Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121719\
Data File : VX014054.D
Acq On : 17 Dec 2019 16:12
Operator : JC/SP
Sample : K6251-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** RE108D1-20191206

Quant Time: Dec 18 07:13:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 585738 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 899722 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 799703 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 333219 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 327881 | 49.39 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 98.78% | | | |
| 35) Dibromofluoromethane | 5.48 | 113 | 269633 | 49.30 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 98.60% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 1068482 | 50.18 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 100.36% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 348119 | 44.72 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 89.44% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 1458 | 0.277 | ug/l | | 83 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 2427 | 0.438 | ug/l | | 93 |
| 10) Methyl Iodide | 2.51 | 142 | 1948 | 2.874 | ug/l | # | 78 |
| 11) Tert butyl alcohol | 3.02 | 59 | 2042 | 1.424 | ug/l | # | 6 |
| 13) Acrolein | 2.28 | 56 | 402 | 0.490 | ug/l | | 89 |
| 16) Acetone | 2.43 | 43 | 9923 | 2.302 | ug/l | | 91 |
| 17) Carbon Disulfide | 2.56 | 76 | 3582 | 0.976 | ug/l | # | 94 |
| 20) Methylene Chloride | 2.86 | 84 | 2266 | 0.334 | ug/l | # | 29 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 2061 | 0.294 | ug/l | | 67 |
| 28) Bromochloromethane | 5.01 | 49 | 725 | 0.621 | ug/l | # | 46 |
| 29) Tetrahydrofuran | 5.12 | 42 | 734 | 0.247 | ug/l | | 88 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 40163 | 4.865 | ug/l | # | 52 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 52403 | 6.968 | ug/l | # | 17 |
| 44) Trichloroethene | 7.20 | 130 | 182978 | 26.080 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.75 | 88 | 2126 | 14.141 | ug/l | # | 81 |
| 55) 1,1,2-Trichloroethane | 9.22 | 97 | 1314 | 0.204 | ug/l | # | 49 |
| 64) Tetrachloroethene | 9.33 | 164 | 9286 | 1.312 | ug/l | | 95 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 171703 | 23.735 | ug/l | # | 39 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 171703 | 66.993 | ug/l | # | 12 |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75 | 504 | 0.280 | ug/l | # | 56 |
| 94) Hexachlorobutadiene | 13.78 | 225 | 726 | 0.204 | ug/l | | 74 |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180 | 1635 | 0.224 | ug/l | | 86 |

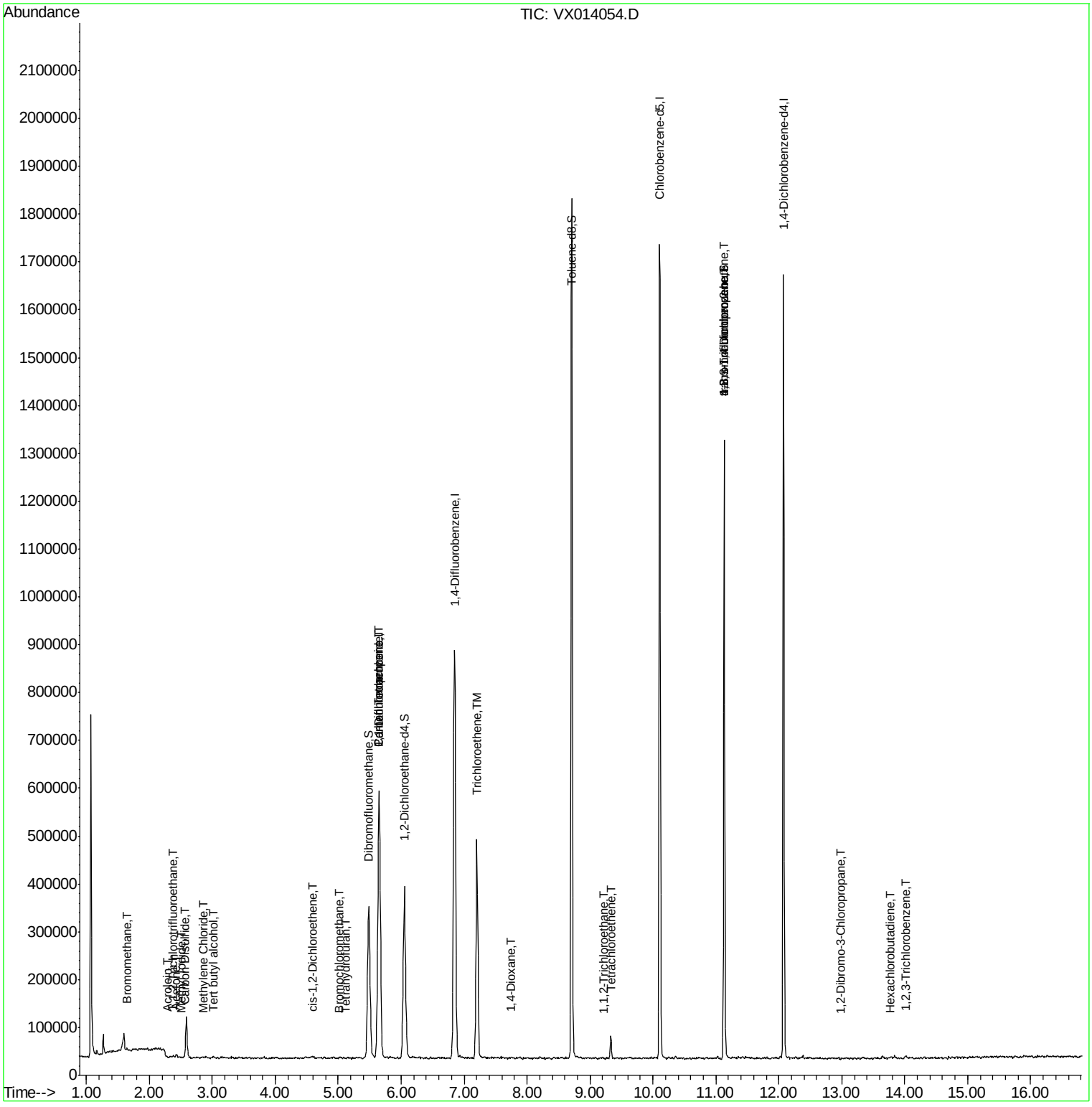
(#) = qualifier out of range (m) = manual integration (+) = signals summed

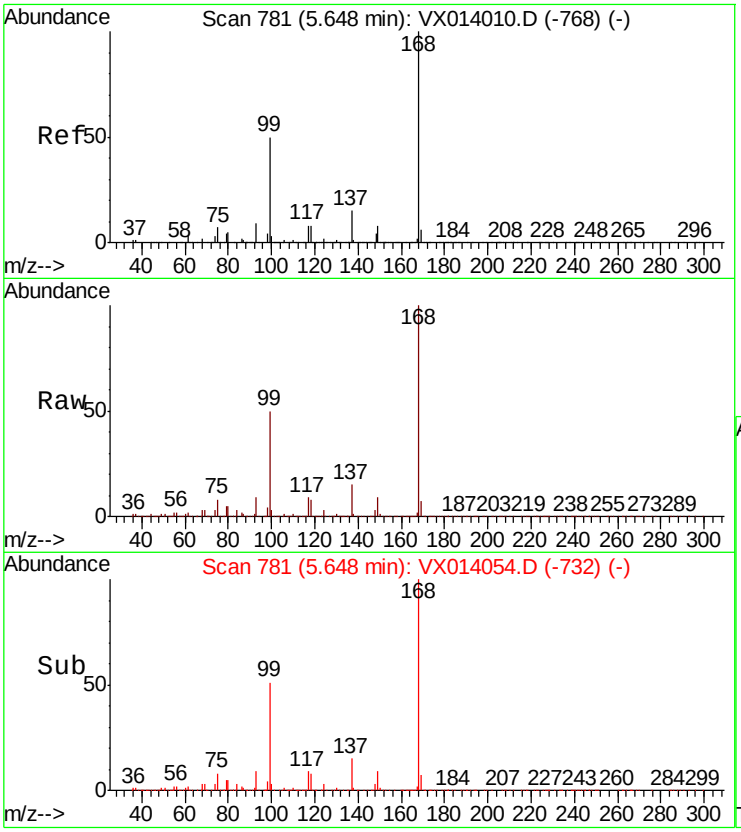
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121719\
Data File : VX014054.D
Acq On : 17 Dec 2019 16:12
Operator : JC/SP
Sample : K6251-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Quant Time: Dec 18 07:13:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

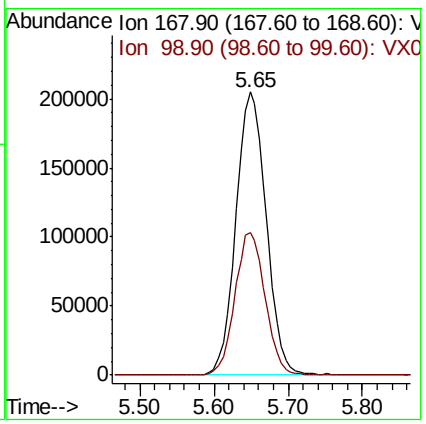




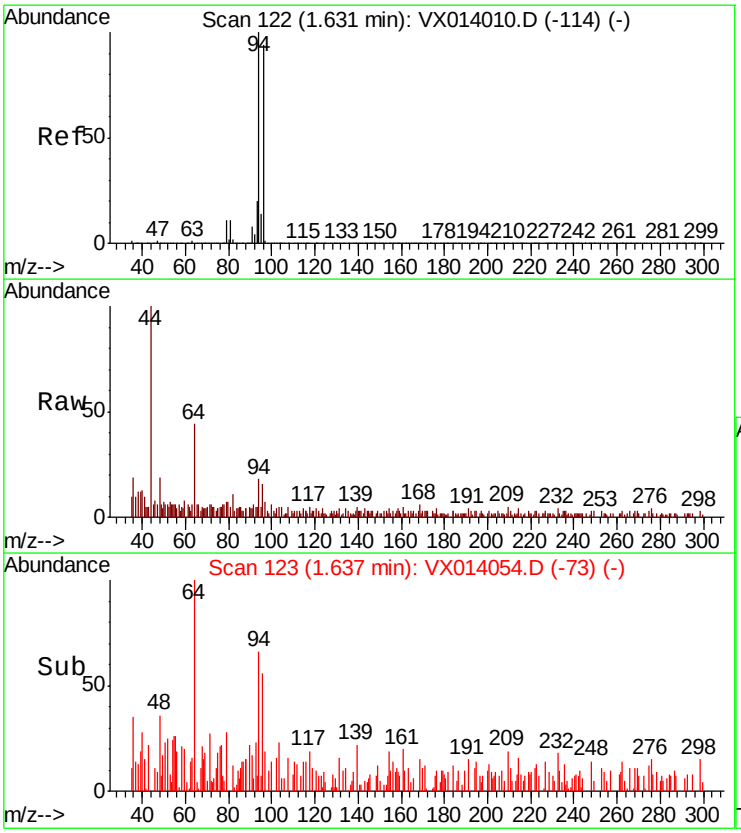

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion:168 Resp: 585738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.4 | 40.3 | 60.5 |



