Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005123.D
Acq On : 08 Oct 2018 13:21
Operator : JC/MD
Sample : J5189-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** RE-131D3-20180927

Quant Time: Oct 09 05:52:56 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 | 189607 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 301912 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 298746 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 169228 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 143505 | 52.98 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.96% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 123360 | 48.21 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.42% | | | |
| 50) Toluene-d8 | 8.72 | 98 | 437939 | 51.48 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.96% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 157788 | 51.49 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.98% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) Chloroethane | 1.68 | 64 | 94 | Below Cal | # | 45 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 369293 | 178.015 | ug/l | 99 |
| 11) Tert butyl alcohol | 3.08 | 59 | 413 | 0.545 | ug/l # | 85 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 3147 | 1.532 | ug/l | 92 |
| 13) Acrolein | 2.28 | 56 | 109 | 0.202 | ug/l # | 63 |
| 16) Acetone | 2.45 | 43 | 2052 | 1.298 | ug/l # | 89 |
| 20) Methylene Chloride | 2.87 | 84 | 556 | Below Cal | # | 69 |
| 25) 2-Butanone | 4.71 | 43 | 823 | 0.353 | ug/l | 90 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 1738 | 0.692 | ug/l | 76 |
| 31) Cyclohexane | 5.65 | 56 | 3762 | 1.092 | ug/l # | 10 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 13240 | 3.793 | ug/l # | 46 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 17410 | 4.744 | ug/l # | 18 |
| 44) Trichloroethene | 7.21 | 130 | 27309 | 10.164 | ug/l | 96 |
| 49) 1,4-Dioxane | 7.76 | 88 | 421 | 5.582 | ug/l # | 75 |
| 60) Dibromochloromethane | 9.34 | 129 | 3958 | 1.504 | ug/l # | 10 |
| 64) Tetrachloroethene | 9.34 | 164 | 4357 | 1.482 | ug/l | 96 |
| 70) Styrene | 10.72 | 104 | 38 | 2.145 | ug/l # | 25 |
| 74) N-amyl acetate | 10.91 | 43 | 98 | 1.764 | ug/l # | 21 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 77652 | 20.472 | ug/l # | 35 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 133 | Below Cal | # | 29 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 77652 | 55.604 | ug/l # | 10 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 337 | Below Cal | | 91 |
| 95) Naphthalene | 13.83 | 128 | 511 | 0.755 | ug/l # | 85 |

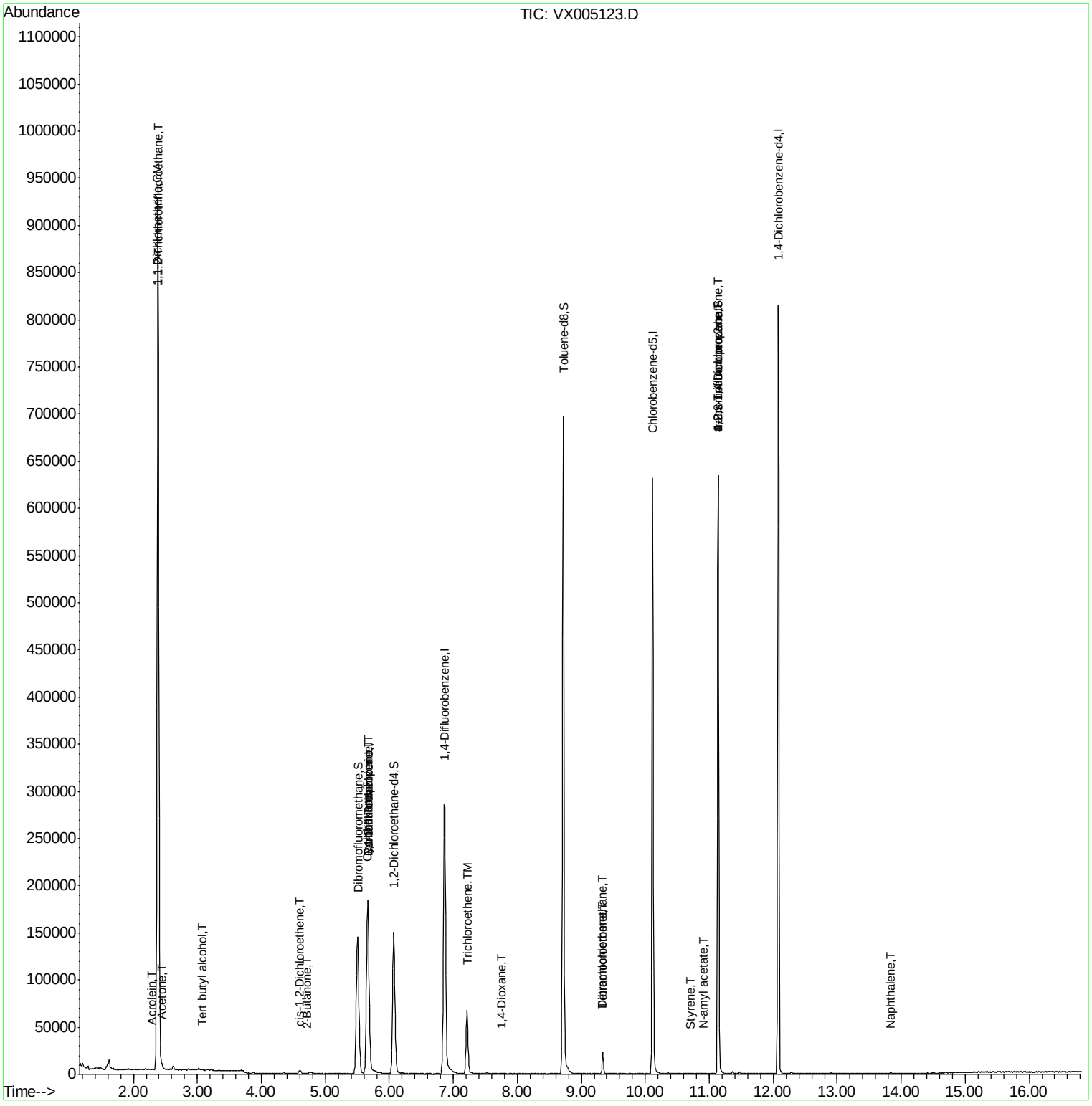
(#) = qualifier out of range (m) = manual integration (+) = signals summed

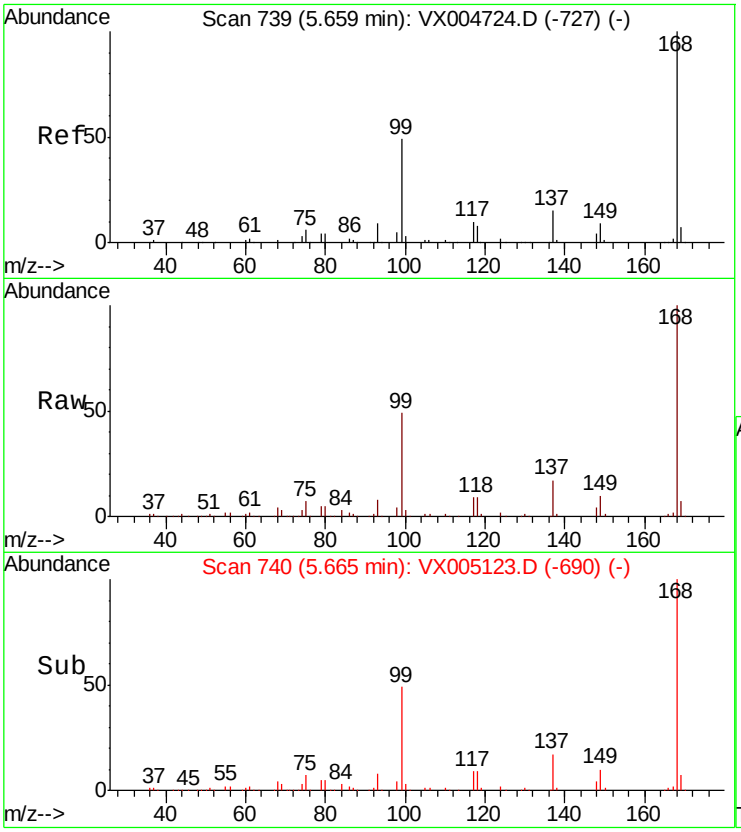
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005123.D
Acq On : 08 Oct 2018 13:21
Operator : JC/MD
Sample : J5189-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Quant Time: Oct 09 05:52:56 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



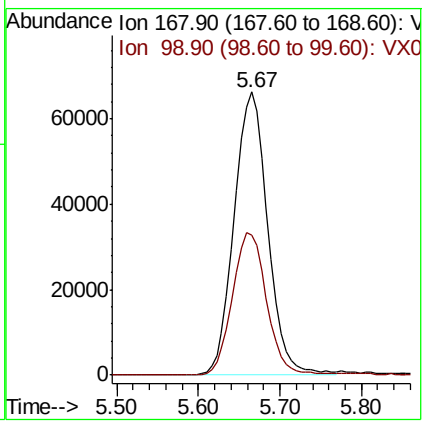


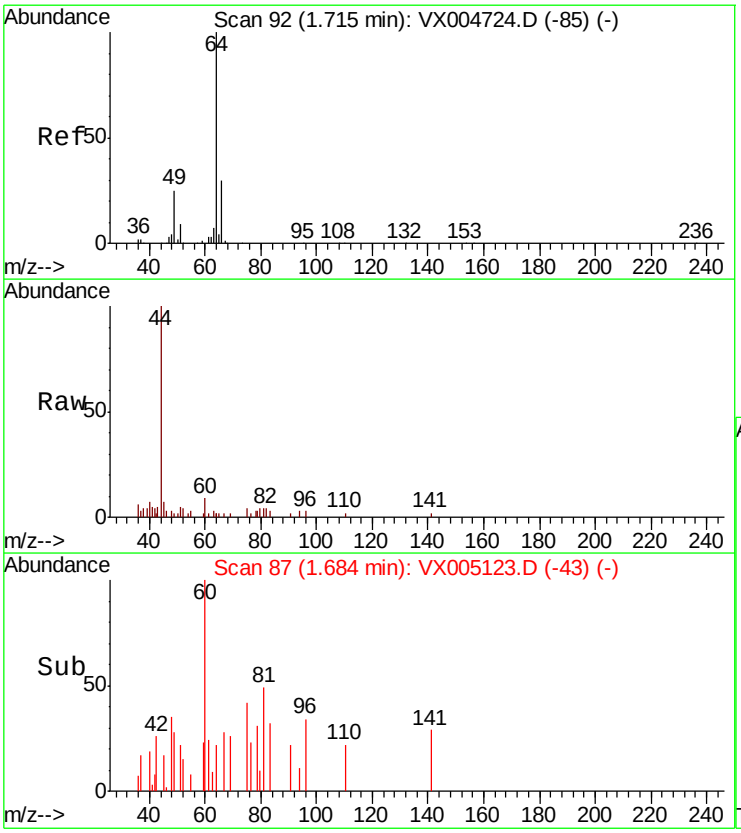

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion:168 Resp: 189607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.4 | 39.3 | 58.9 |

