Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022620\
Data File : VX015022.D
Acq On : 26 Feb 2020 15:44
Operator : JC/SP
Sample : L1683-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** INTERCEPTOR-20200225

Quant Time: Feb 27 02:56:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 421050 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 666392 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 633227 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 337966 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 238283 | 50.15 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.30% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 204846 | 50.00 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.00% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 794706 | 50.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.64% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 299325 | 53.14 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 106.28% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.19 | 85 | 30112 | 7.552 | ug/l | 90 |
| 3) Chloromethane | 1.32 | 50 | 1315 | 0.291 | ug/l # | 83 |
| 4) Vinyl Chloride | 1.41 | 62 | 32281 | 6.629 | ug/l | 100 |
| 5) Bromomethane | 1.65 | 94 | 644 | 0.204 | ug/l # | 59 |
| 7) Trichlorofluoromethane | 1.93 | 101 | 2307 | 0.339 | ug/l | 89 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 37612 | 9.523 | ug/l | 98 |
| 10) Methyl Iodide | 2.51 | 142 | 766 | 4.527 | ug/l # | 78 |
| 11) Tert butyl alcohol | 3.02 | 59 | 373 | 0.445 | ug/l # | 28 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 73485 | 19.041 | ug/l | 96 |
| 13) Acrolein | 2.28 | 56 | 224 | 0.350 | ug/l # | 15 |
| 15) Acrylonitrile | 3.14 | 53 | 427 | 0.201 | ug/l # | 10 |
| 16) Acetone | 2.44 | 43 | 3316 | Below Cal | | 92 |
| 20) Methylene Chloride | 2.87 | 84 | 1050 | 0.230 | ug/l # | 14 |
| 21) trans-1,2-Dichloroethene | 3.16 | 96 | 86374 | 20.283 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.69 | 63 | 2242 | 0.304 | ug/l # | 92 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 4013449 | 843.114 | ug/l | 88 |
| 29) Tetrahydrofuran | 5.11 | 42 | 727 | 0.395 | ug/l # | 48 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 28335 | 4.753 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 37927 | 6.529 | ug/l # | 17 |
| 39) Methylcyclohexane | 7.22 | 83 | 223422 | 29.969 | ug/l # | 1 |
| 44) Trichloroethene | 7.22 | 130 | 18040179 | 3489.123 | ug/l | 95 |
| 49) 1,4-Dioxane | 7.74 | 88 | 726 | 7.693 | ug/l # | 38 |
| 59) 2-Hexanone | 9.45 | 43 | 989 | 0.203 | ug/l | 70 |
| 64) Tetrachloroethene | 9.33 | 164 | 6788 | 1.147 | ug/l | 95 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 147218 | 24.089 | ug/l # | 40 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 147218 | 61.660 | ug/l # | 12 |
| 92) 1,2-Dibromo-3-Chloropropan | 12.76 | 75 | 345 | 0.212 | ug/l | 60 |

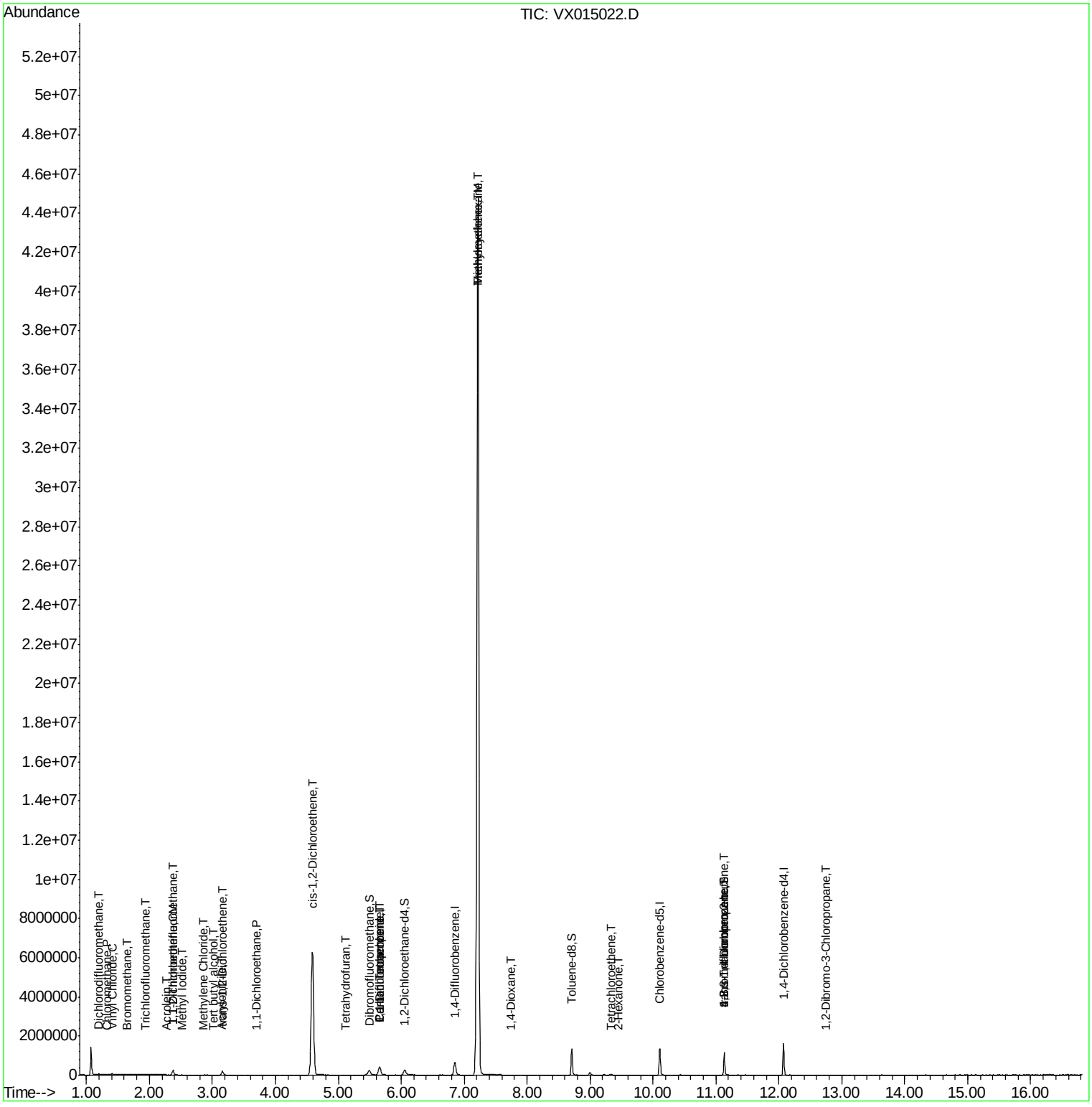
(#) = qualifier out of range (m) = manual integration (+) = signals summed

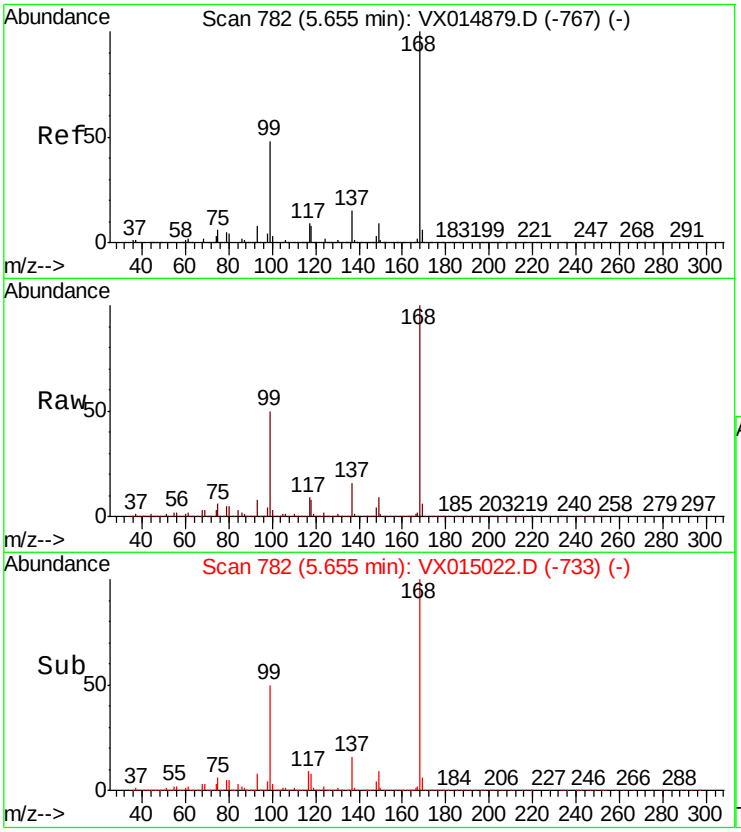
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022620\
Data File : VX015022.D
Acq On : 26 Feb 2020 15:44
Operator : JC/SP
Sample : L1683-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Quant Time: Feb 27 02:56:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration



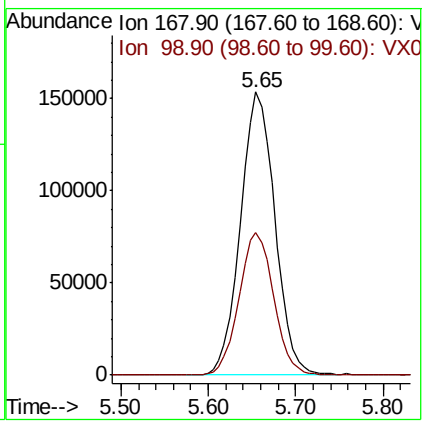


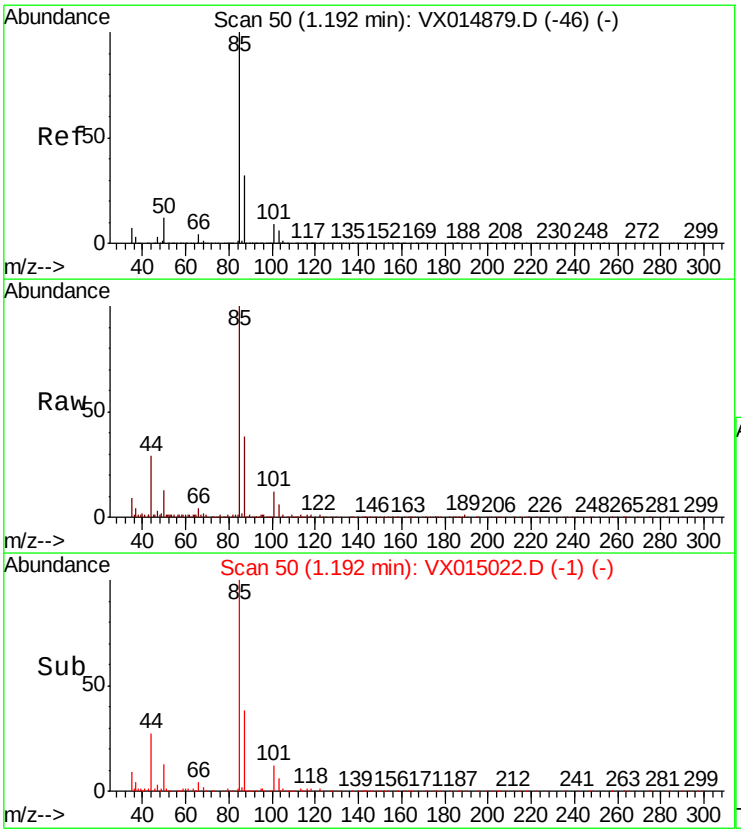

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion:168 Resp: 421050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.3 | 38.7 | 58.1 |

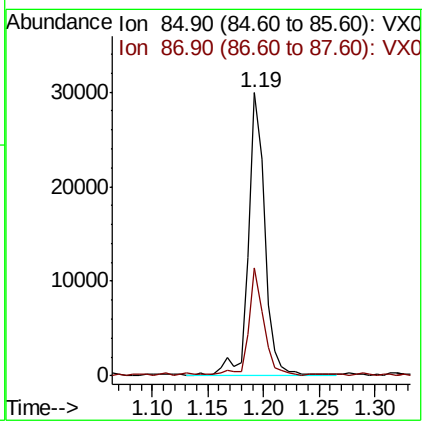


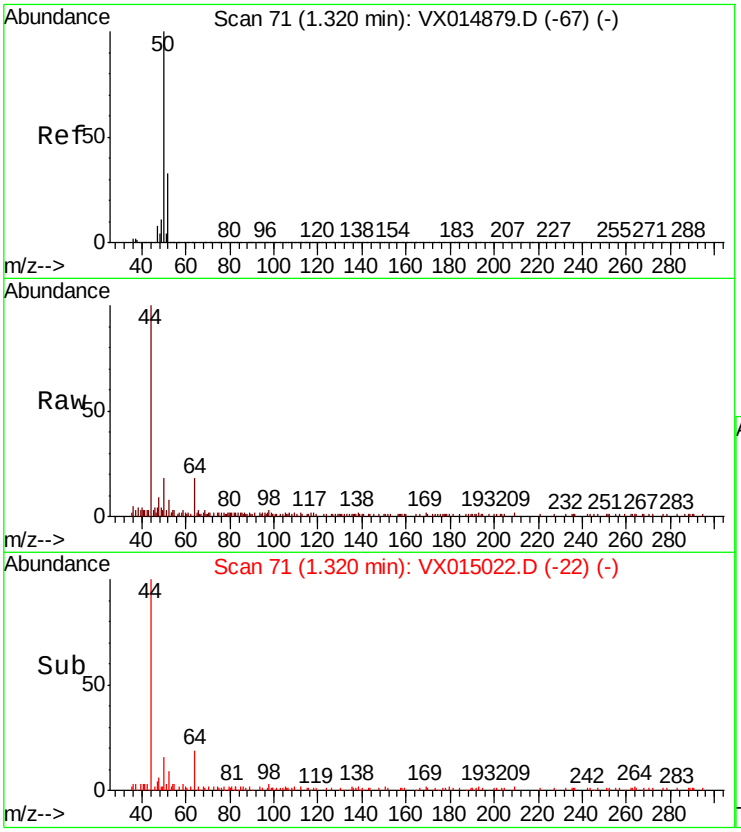




#2
Dichlorodifluoromethane
Concen: 7.552 ug/l
RT: 1.19 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 85 Resp: 30112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 37.8 | 16.1 | 48.2 |