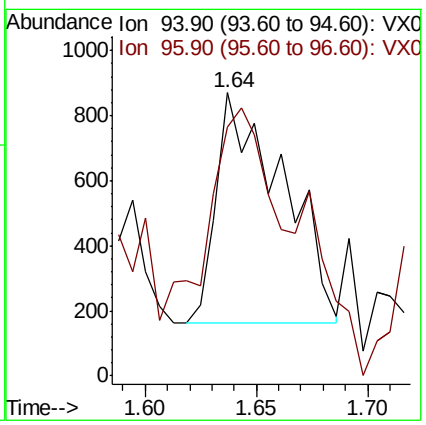

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

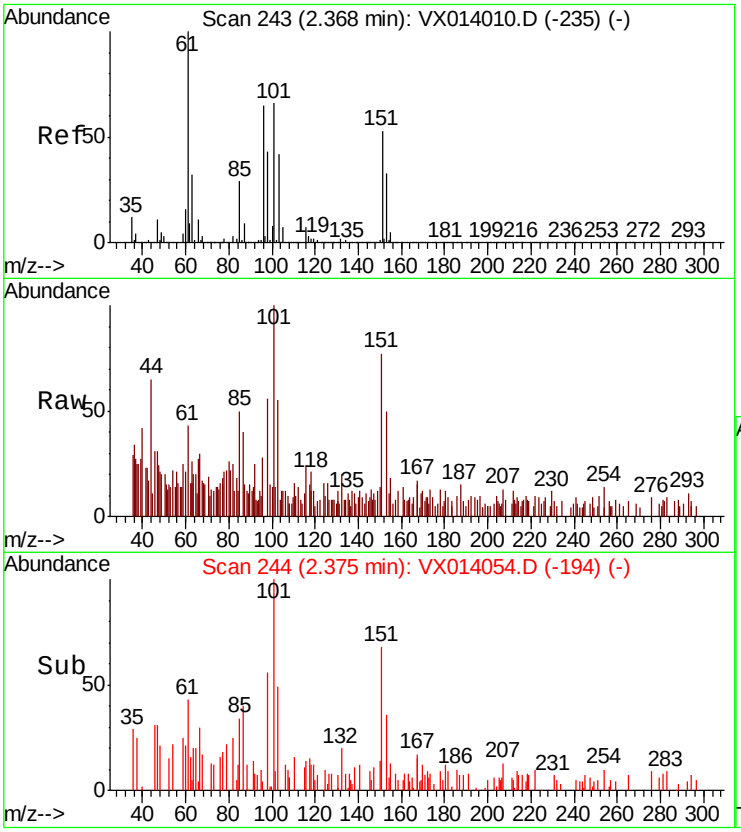



#5
Bromomethane
Concen: 0.277 ug/l
RT: 1.64 min Scan# 123
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 94 Resp: 1458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 77.4 | 75.2 | 112.8 |



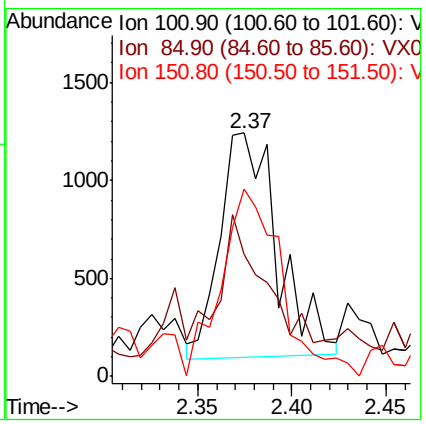


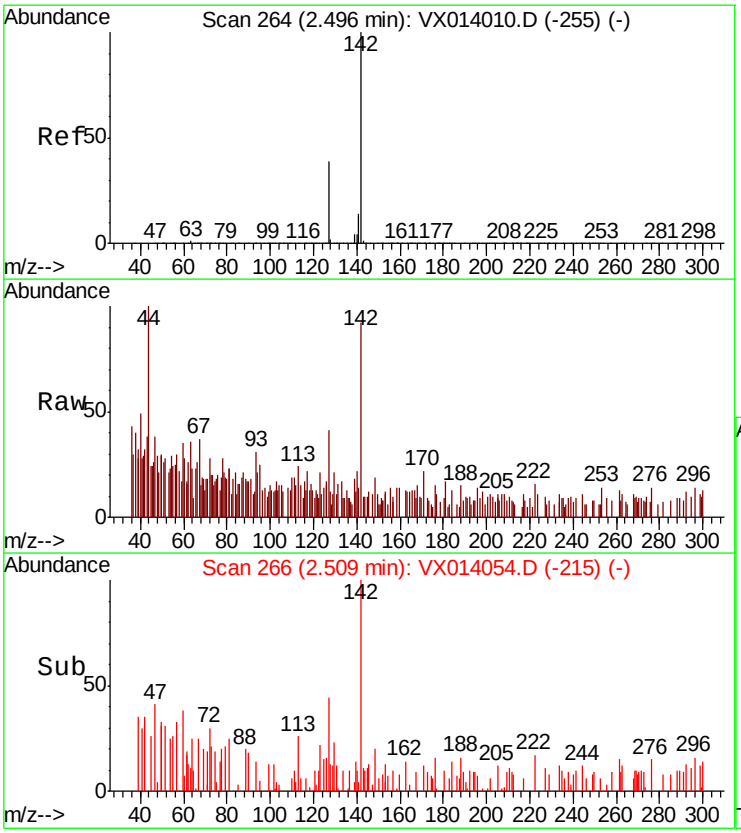

#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.438 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion:101 Resp: 2427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 37.0 | 33.7 | 50.5 |
| 151 | 86.5 | 64.5 | 96.7 |

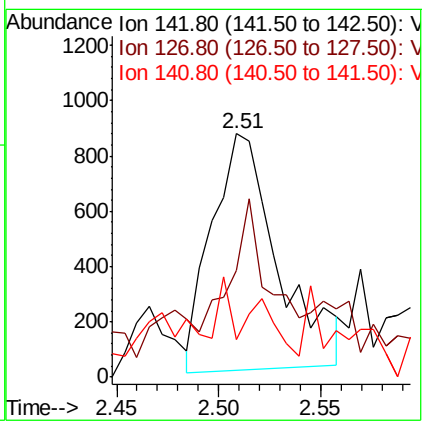


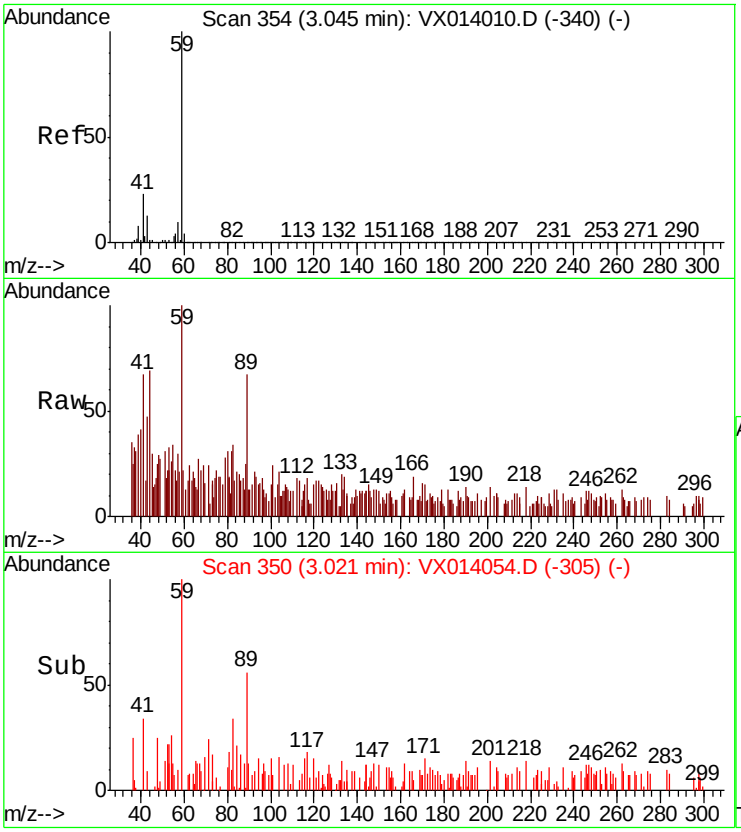




#10
Methyl Iodide
Concen: 2.874 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion:142 Resp: 1948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 27.1 | 31.6 | 47.4# |
| 141 | 4.3 | 11.6 | 17.4# |



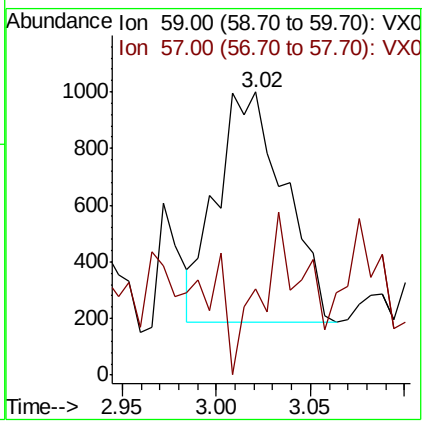


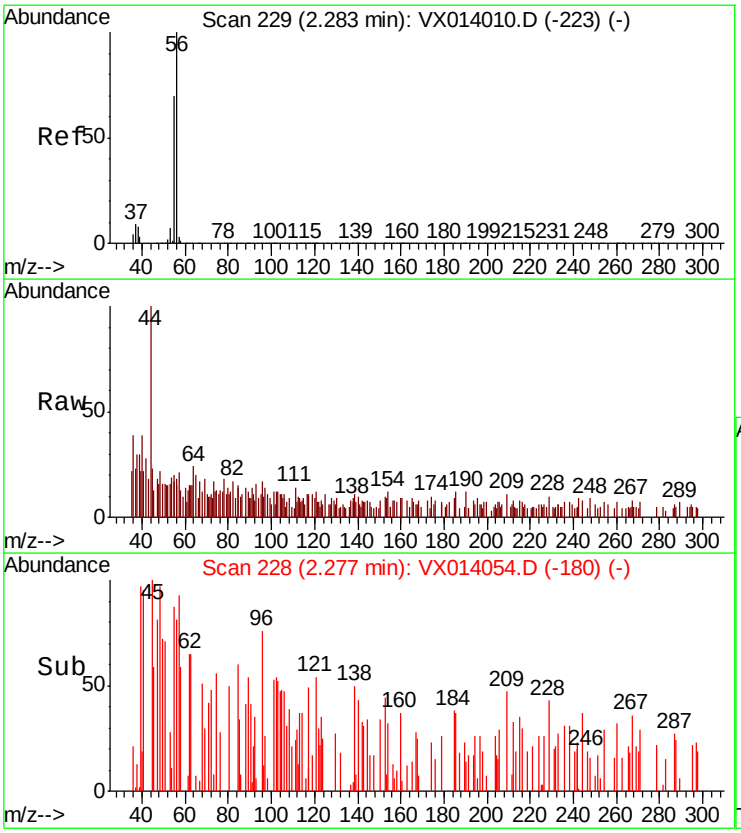

#11
Tert butyl alcohol
Concen: 1.424 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion: 59 Resp: 2042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 45.7 | 8.4 | 12.6# |

