Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
Data File : VX011576.D
Acq On : 16 Aug 2019 13:16
Operator : JC/SP
Sample : K4351-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PH2-TB-2019-1

Quant Time: Aug 19 01:07:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 430486 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 604914 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 525374 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 264747 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 207008 | 51.85 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.70% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 180237 | 45.55 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.10% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 681366 | 55.27 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 110.54% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 238049 | 45.75 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 550 | 0.309 | ug/l # | 21 |
| 6) Chloroethane | 1.70 | 64 | 402 | 0.214 | ug/l # | 43 |
| 10) Methyl Iodide | 2.51 | 142 | 1393 | 0.257 | ug/l # | 76 |
| 11) Tert butyl alcohol | 3.03 | 59 | 346 | 0.353 | ug/l # | 1 |
| 13) Acrolein | 2.27 | 56 | 360 | 13.320 | ug/l # | 15 |
| 15) Acrylonitrile | 3.15 | 53 | 932 | 0.416 | ug/l # | 76 |
| 16) Acetone | 2.44 | 43 | 409 | 0.204 | ug/l # | 73 |
| 17) Carbon Disulfide | 2.56 | 76 | 3235 | 0.374 | ug/l # | 87 |
| 20) Methylene Chloride | 2.85 | 84 | 856 | 0.203 | ug/l # | 66 |
| 29) Tetrahydrofuran | 5.12 | 42 | 521 | 0.252 | ug/l # | 64 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 25581 | 4.946 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 37351 | 6.555 | ug/l # | 15 |
| 49) 1,4-Dioxane | 7.74 | 88 | 215 | 1.758 | ug/l # | 28 |
| 71) Bromoform | 10.85 | 173 | 71 | 3.308 | ug/l # | 28 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 108671 | 21.647 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 108671 | 57.864 | ug/l # | 11 |

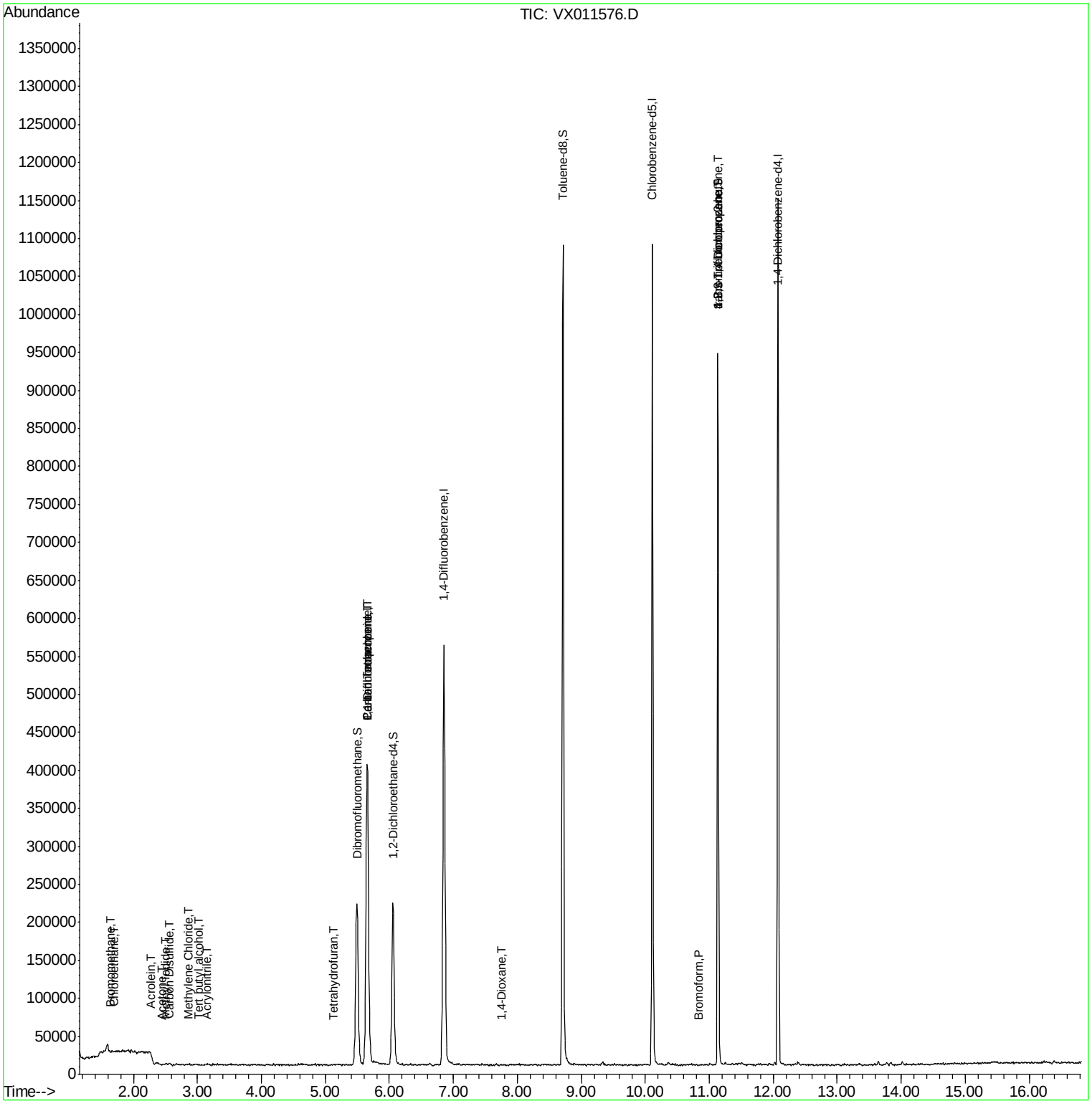
(#) = qualifier out of range (m) = manual integration (+) = signals summed