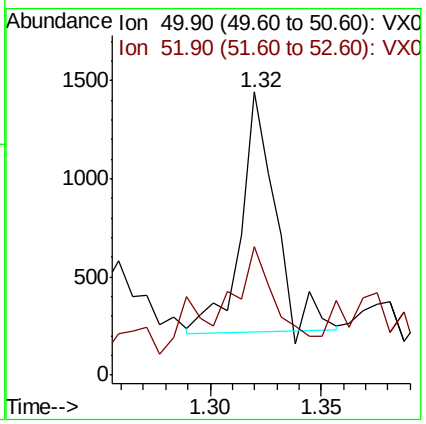


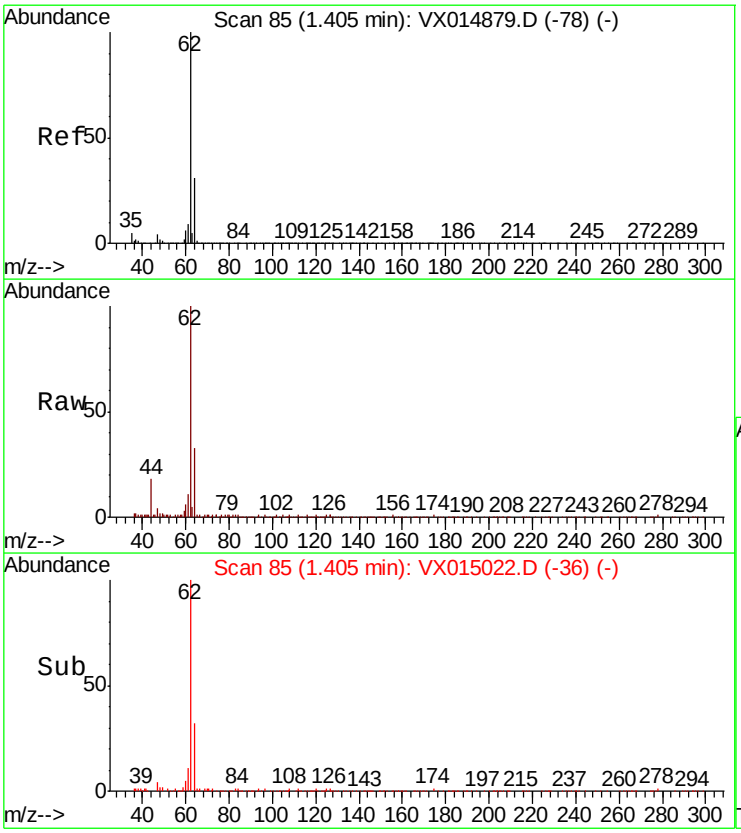

#3
Chloromethane
Concen: 0.291 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 50 Resp: 1315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 23.0 | 26.2 | 39.2# |

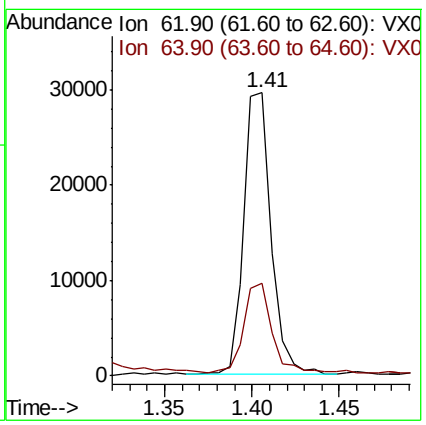


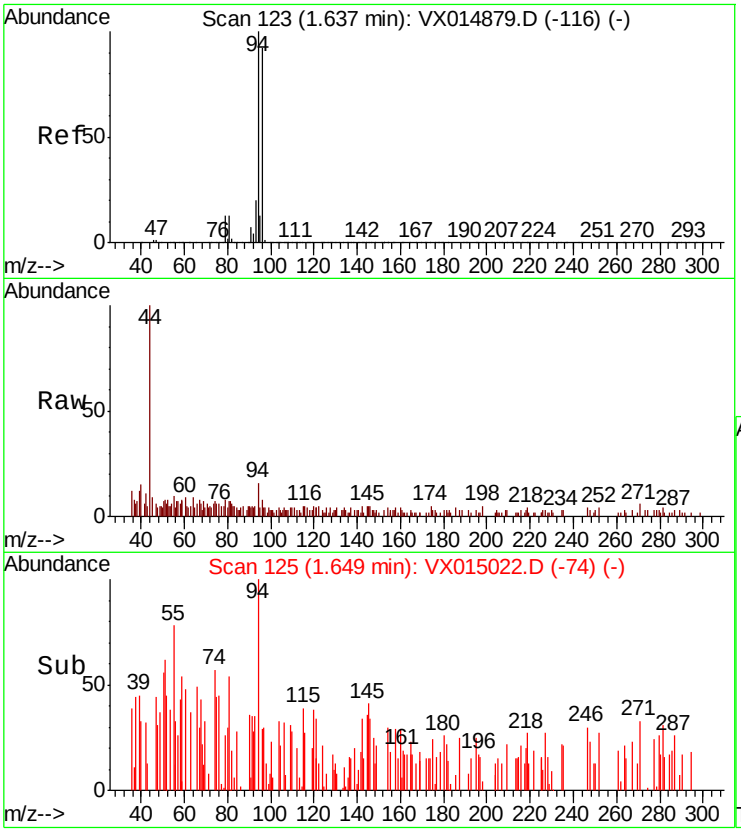




#4
Vinyl Chloride
Concen: 6.629 ug/l
RT: 1.41 min Scan# 85
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 62 Resp: 32281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 24.8 | 37.2 |



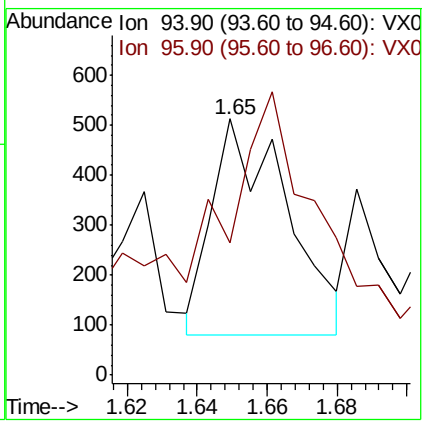


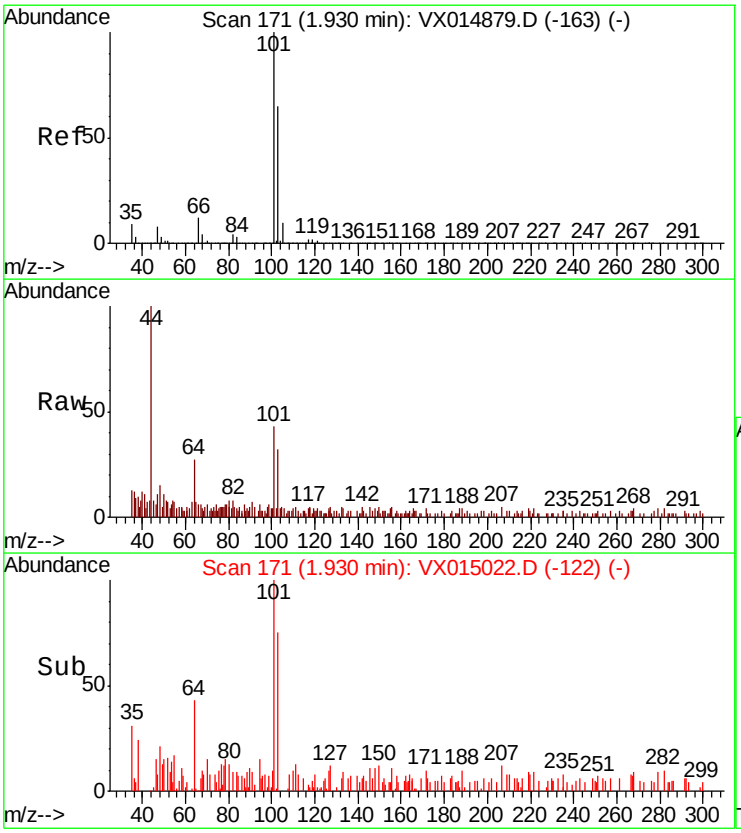

#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.65 min Scan# 125
Delta R.T. 0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 94 Resp: 644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 52.8 | 73.7 | 110.5# |

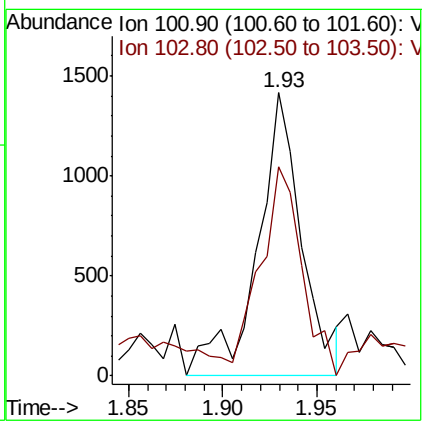


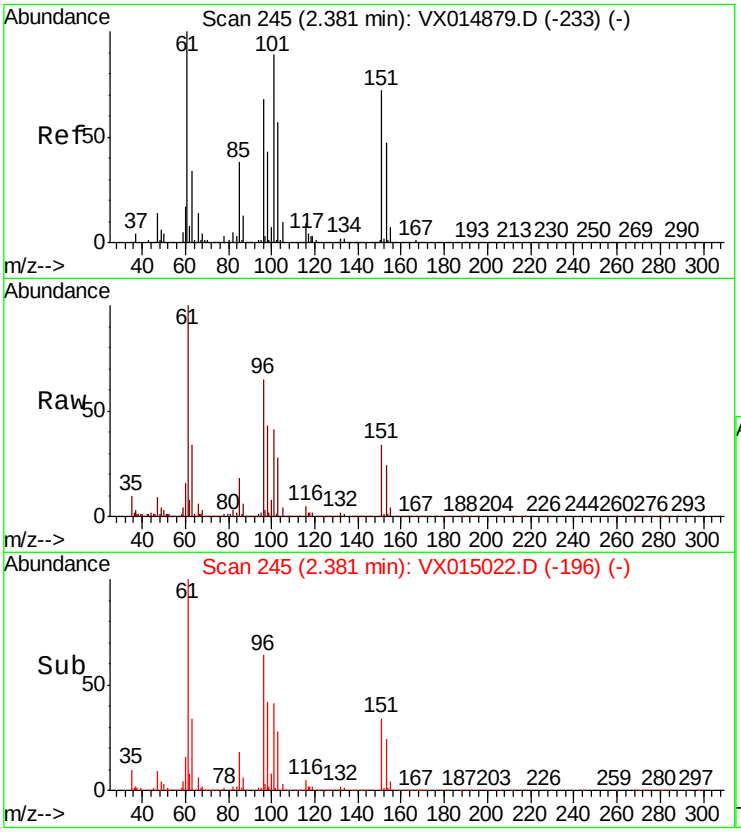




#7
Trichlorofluoromethane
Concen: 0.339 ug/l
RT: 1.93 min Scan# 171
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion:101 Resp: 2307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 74.1 | 52.2 | 78.4 |