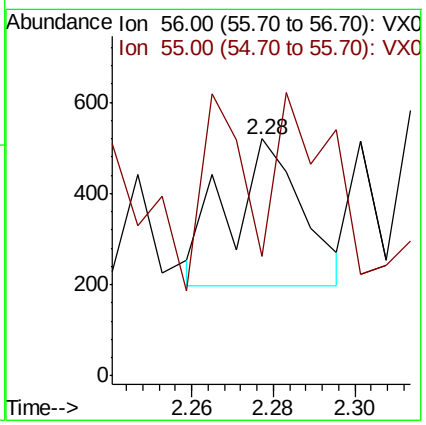


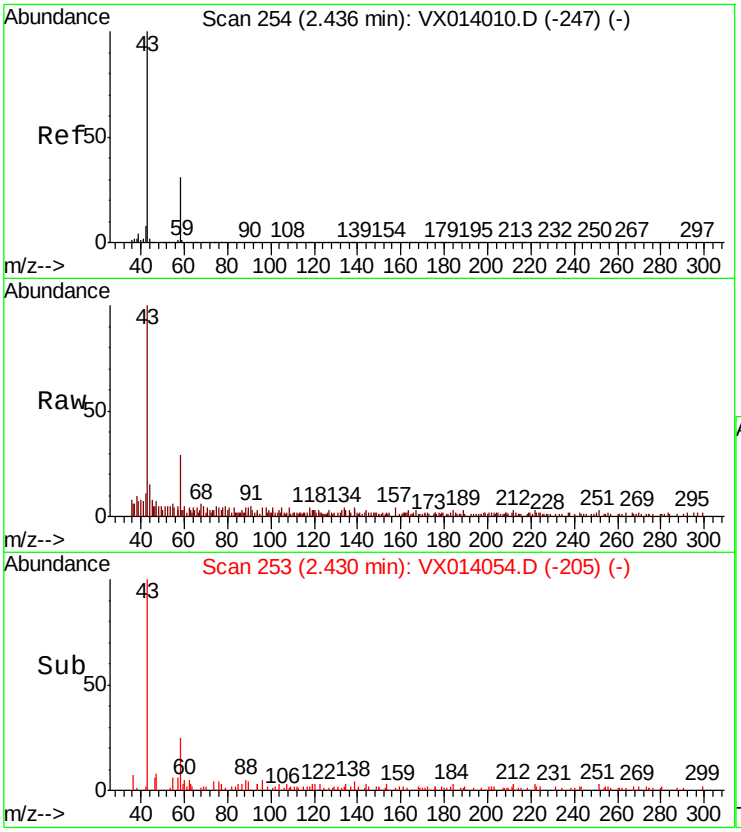




#13
Acrolein
Concen: 0.490 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 56 Resp: 402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 80.3 | 56.9 | 85.3 |



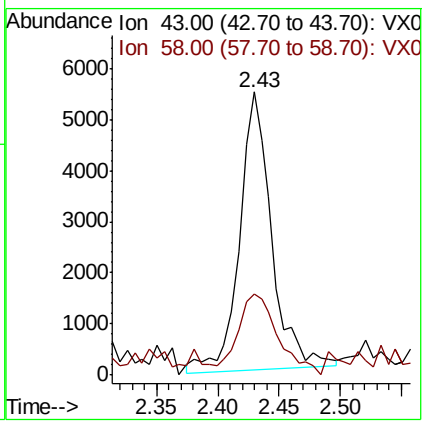


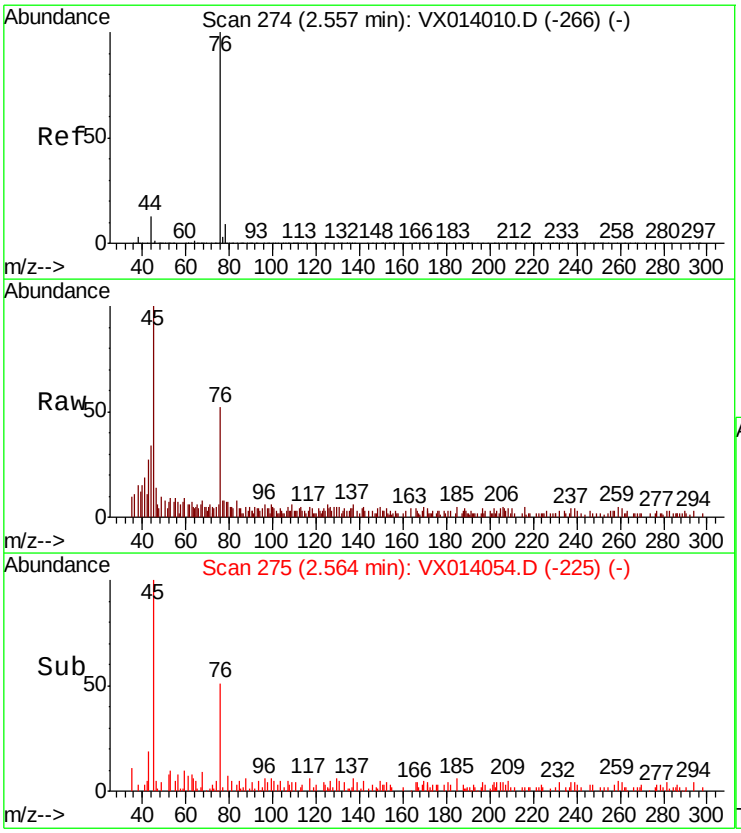

#16
Acetone
Concen: 2.302 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :** MSVOA_X
**ClientSampleId :** RE108D1-20191206

Tgt Ion: 43 Resp: 9923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.4 | 24.9 | 37.3 |

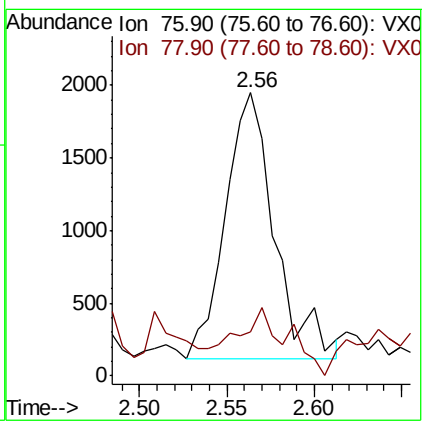


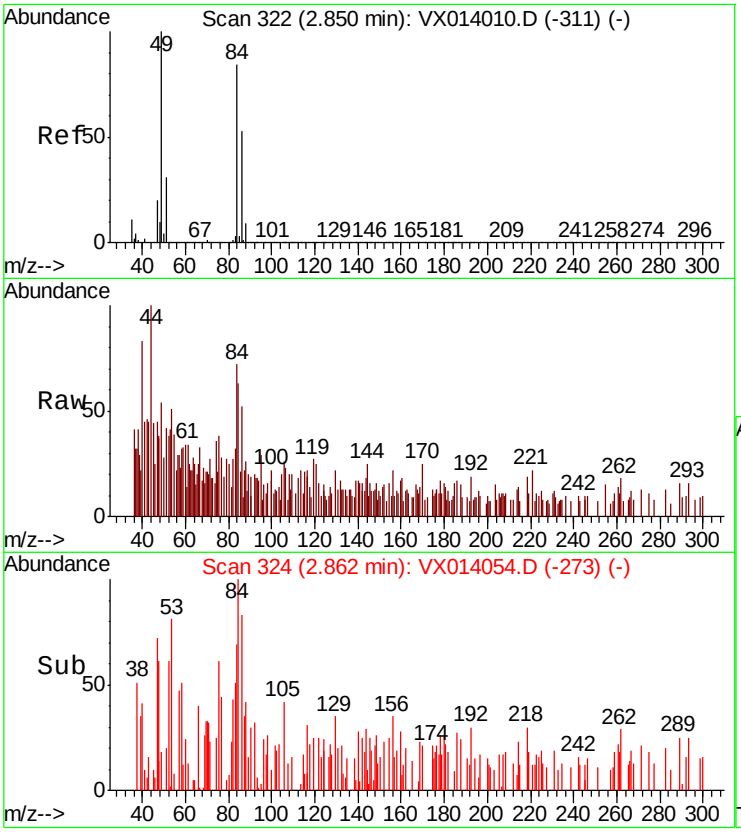




#17
Carbon Disulfide
Concen: 0.976 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 76 Resp: 3582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 6.9 | 7.2 | 10.8# |



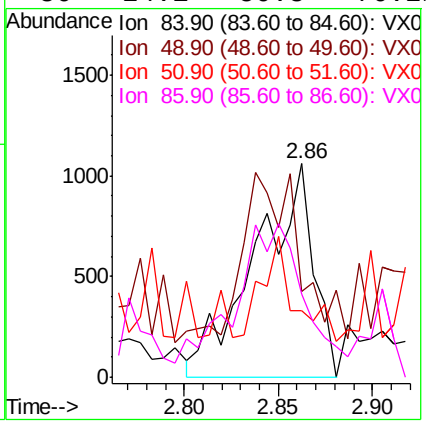


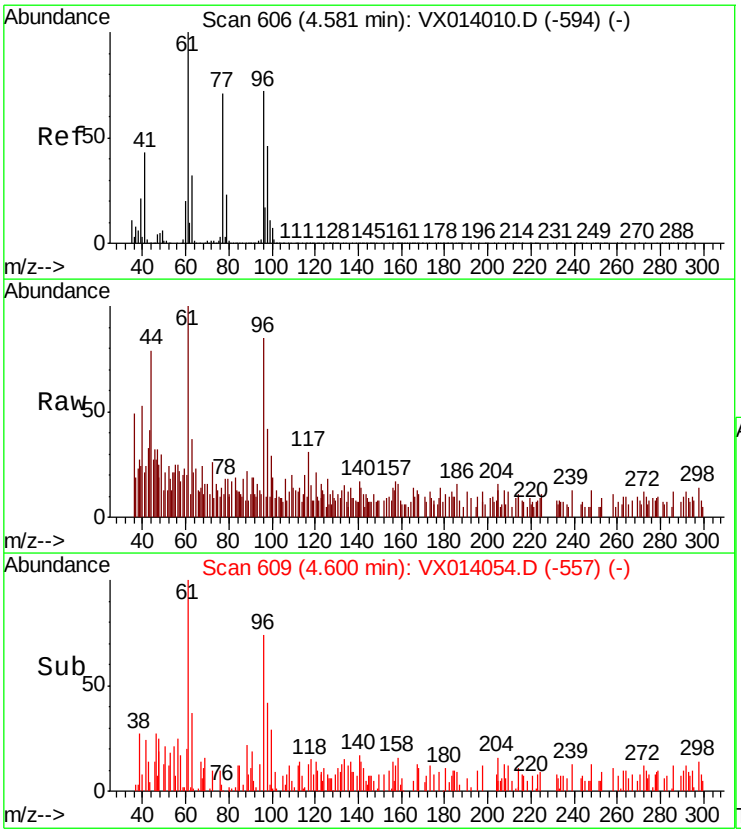

#20
Methylene Chloride
Concen: 0.334 ug/l
RT: 2.86 min Scan# 324
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :** MSVOA_X
**ClientSampleId :** RE108D1-20191206

Tgt Ion: 84 Resp: 2266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 18.6 | 95.8 | 143.6# |
| 51 | 14.3 | 29.8 | 44.8# |
| 86 | 24.1 | 50.8 | 76.2# |

