Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101119\
Data File : VX013011.D
Acq On : 11 Oct 2019 13:09
Operator : JC/SP
Sample : VX1011WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VX1011WBL01

Quant Time: Oct 11 23:22:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 165493 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 271478 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 230338 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 92190 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.04 | 65 | 102392 | 49.50 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 99.00% | | | |
| 35) Dibromofluoromethane | 5.48 | 113 | 80516 | 51.67 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.34% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 313198 | 51.54 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.08% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 108258 | 45.85 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.70% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 754 | 0.957 | ug/l | 85 |
| 6) Chloroethane | 1.69 | 64 | 223 | 0.559 | ug/l # | 43 |
| 10) Methyl Iodide | 2.50 | 142 | 469 | 5.306 | ug/l # | 89 |
| 11) Tert butyl alcohol | 3.01 | 59 | 1557 | 2.840 | ug/l # | 72 |
| 13) Acrolein | 2.28 | 56 | 233 | 0.598 | ug/l # | 39 |
| 15) Acrylonitrile | 3.14 | 53 | 275 | 0.265 | ug/l # | 46 |
| 16) Acetone | 2.45 | 43 | 613 | 0.562 | ug/l # | 43 |
| 17) Carbon Disulfide | 2.56 | 76 | 1254 | 0.263 | ug/l | 98 |
| 20) Methylene Chloride | 2.85 | 84 | 666 | 0.332 | ug/l # | 68 |
| 25) 2-Butanone | 4.69 | 43 | 364 | 0.241 | ug/l # | 49 |
| 28) Bromochloromethane | 5.00 | 49 | 19 | Below Cal | # | 13 |
| 31) Cyclohexane | 5.65 | 56 | 3348 | 1.115 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 12954 | 5.427 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 17130 | 7.373 | ug/l # | 17 |
| 51) 4-Methyl-2-Pentanone | 8.71 | 43 | 1401 | 0.525 | ug/l # | 1 |
| 53) t-1,3-Dichloropropene | 9.05 | 75 | 94 | 2.200 | ug/l # | 42 |
| 60) Dibromochloromethane | 9.33 | 129 | 115 | 1.913 | ug/l # | 10 |
| 71) Bromoform | 11.12 | 173 | 153 | 3.239 | ug/l # | 29 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 54281 | 26.546 | ug/l # | 33 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 54281 | 66.772 | ug/l # | 10 |
| 89) n-Butylbenzene | 12.39 | 91 | 1121 | 0.225 | ug/l | 86 |
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 671 | 0.368 | ug/l | 78 |
| 95) Naphthalene | 13.83 | 128 | 1660 | 0.263 | ug/l # | 89 |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180 | 564 | 0.300 | ug/l | 90 |

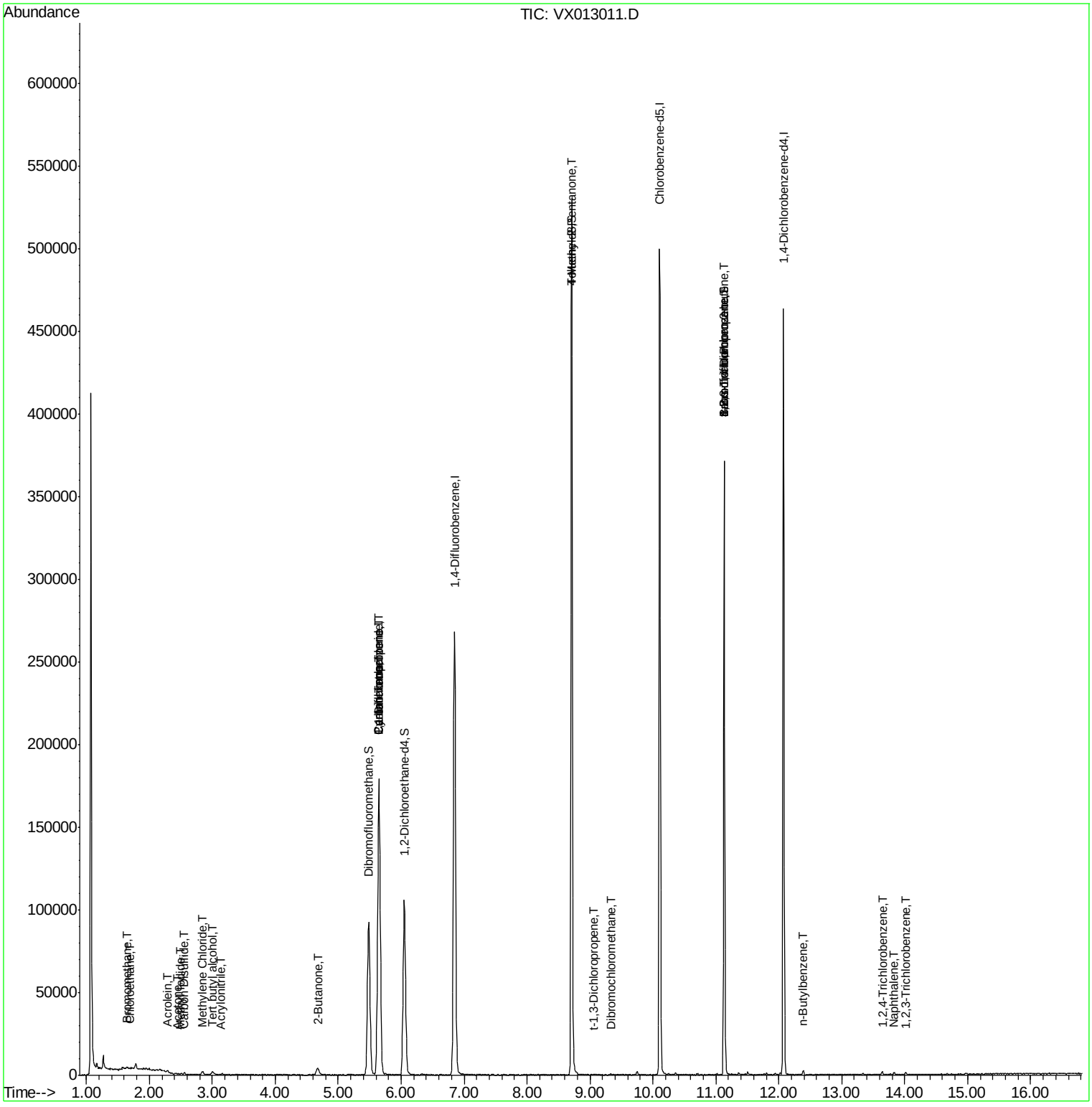
(#) = qualifier out of range (m) = manual integration (+) = signals summed

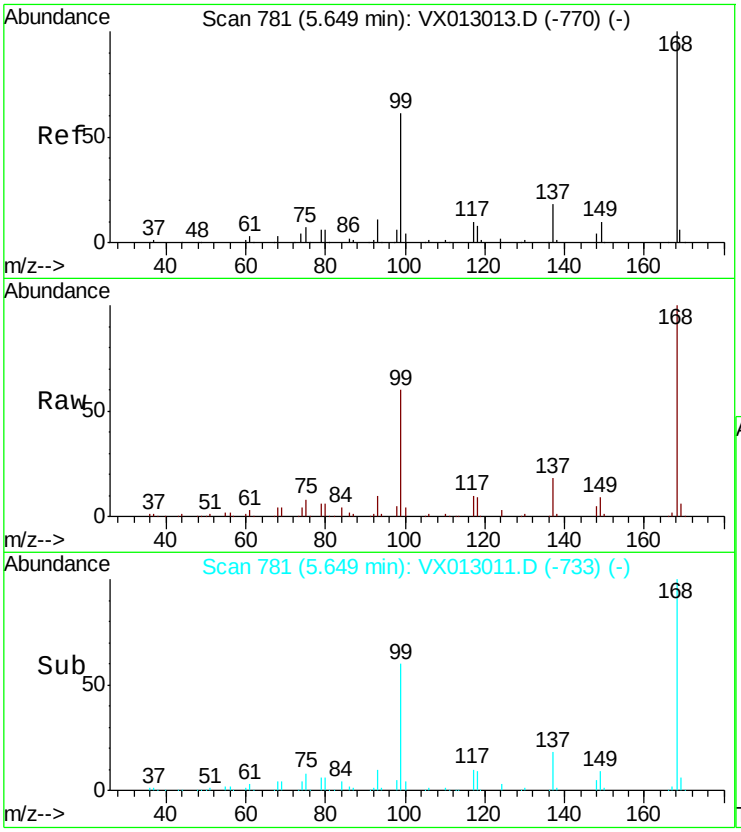
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
Data File : VX013011.D
Acq On : 11 Oct 2019 13:09
Operator : JC/SP
Sample : VX1011WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VX1011WBL01

Quant Time: Oct 11 23:22:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

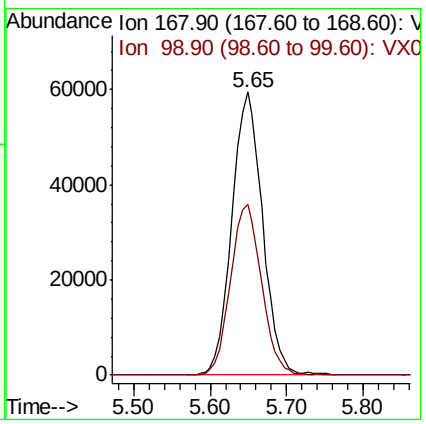




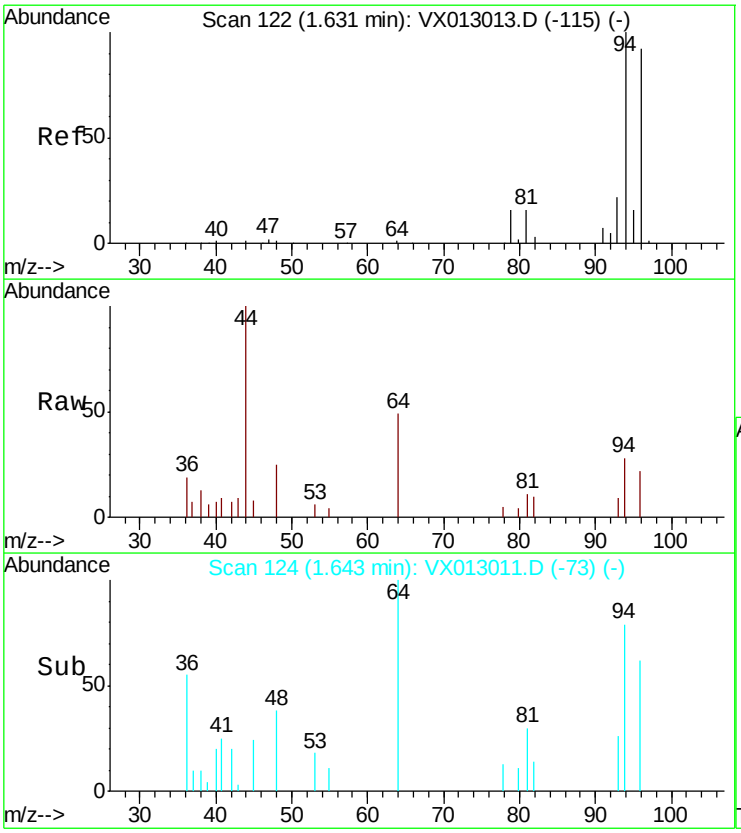

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:168 Resp: 165493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.3 | 49.4 | 74.0 |