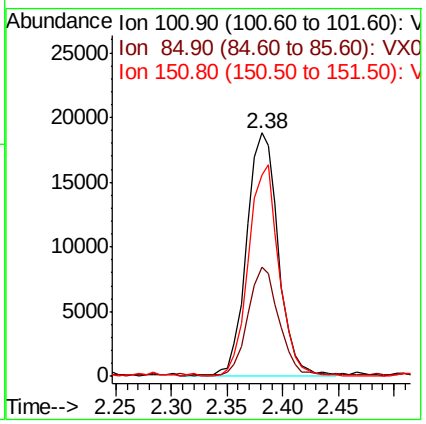


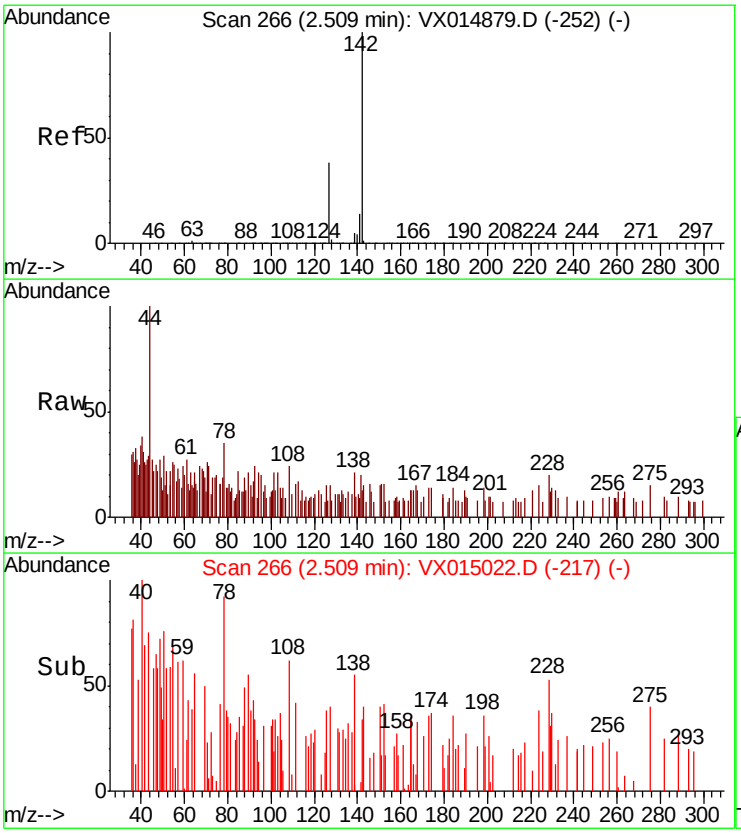

#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.523 ug/l
RT: 2.38 min Scan# 245
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion:101 Resp: 37612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.1 | 34.1 | 51.1 |
| 151 | 83.4 | 67.3 | 100.9 |

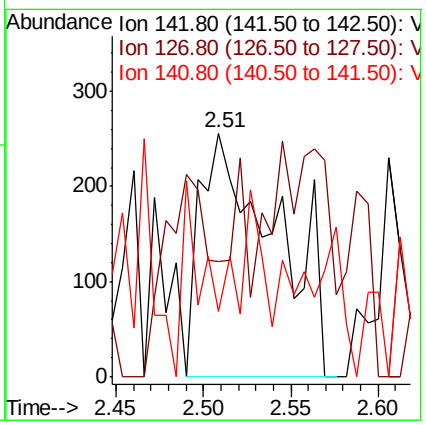


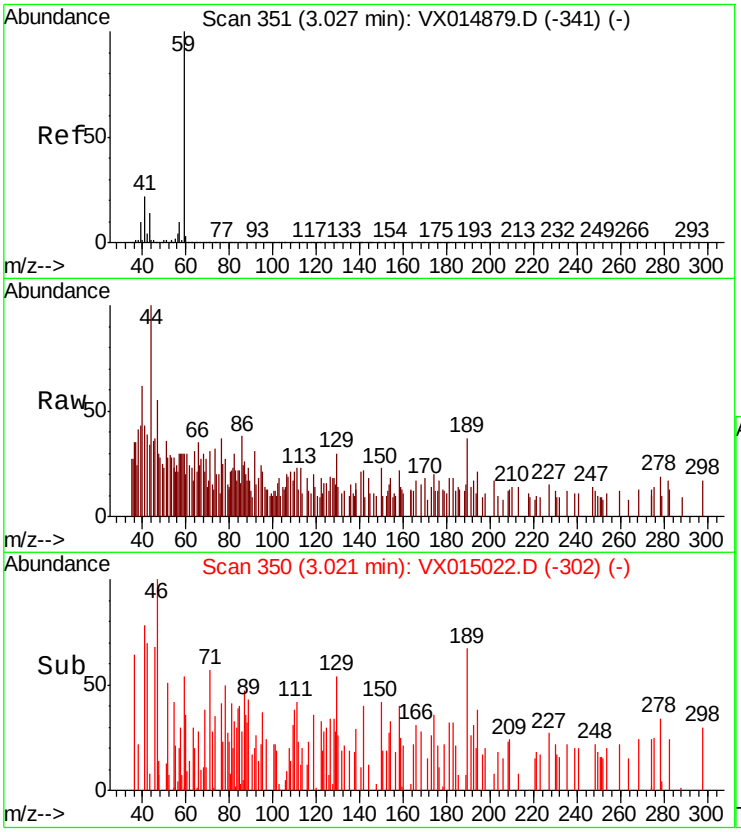




#10
Methyl Iodide
Concen: 4.527 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion:142 Resp: 766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 20.8 | 31.1 | 46.7# |
| 141 | 14.5 | 11.3 | 16.9 |



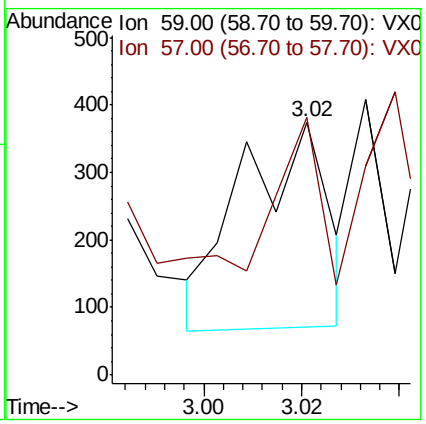


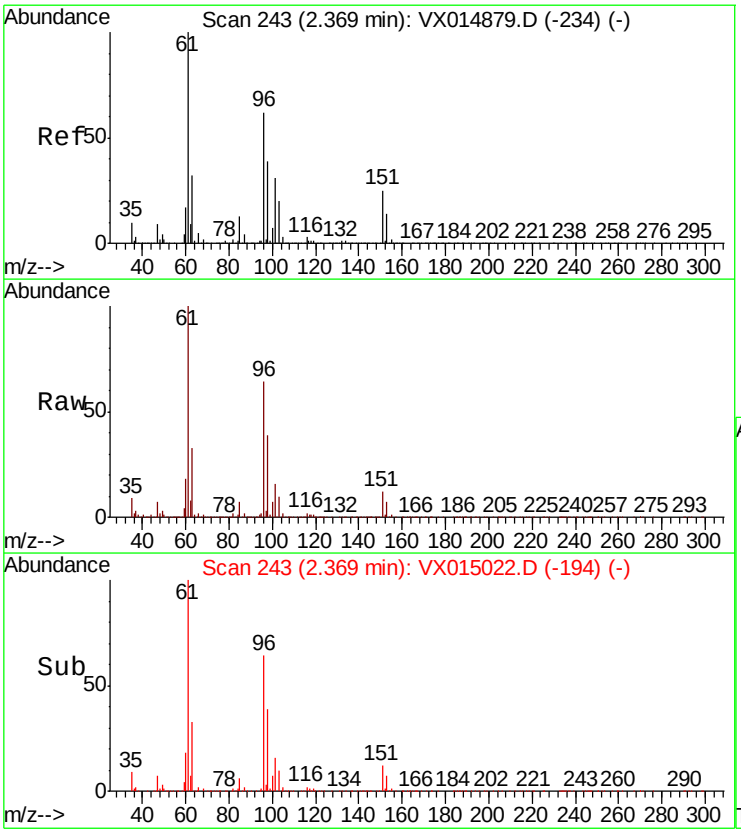

#11
Tert butyl alcohol
Concen: 0.445 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 59 Resp: 373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 37.3 | 8.2 | 12.4# |

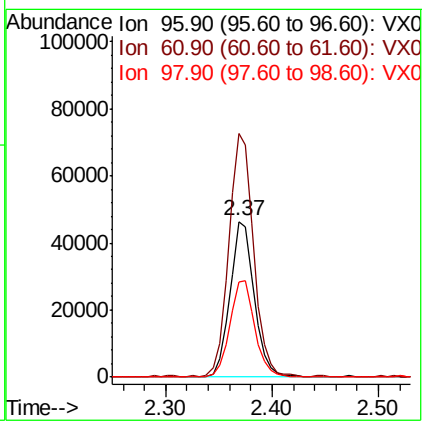


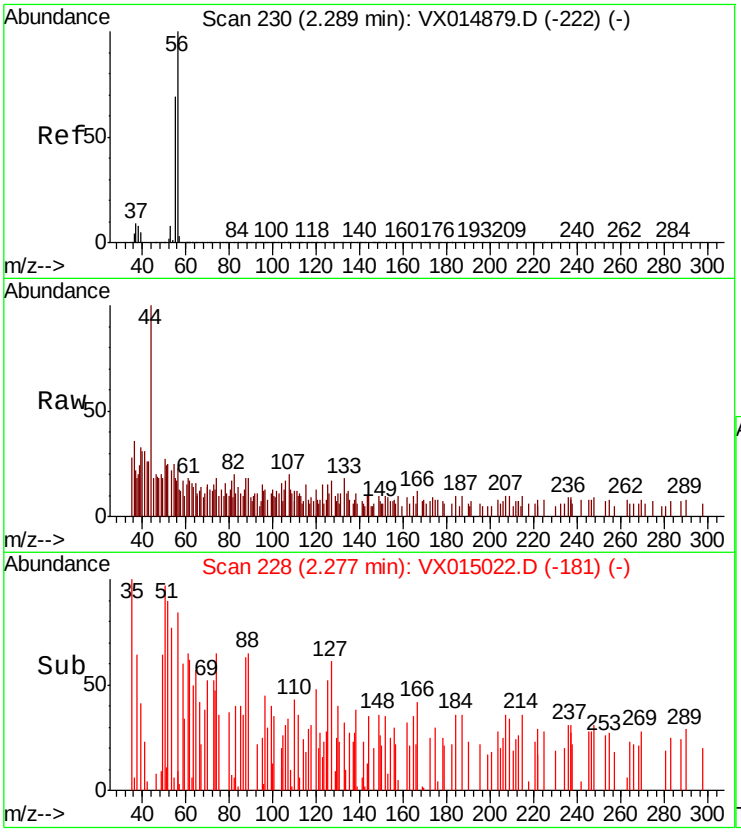




#12
1,1-Dichloroethene
Concen: 19.041 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 96 Resp: 73485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.7 | 129.5 | 194.3 |
| 98 | 61.2 | 50.6 | 76.0 |



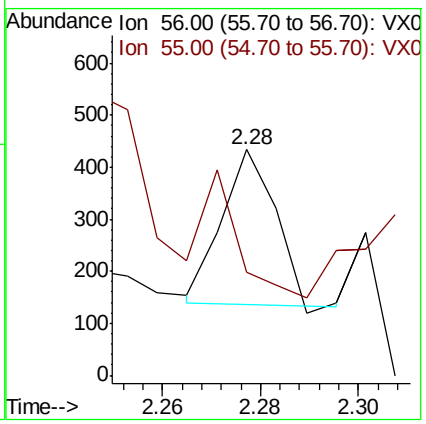


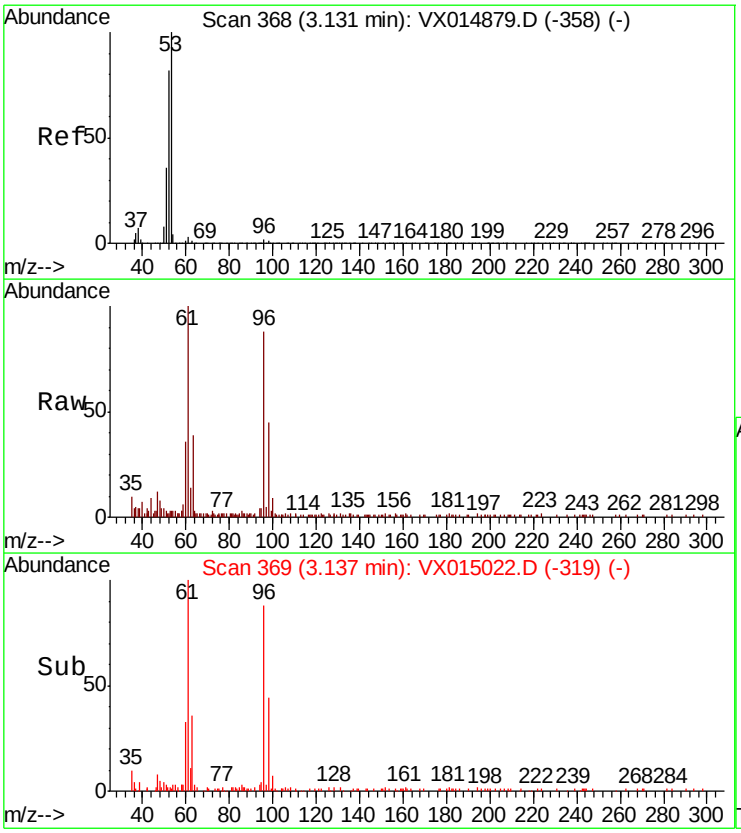

#13
Acrolein
Concen: 0.350 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 56 Resp: 224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 55.0 | 82.4# |