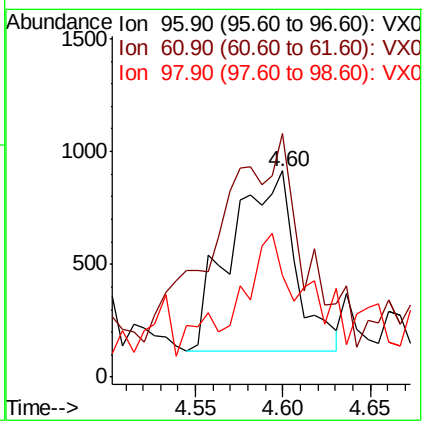


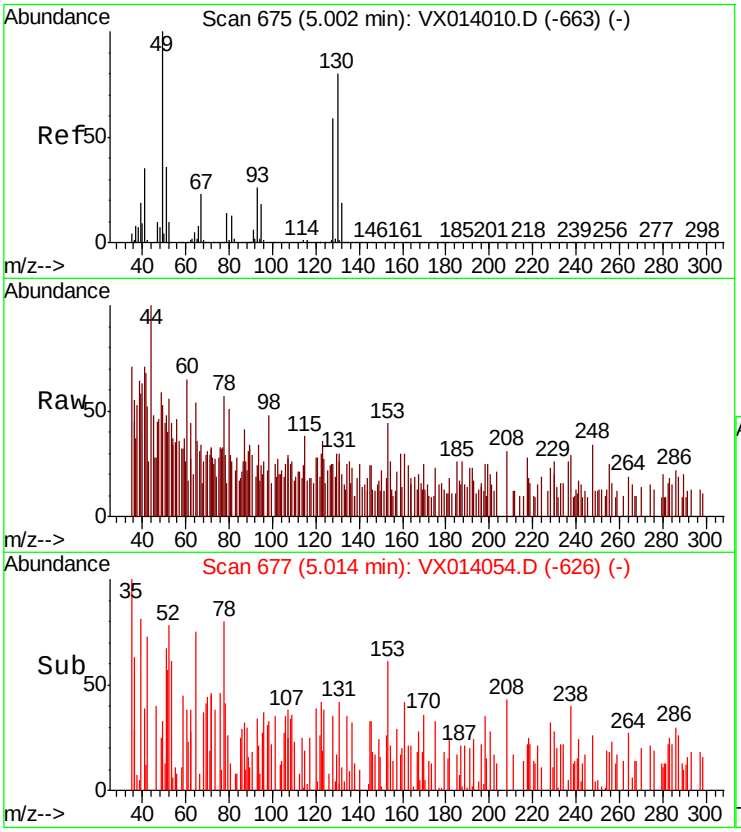




#27
cis-1,2-Dichloroethene
Concen: 0.294 ug/l
RT: 4.60 min Scan# 609
Delta R.T. 0.02 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 96 Resp: 2061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 87.7 | 0.0 | 288.4 |
| 98 | 68.4 | 0.0 | 129.6 |



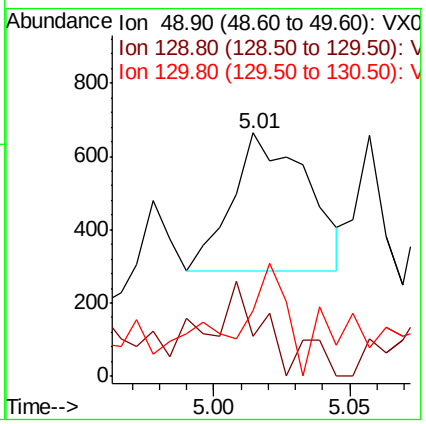


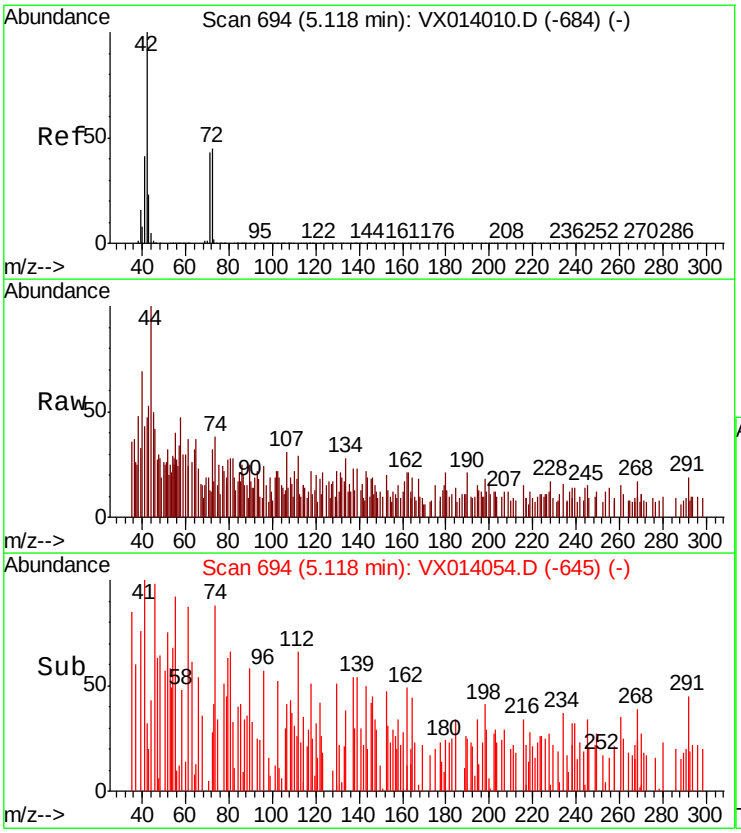

#28
Bromochloromethane
Concen: 0.621 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion: 49 Resp: 725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 46.8 | 0.0 | 5.0# |
| 130 | 34.9 | 64.6 | 97.0# |

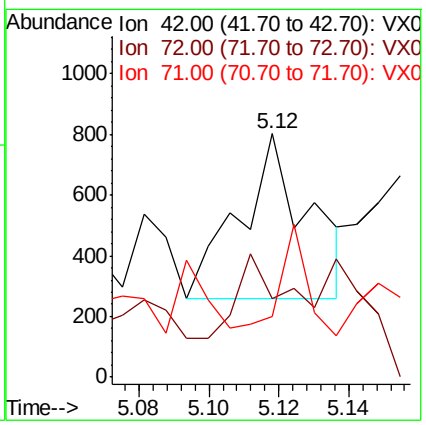


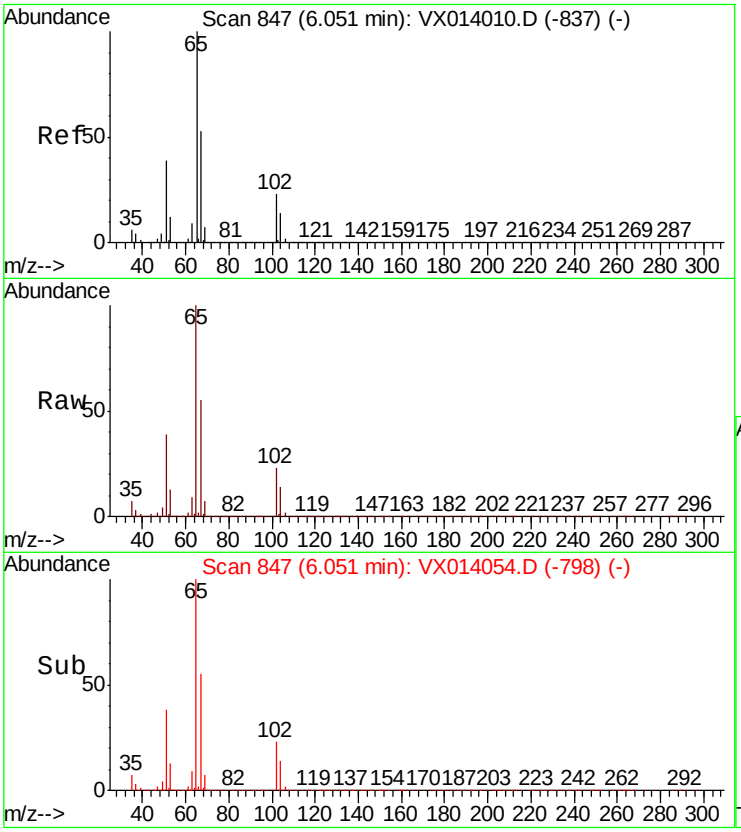




#29
Tetrahydrofuran
Concen: 0.247 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 42 Resp: 734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 37.5 | 35.8 | 53.8 |
| 71 | 33.9 | 33.6 | 50.4 |



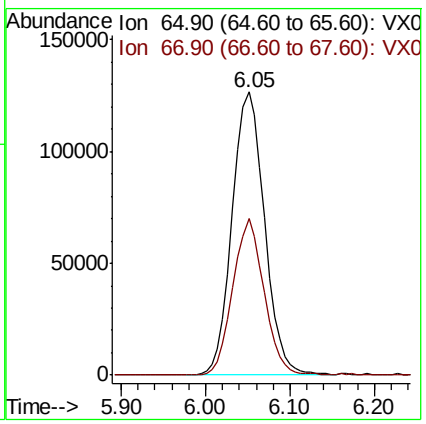


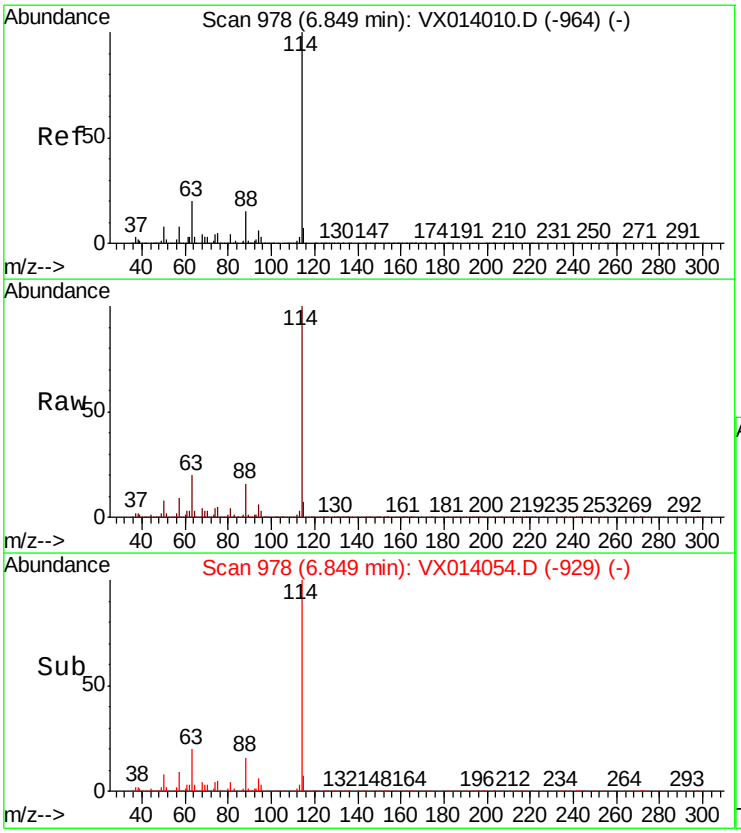

#33
1,2-Dichloroethane-d4
Concen: 49.391 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion: 65 Resp: 327881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.4 | 0.0 | 106.4 |