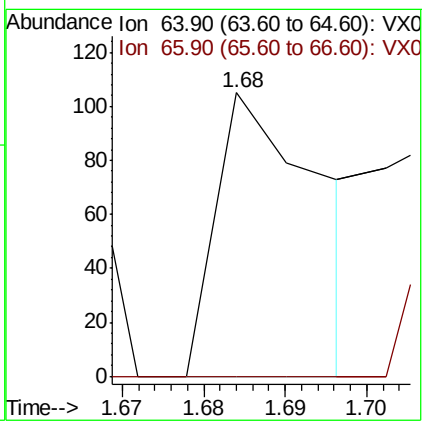


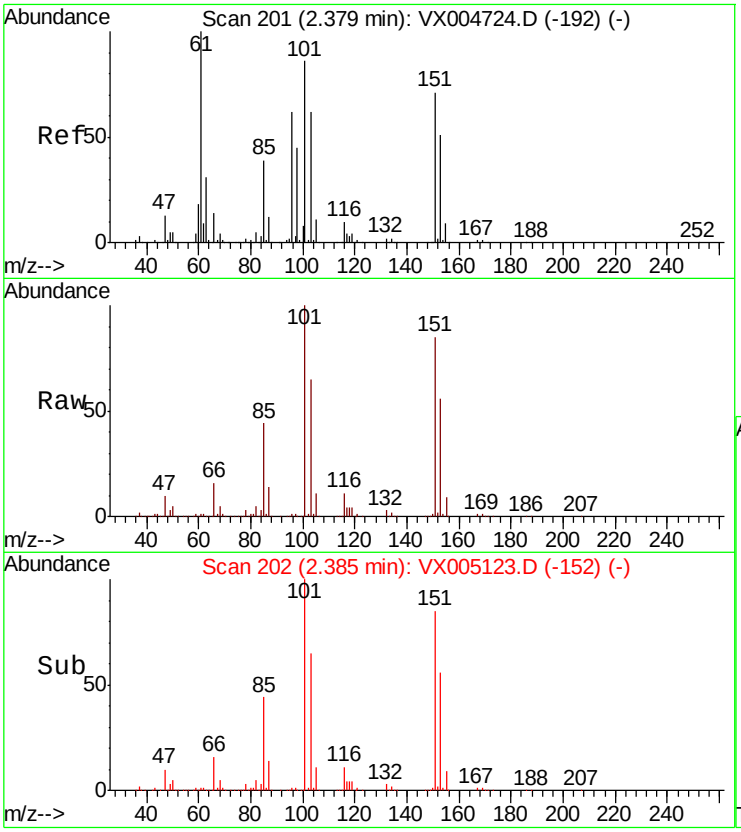




#6
Chloroethane
Concen: Below Cal
RT: 1.68 min Scan# 87
Delta R.T. -0.03 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 64 Resp: 94

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 23.8 | 35.6# |



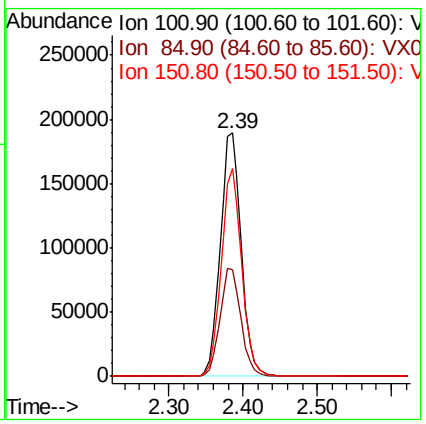


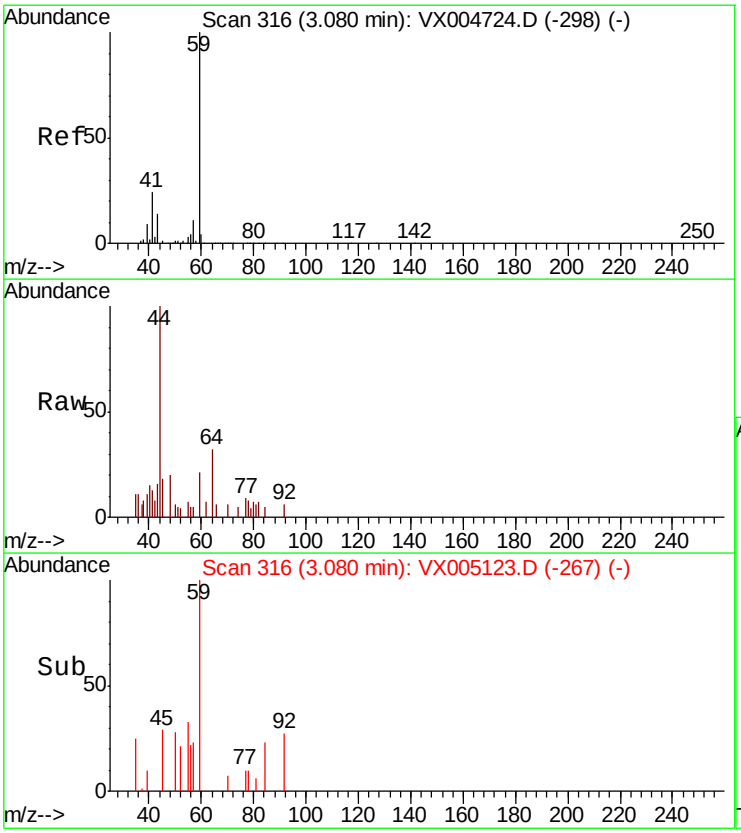

#9
1,1,2-Trichlorotrifluoroethane
Concen: 178.015 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion:101 Resp: 369293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.2 | 35.9 | 53.9 |
| 151 | 83.5 | 66.6 | 100.0 |

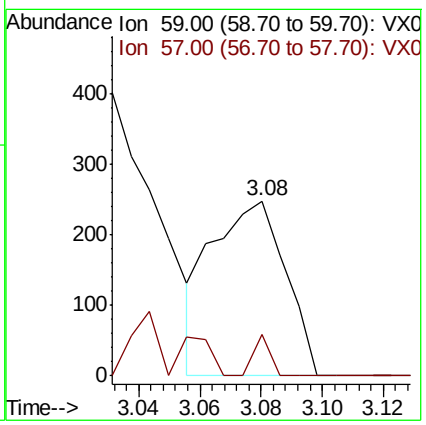


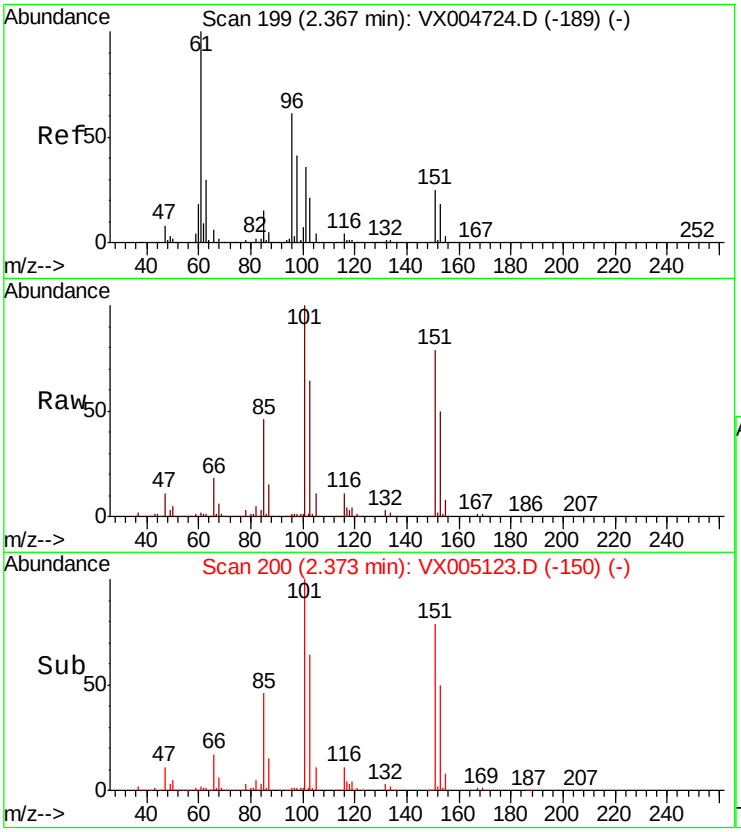




#11
Tert butyl alcohol
Concen: 0.545 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 59 Resp: 413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 5.1 | 8.6 | 12.8# |



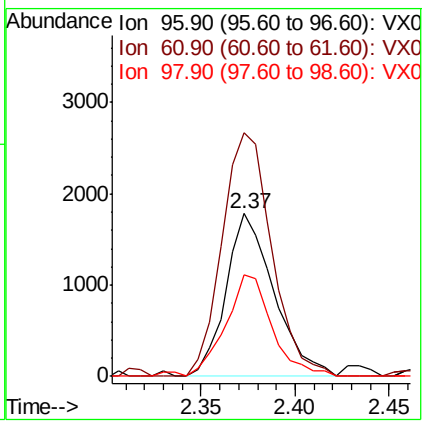


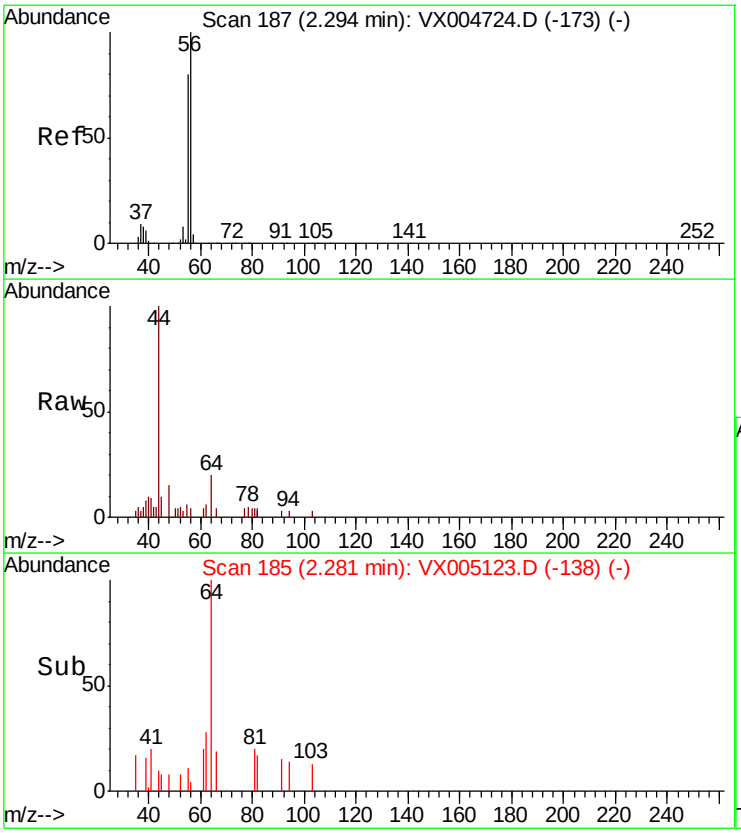

#12
1,1-Dichloroethene
Concen: 1.532 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion: 96 Resp: 3147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.7 | 130.2 | 195.4 |
| 98 | 62.5 | 53.4 | 80.0 |