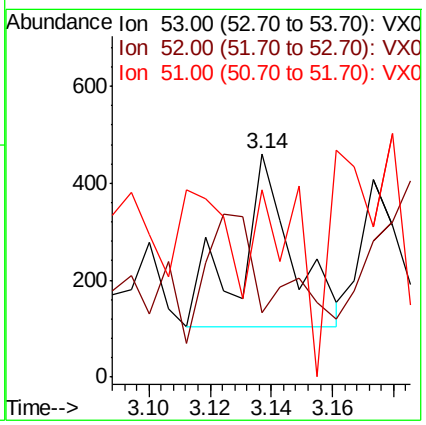


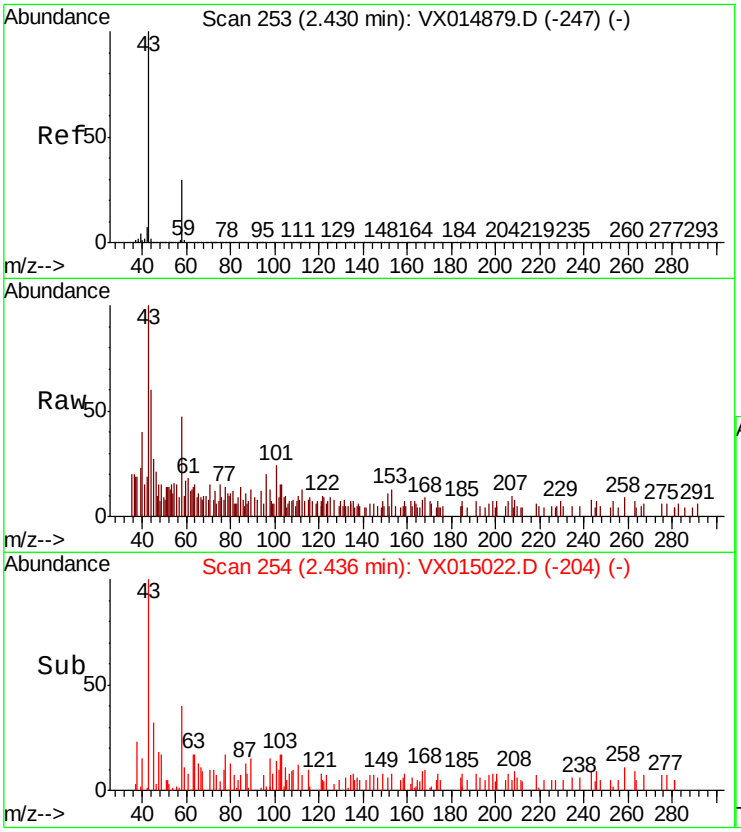




#15
Acrylonitrile
Concen: 0.201 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 53 Resp: 427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 0.0 | 65.8 | 98.6# |
| 51 | 87.4 | 29.1 | 43.7# |



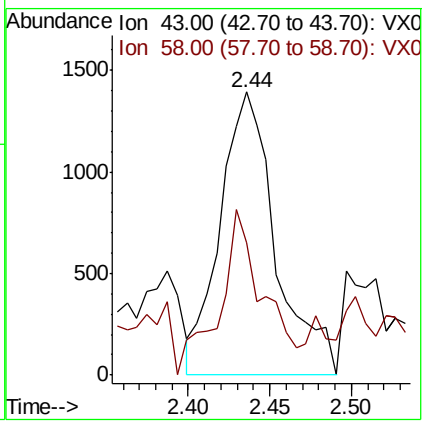


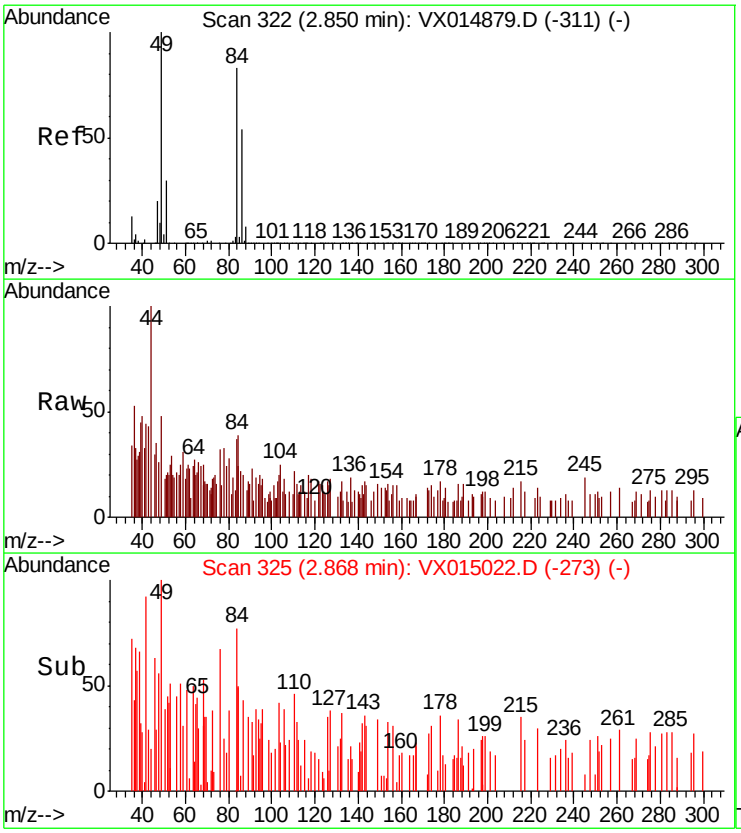

#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 43 Resp: 3316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.6 | 24.1 | 36.1 |

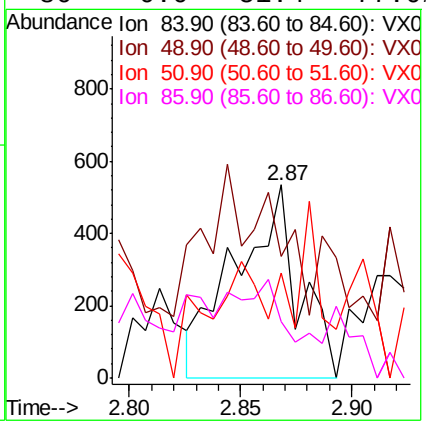


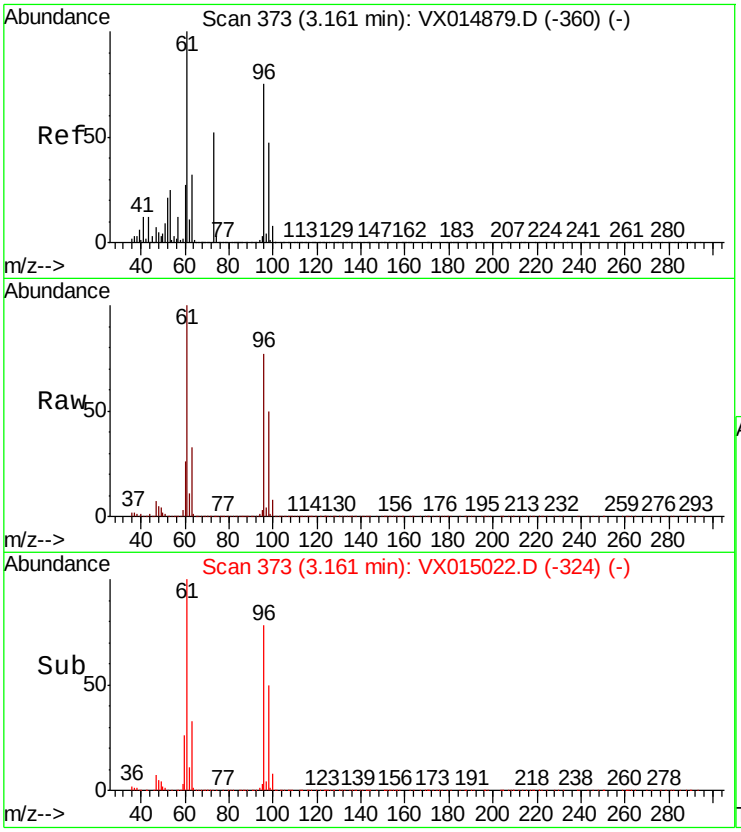




#20
Methylene Chloride
Concen: 0.230 ug/l
RT: 2.87 min Scan# 325
Delta R.T. 0.02 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 84 Resp: 1050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 0.3 | 95.6 | 143.4# |
| 51 | 22.5 | 29.0 | 43.6# |
| 86 | 0.0 | 51.4 | 77.0# |



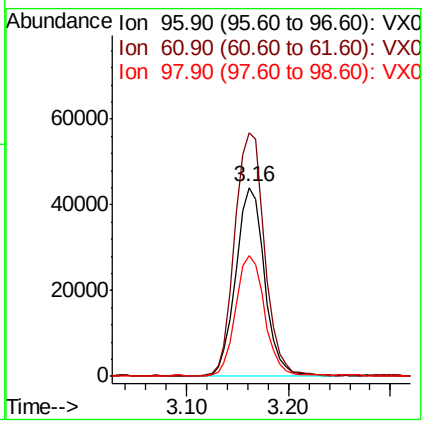


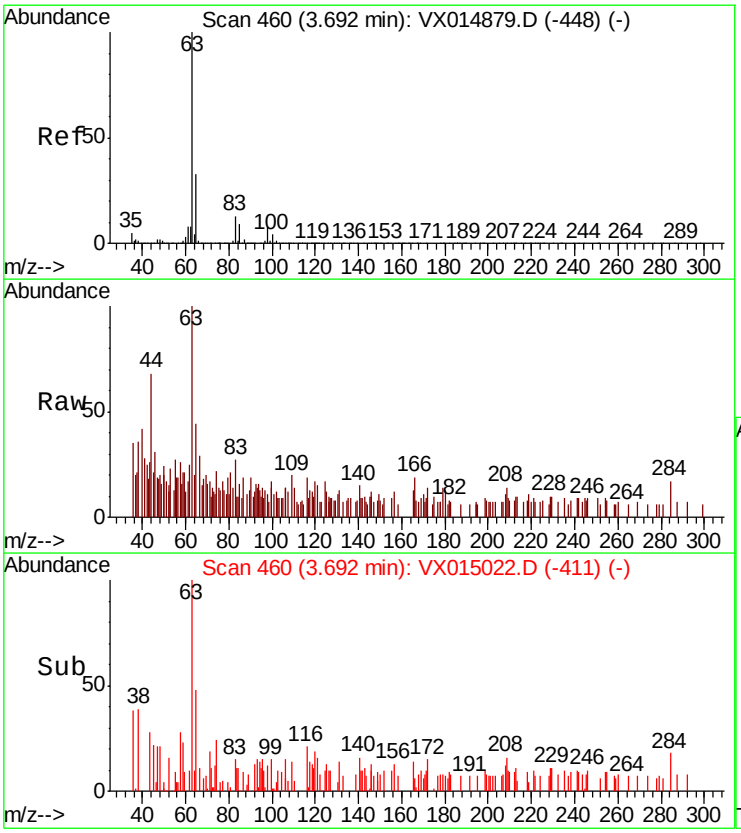

#21
trans-1,2-Dichloroethene
Concen: 20.283 ug/l
RT: 3.16 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 96 Resp: 86374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 128.6 | 106.9 | 160.3 |
| 98 | 64.0 | 50.7 | 76.1 |

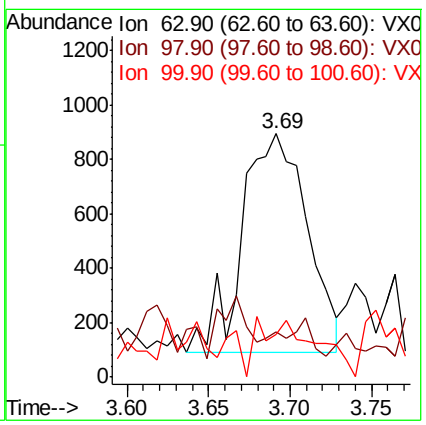


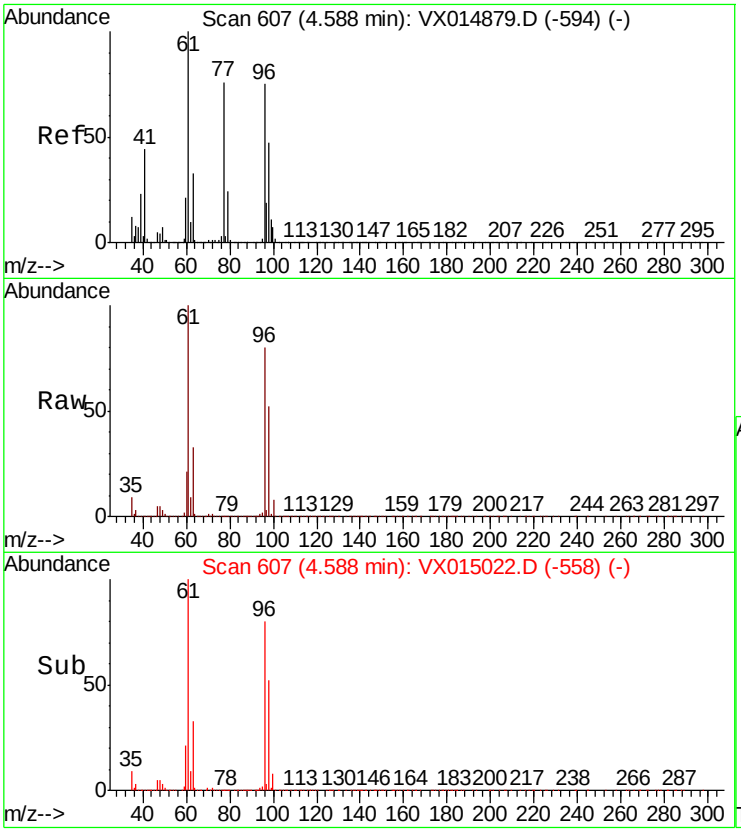




#24
1,1-Dichloroethane
Concen: 0.304 ug/l
RT: 3.69 min Scan# 460
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 63 Resp: 2242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.0 | 3.9 | 11.5 |
| 100 | 0.0 | 2.2 | 6.6# |