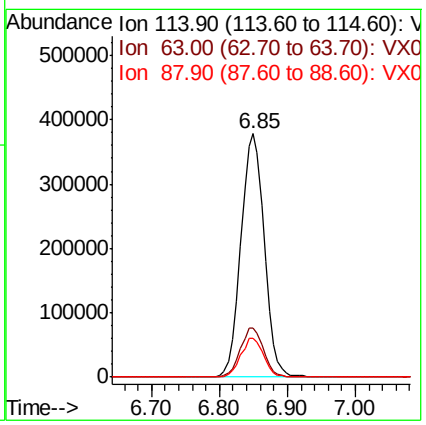


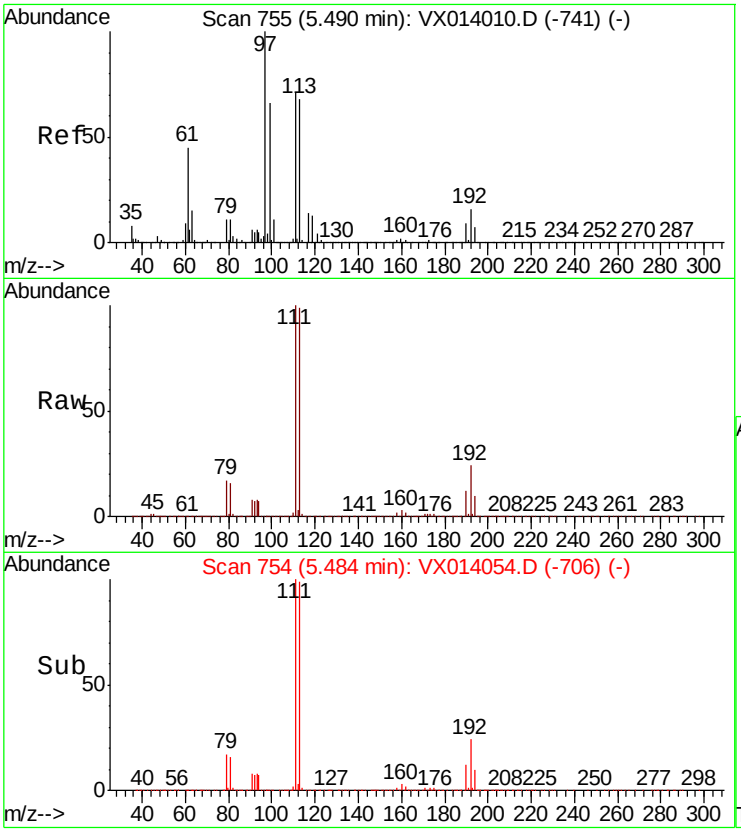




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion:114 Resp: 899722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 40.8 |
| 88 | 15.9 | 0.0 | 30.4 |



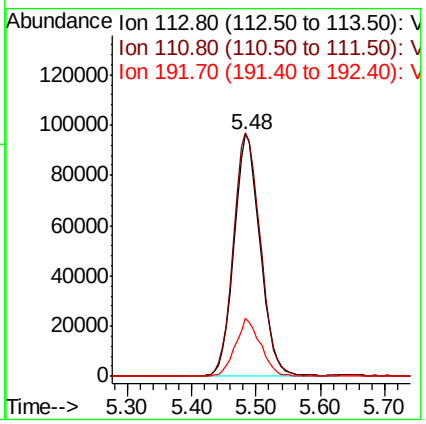


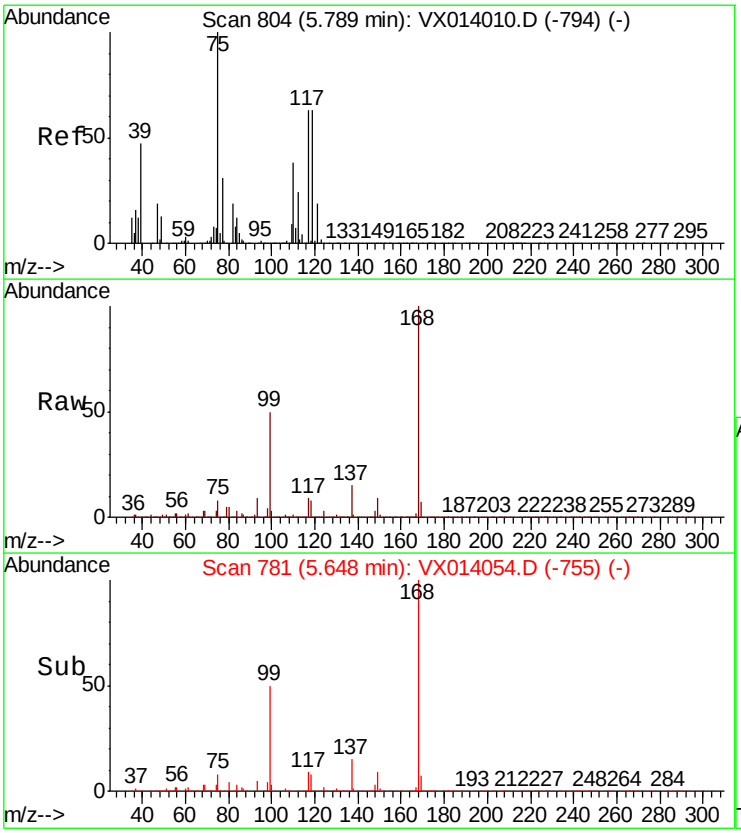

#35
Dibromofluoromethane
Concen: 49.299 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion:113 Resp: 269633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 82.0 | 123.0 |
| 192 | 23.2 | 19.3 | 28.9 |

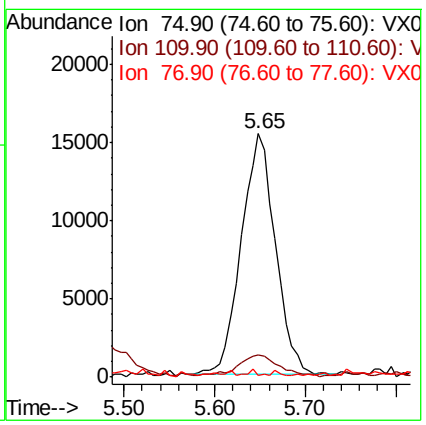


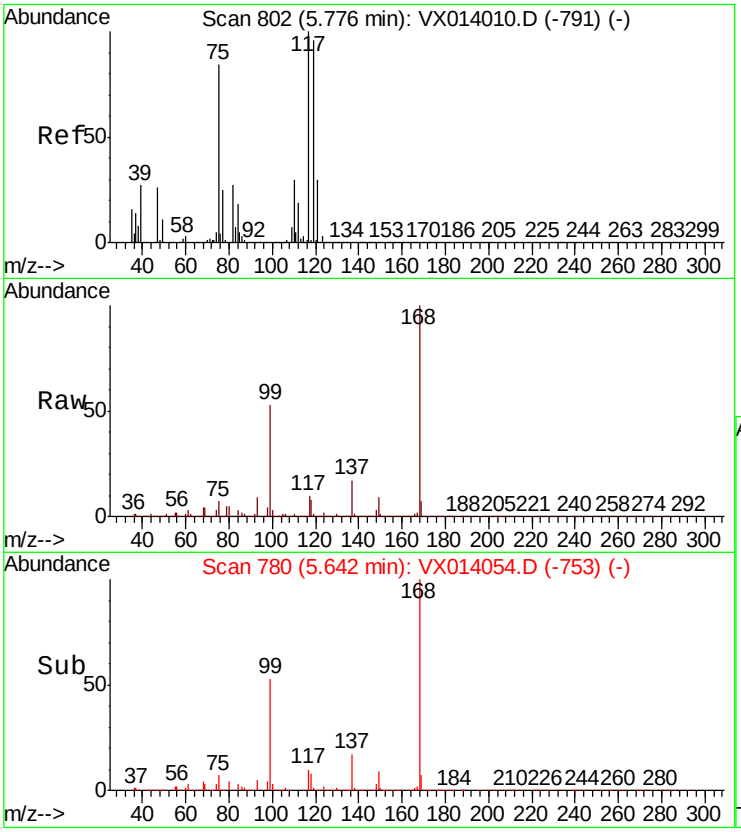




#36
1,1-Dichloropropene
Concen: 4.865 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 75 Resp: 40163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.7 | 18.3 | 54.9# |
| 77 | 0.5 | 24.8 | 37.2# |



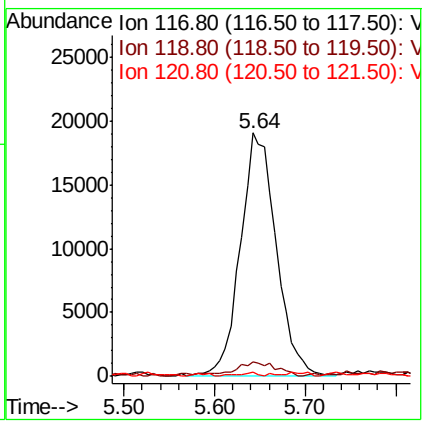


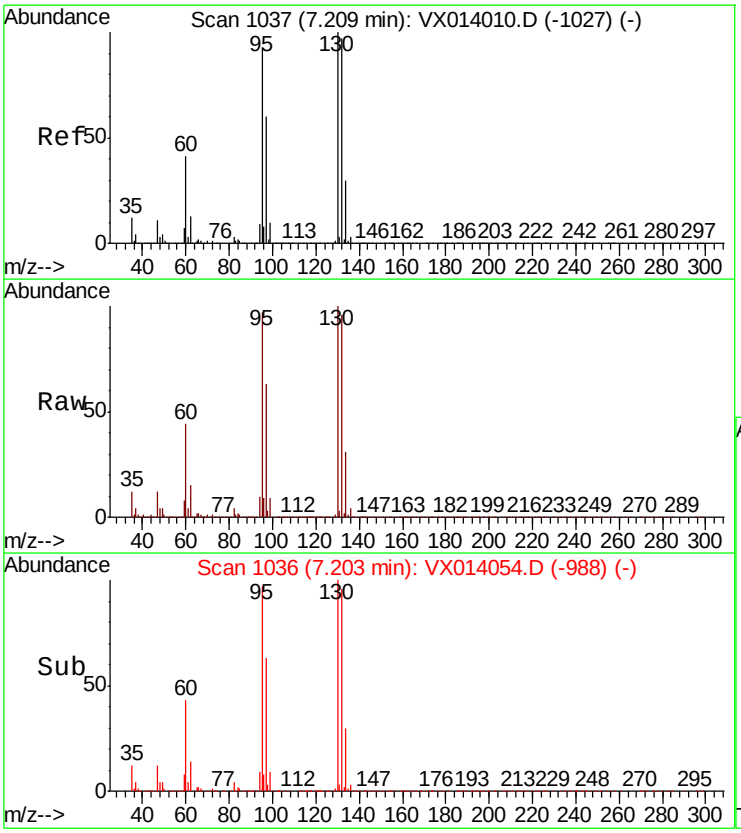

#38
Carbon Tetrachloride
Concen: 6.968 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion:117 Resp: 52403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.2 | 76.2 | 114.4# |
| 121 | 1.4 | 23.6 | 35.4# |