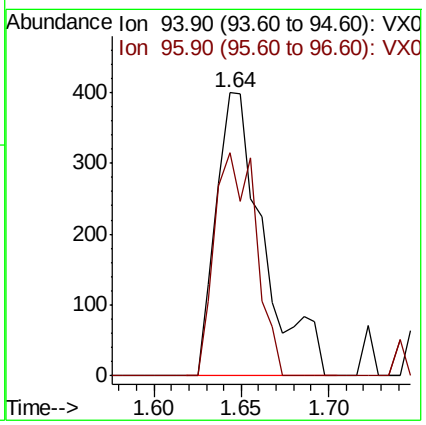

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

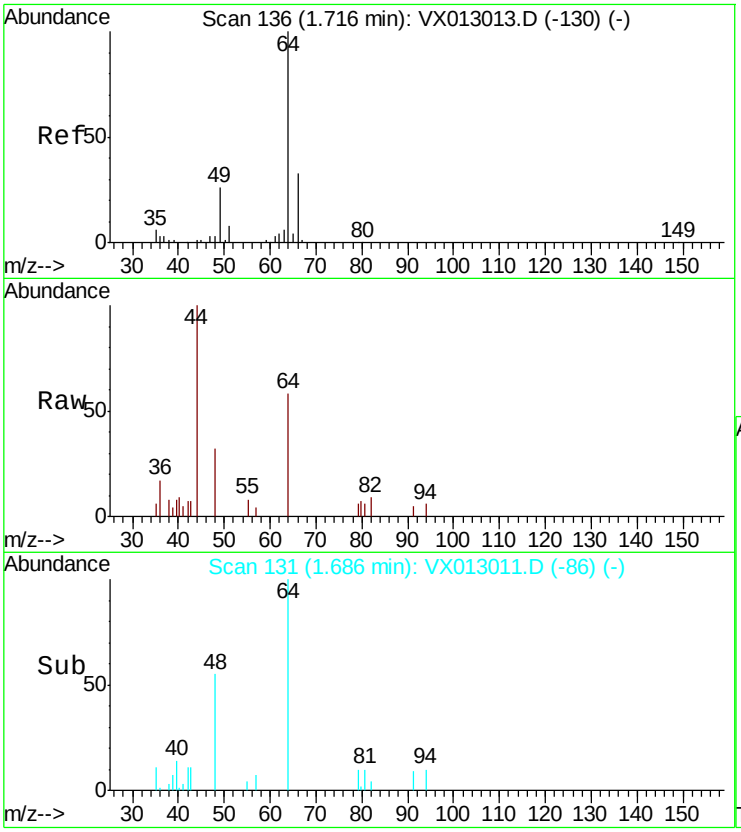



#5
Bromomethane
Concen: 0.957 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion: 94 Resp: 754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 78.7 | 74.7 | 112.1 |



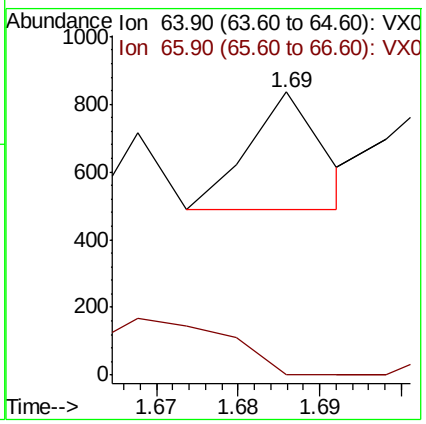


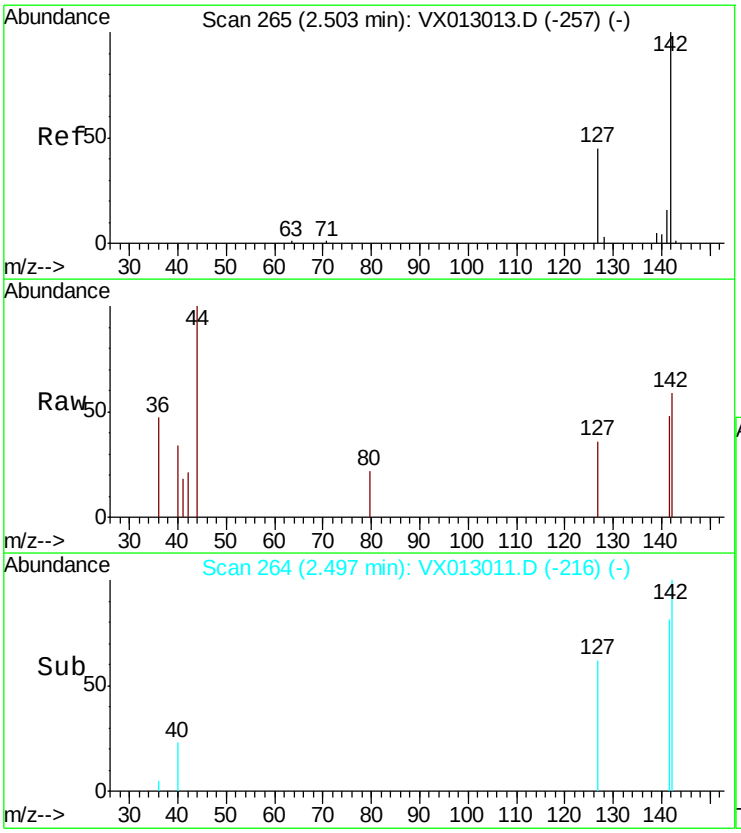

#6
Chloroethane
Concen: 0.559 ug/l
RT: 1.69 min Scan# 131
Delta R.T. -0.02 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion: 64 Resp: 223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.6 | 38.4# |

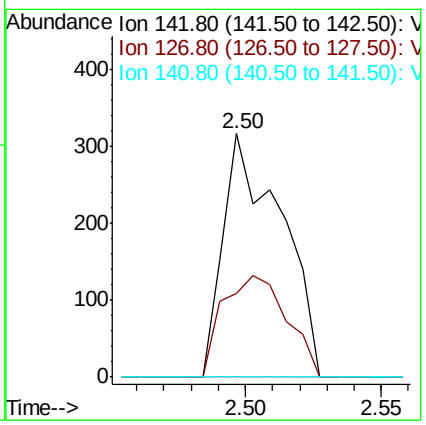


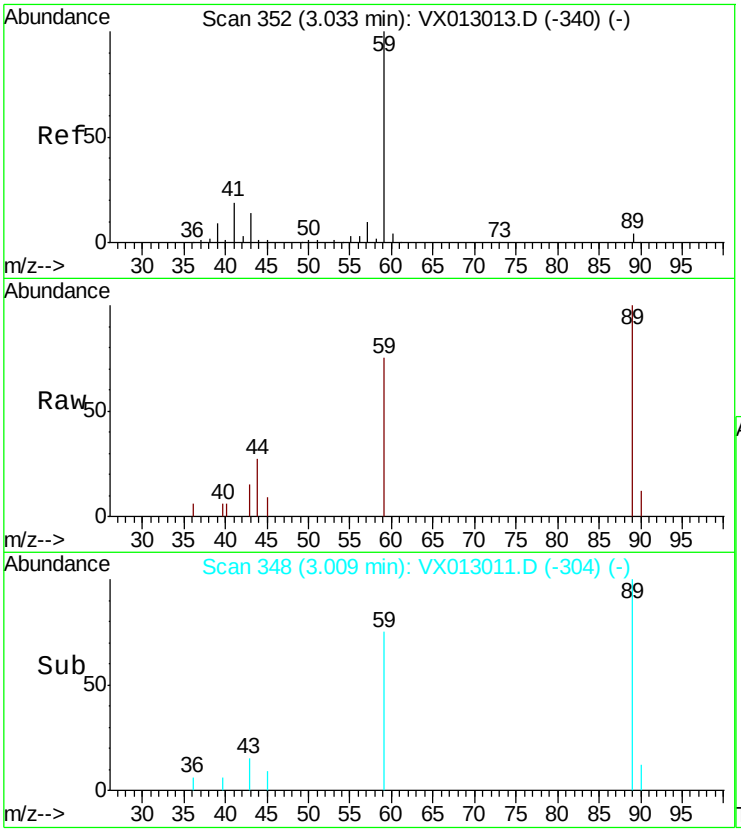




#10
Methyl Iodide
Concen: 5.306 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:142 Resp: 469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.6 | 34.9 | 52.3 |
| 141 | 0.0 | 11.6 | 17.4# |



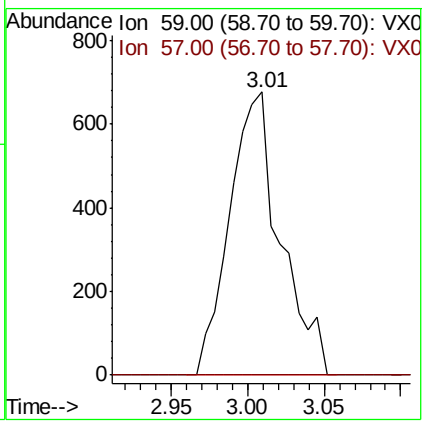


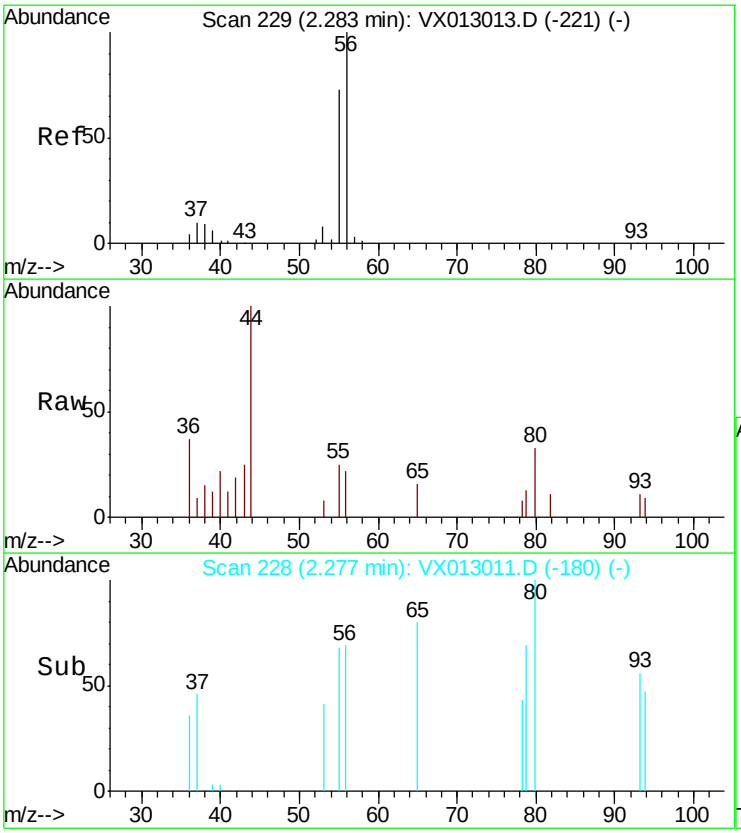

#11
Tert butyl alcohol
Concen: 2.840 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :** MSVOA_X
**ClientSampleId :** VX1011WBL01

Tgt Ion: 59 Resp: 1557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.3 | 12.5# |