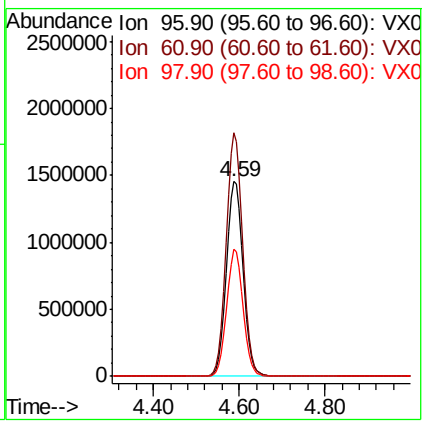


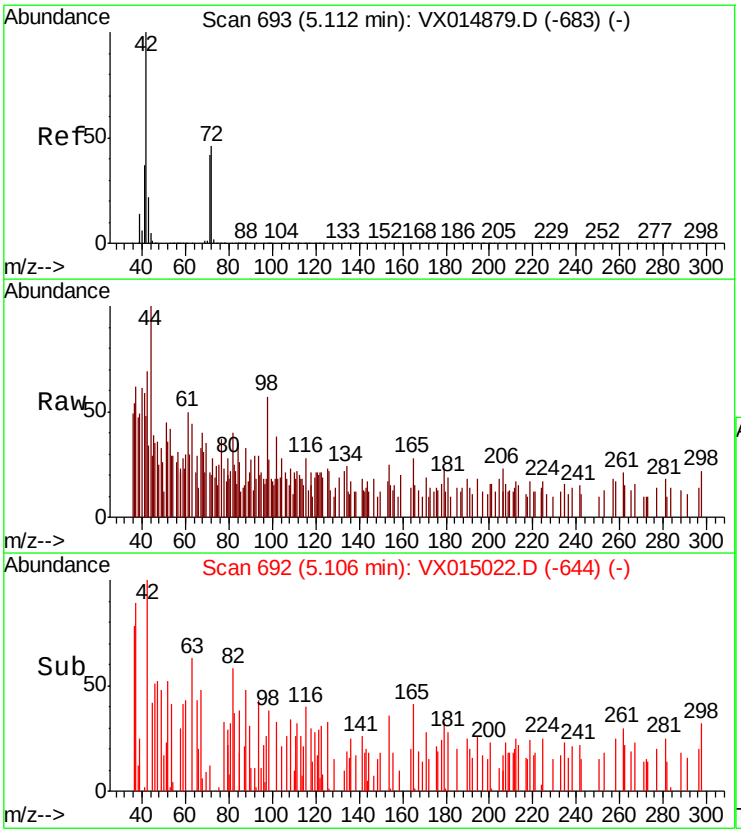

#27
cis-1,2-Dichloroethene
Concen: 843.114 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 96 Resp: 4013449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 123.0 | 0.0 | 286.2 |
| 98 | 64.3 | 0.0 | 131.0 |

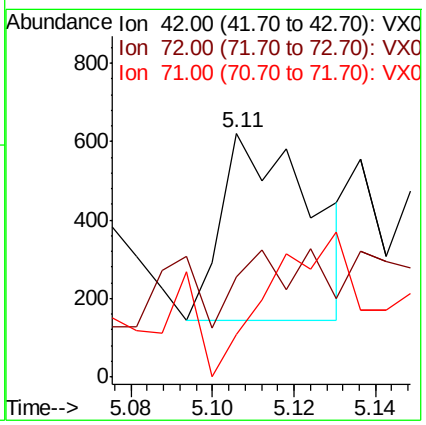


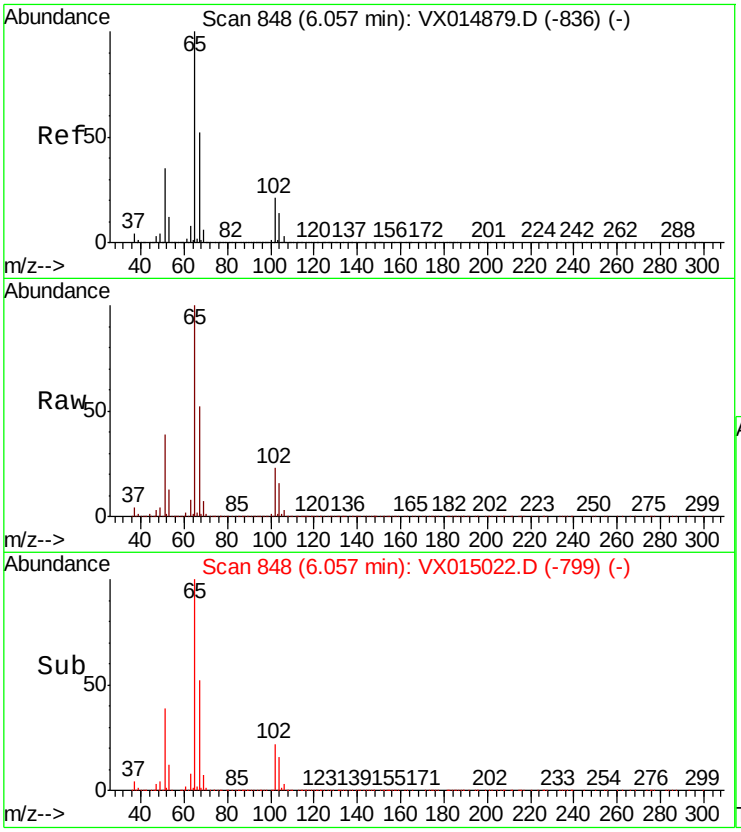




#29
Tetrahydrofuran
Concen: 0.395 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 42 Resp: 727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 21.3 | 36.9 | 55.3# |
| 71 | 0.0 | 34.1 | 51.1# |



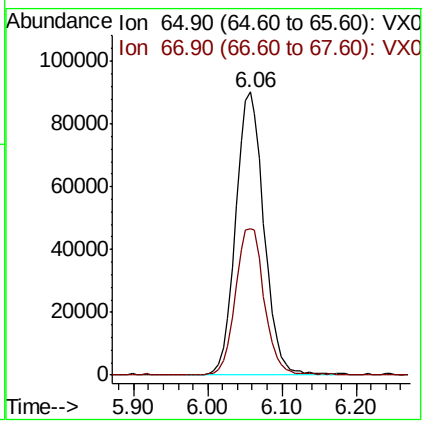


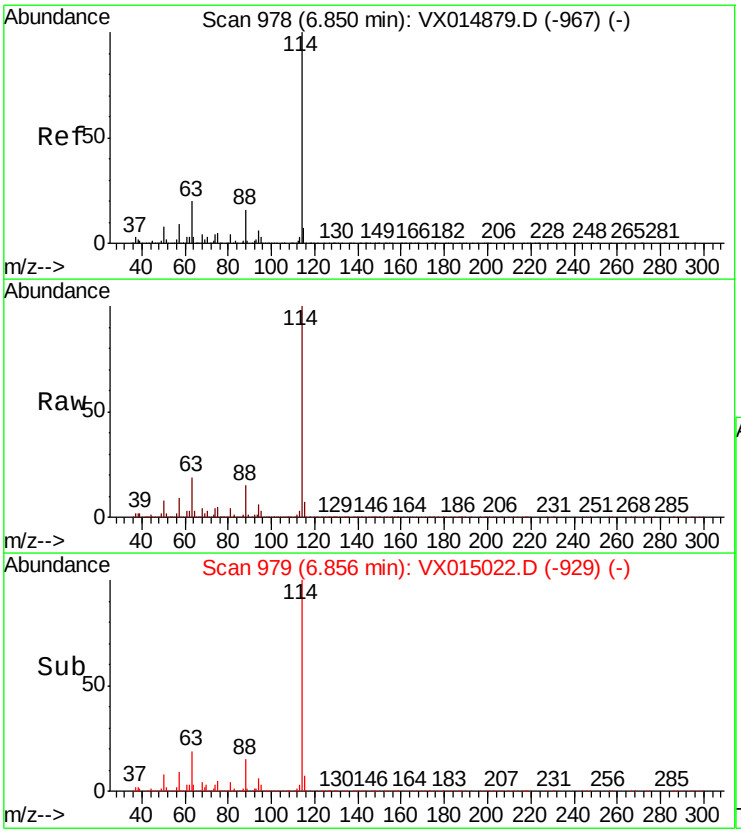

#33
1,2-Dichloroethane-d4
Concen: 50.145 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 65 Resp: 238283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 103.0 |

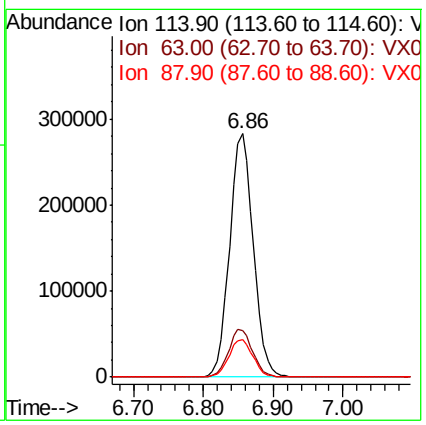


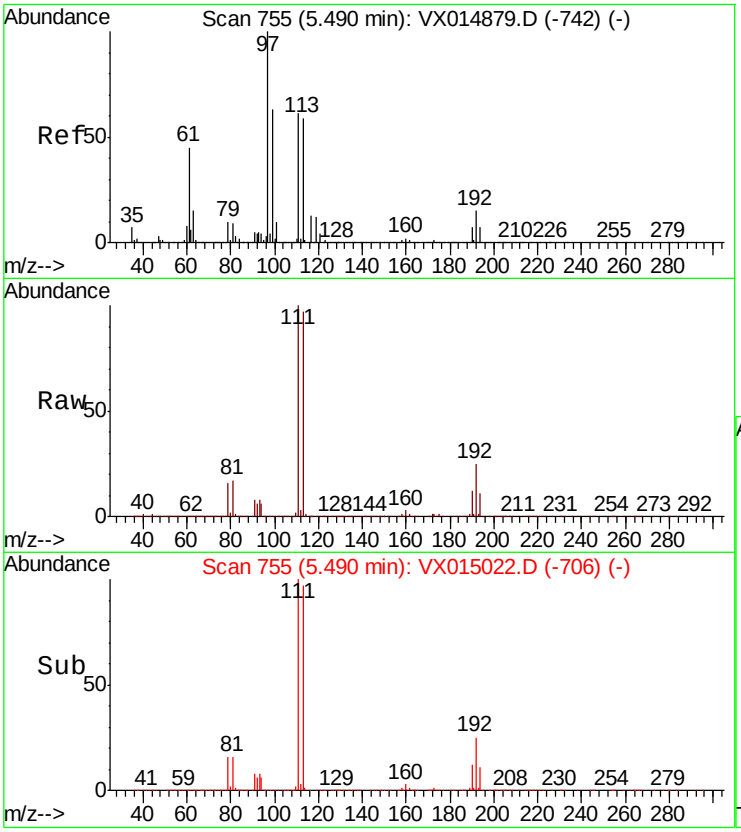




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 979
Delta R.T. 0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion:114 Resp: 666392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 39.2 |
| 88 | 15.3 | 0.0 | 32.0 |