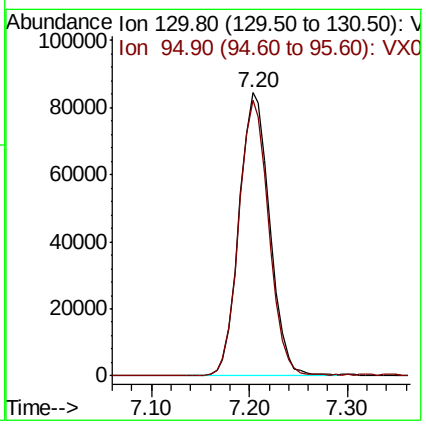


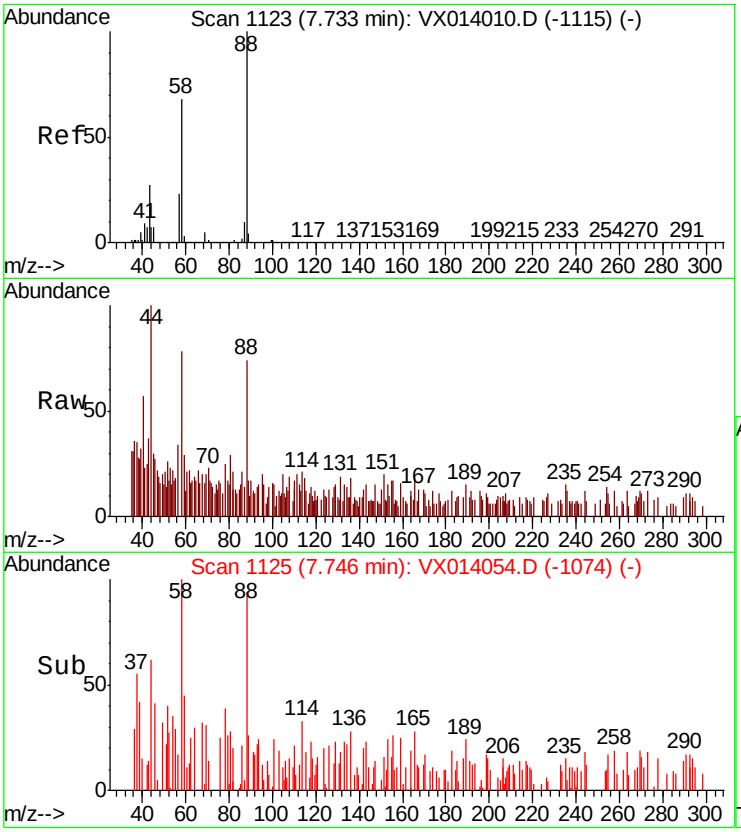




#44
Trichloroethene
Concen: 26.080 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion:130 Resp: 182978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.2 | 0.0 | 185.6 |



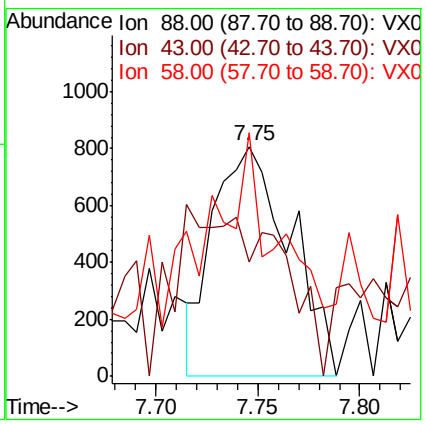


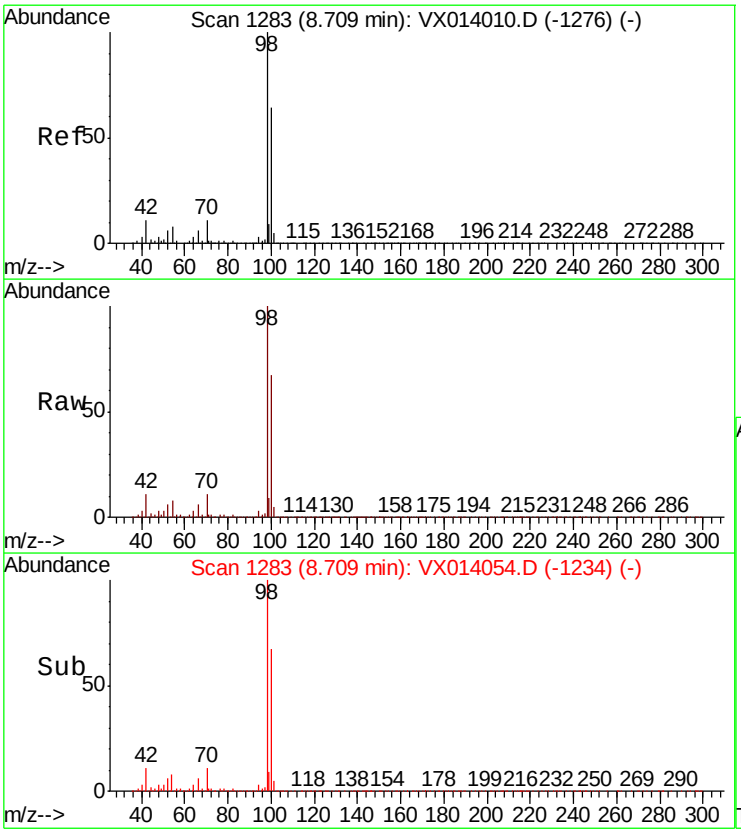

#49
1,4-Dioxane
Concen: 14.141 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion: 88 Resp: 2126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 26.5 | 39.7# |
| 58 | 70.8 | 56.8 | 85.2 |

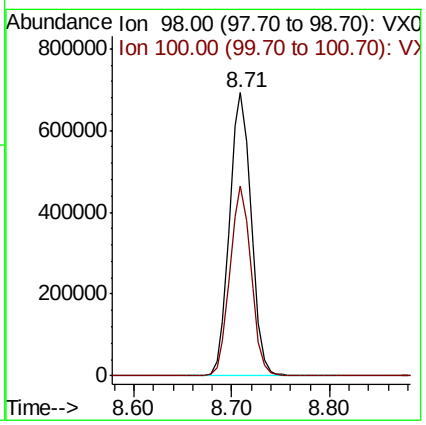


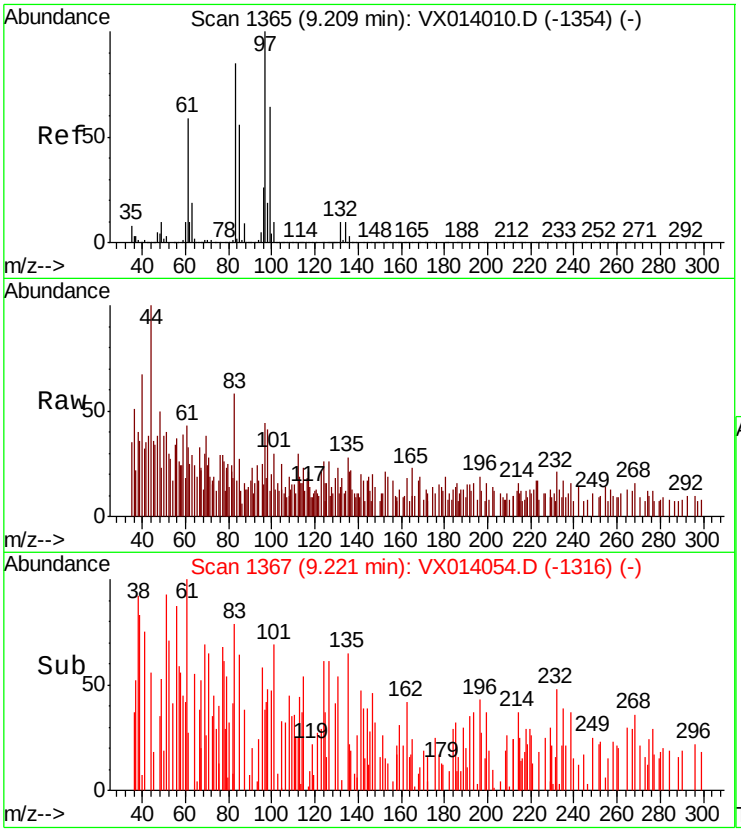




#50
Toluene-d8
Concen: 50.179 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 98 Resp: 1068482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.9 | 79.3 |



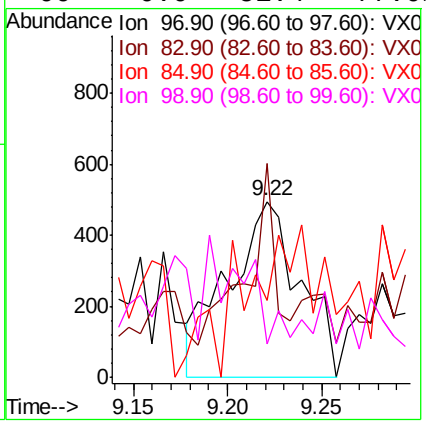


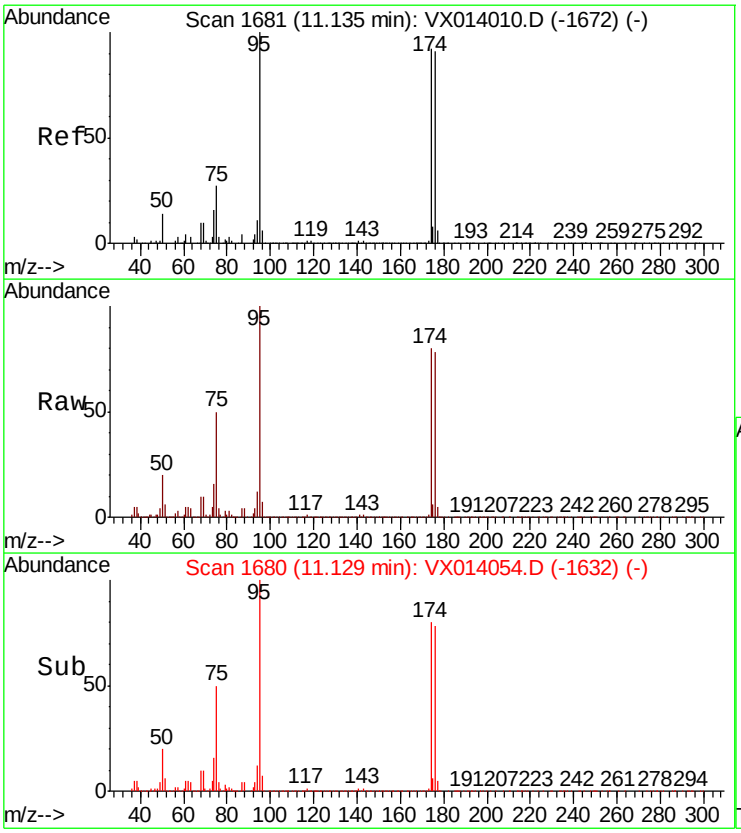

#55
1,1,2-Trichloroethane
Concen: 0.204 ug/l
RT: 9.22 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion: 97 Resp: 1314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 102.0 | 68.2 | 102.4 |
| 85 | 8.3 | 44.6 | 66.8# |
| 99 | 0.0 | 51.4 | 77.0# |