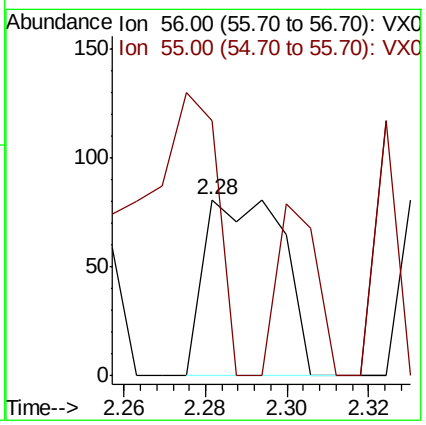


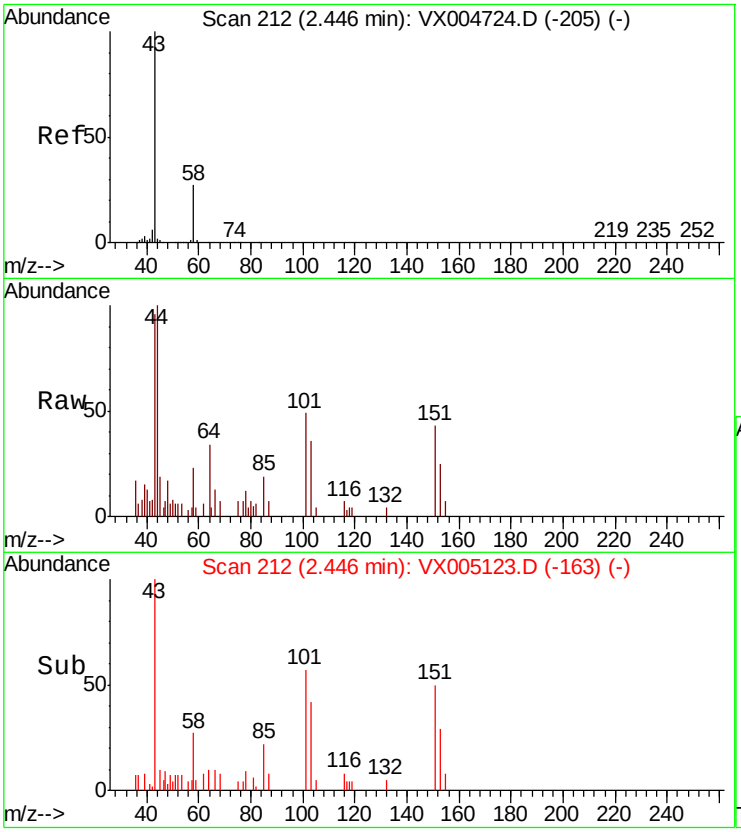




#13
Acrolein
Concen: 0.202 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 56 Resp: 109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 111.9 | 63.4 | 95.2# |



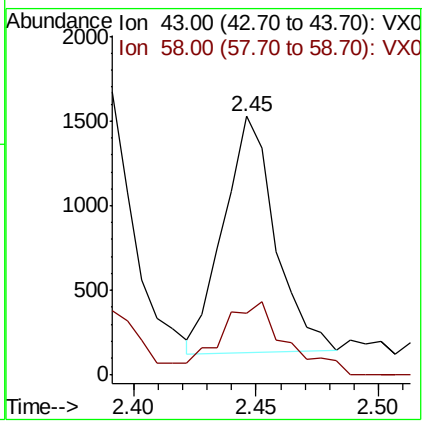


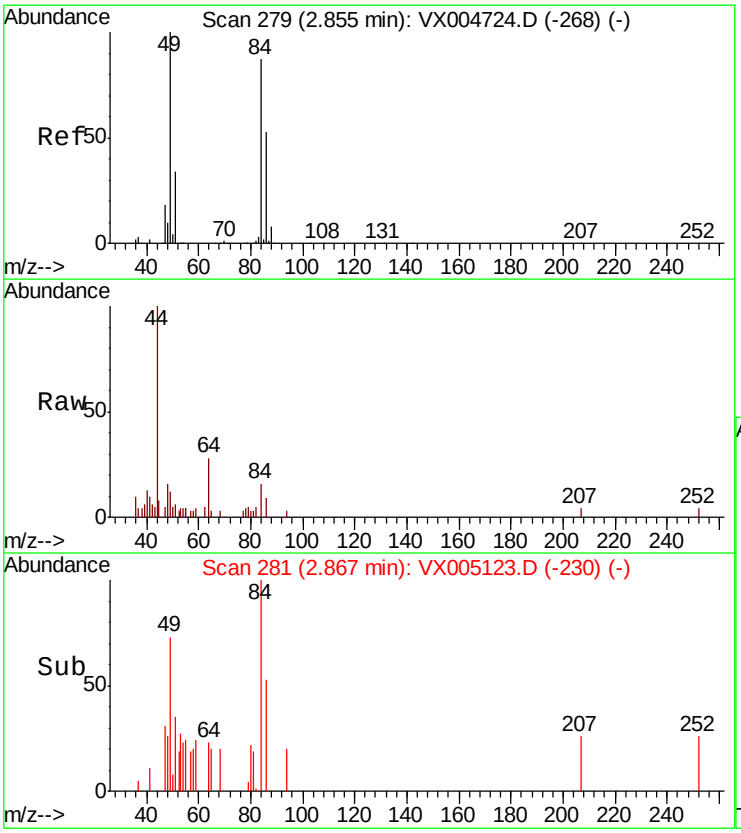

#16
Acetone
Concen: 1.298 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion: 43 Resp: 2052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.6 | 21.8 | 32.6# |

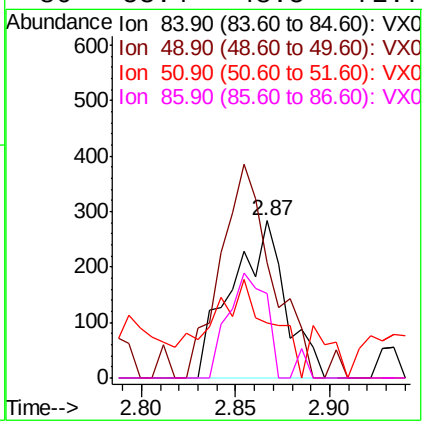


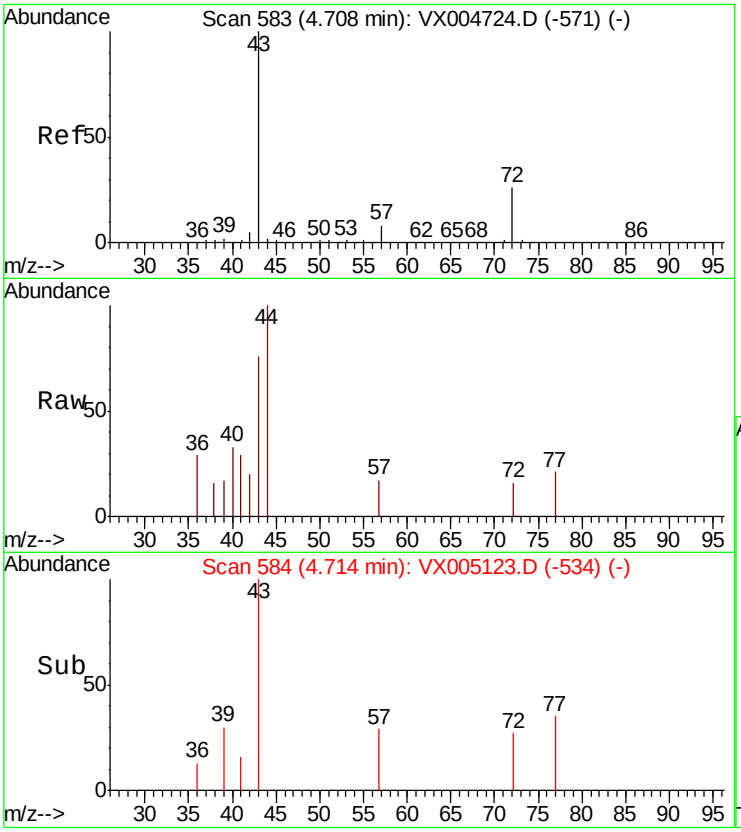




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 84 Resp: 556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 73.5 | 92.3 | 138.5# |
| 51 | 12.4 | 31.8 | 47.6# |
| 86 | 53.4 | 48.5 | 72.7 |



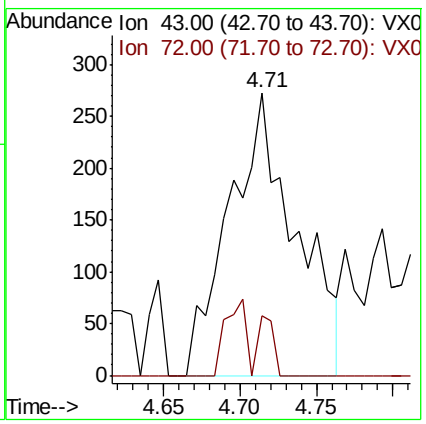


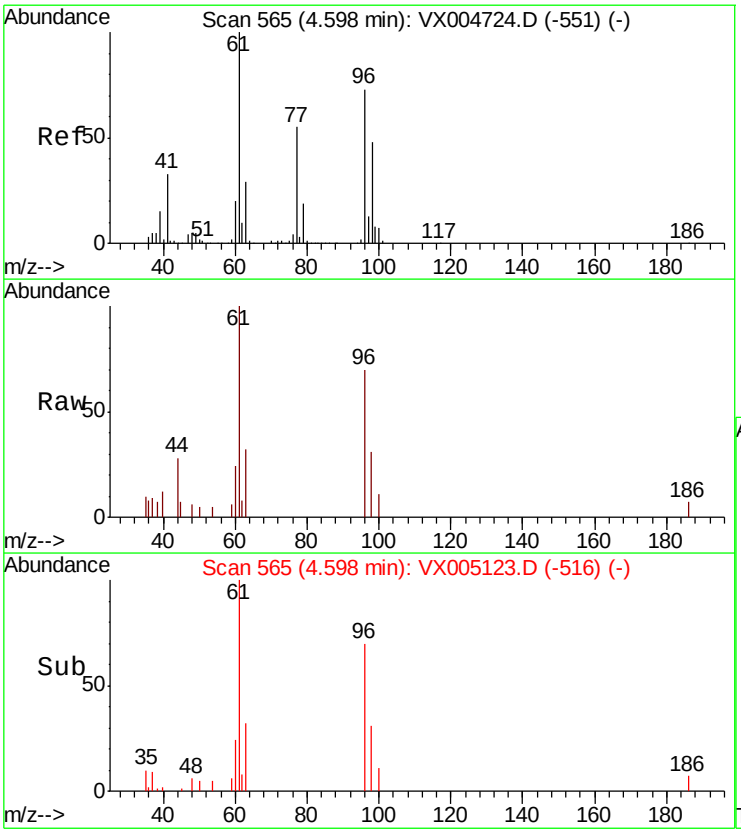

#25
2-Butanone
Concen: 0.353 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion: 43 Resp: 823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 20.9 | 20.8 | 31.2 |