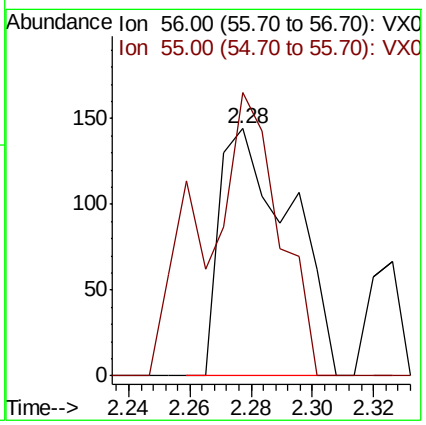


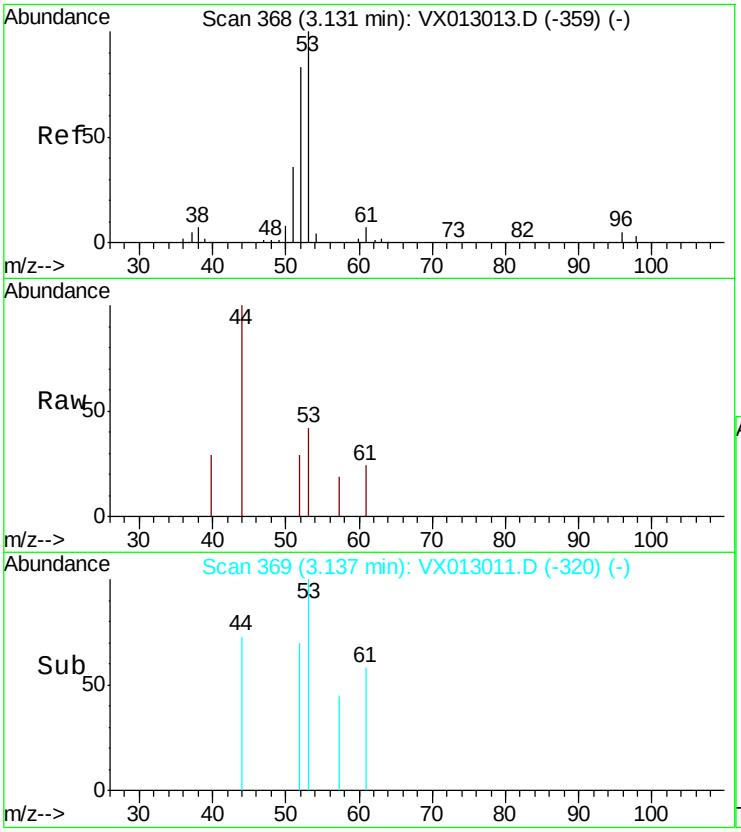




#13
Acrolein
Concen: 0.598 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion: 56 Resp: 233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 121.5 | 56.6 | 85.0# |



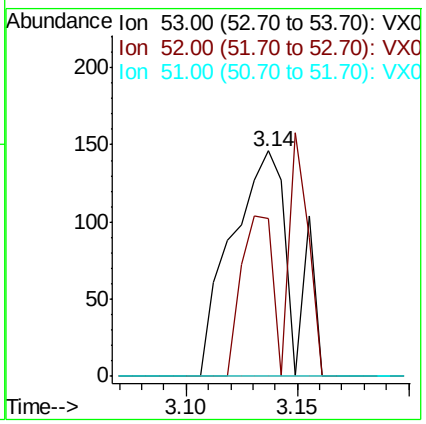


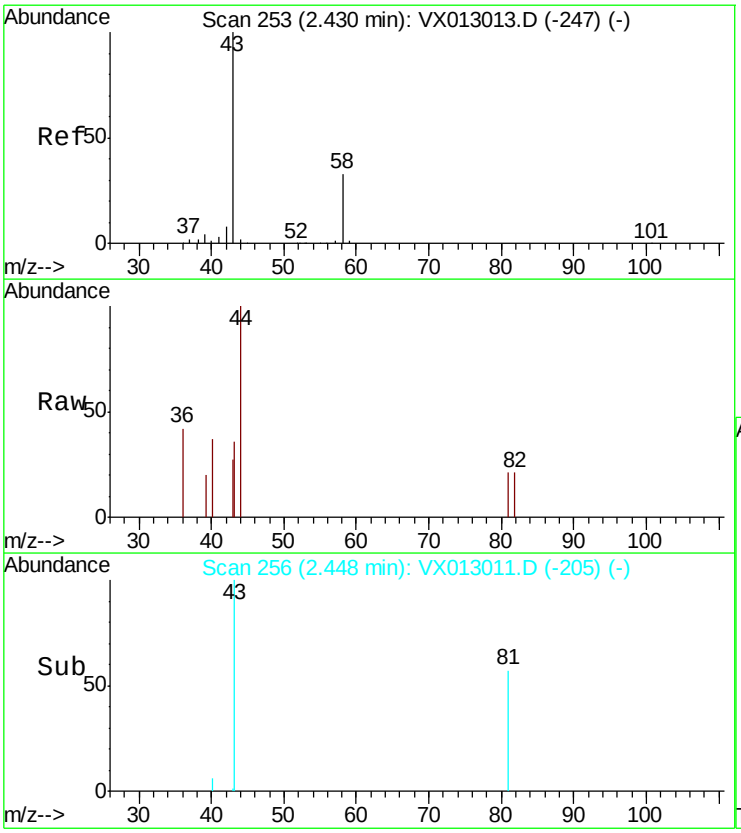

#15
Acrylonitrile
Concen: 0.265 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.00 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :** MSVOA_X
**ClientSampleId :** VX1011WBL01

Tgt Ion: 53 Resp: 275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 37.1 | 66.2 | 99.2# |
| 51 | 0.0 | 28.2 | 42.4# |

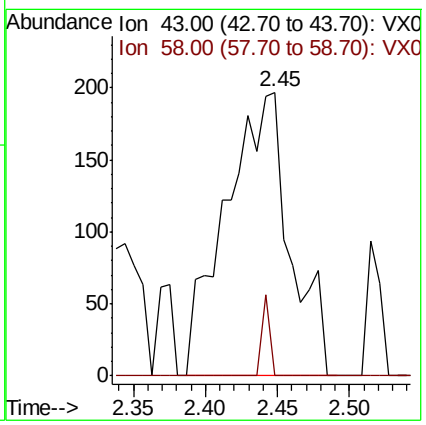


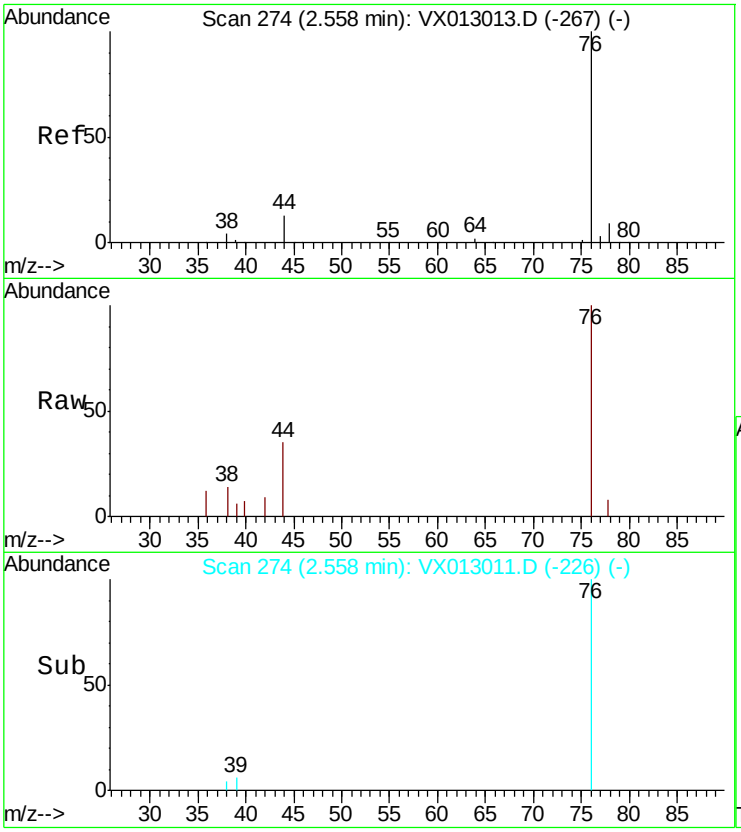




#16
Acetone
Concen: 0.562 ug/l
RT: 2.45 min Scan# 256
Delta R.T. 0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion: 43 Resp: 613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 25.4 | 38.2# |



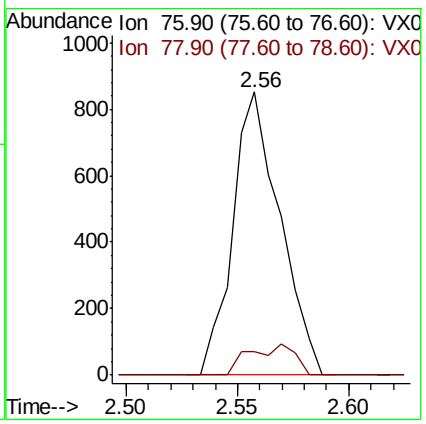


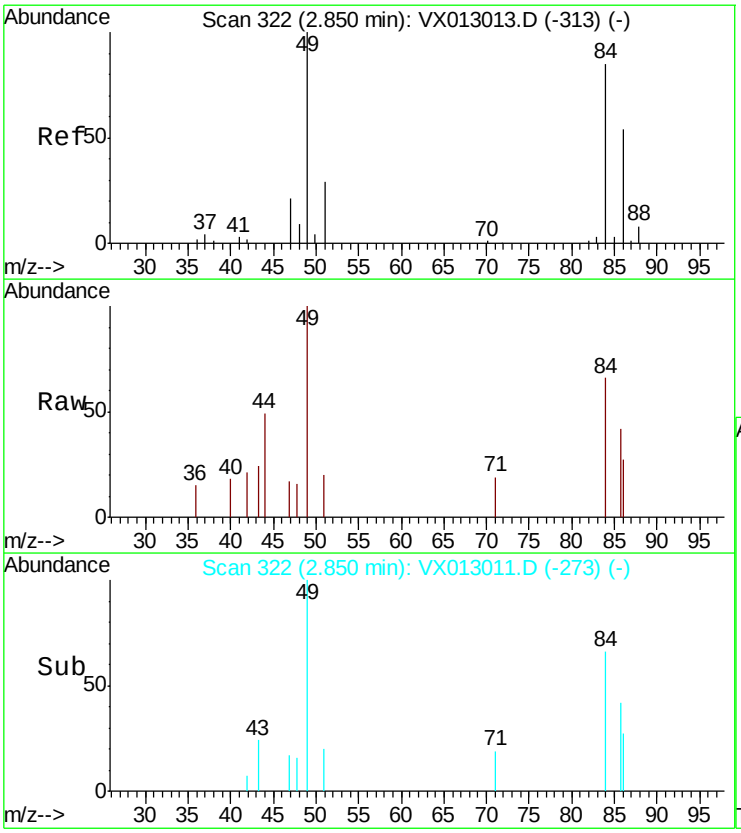

#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion: 76 Resp: 1254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.1 | 7.1 | 10.7 |

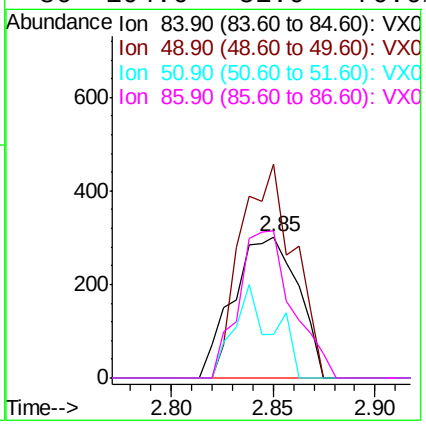


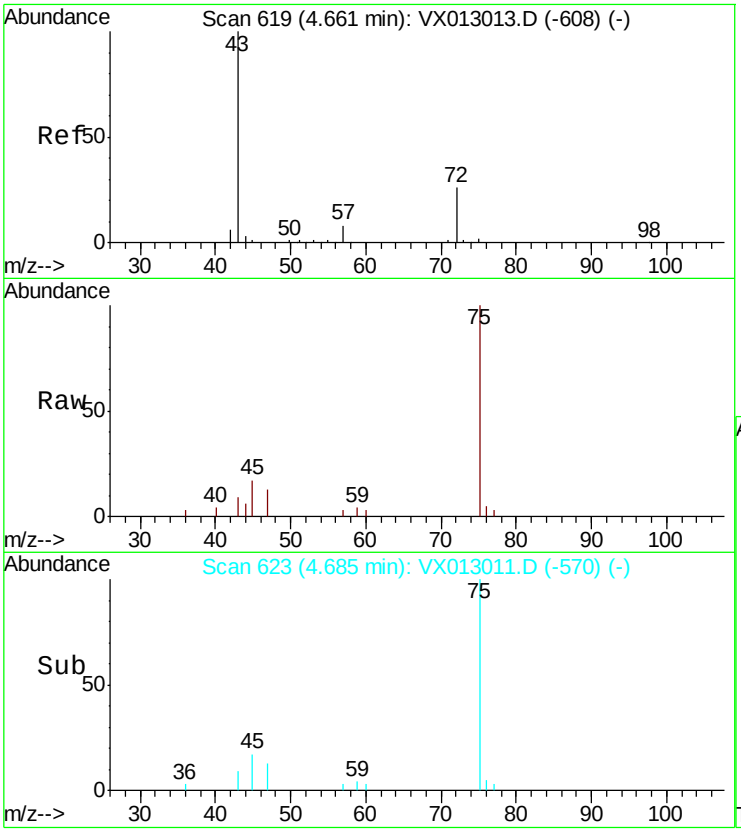




#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion: 84 Resp: 666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 151.3 | 96.6 | 144.8# |
| 51 | 30.5 | 30.7 | 46.1# |
| 86 | 104.6 | 51.0 | 76.6# |