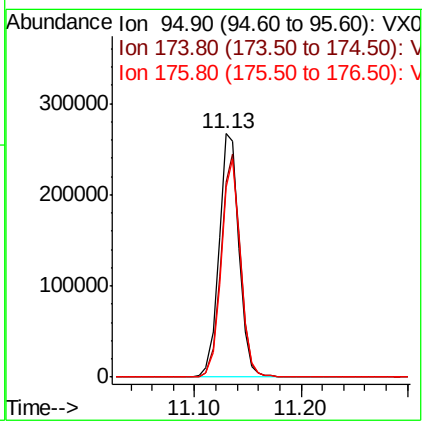


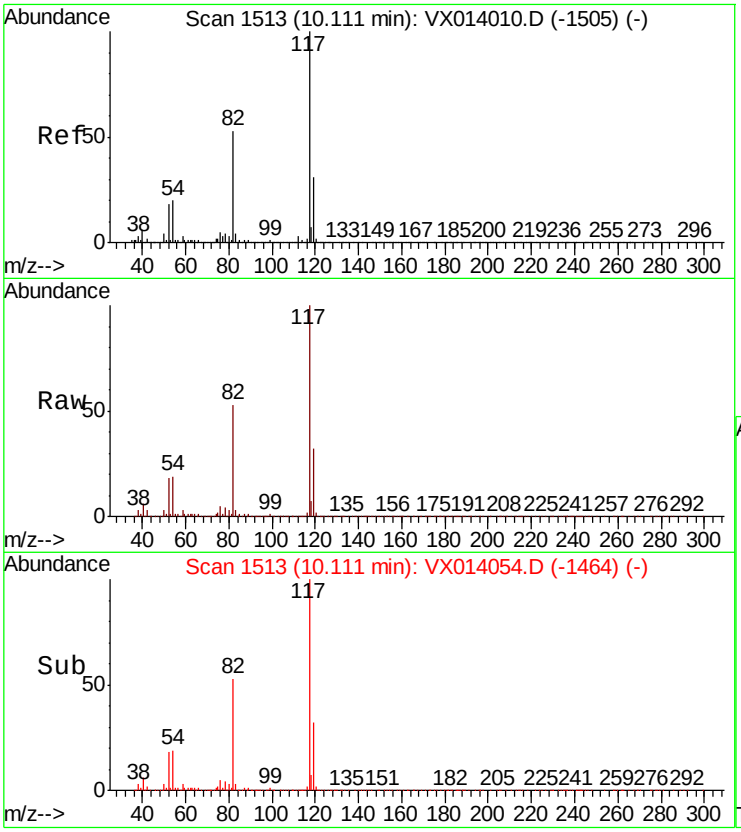




#62
4-Bromofluorobenzene
Concen: 44.724 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 95 Resp: 348119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 89.2 | 0.0 | 175.8 |
| 176 | 86.4 | 0.0 | 173.0 |



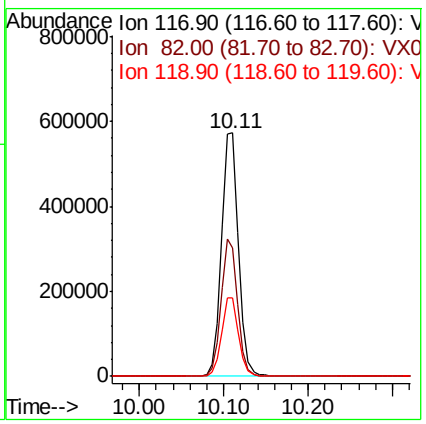


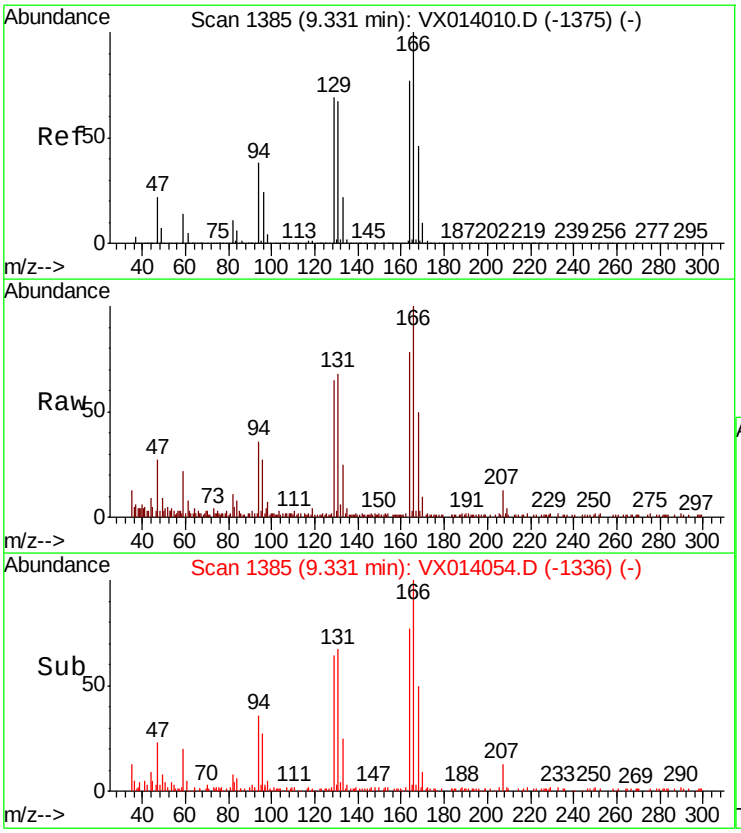

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :** MSVOA_X
**ClientSampleId :** RE108D1-20191206

Tgt Ion:117 Resp: 799703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.7 | 42.2 | 63.4 |
| 119 | 32.4 | 25.1 | 37.7 |

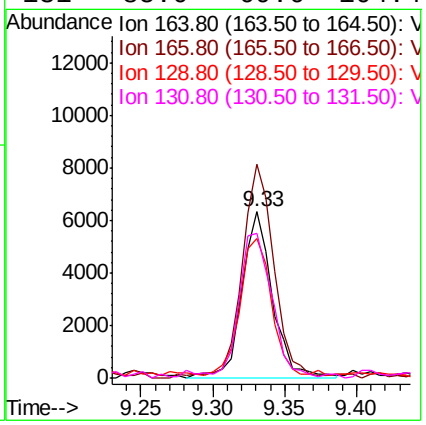


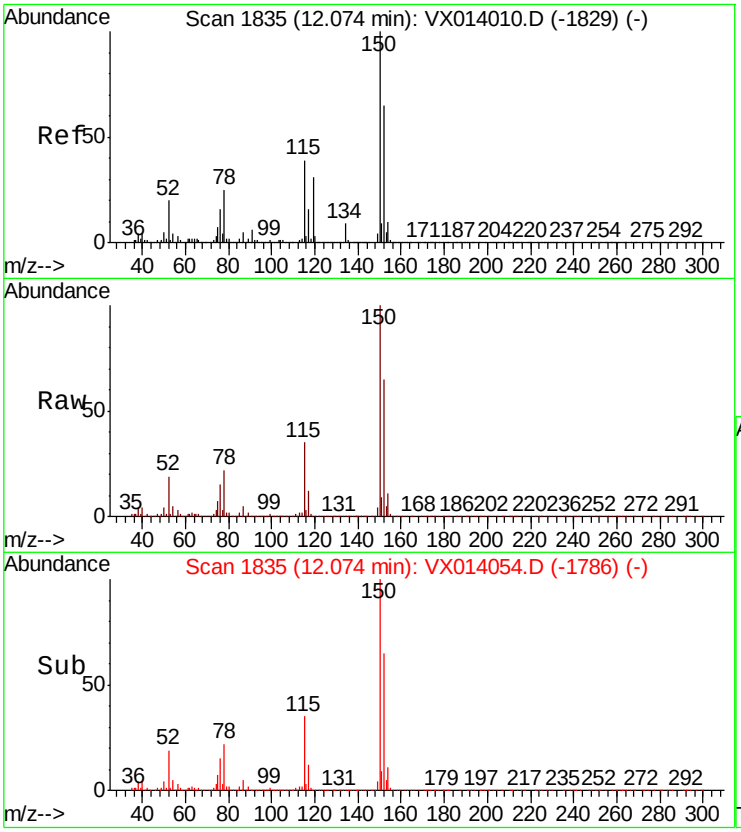




#64
Tetrachloroethene
Concen: 1.312 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion:164 Resp: 9286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.4 | 104.0 | 156.0 |
| 129 | 81.7 | 72.2 | 108.4 |
| 131 | 85.0 | 69.6 | 104.4 |



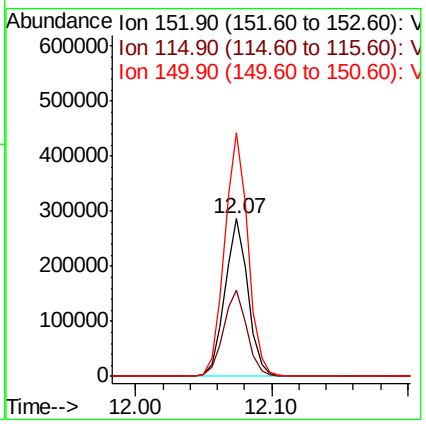


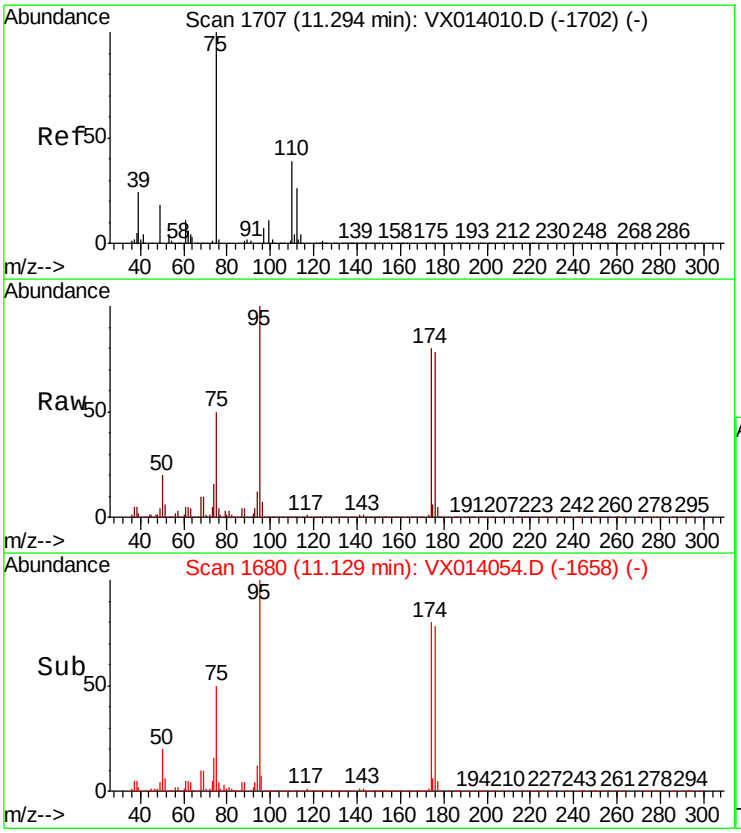

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion:152 Resp: 333219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.0 | 38.3 | 114.9 |
| 150 | 157.1 | 0.0 | 345.4 |

