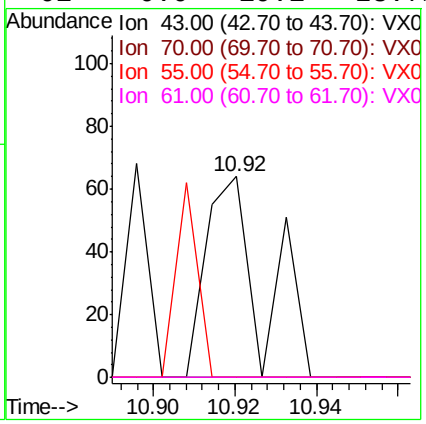


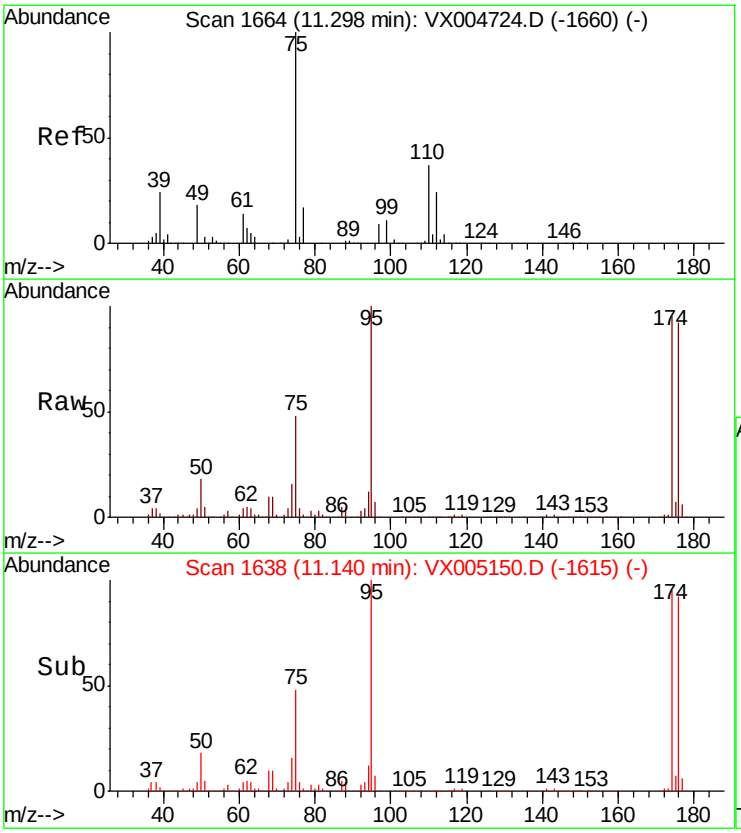

#74
N-amyl acetate
Concen: 1.759 ug/l
RT: 10.92 min Scan# 1602
Delta R.T. 0.02 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :** MSVOA_X
**ClientSampleId :** TT-101D-20180928DL

Tgt Ion: 43 Resp: 62

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 32.6 | 48.8# |
| 55 | 37.1 | 21.6 | 32.4# |
| 61 | 0.0 | 19.1 | 28.7# |