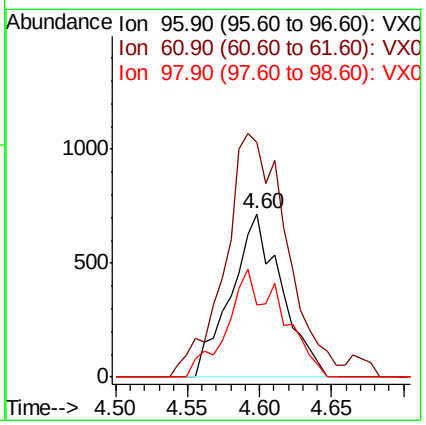


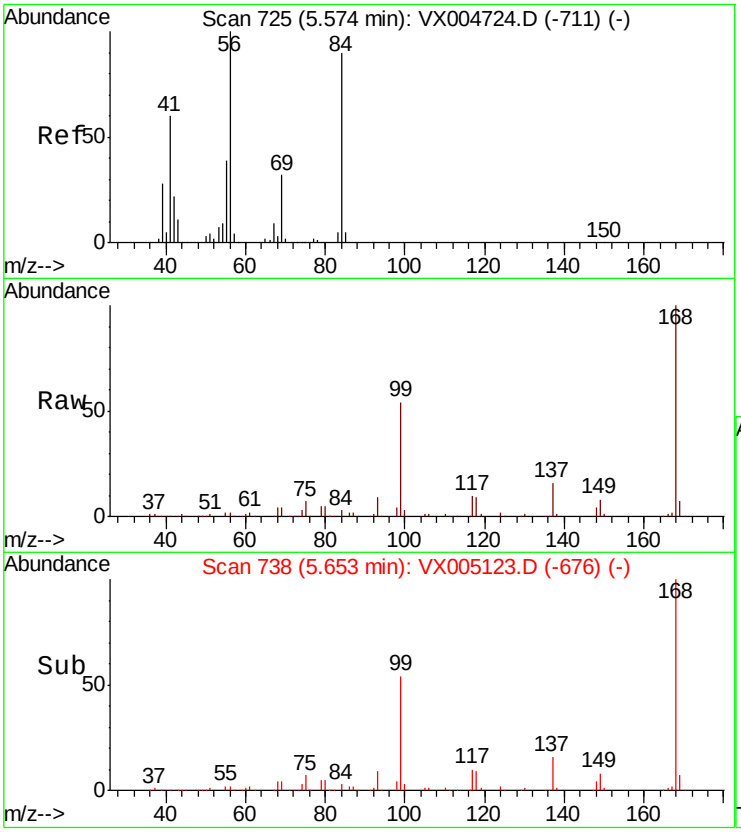




#27
cis-1,2-Dichloroethene
Concen: 0.692 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 96 Resp: 1738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 183.8 | 0.0 | 285.8 |
| 98 | 71.9 | 0.0 | 136.2 |



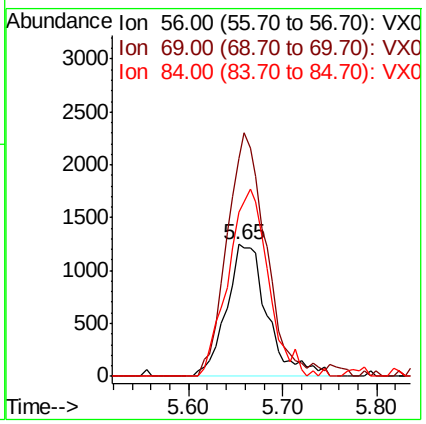


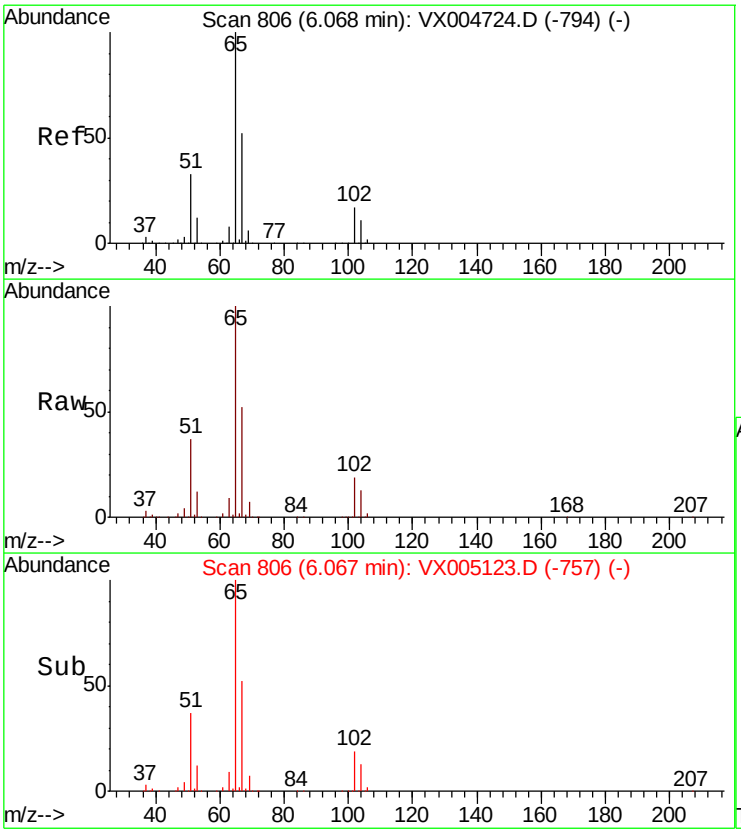

#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion: 56 Resp: 3762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 165.2 | 25.9 | 38.9# |
| 84 | 124.3 | 71.9 | 107.9# |

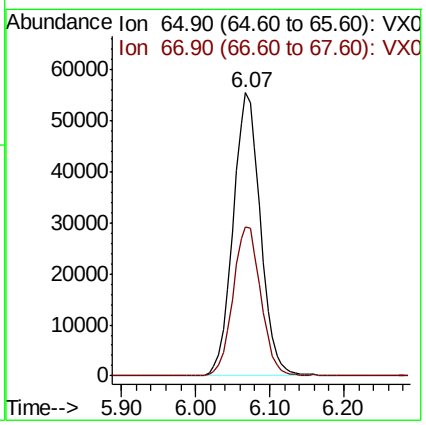


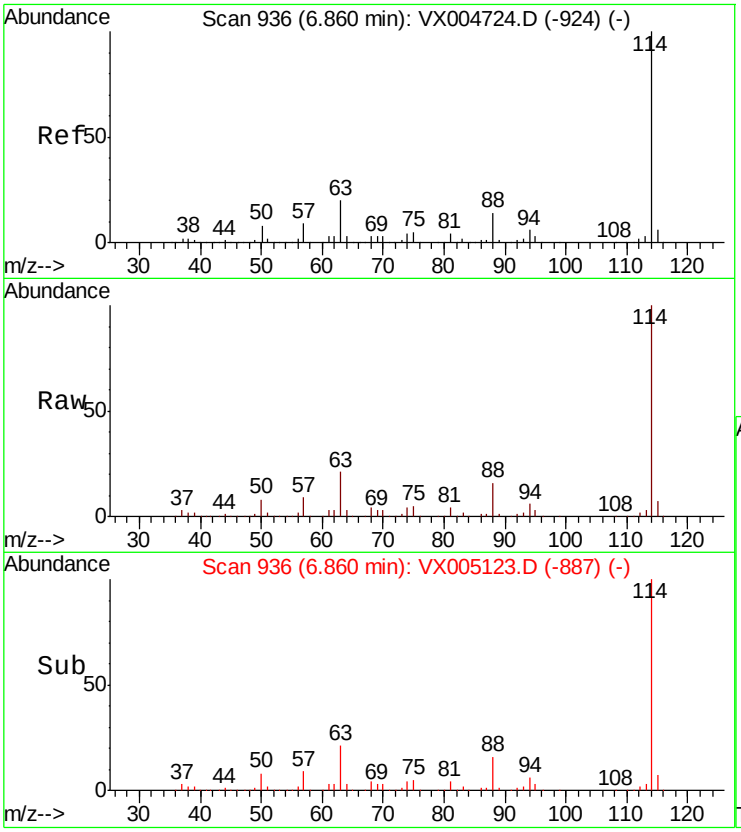




#33
1,2-Dichloroethane-d4
Concen: 52.982 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 65 Resp: 143505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.5 | 0.0 | 107.4 |



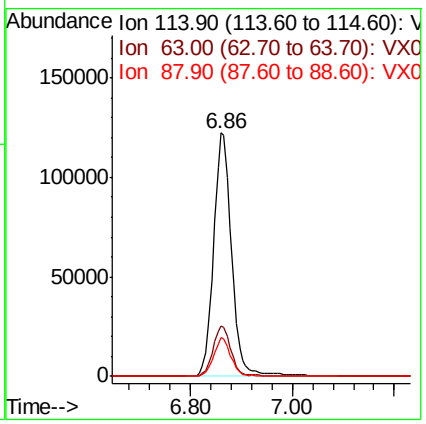


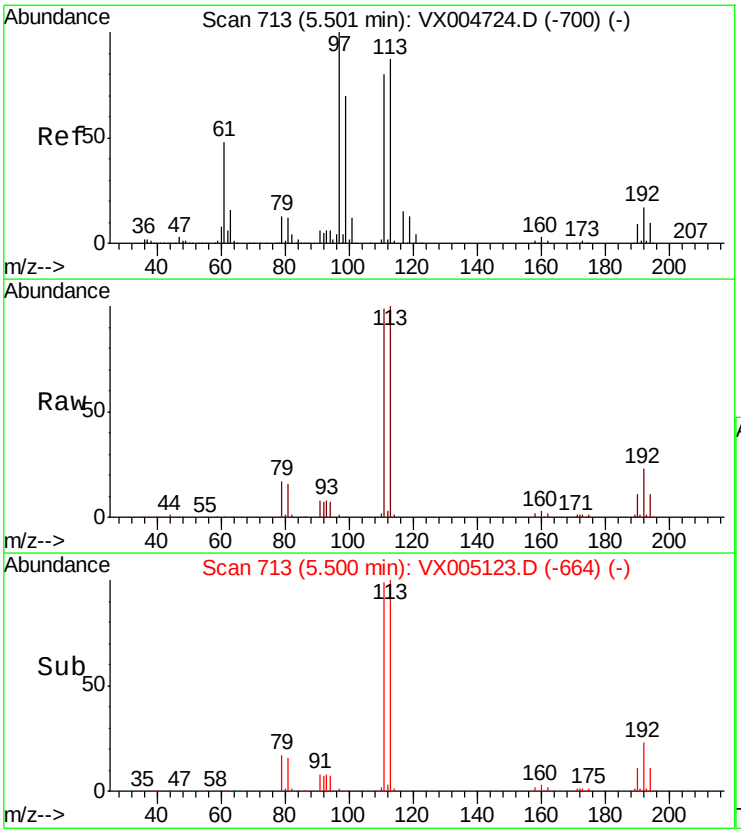

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion:114 Resp: 301912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 39.8 |
| 88 | 15.9 | 0.0 | 27.0 |