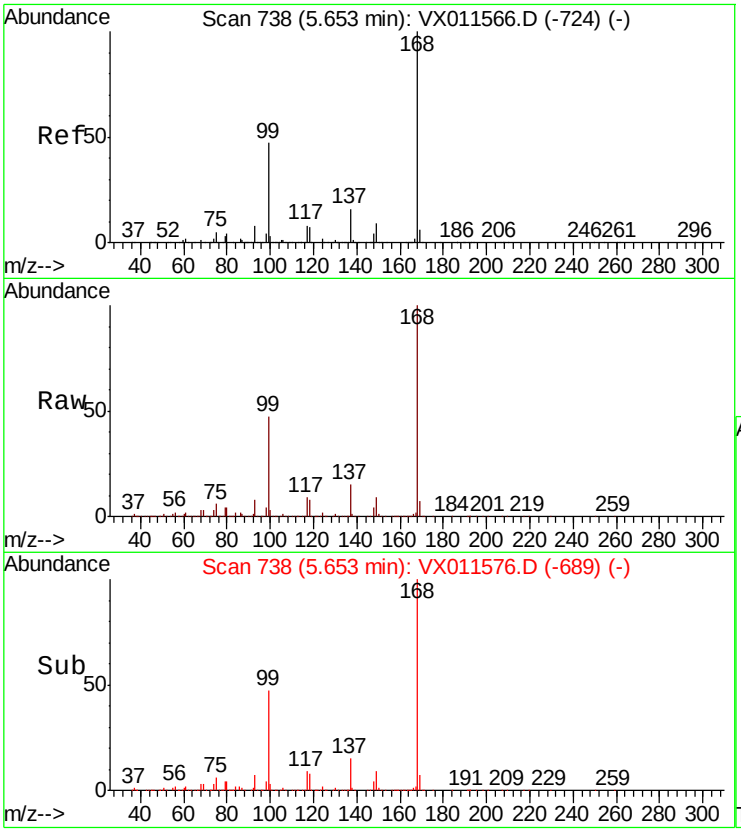
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
Data File : VX011576.D
Acq On : 16 Aug 2019 13:16
Operator : JC/SP
Sample : K4351-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Quant Time: Aug 19 01:07:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration