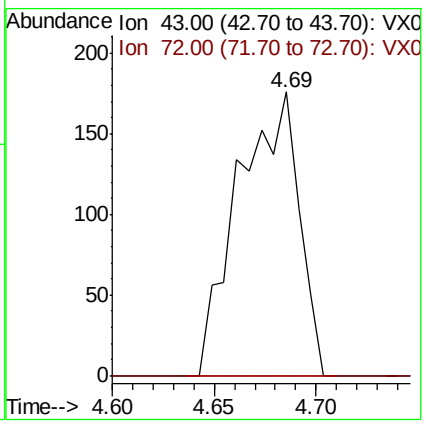


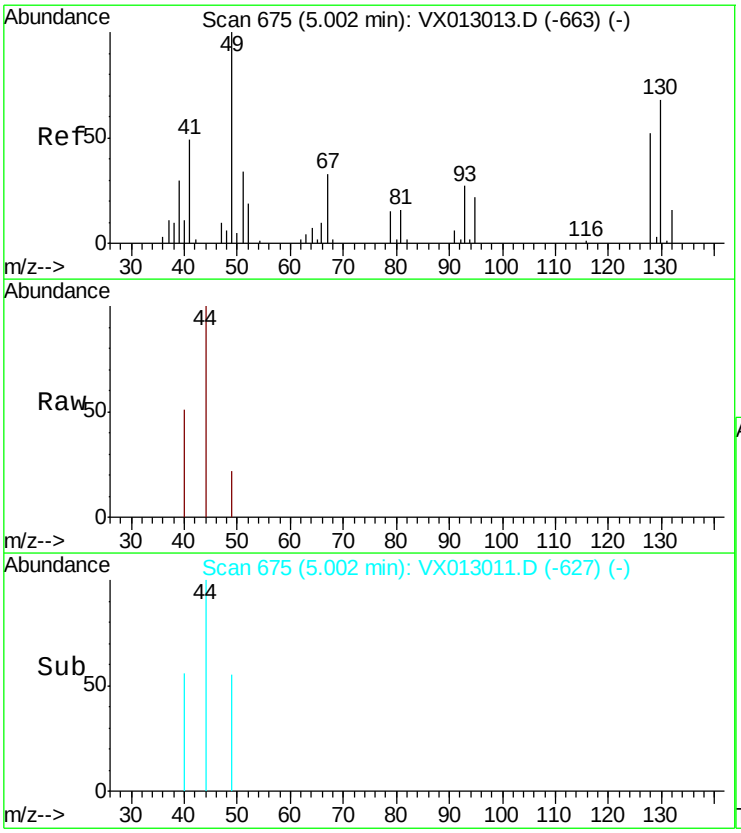

#25
2-Butanone
Concen: 0.241 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion: 43 Resp: 364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 21.0 | 31.6# |

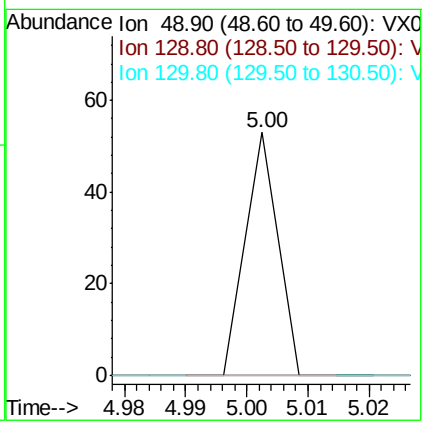


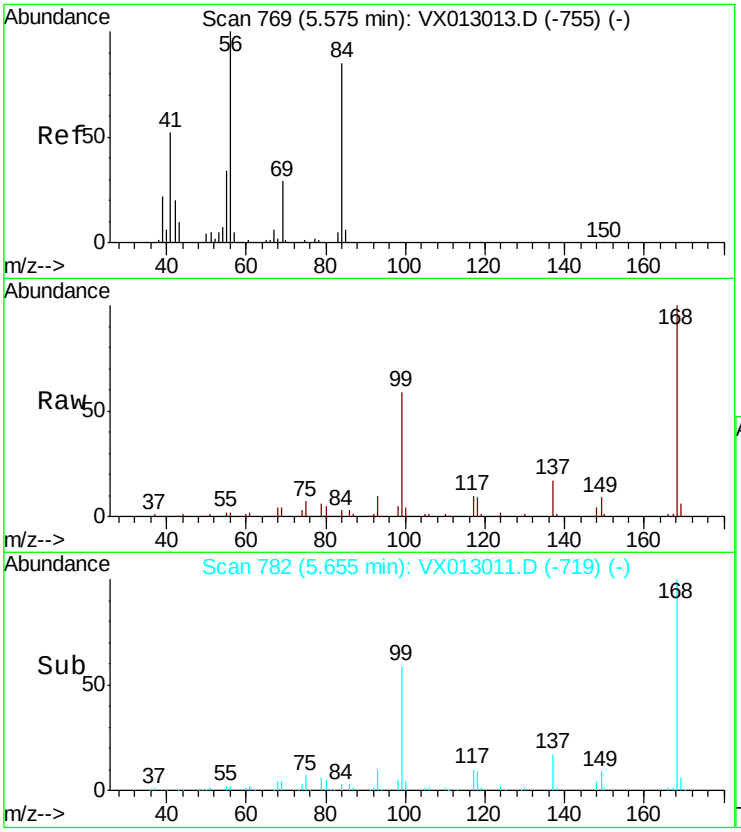




#28
Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion: 49 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.2 |
| 130 | 0.0 | 62.1 | 93.1# |



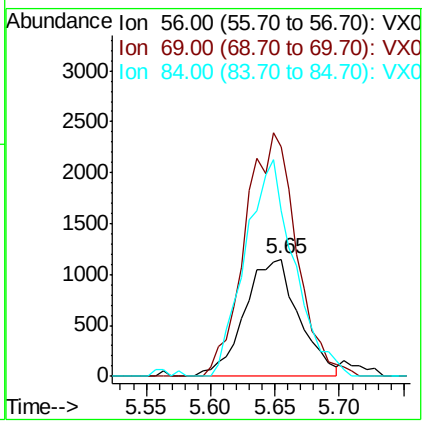


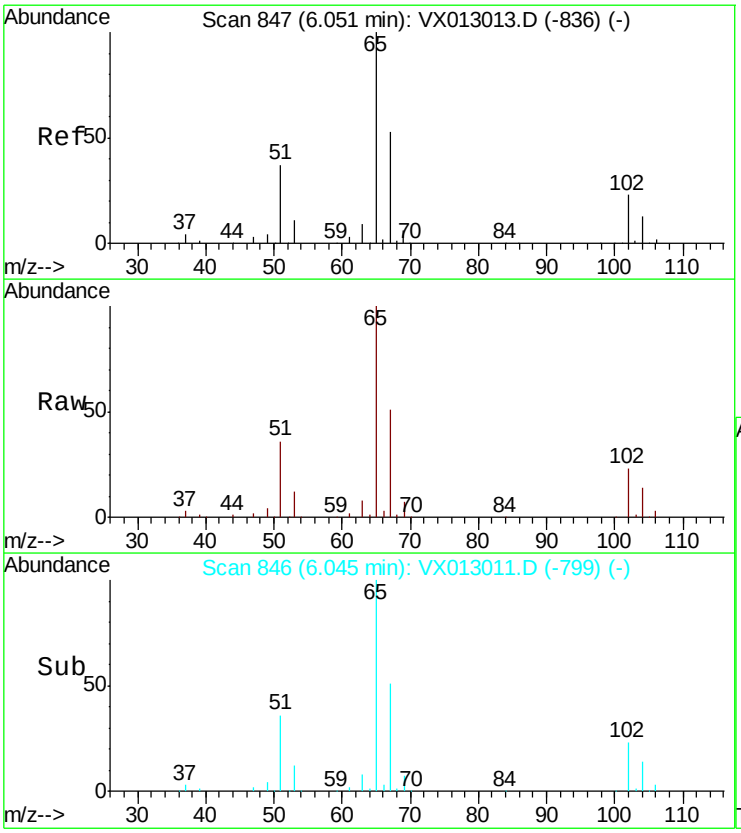

#31
Cyclohexane
Concen: 1.115 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :** MSVOA_X
**ClientSampleId :** VX1011WBL01

Tgt Ion: 56 Resp: 3348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 195.7 | 25.2 | 37.8# |
| 84 | 140.9 | 71.3 | 106.9# |

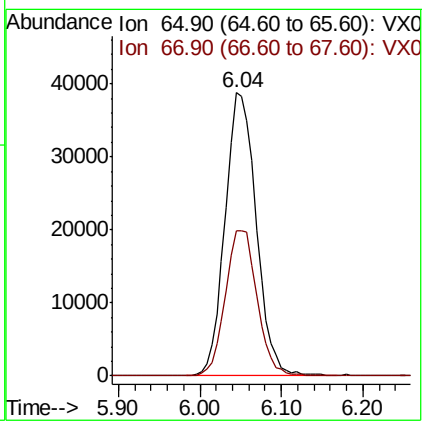


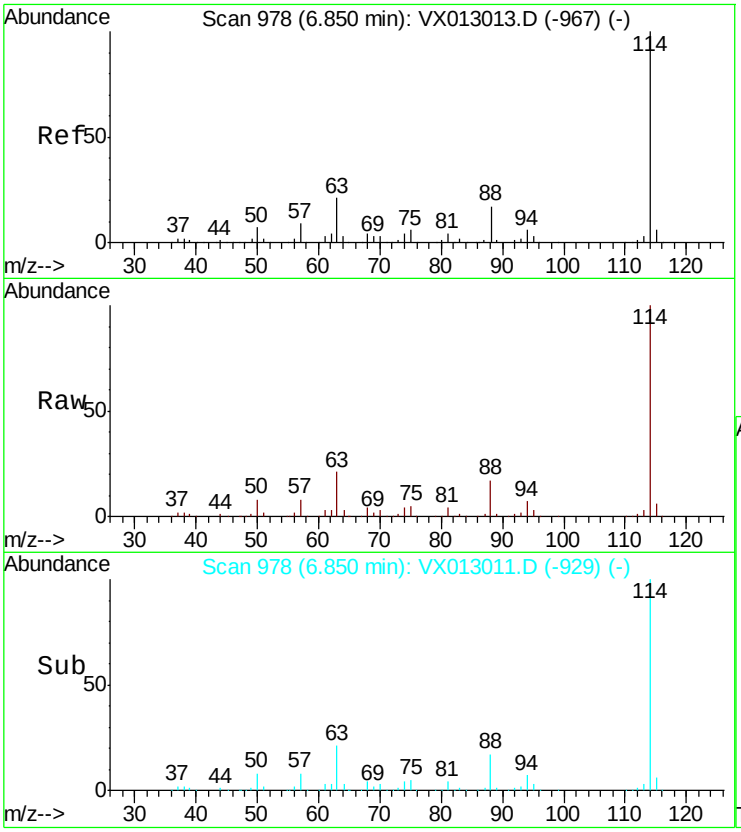




#33
1,2-Dichloroethane-d4
Concen: 49.502 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion: 65 Resp: 102392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 104.4 |