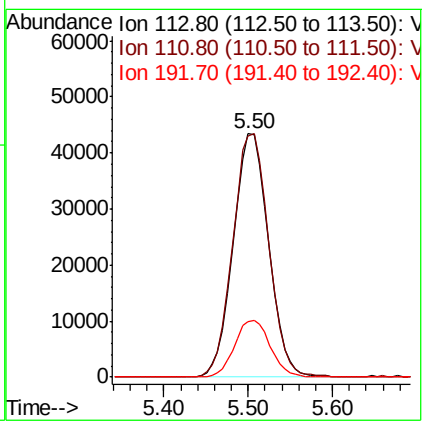


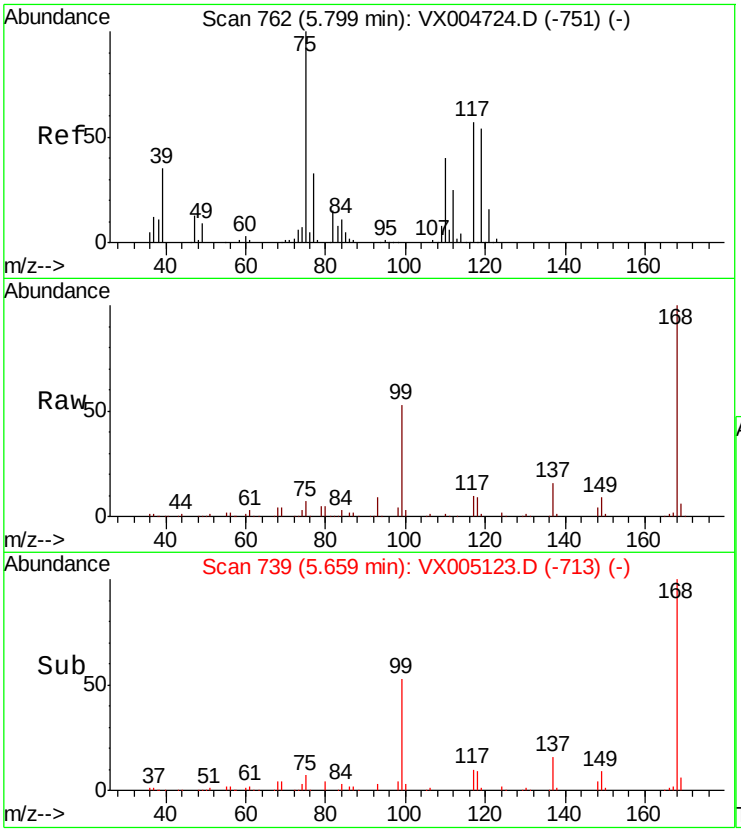




#35
Dibromofluoromethane
Concen: 48.211 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion:113 Resp: 123360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 77.0 | 115.4 |
| 192 | 23.6 | 17.0 | 25.6 |



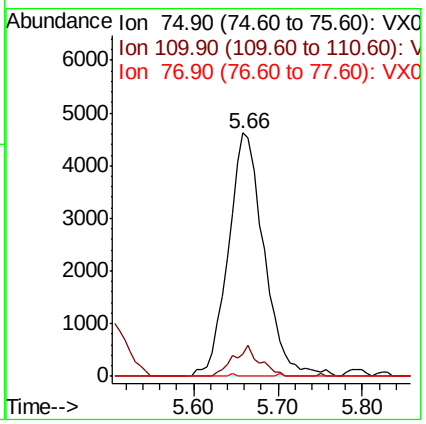


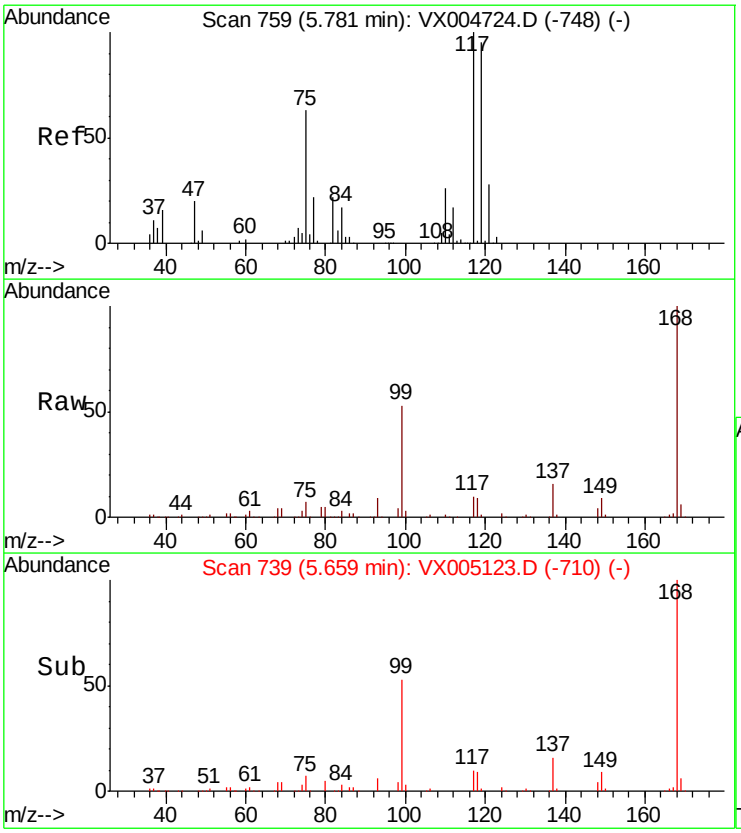

#36
1,1-Dichloropropene
Concen: 3.793 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion: 75 Resp: 13240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.4 | 20.0 | 59.9# |
| 77 | 0.2 | 27.1 | 40.7# |

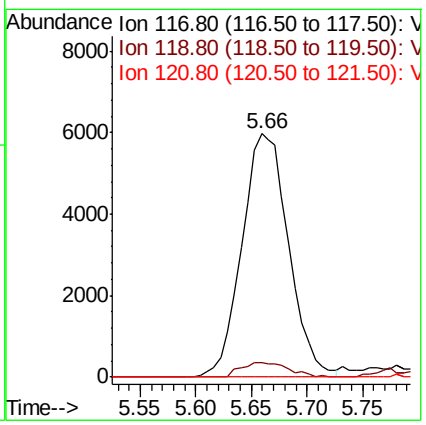


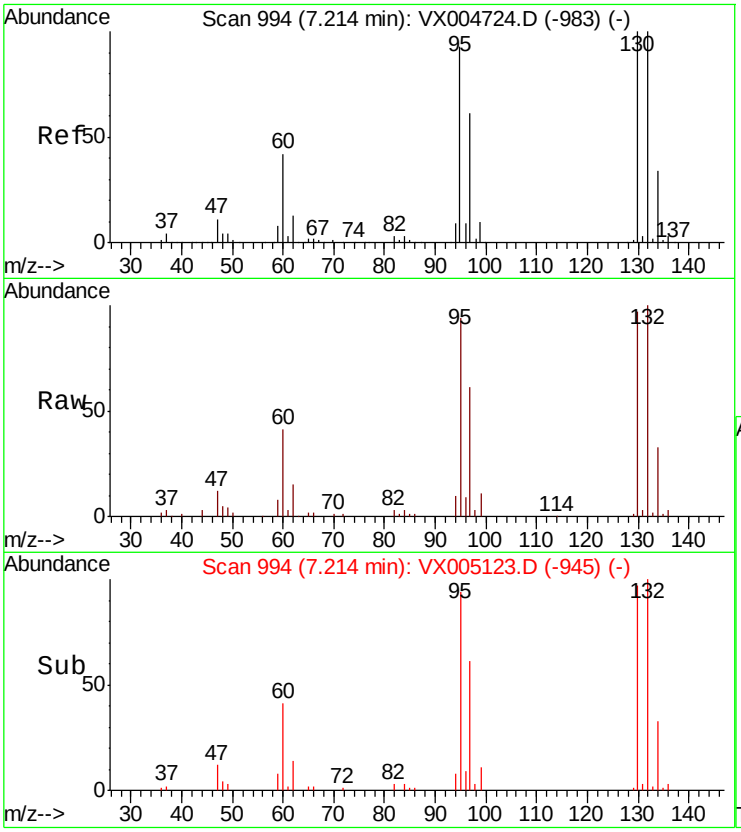




#38
Carbon Tetrachloride
Concen: 4.744 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion:117 Resp: 17410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.2 | 75.2 | 112.8# |
| 121 | 0.0 | 22.5 | 33.7# |