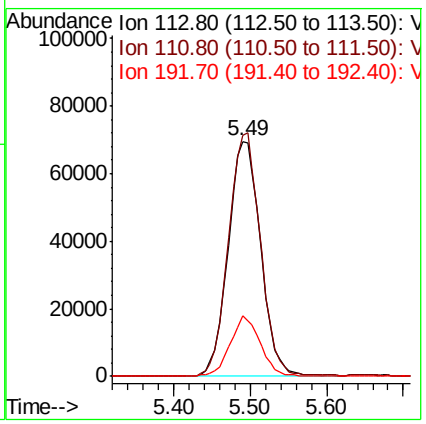


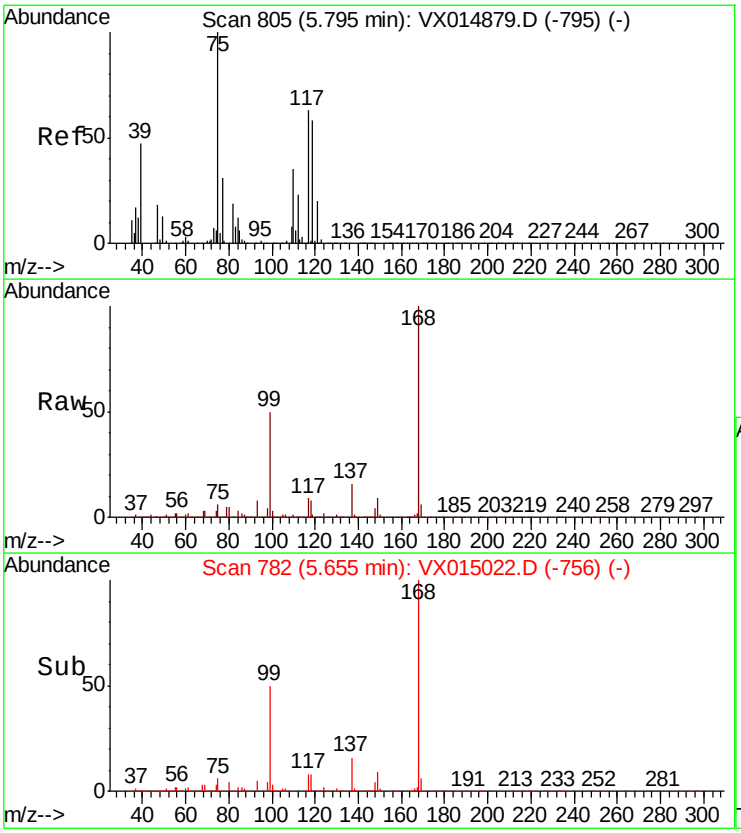

#35
Dibromofluoromethane
Concen: 50.001 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion:113 Resp: 204846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.4 | 82.4 | 123.6 |
| 192 | 23.8 | 19.1 | 28.7 |

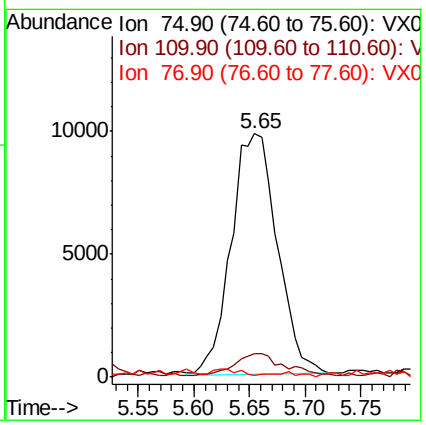


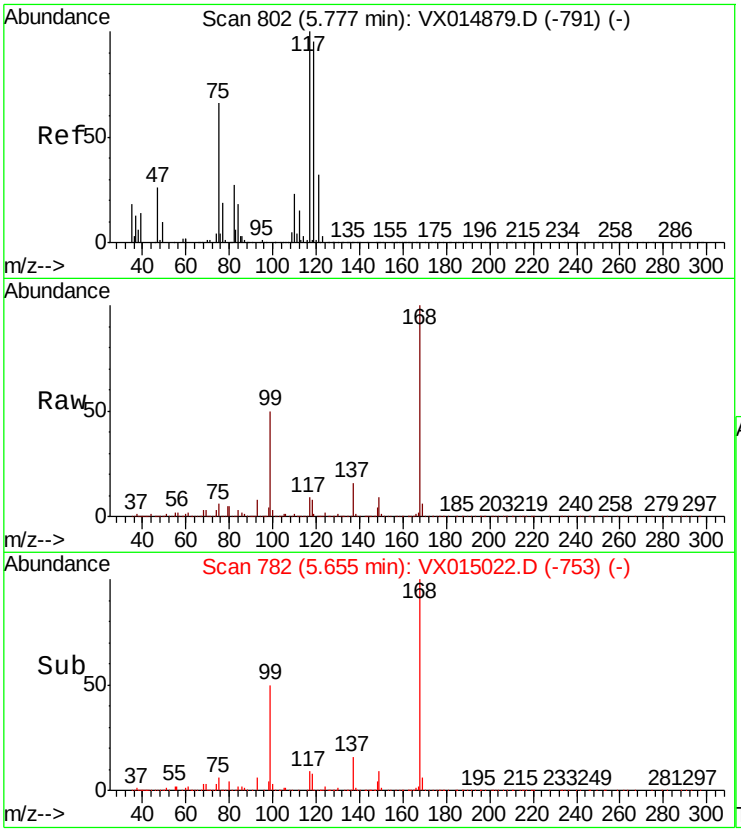




#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.14 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 75 Resp: 28335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.4 | 18.3 | 54.8# |
| 77 | 0.0 | 24.6 | 36.8# |



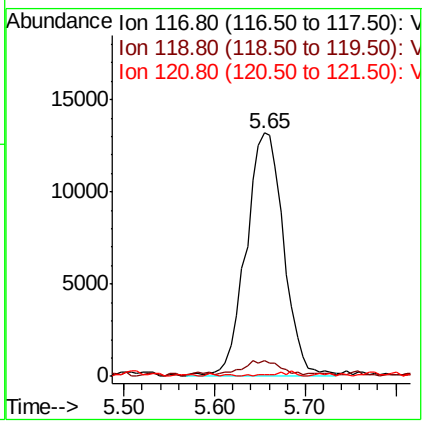


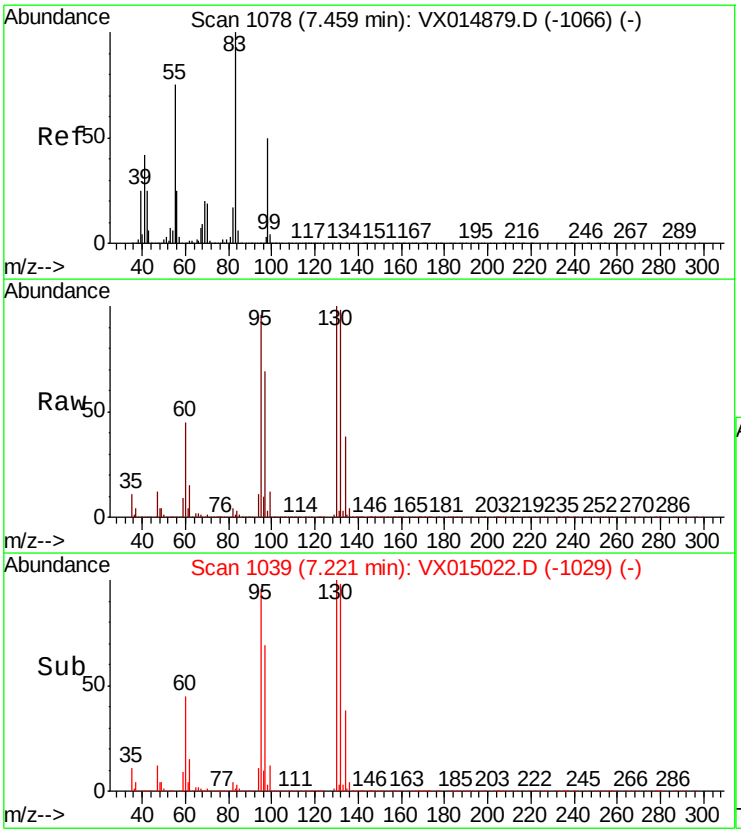

#38
Carbon Tetrachloride
Concen: 6.529 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion:117 Resp: 37927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 76.0 | 114.0# |
| 121 | 0.0 | 25.4 | 38.2# |

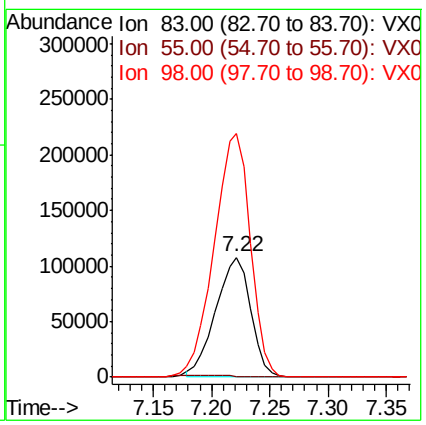


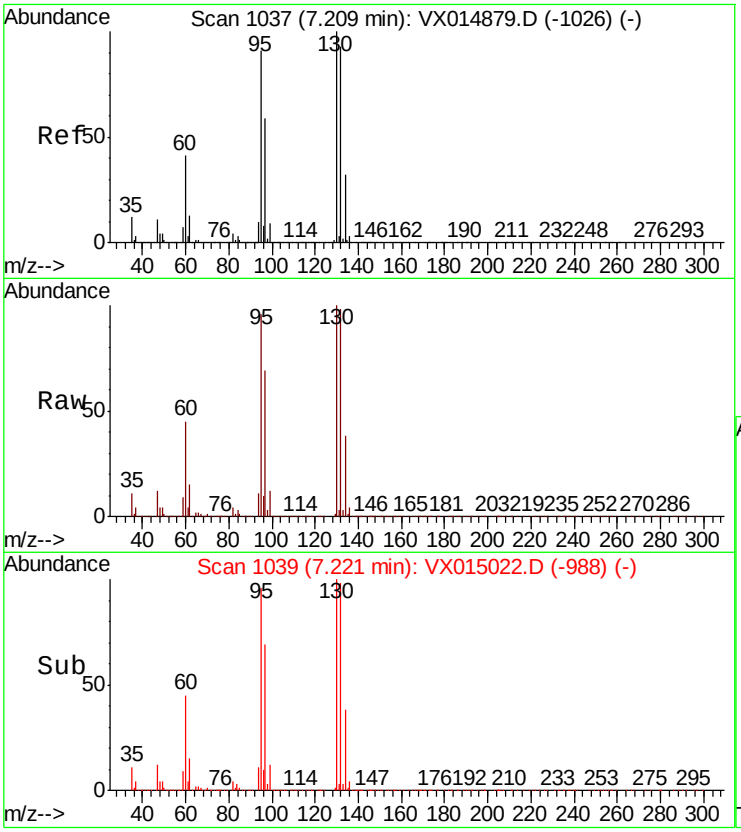




#39
Methylcyclohexane
Concen: 29.969 ug/l
RT: 7.22 min Scan# 1039
Delta R.T. -0.24 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 83 Resp: 223422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.3 | 60.0 | 90.0# |
| 98 | 203.8 | 39.6 | 59.4# |



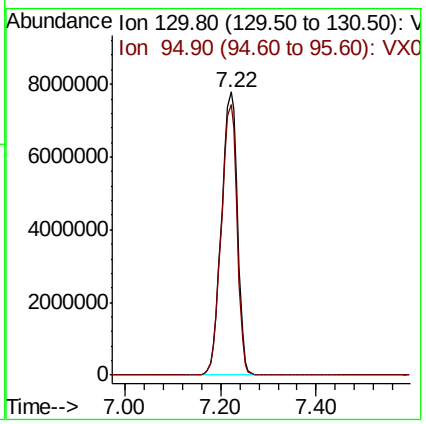


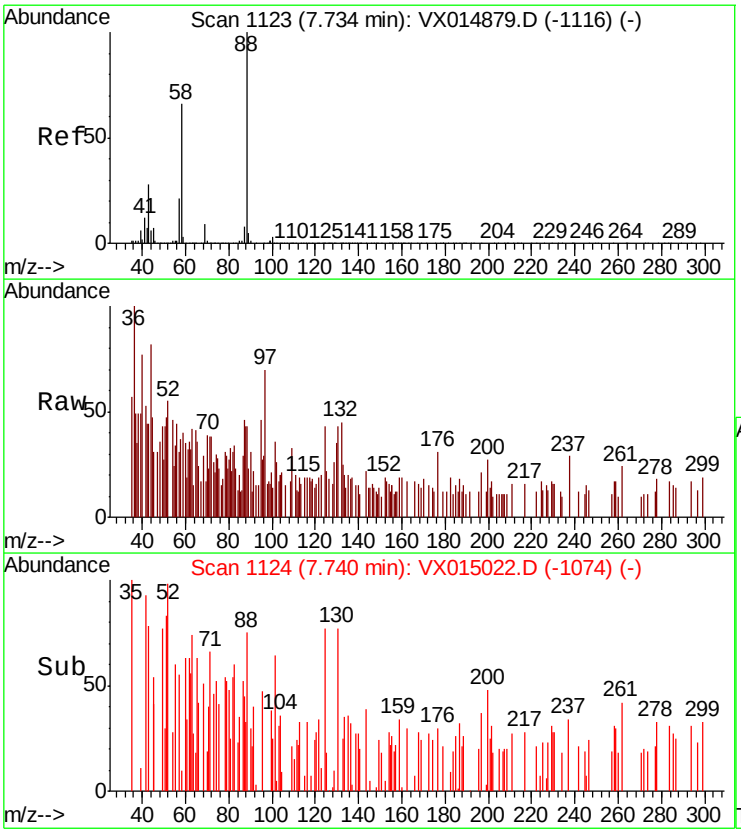

#44
Trichloroethene
Concen: 3489.123 ug/l
RT: 7.22 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion:130 Resp:18040179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.7 | 0.0 | 182.6 |