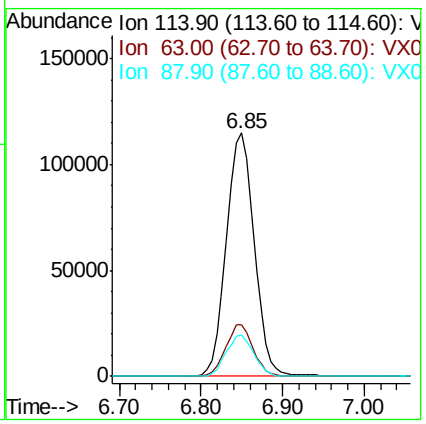


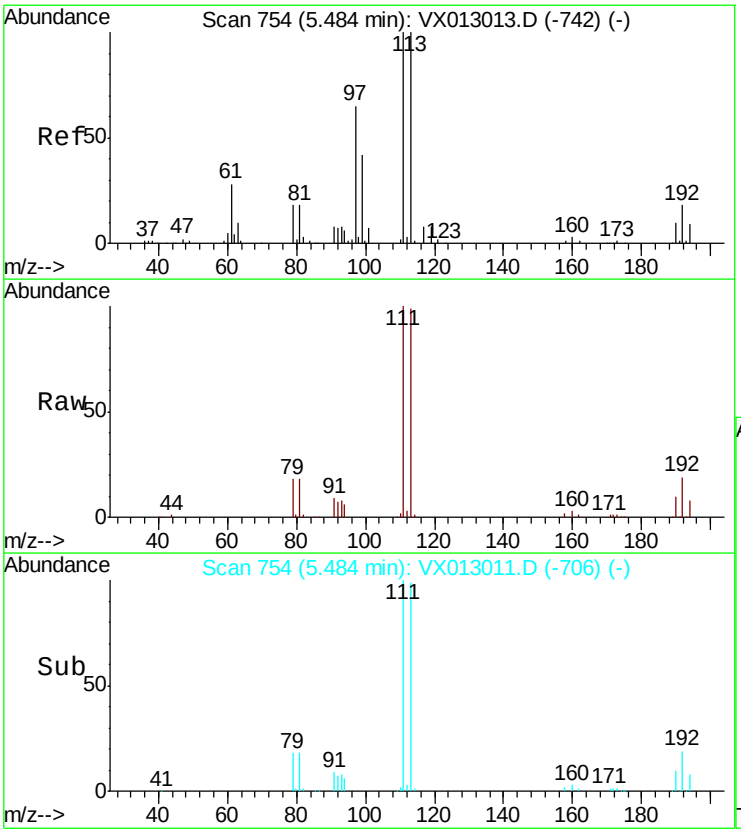

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion:114 Resp: 271478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 40.8 |
| 88 | 17.1 | 0.0 | 33.8 |

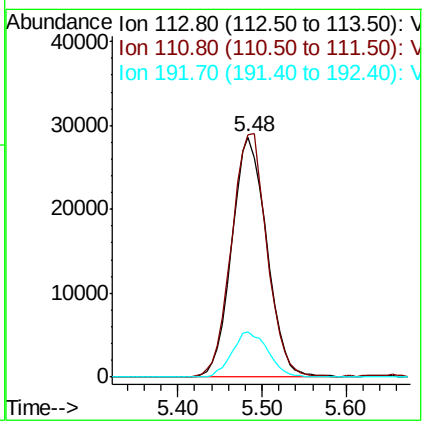


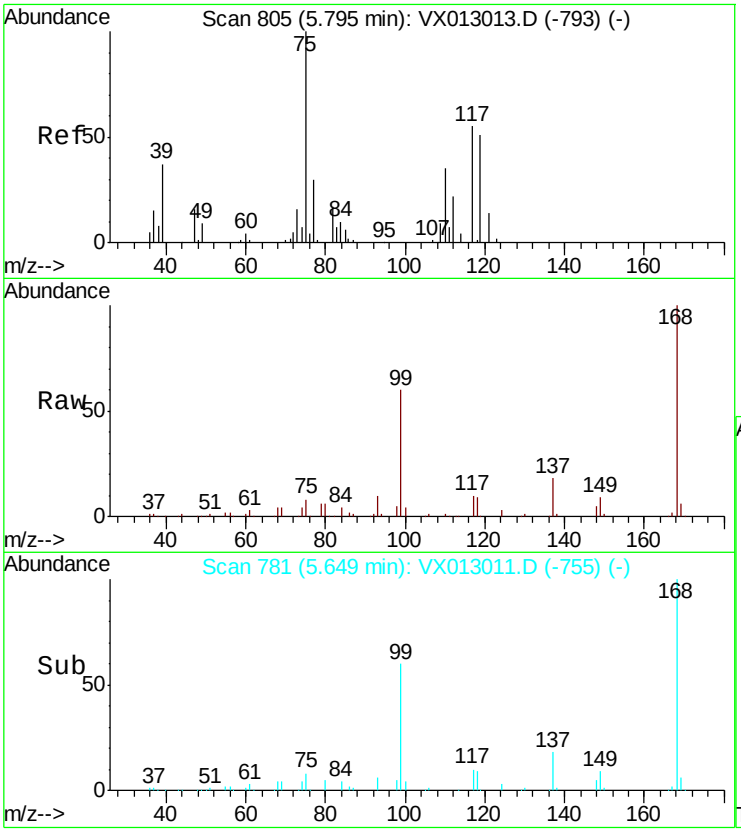




#35
Dibromofluoromethane
Concen: 51.674 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:113 Resp: 80516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 83.2 | 124.8 |
| 192 | 19.4 | 15.4 | 23.2 |



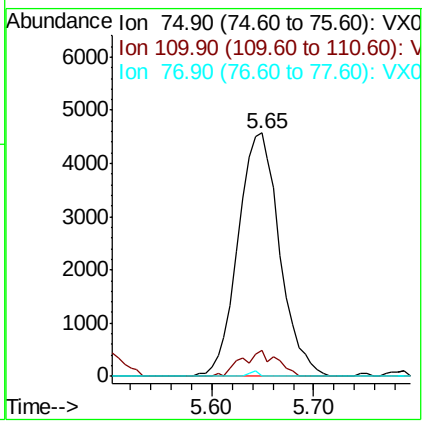


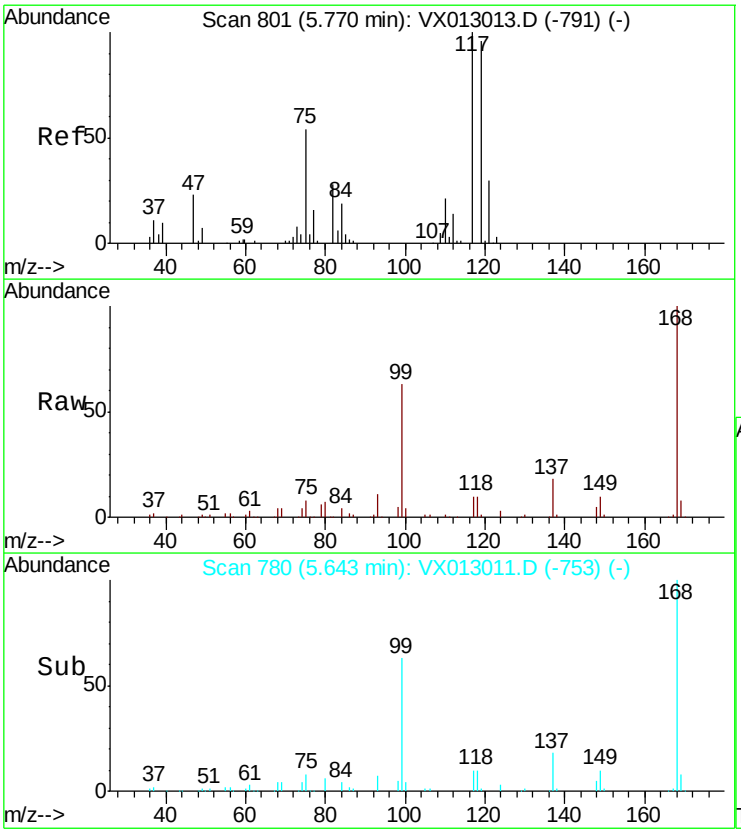

#36
1,1-Dichloropropene
Concen: 5.427 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion: 75 Resp: 12954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.0 | 17.6 | 52.9# |
| 77 | 0.5 | 24.4 | 36.6# |

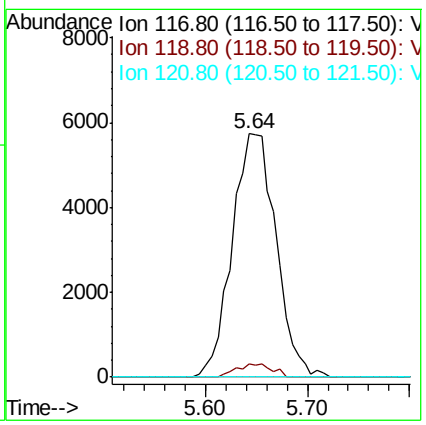


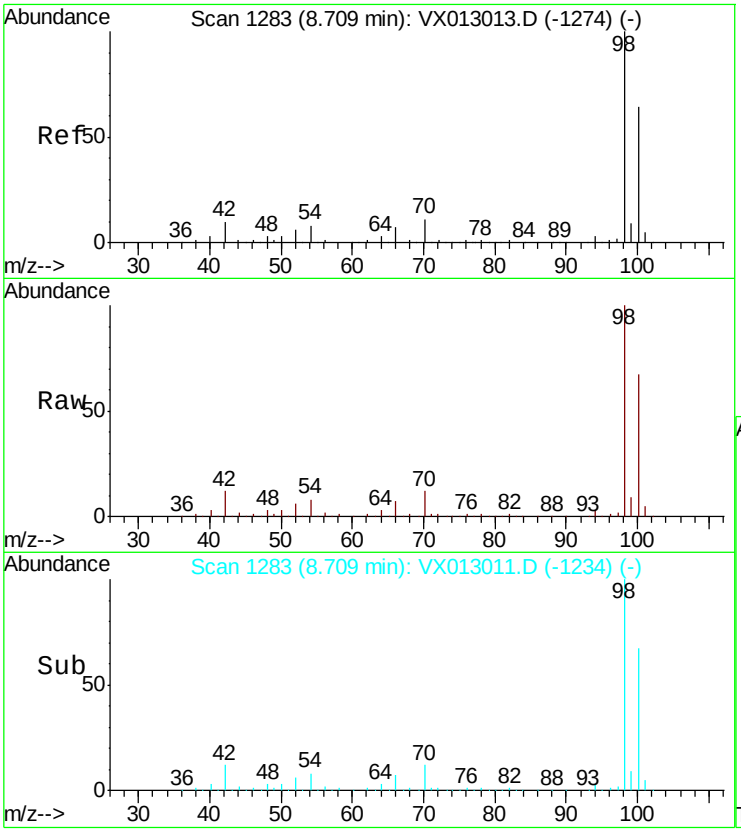




#38
Carbon Tetrachloride
Concen: 7.373 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:117 Resp: 17130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.3 | 74.5 | 111.7# |
| 121 | 0.0 | 24.2 | 36.4# |