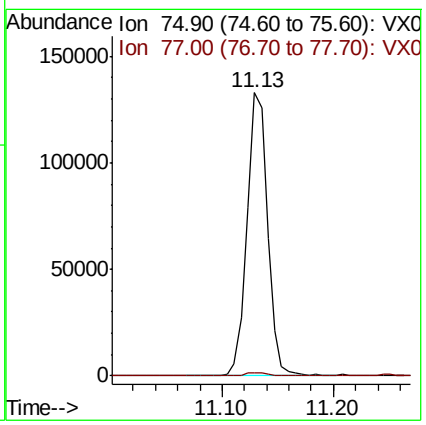


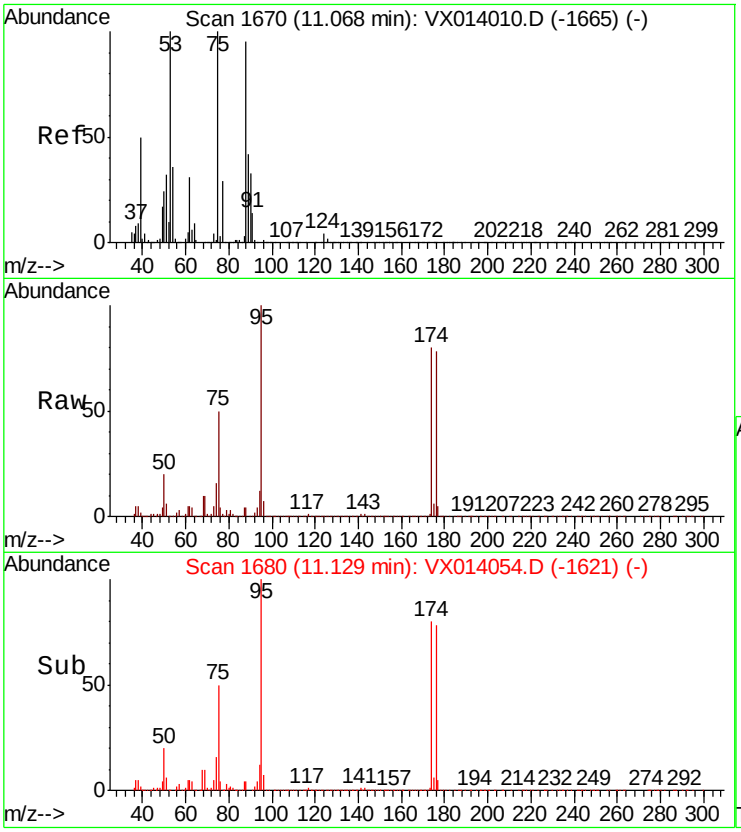




#76
1,2,3-Trichloropropane
Concen: 23.735 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 75 Resp: 171703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 19.3 | 57.8# |



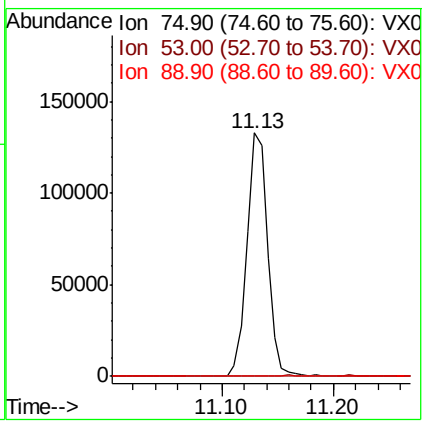


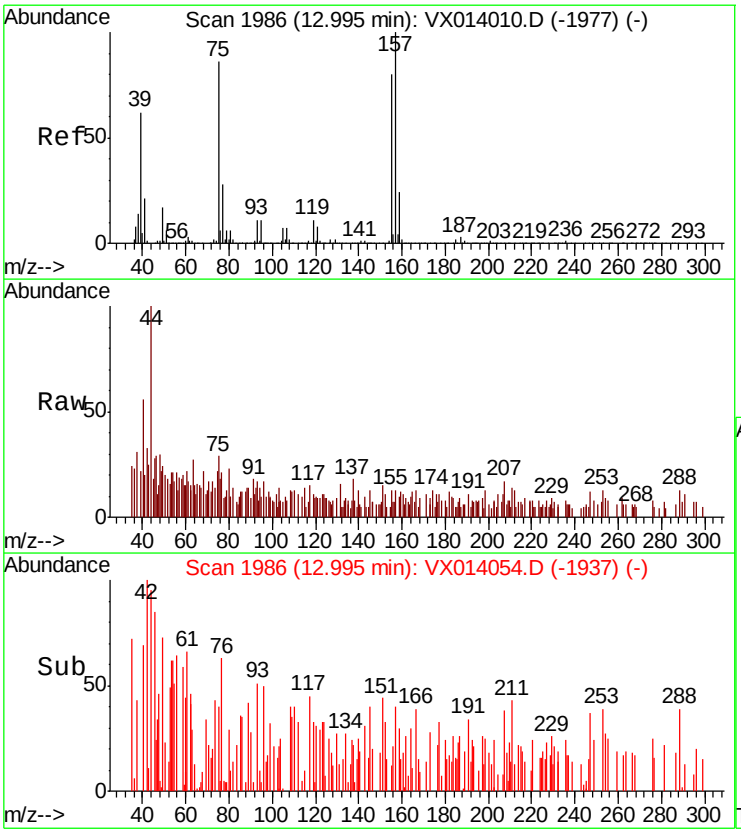

#81
trans-1,4-Dichloro-2-butene
Concen: 66.993 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion: 75 Resp: 171703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.4 | 76.7 | 115.1# |
| 89 | 0.1 | 34.6 | 51.8# |

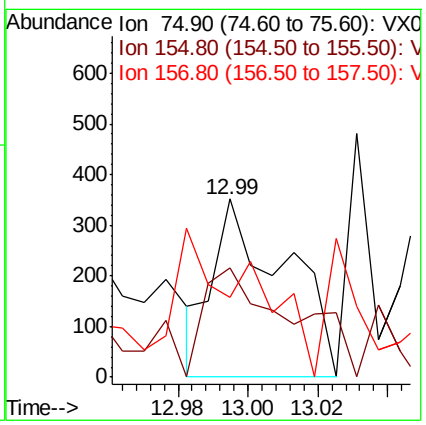


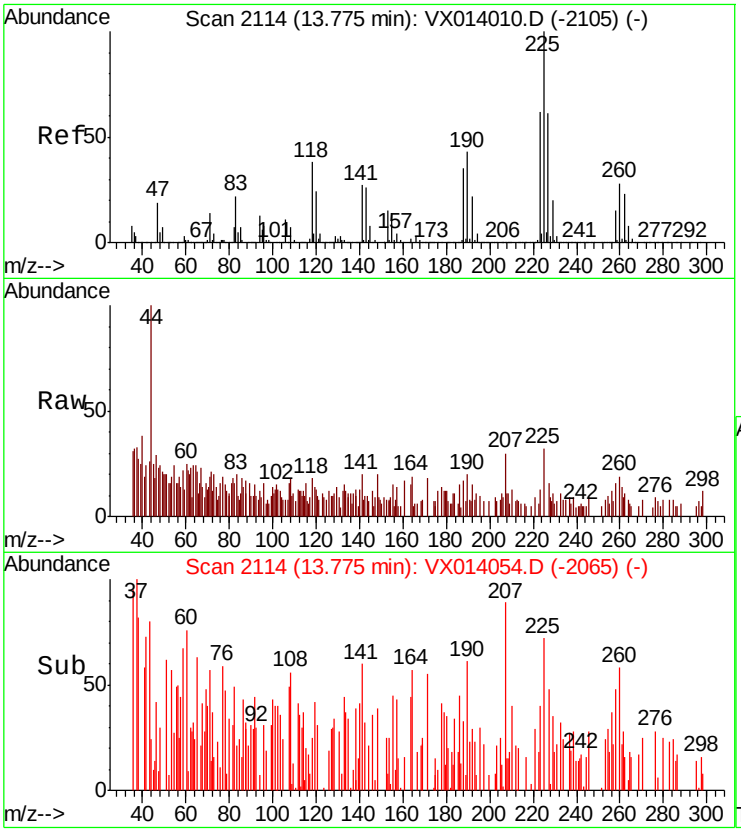




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.280 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion: 75 Resp: 504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.5 | 46.9 | 140.6 |
| 157 | 42.7 | 60.8 | 182.4# |



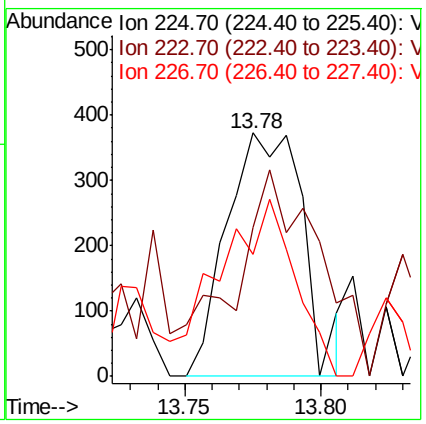


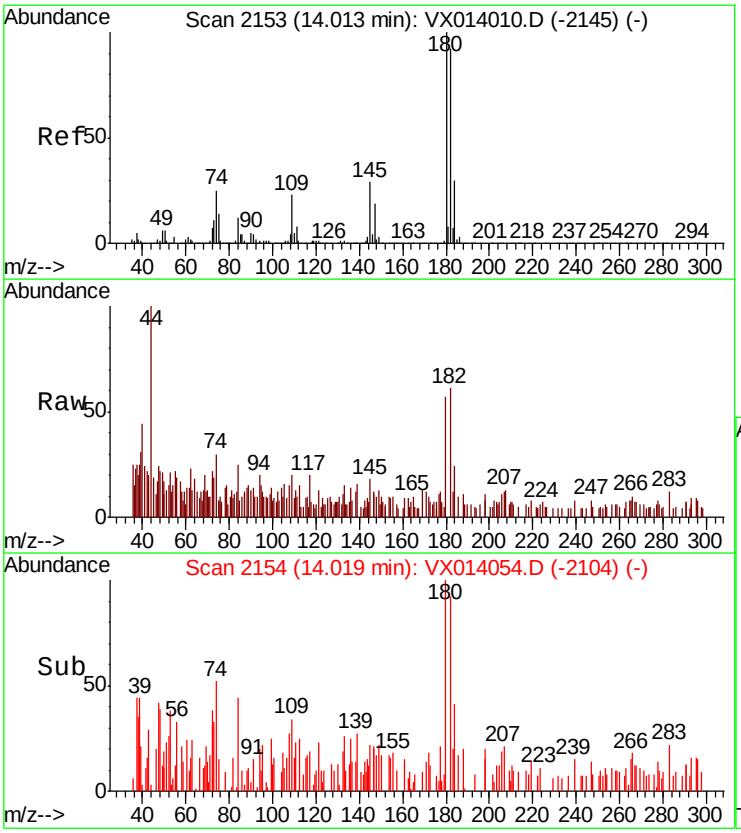

#94
Hexachlorobutadiene
Concen: 0.204 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE108D1-20191206

Tgt Ion:225 Resp: 726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 91.2 | 30.9 | 92.5 |
| 227 | 71.8 | 30.9 | 92.7 |




#96
1,2,3-Trichlorobenzene
Concen: 0.224 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX014054.D
Acq: 17 Dec 2019 16:12

Tgt Ion:180 Resp: 1635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 81.0 | 46.8 | 140.3 |
| 145 | 19.5 | 14.8 | 44.4 |