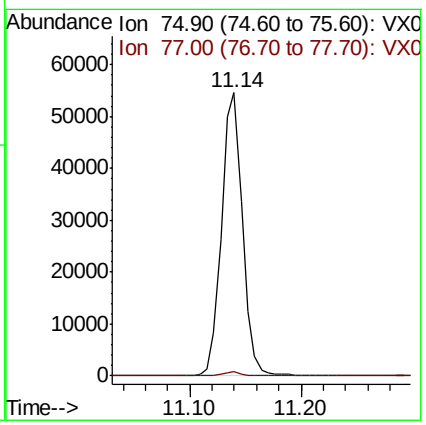


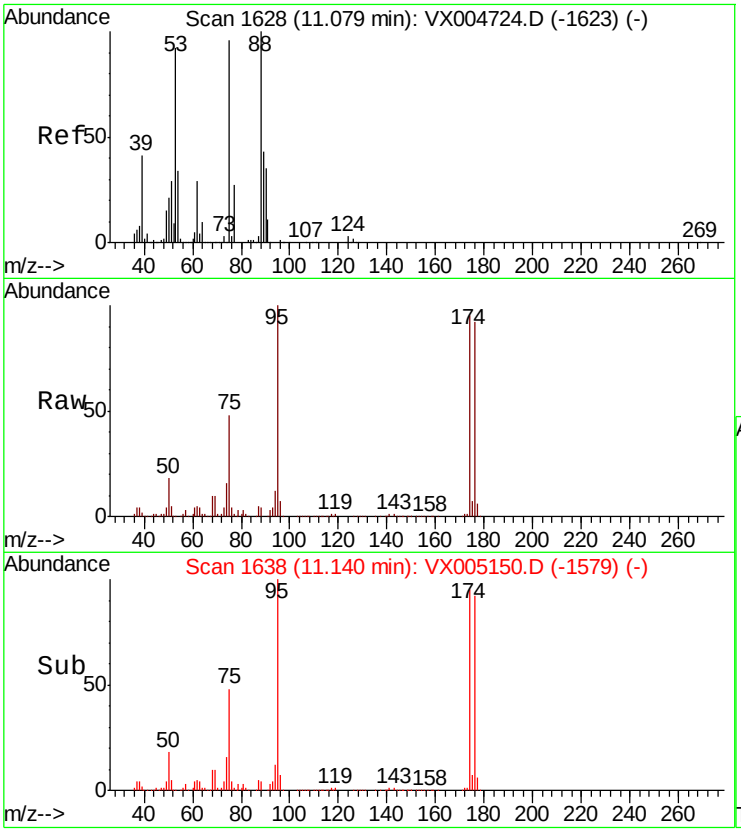




#76
1,2,3-Trichloropropane
Concen: 20.794 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion: 75 Resp: 70853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 21.4 | 64.3# |



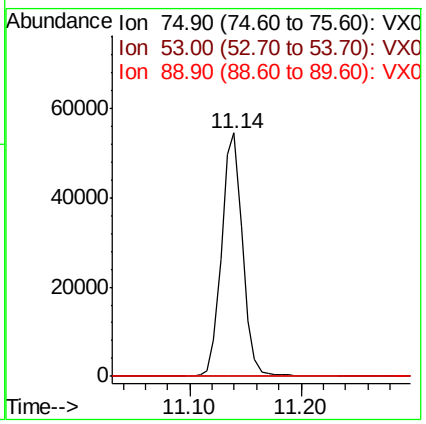


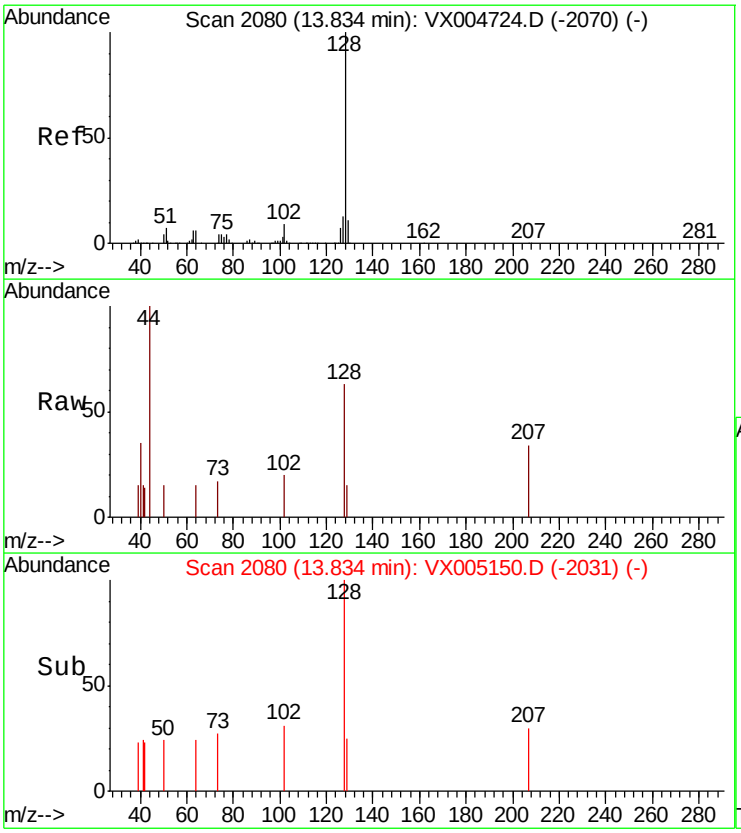

#81
trans-1,4-Dichloro-2-butene
Concen: 56.445 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT-101D-20180928DL

Tgt Ion: 75 Resp: 70853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 80.2 | 120.4# |
| 89 | 0.0 | 37.1 | 55.7# |




#95
Naphthalene
Concen: 0.739 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005150.D
Acq: 09 Oct 2018 02:16

Tgt Ion:128 Resp: 245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.4 | 15.6# |
| 129 | 8.6 | 8.7 | 13.1# |