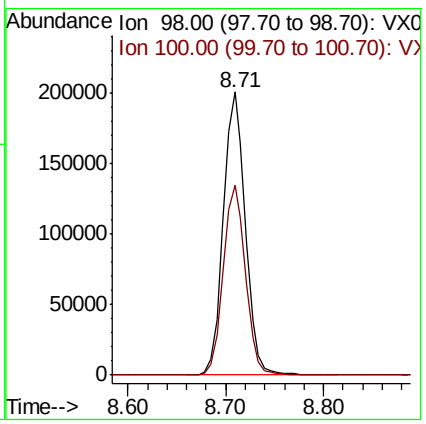


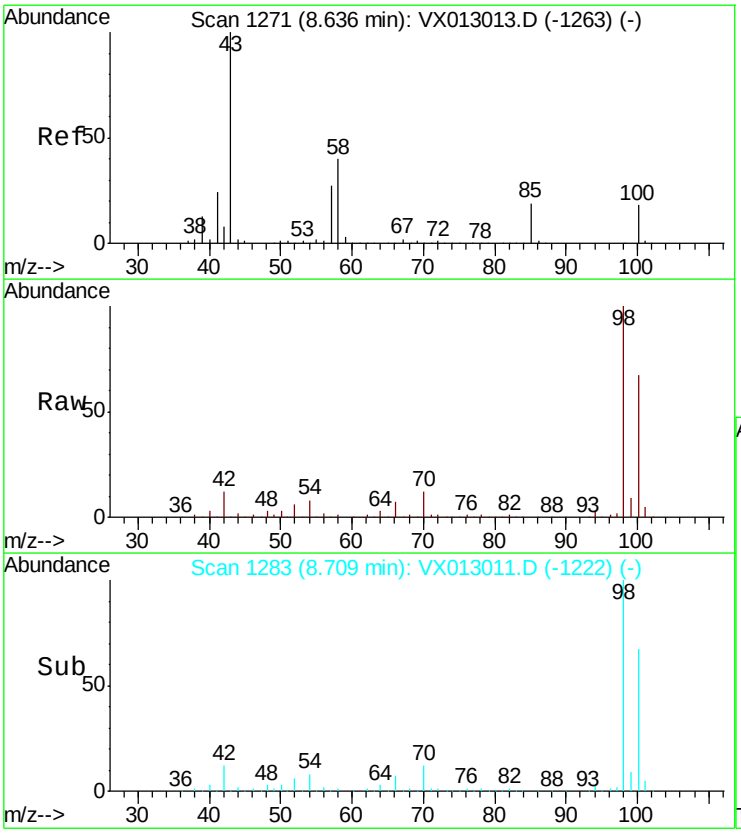

#50
Toluene-d8
Concen: 51.537 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion: 98 Resp: 313198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.9 | 53.4 | 80.2 |

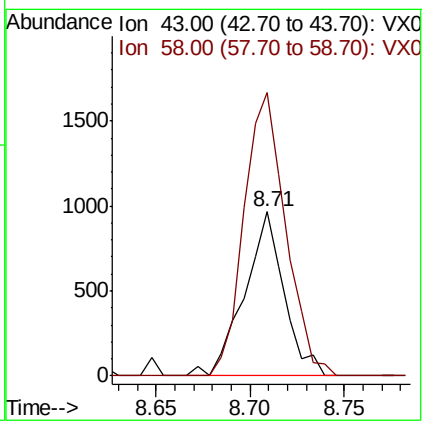


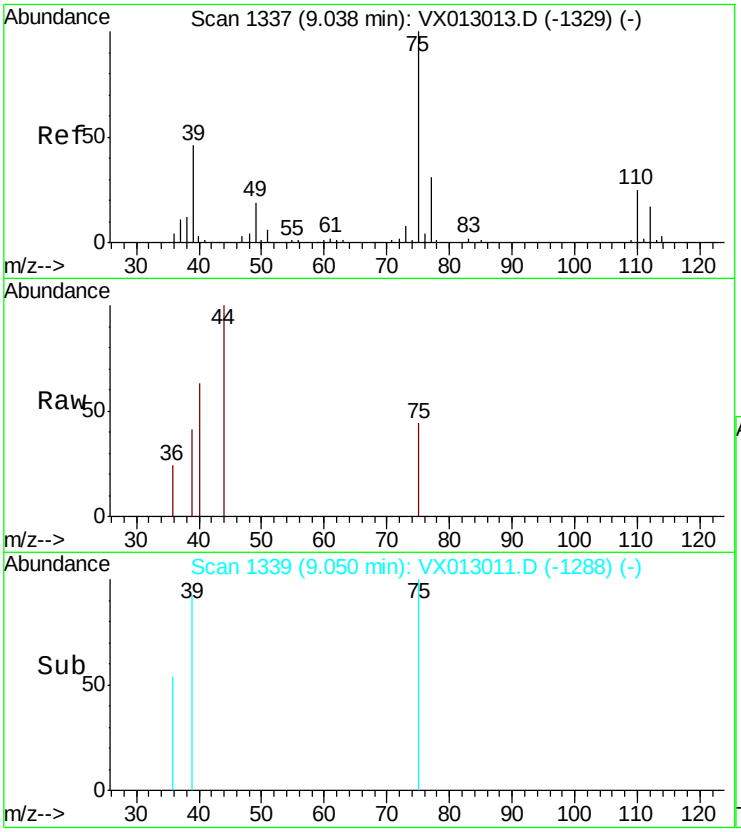




#51
4-Methyl-2-Pentanone
Concen: 0.525 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion: 43 Resp: 1401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 181.8 | 32.4 | 48.6# |



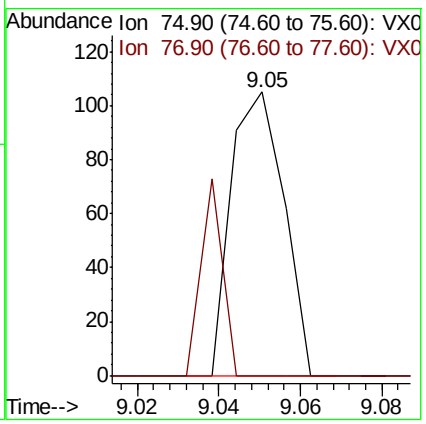


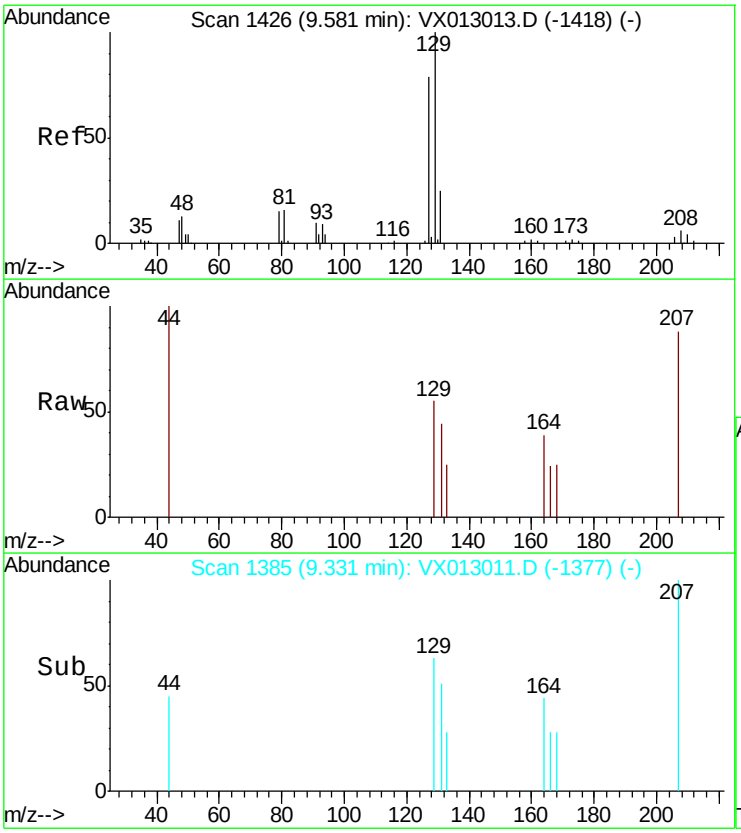

#53
t-1,3-Dichloropropene
Concen: 2.200 ug/l
RT: 9.05 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion: 75 Resp: 94

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.8 | 38.6# |

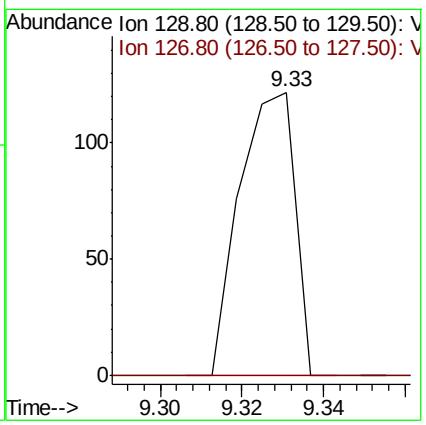


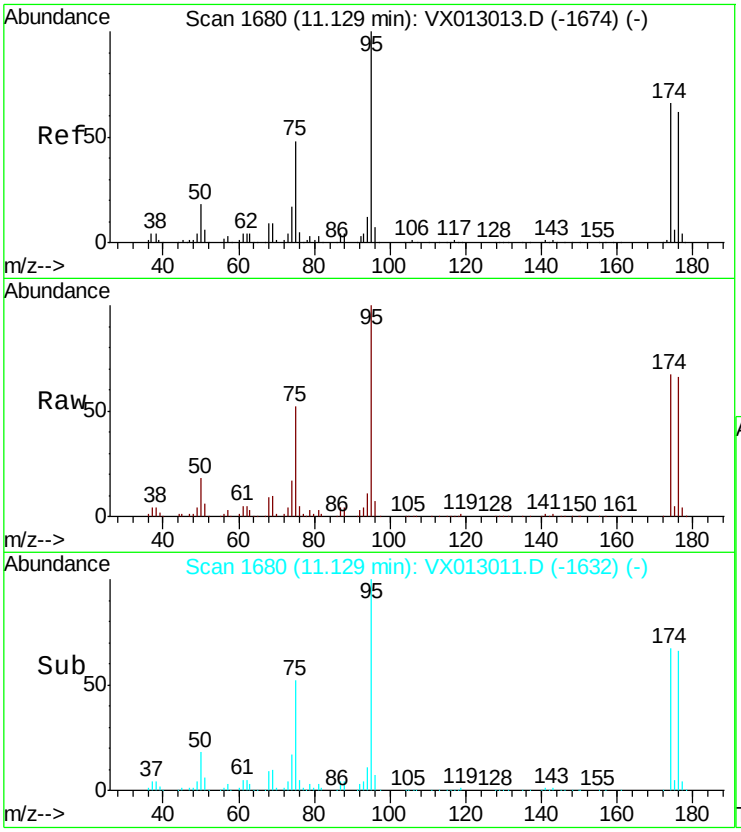




#60
Dibromochloromethane
Concen: 1.913 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:129 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 38.9 | 116.7# |



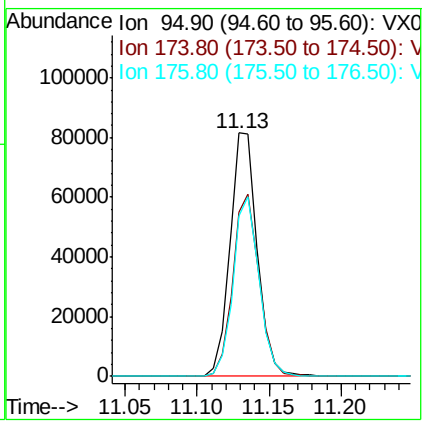


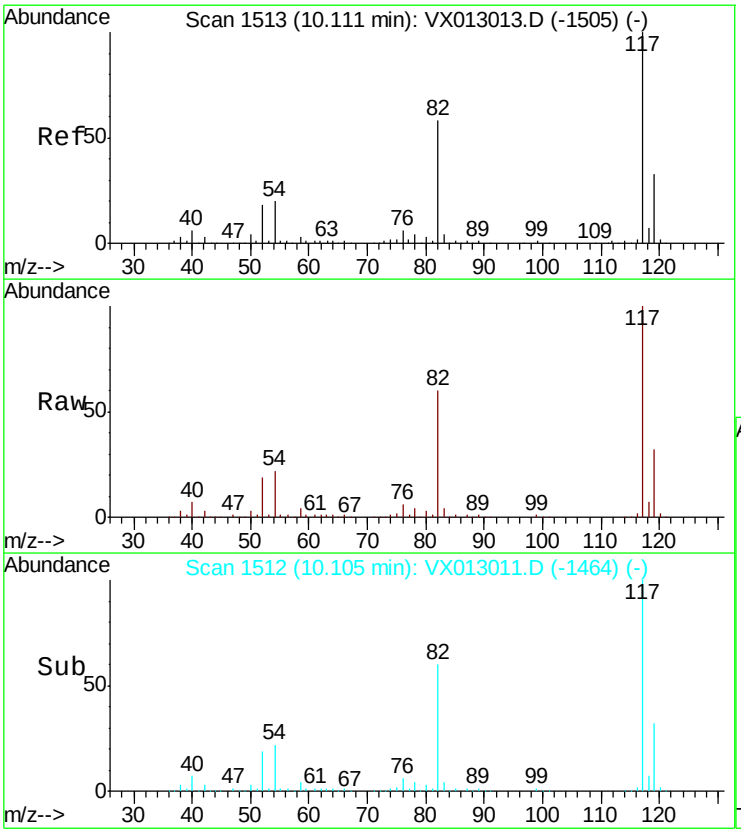

#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion: 95 Resp: 108258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.2 | 0.0 | 143.4 |
| 176 | 70.0 | 0.0 | 136.0 |