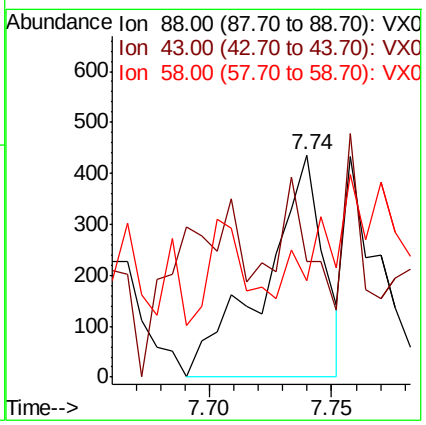


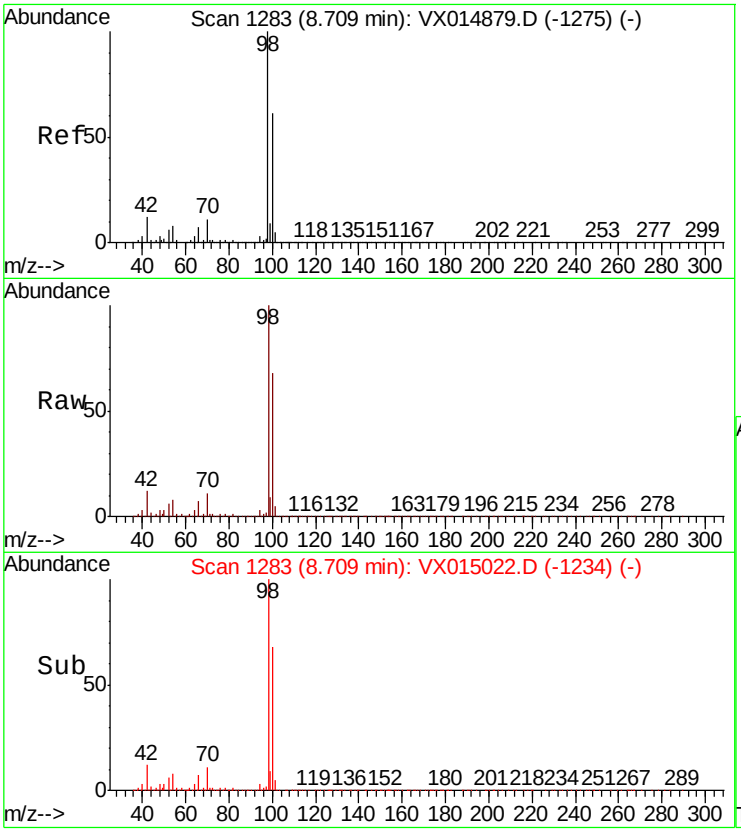




#49
1,4-Dioxane
Concen: 7.693 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 88 Resp: 726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 22.9 | 27.0 | 40.4# |
| 58 | 0.0 | 53.2 | 79.8# |



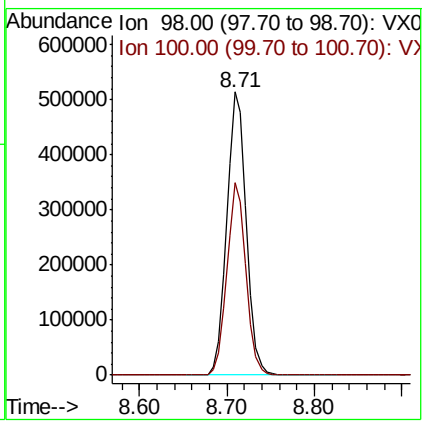


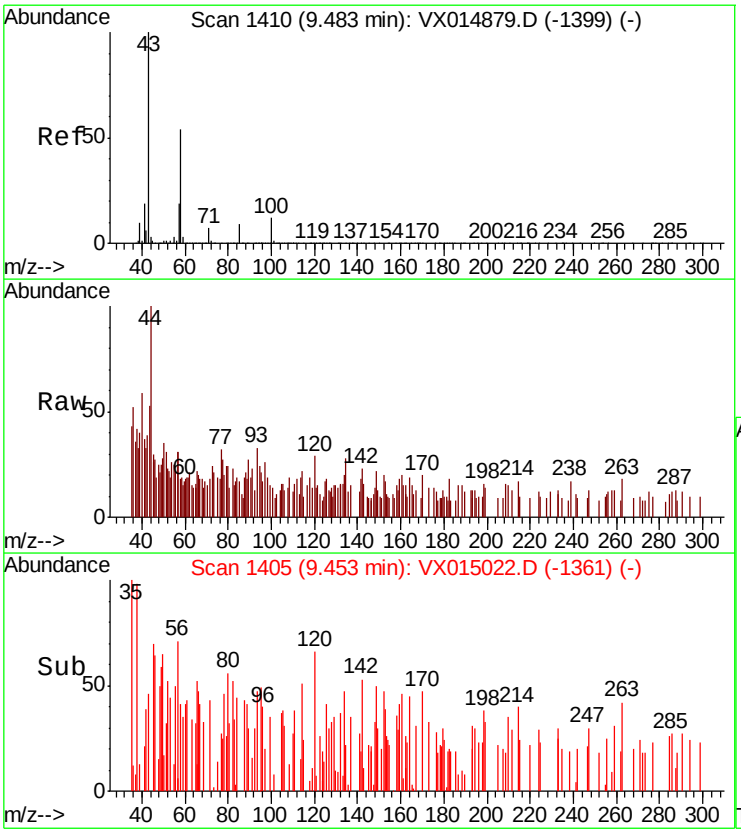

#50
Toluene-d8
Concen: 50.819 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 98 Resp: 794706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 52.4 | 78.6 |

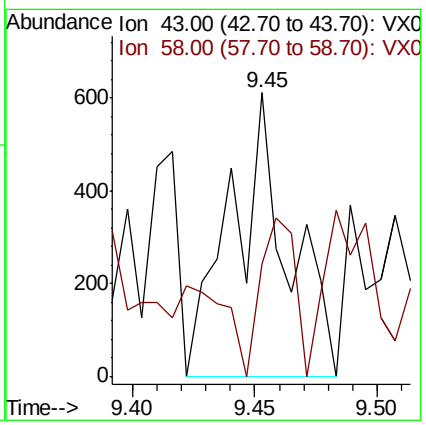


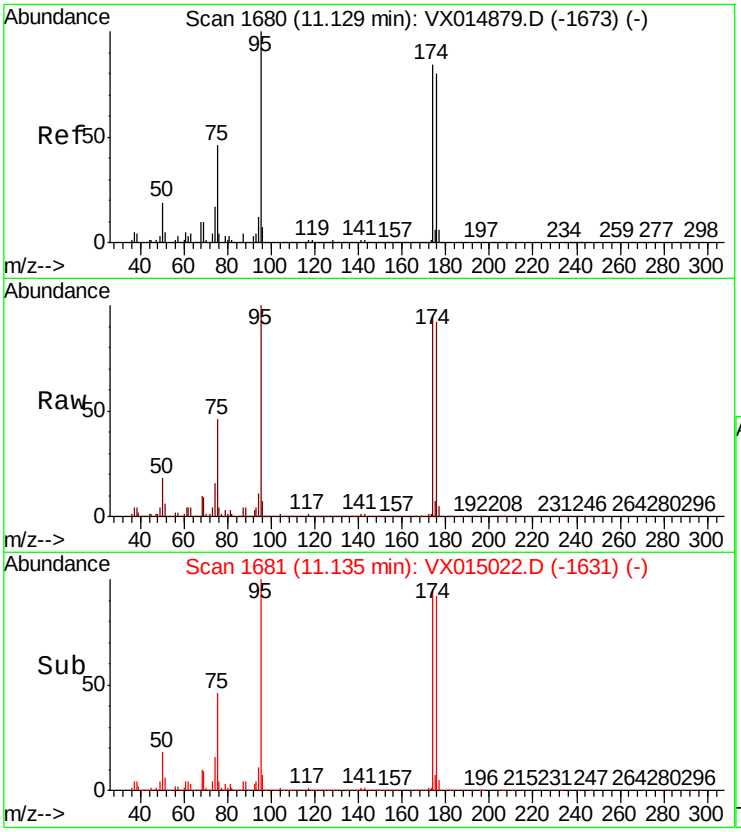




#59
2-Hexanone
Concen: 0.203 ug/l
RT: 9.45 min Scan# 1405
Delta R.T. -0.03 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 43 Resp: 989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.0 | 27.5 | 82.5 |



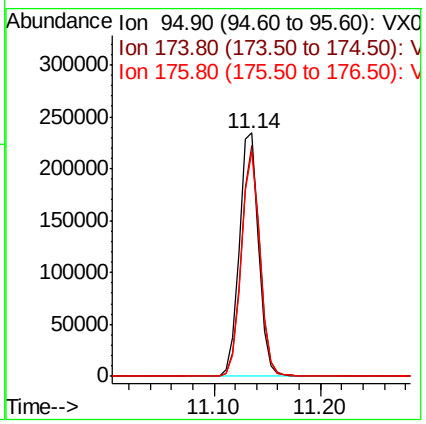


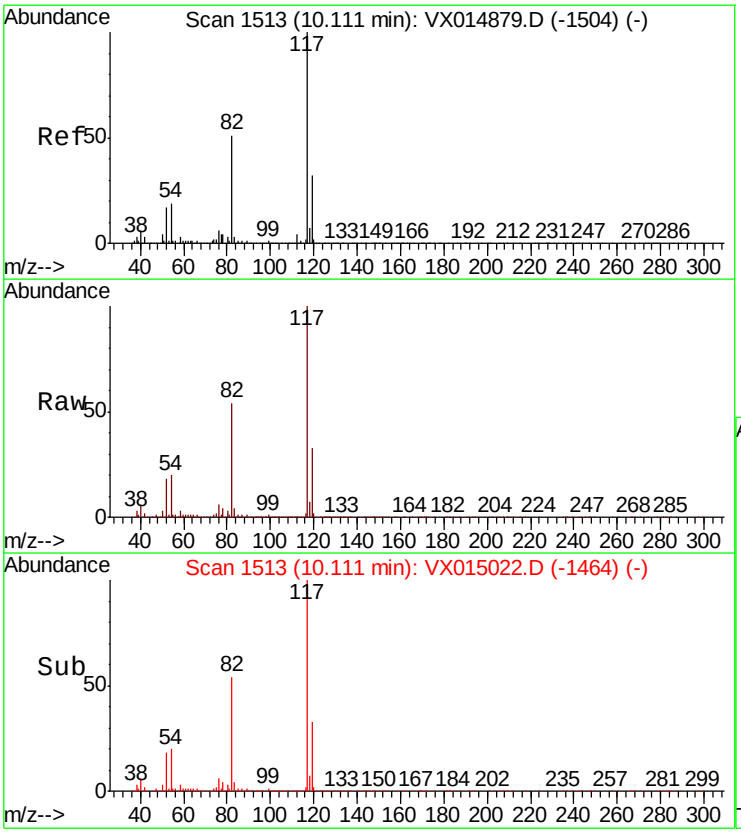

#62
4-Bromofluorobenzene
Concen: 53.135 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 95 Resp: 299325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 90.9 | 0.0 | 183.0 |
| 176 | 88.5 | 0.0 | 178.0 |

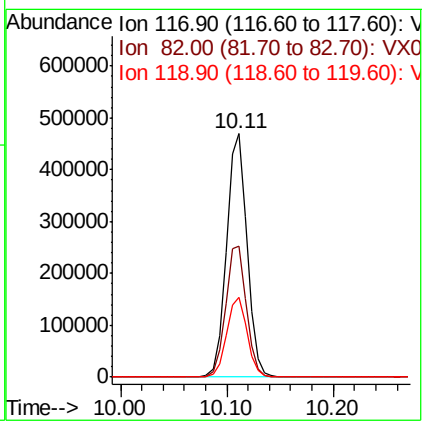


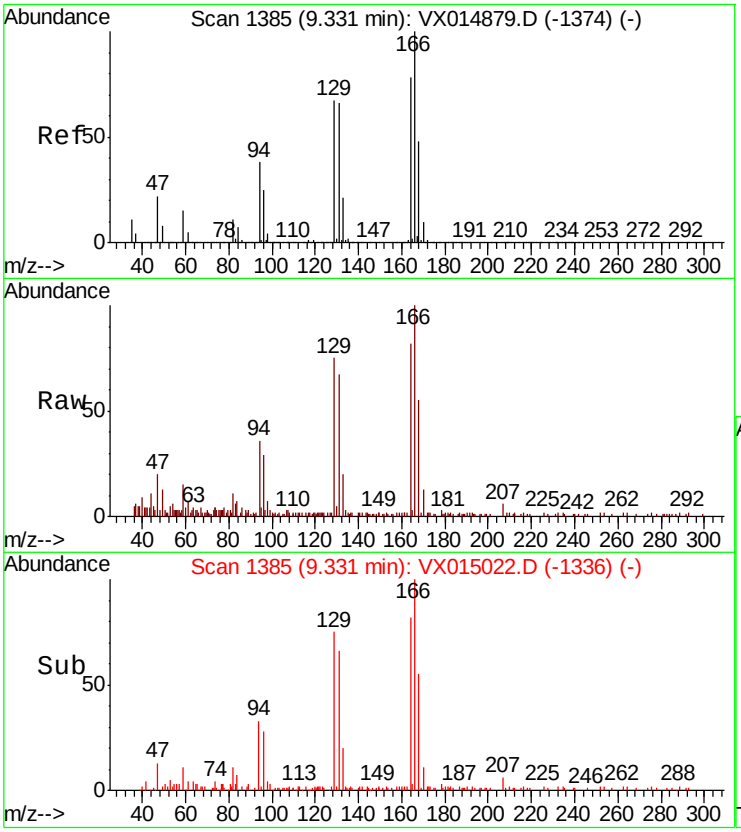




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion:117 Resp: 633227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.6 | 40.5 | 60.7 |
| 119 | 32.6 | 25.8 | 38.6 |