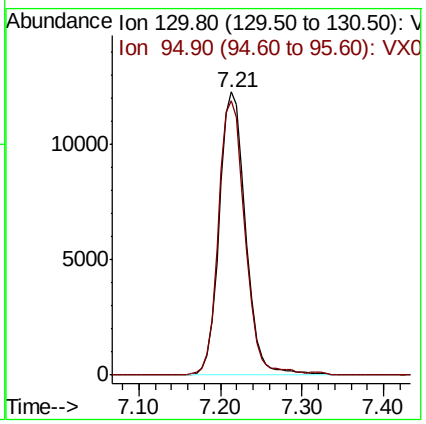


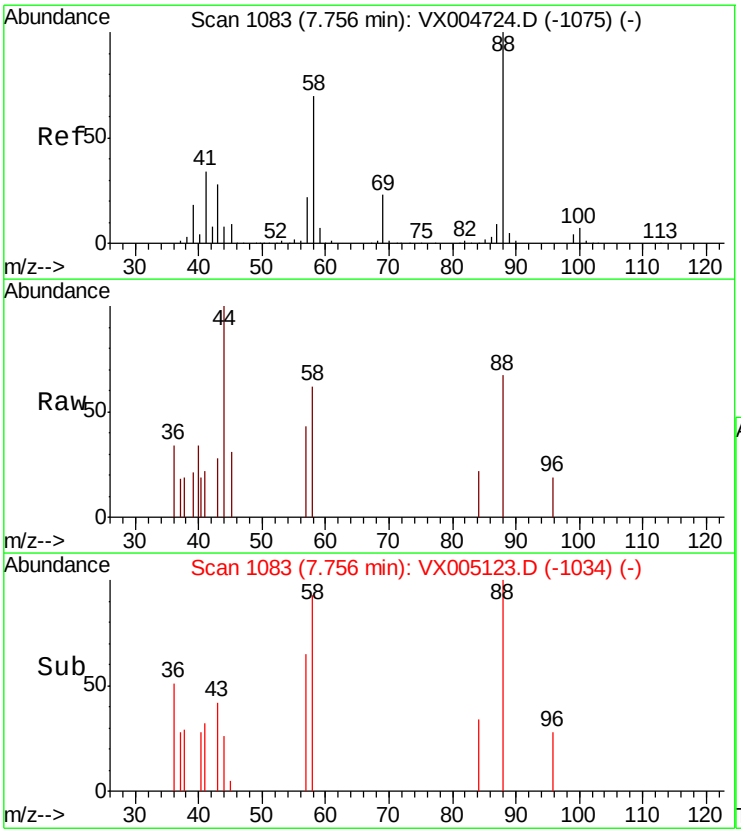

#44
Trichloroethene
Concen: 10.164 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion:130 Resp: 27309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.9 | 0.0 | 186.8 |

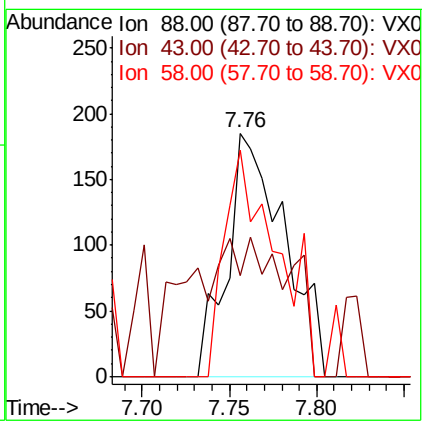


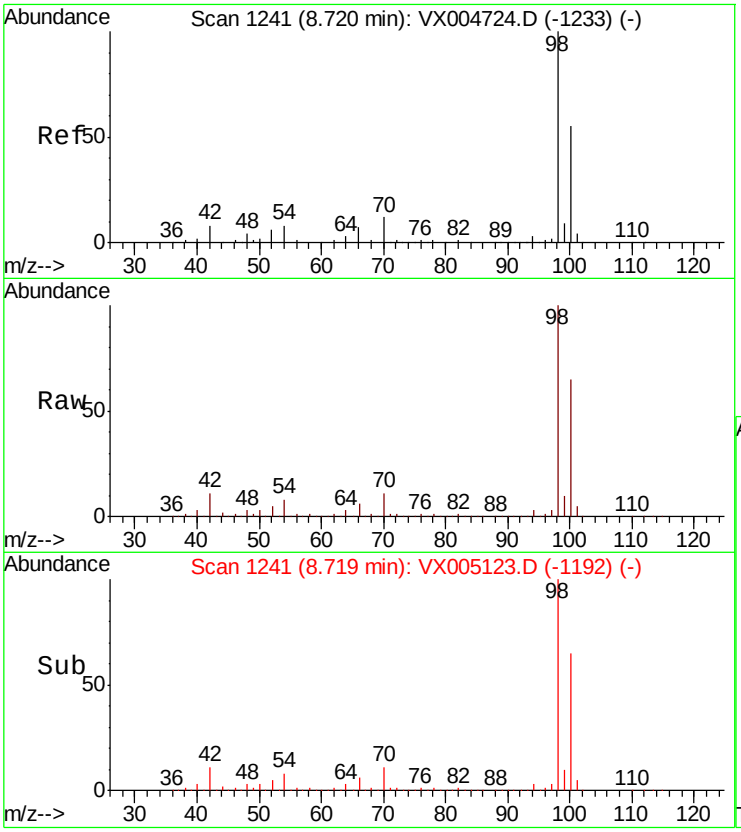




#49
1,4-Dioxane
Concen: 5.582 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 88 Resp: 421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 53.9 | 25.1 | 37.7# |
| 58 | 85.5 | 56.2 | 84.2# |



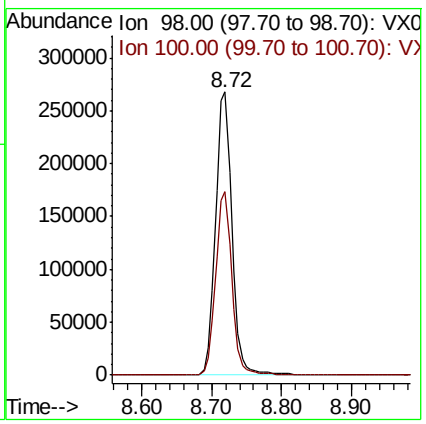


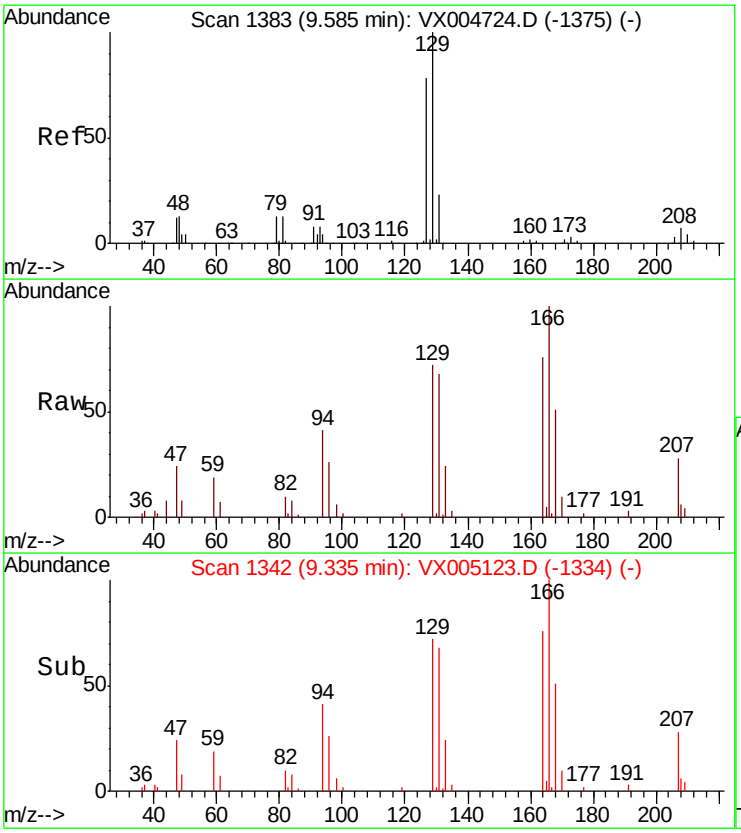

#50
Toluene-d8
Concen: 51.483 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion: 98 Resp: 437939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 51.9 | 77.9 |

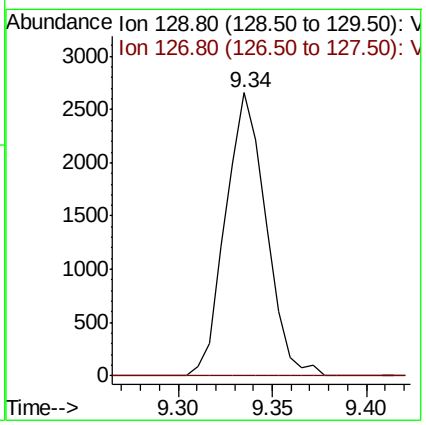


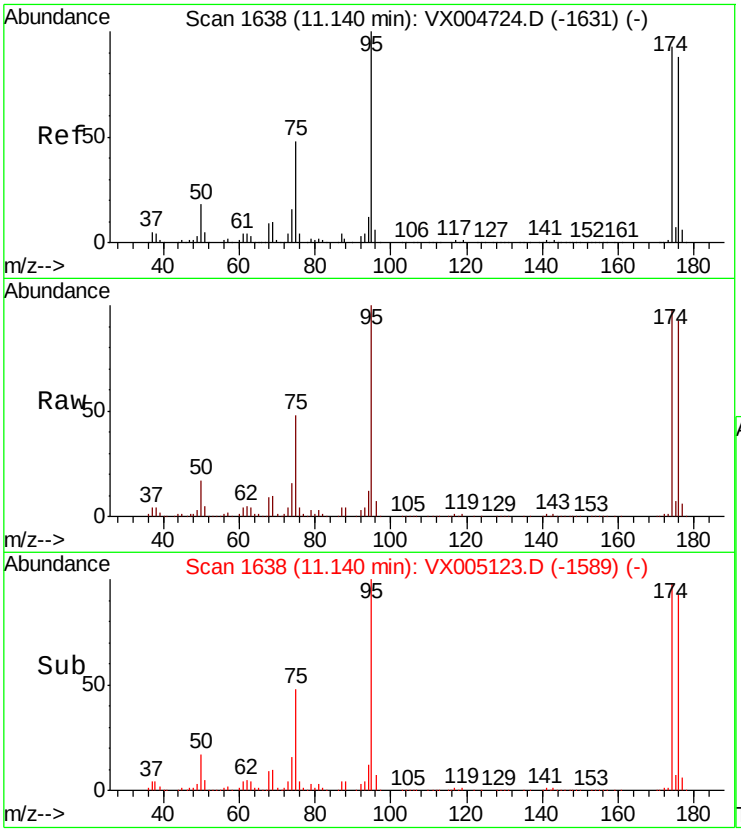




#60
Dibromochloromethane
Concen: 1.504 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion:129 Resp: 3958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 39.1 | 117.2# |