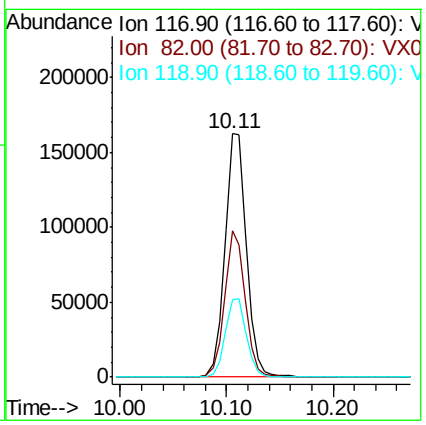


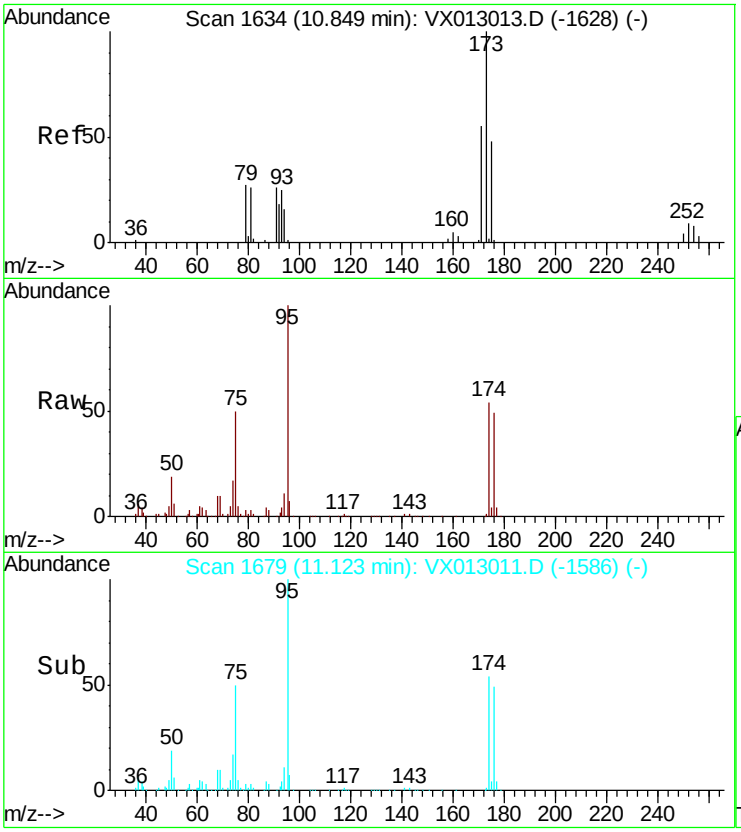




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:117 Resp: 230338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.9 | 44.1 | 66.1 |
| 119 | 32.0 | 25.8 | 38.8 |



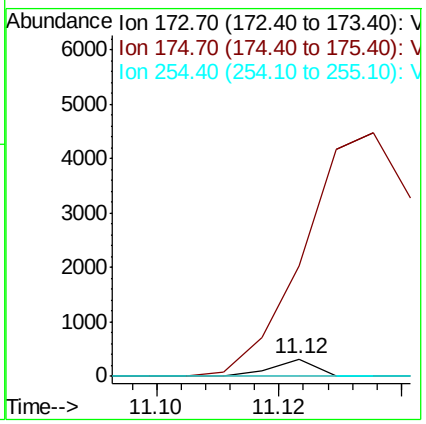


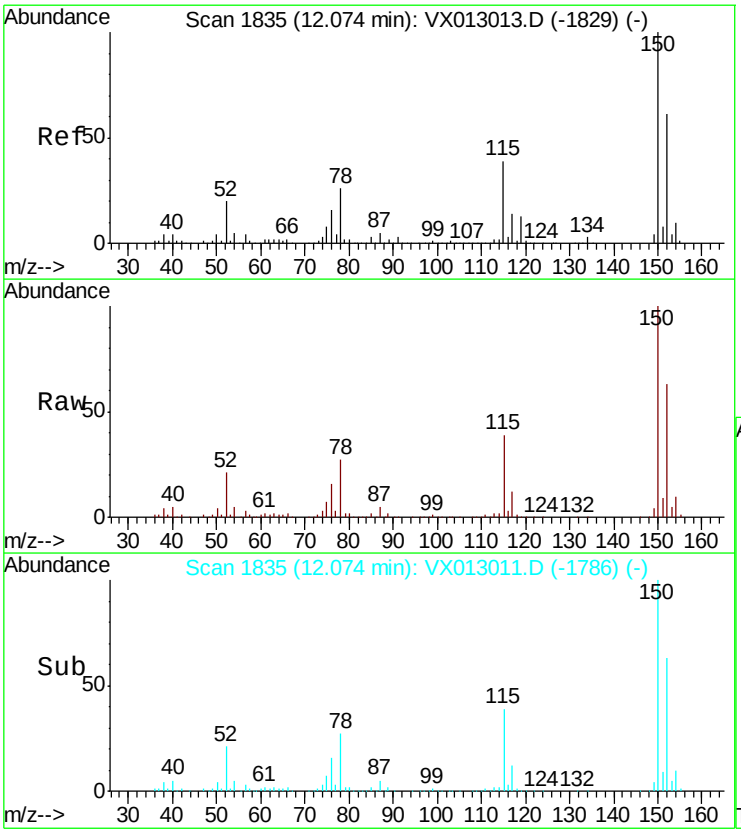

#71
Bromoform
Concen: 3.239 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.27 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :** MSVOA_X
**ClientSampleId :** VX1011WBL01

Tgt Ion:173 Resp: 153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 24.1 | 72.3# |
| 254 | 0.0 | 0.1 | 0.1# |

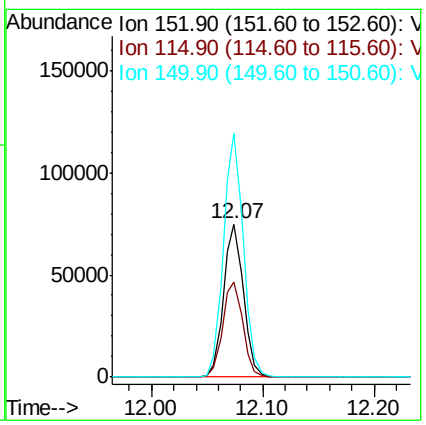


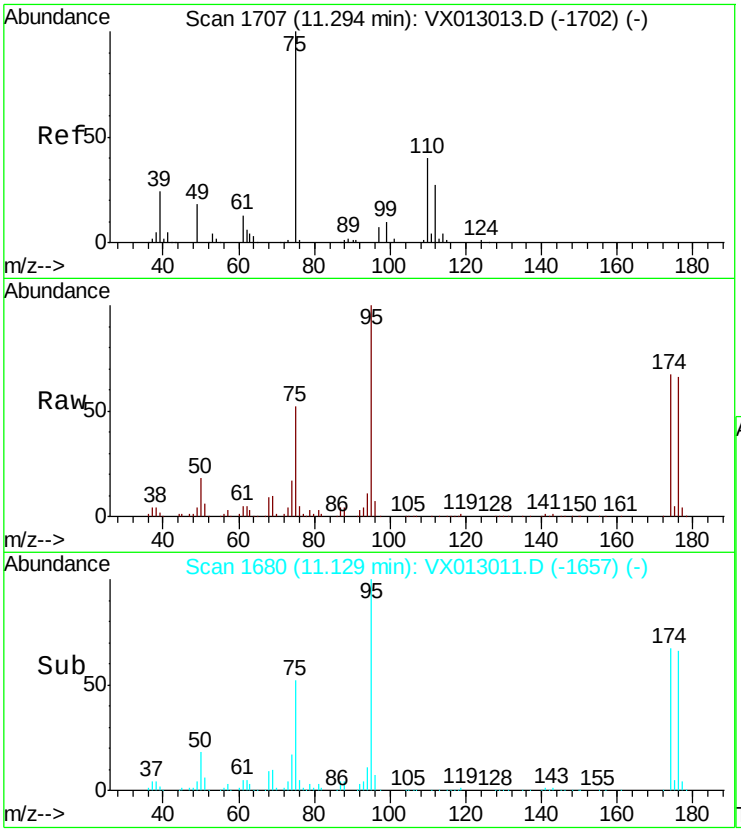




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:152 Resp: 92190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.6 | 44.5 | 133.5 |
| 150 | 158.3 | 0.0 | 353.4 |



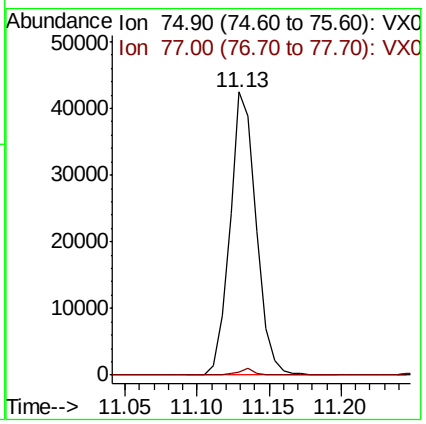


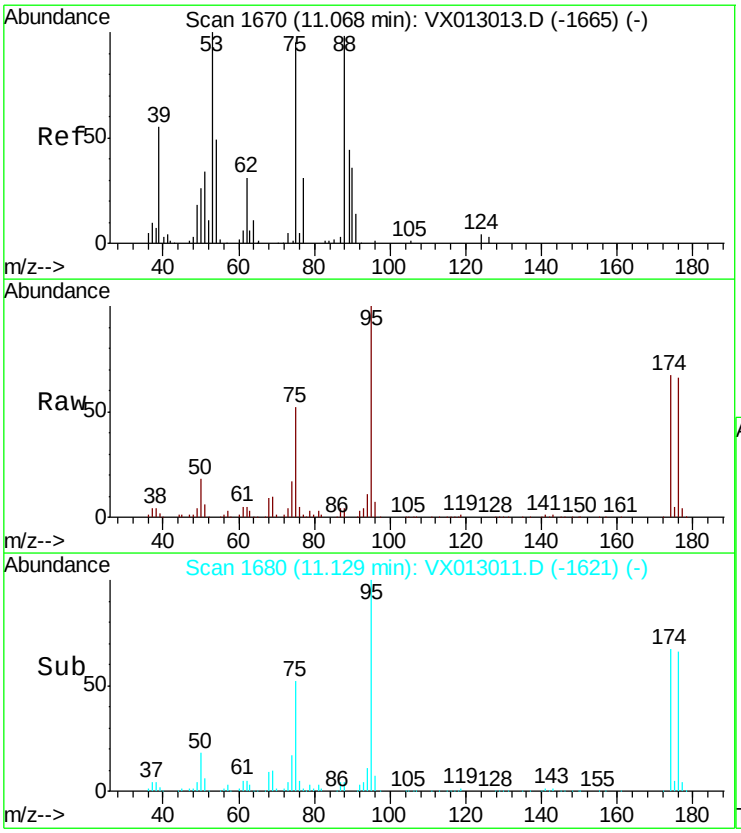

#76
1,2,3-Trichloropropane
Concen: 26.546 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1011WBL01