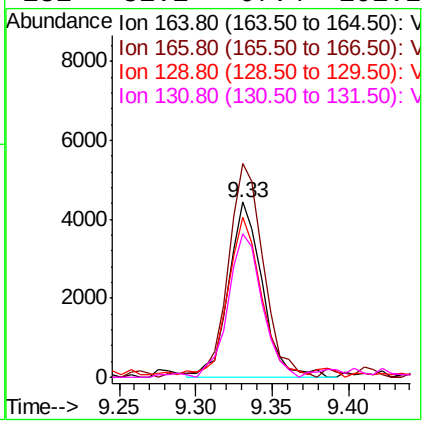


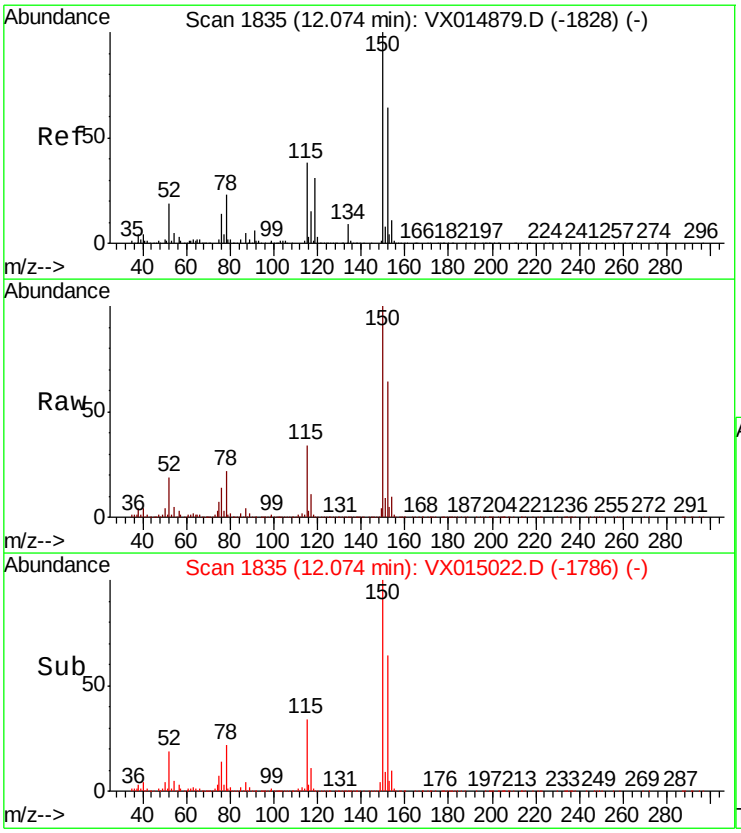

#64
Tetrachloroethene
Concen: 1.147 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion:164 Resp: 6788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.0 | 102.6 | 153.8 |
| 129 | 88.3 | 68.3 | 102.5 |
| 131 | 81.1 | 67.4 | 101.2 |

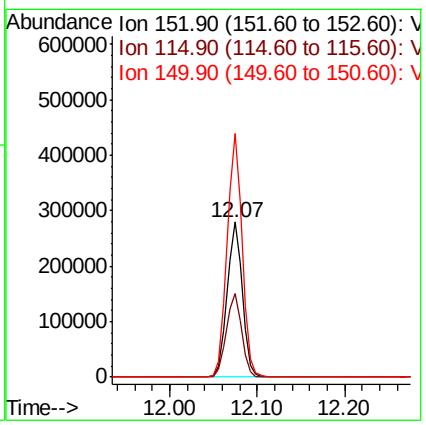


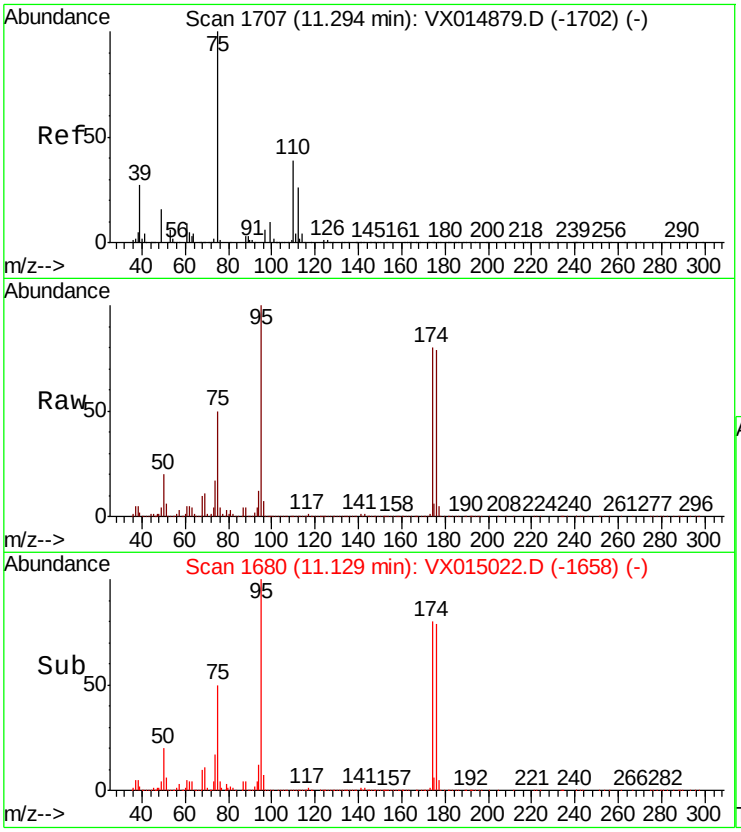




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion:152 Resp: 337966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.0 | 38.6 | 116.0 |
| 150 | 155.2 | 0.0 | 349.0 |



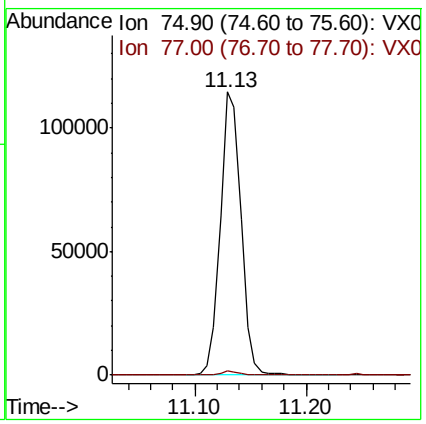


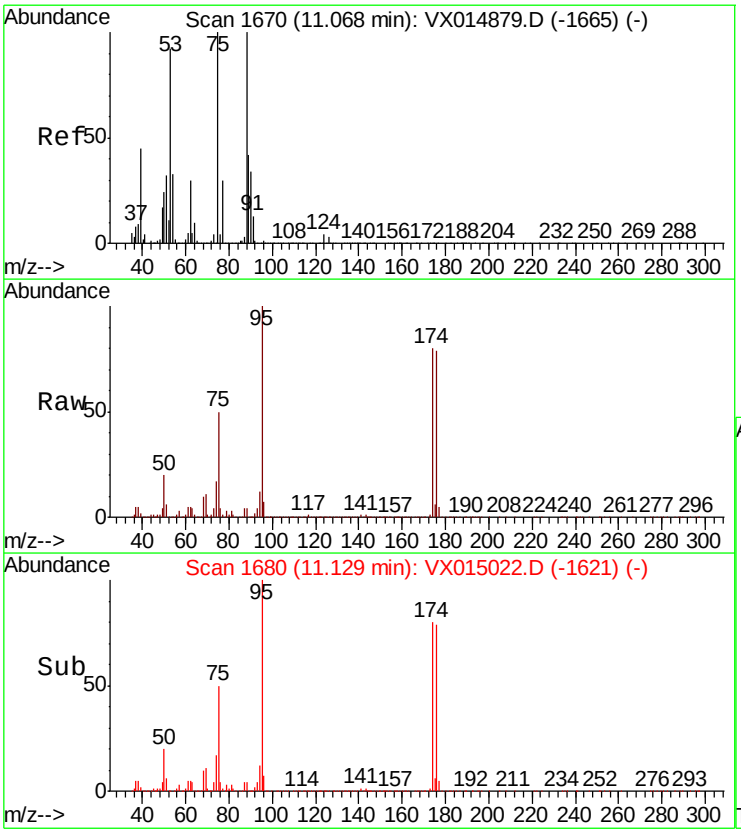

#76
1,2,3-Trichloropropane
Concen: 24.089 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 75 Resp: 147218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 18.4 | 55.0# |

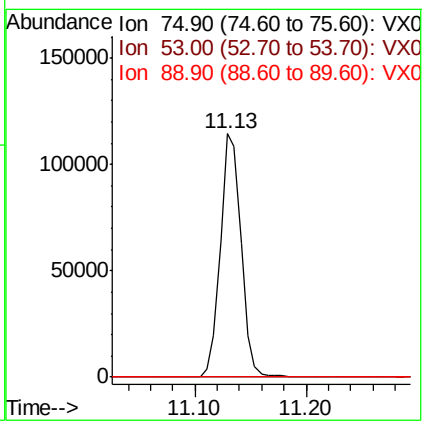


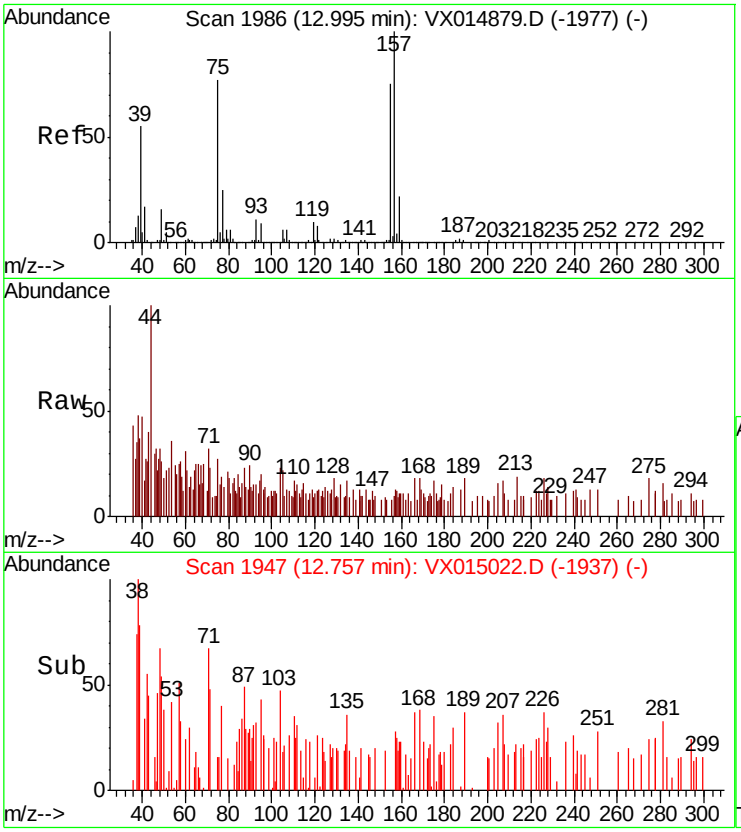




#81
trans-1,4-Dichloro-2-butene
Concen: 61.660 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

Tgt Ion: 75 Resp: 147218

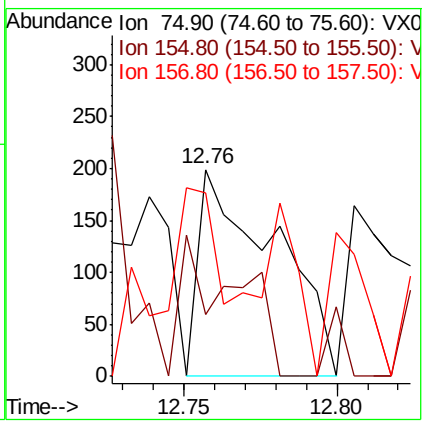
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 76.2 | 114.2# |
| 89 | 0.0 | 35.8 | 53.6# |






#92
1,2-Dibromo-3-Chloropropane
Concen: 0.212 ug/l
RT: 12.76 min Scan# 1947
Delta R.T. -0.24 min
Lab File: VX015022.D
Acq: 26 Feb 2020 15:44

**Instrument :**
MSVOA_X
**ClientSampleId :**
INTERCEPTOR-20200225

Tgt Ion: 75 Resp: 345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 49.6 | 48.6 | 145.9 |
| 157 | 85.8 | 62.0 | 186.0 |