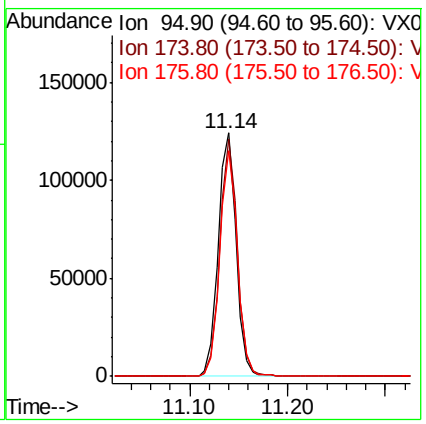


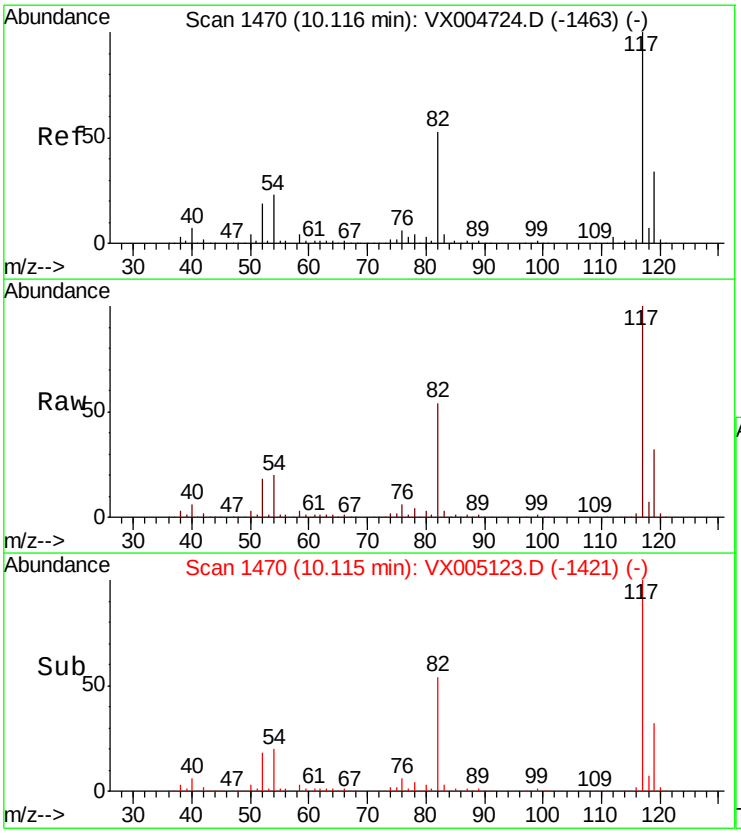

#62
4-Bromofluorobenzene
Concen: 51.489 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion: 95 Resp: 157788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 95.2 | 0.0 | 185.0 |
| 176 | 91.6 | 0.0 | 180.2 |

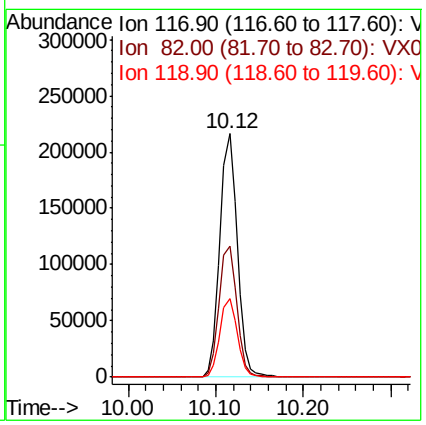


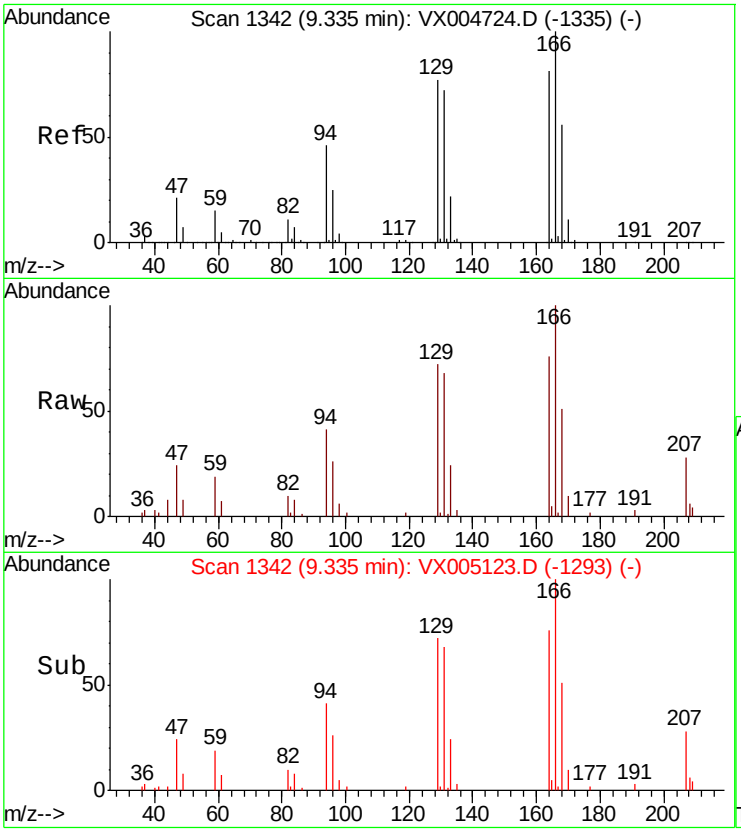




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion:117 Resp: 298746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 42.2 | 63.4 |
| 119 | 32.3 | 27.4 | 41.0 |



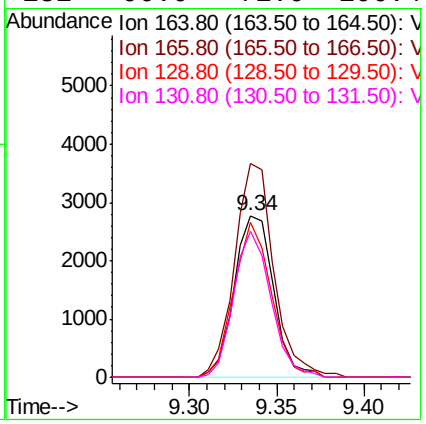


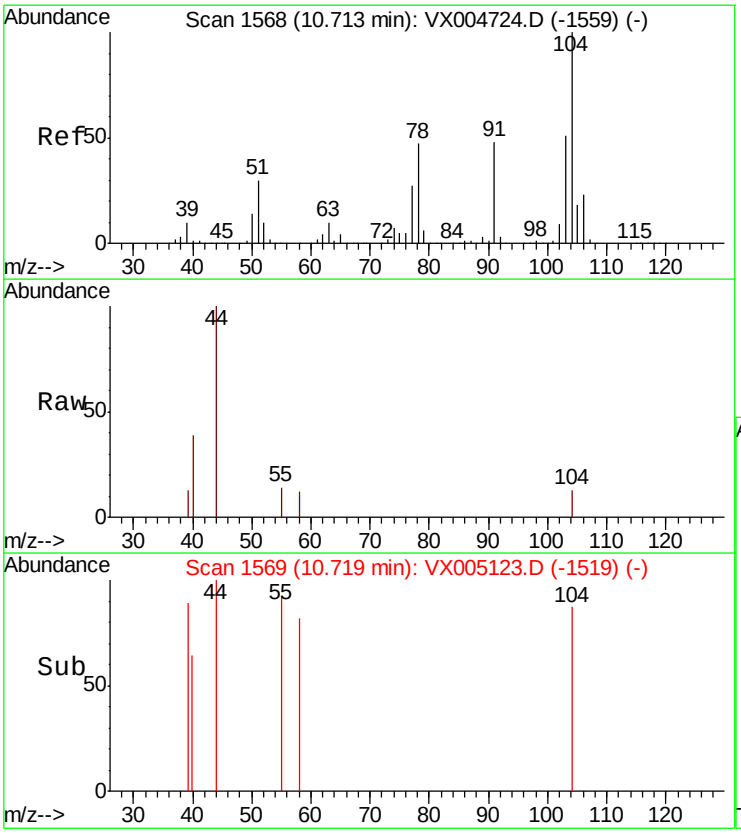

#64
Tetrachloroethene
Concen: 1.482 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion:164 Resp: 4357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.9 | 98.4 | 147.6 |
| 129 | 95.5 | 76.1 | 114.1 |
| 131 | 90.0 | 71.0 | 106.4 |

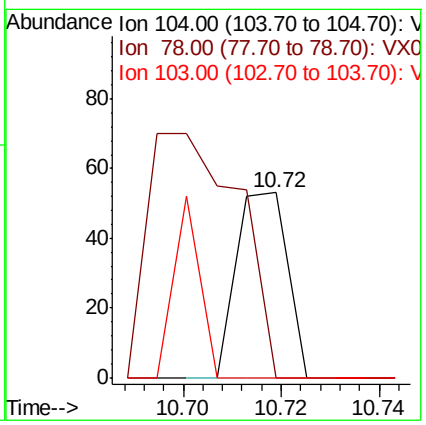


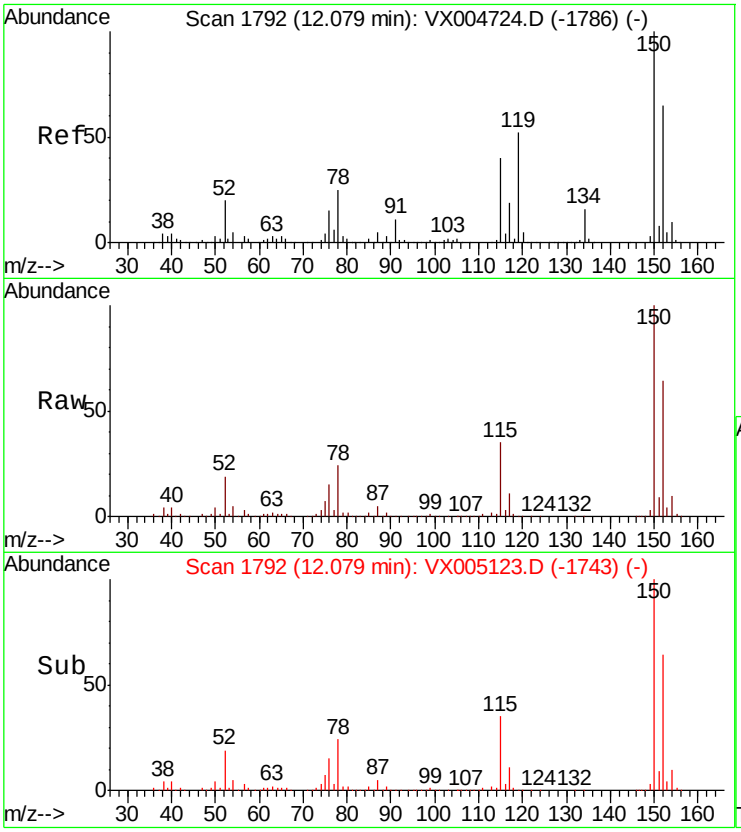




#70
Styrene
Concen: 2.145 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion:104 Resp: 38