Tgt Ion: 75 Resp: 54281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 22.9 | 68.8# |

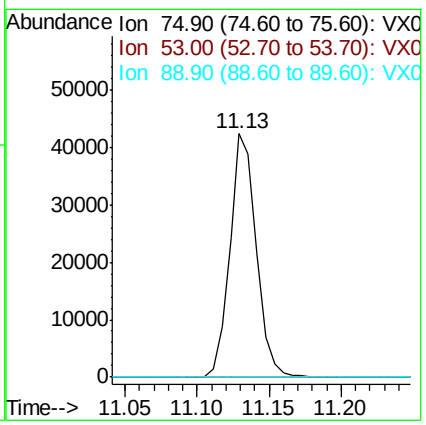


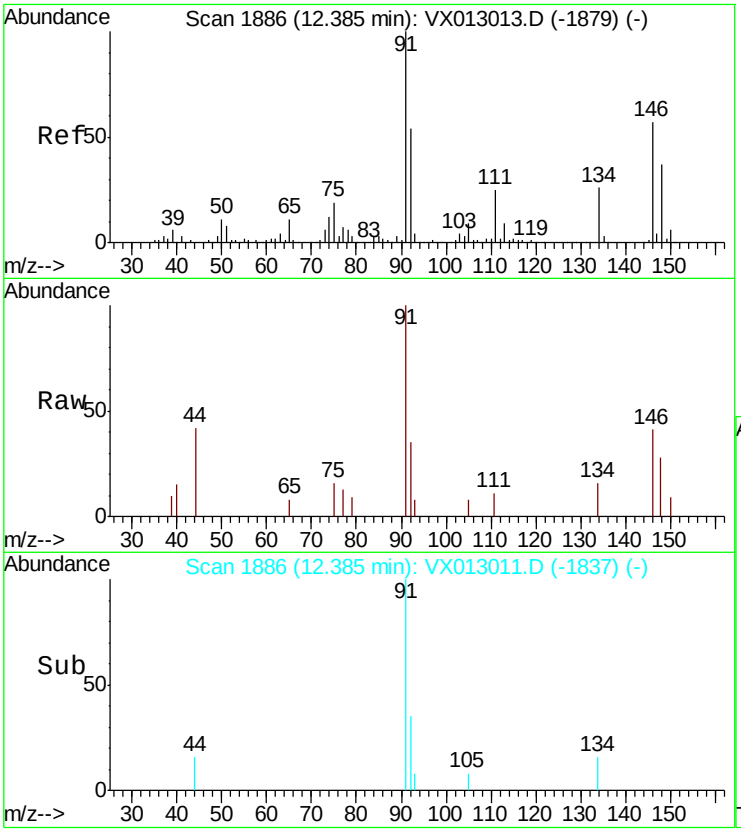




#81
trans-1,4-Dichloro-2-butene
Concen: 66.772 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion: 75 Resp: 54281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 78.5 | 117.7# |
| 89 | 0.0 | 37.4 | 56.2# |



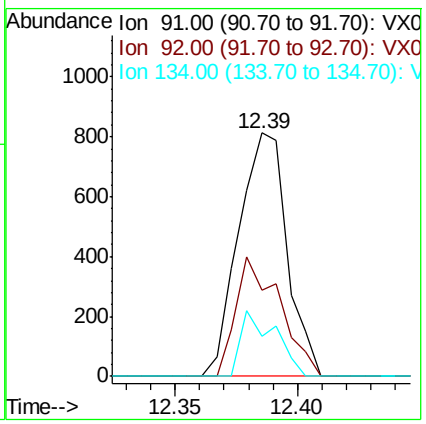


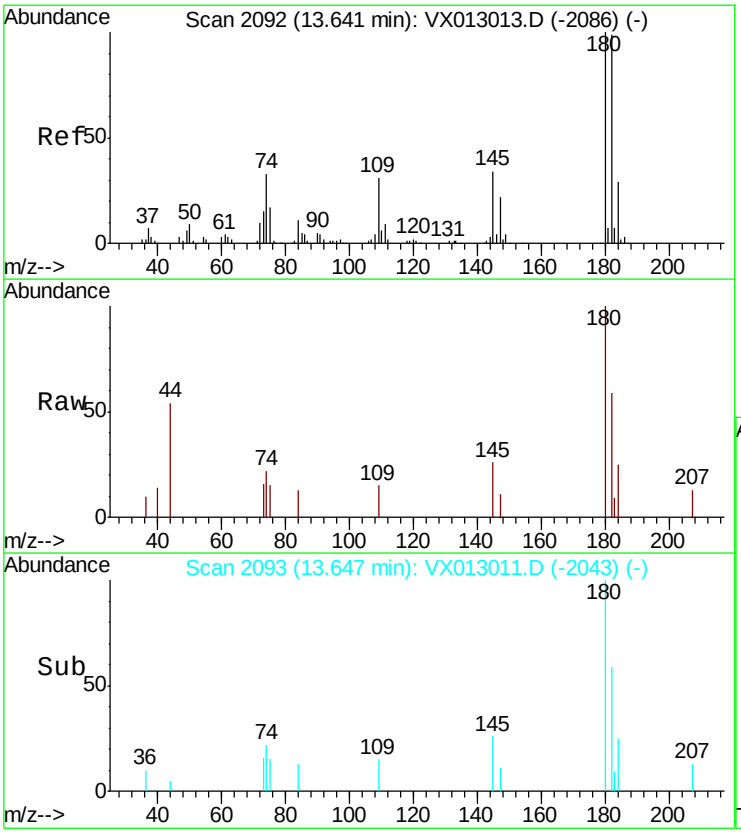

#89
n-Butylbenzene
Concen: 0.225 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :** MSVOA_X
**ClientSampleId :** VX1011WBL01

Tgt Ion: 91 Resp: 1121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 44.3 | 27.5 | 82.5 |
| 134 | 19.0 | 12.9 | 38.7 |

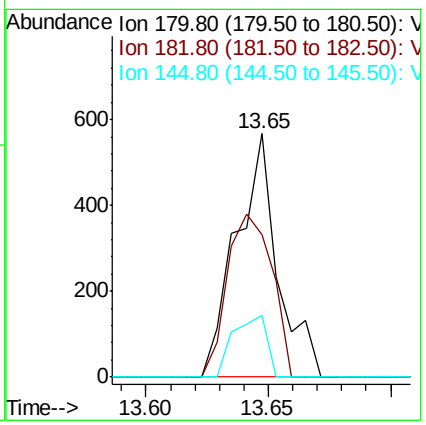


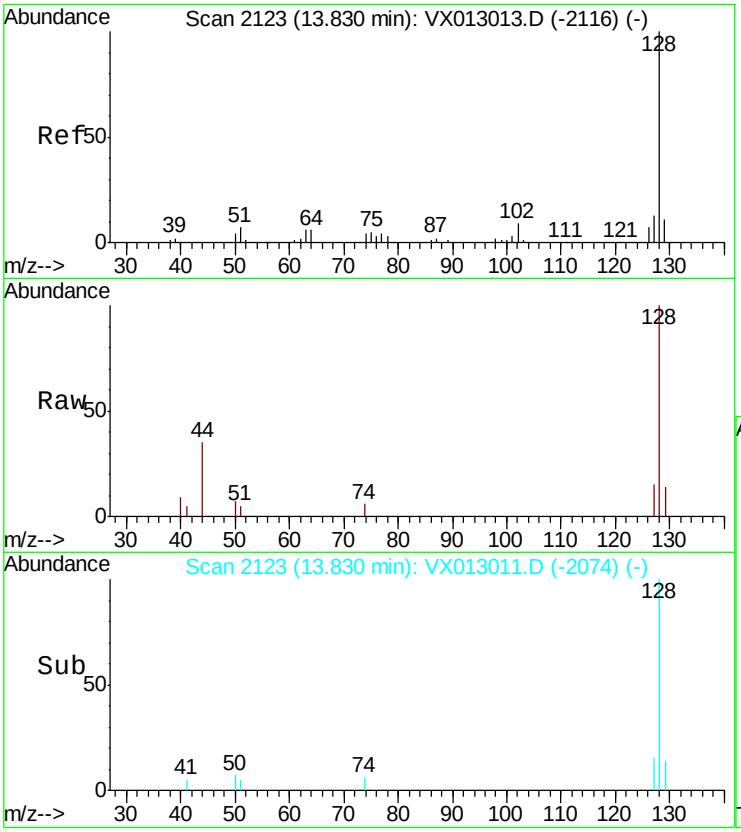




#93
1,2,4-Trichlorobenzene
Concen: 0.368 ug/l
RT: 13.65 min Scan# 2093
Delta R.T. 0.01 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:180 Resp: 671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 72.1 | 46.8 | 140.4 |
| 145 | 20.4 | 16.2 | 48.6 |



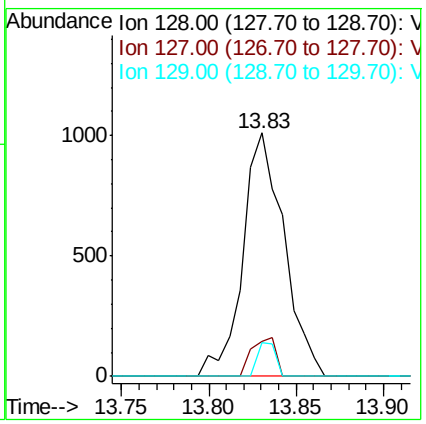


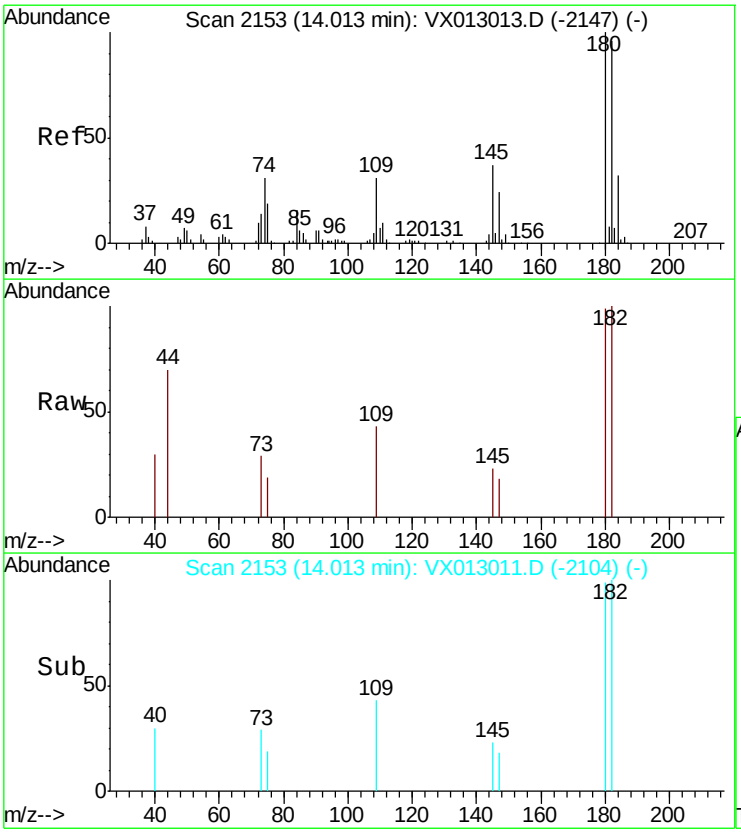

#95
Naphthalene
Concen: 0.263 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

**Instrument :** MSVOA_X
**ClientSampleId :** VX1011WBL01

Tgt Ion:128 Resp: 1660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 9.4 | 10.2 | 15.4# |
| 129 | 6.0 | 8.8 | 13.2# |




#96
1,2,3-Trichlorobenzene
Concen: 0.300 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013011.D
Acq: 11 Oct 2019 13:09

Tgt Ion:180 Resp: 564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 83.2 | 47.5 | 142.5 |
| 145 | 31.7 | 17.4 | 52.3 |