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



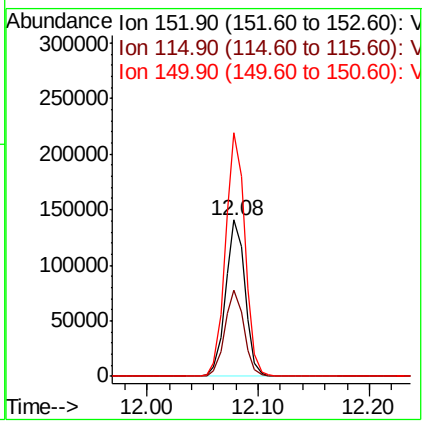


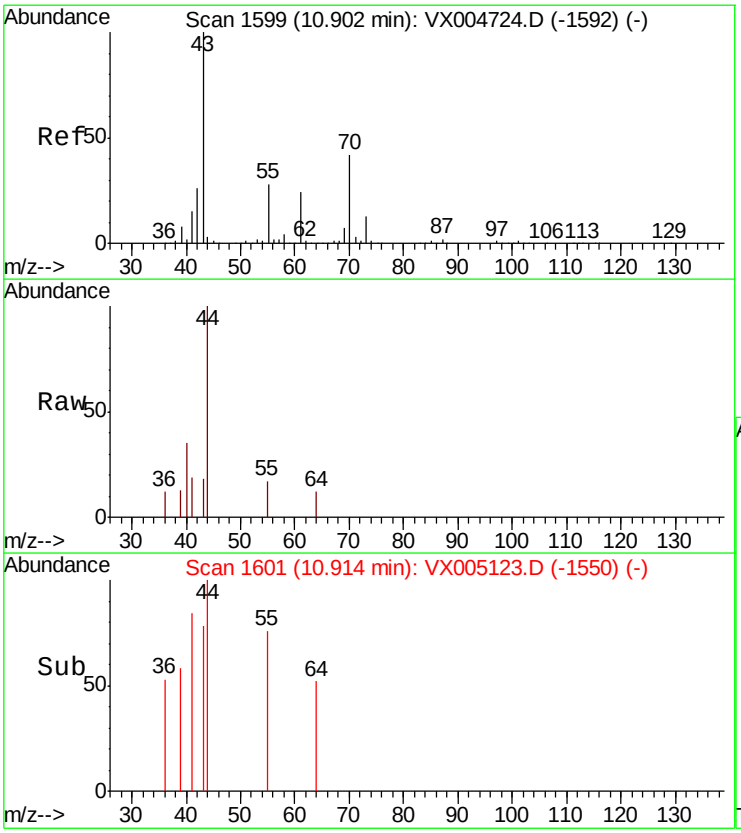

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion:152 Resp: 169228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.6 | 40.2 | 120.6 |
| 150 | 156.2 | 0.0 | 351.0 |

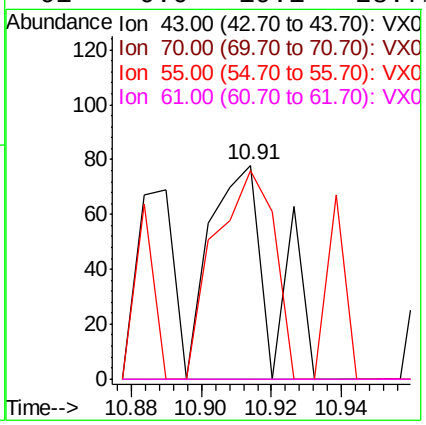


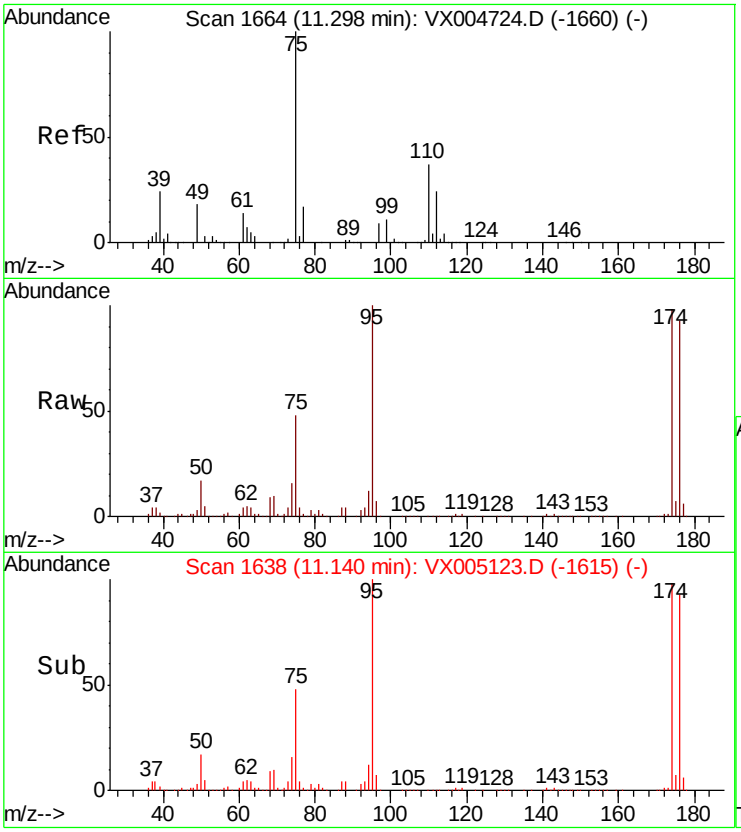




#74
N-amyl acetate
Concen: 1.764 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 43 Resp: 98

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 32.6 | 48.8# |
| 55 | 91.8 | 21.6 | 32.4# |
| 61 | 0.0 | 19.1 | 28.7# |



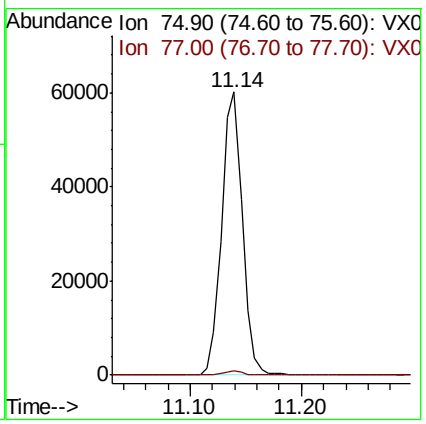


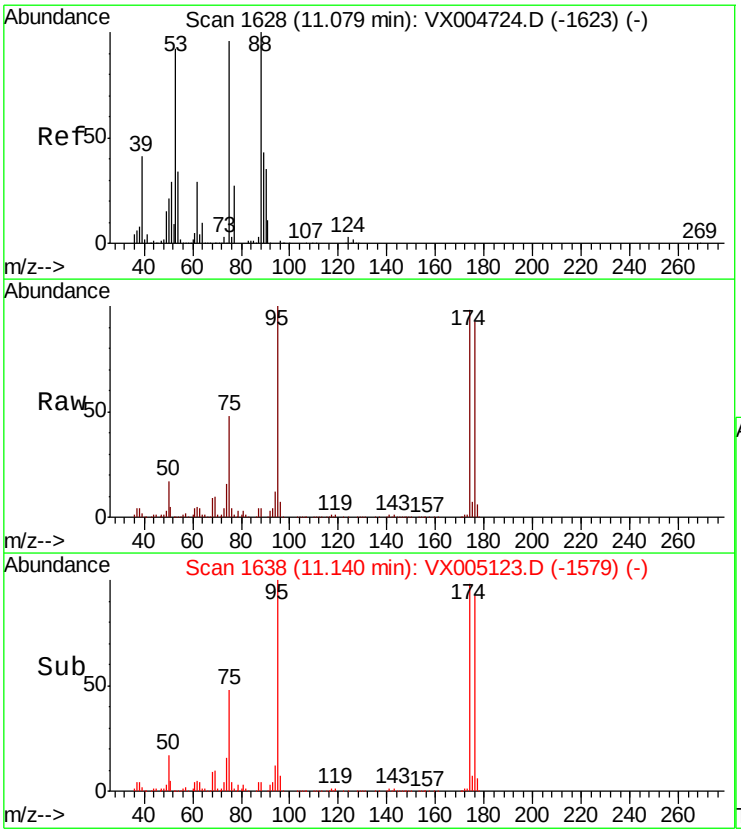

#76
1,2,3-Trichloropropane
Concen: 20.472 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion: 75 Resp: 77652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 21.4 | 64.3# |

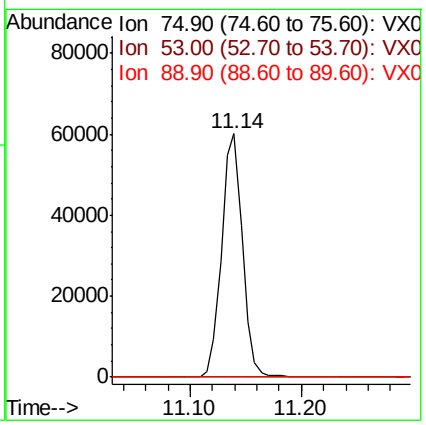


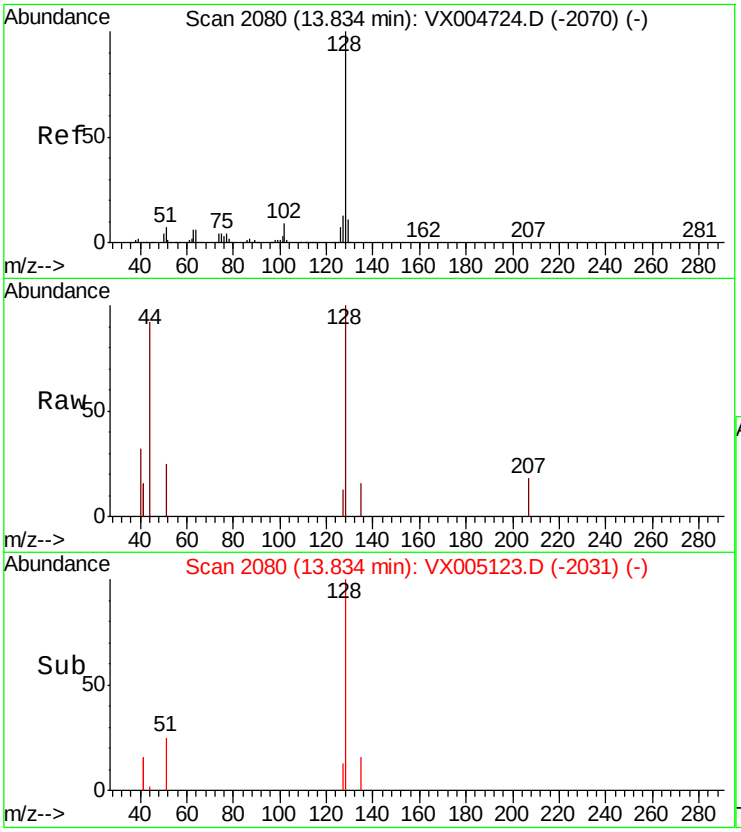




#81
trans-1,4-Dichloro-2-butene
Concen: 55.604 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

Tgt Ion: 75 Resp: 77652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.4 | 80.2 | 120.4# |
| 89 | 0.0 | 37.1 | 55.7# |






#95
Naphthalene
Concen: 0.755 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005123.D
Acq: 08 Oct 2018 13:21

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-131D3-20180927

Tgt Ion:128 Resp: 511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 8.0 | 10.4 | 15.6# |
| 129 | 4.3 | 8.7 | 13.1# |