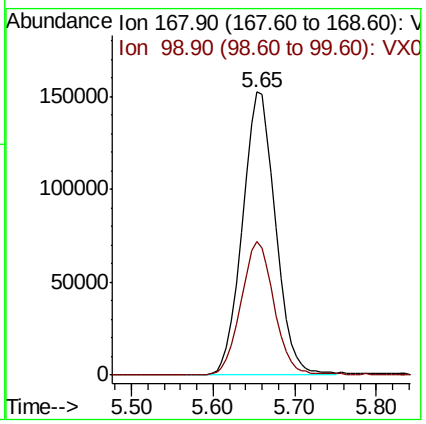


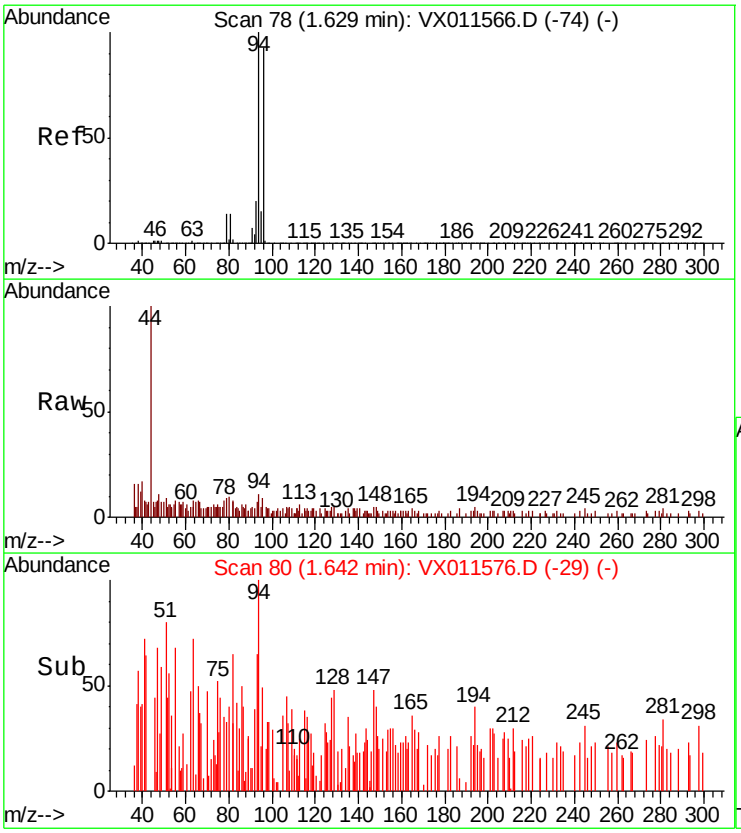

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion:168 Resp: 430486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.1 | 37.3 | 55.9 |

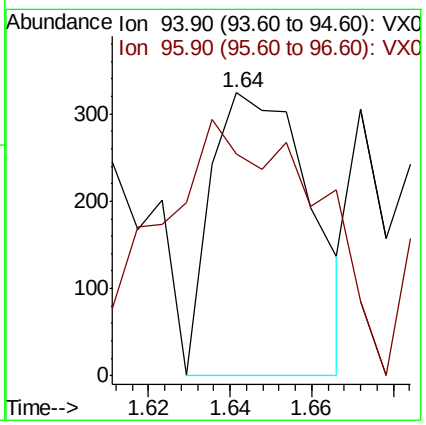


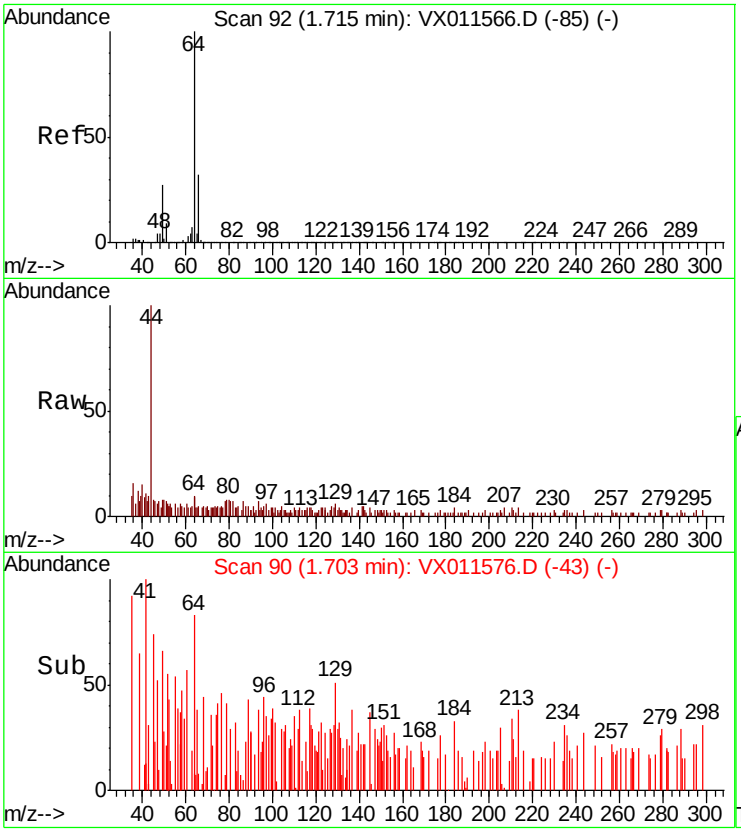




#5
Bromomethane
Concen: 0.309 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion: 94 Resp: 550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 17.0 | 74.8 | 112.2# |



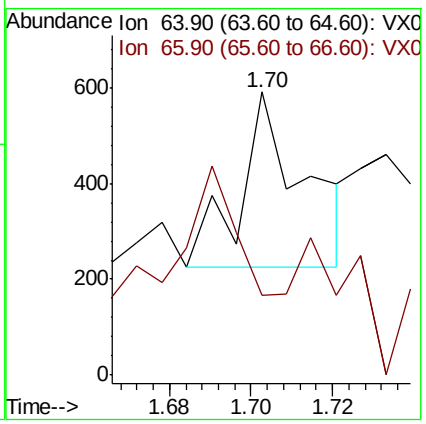


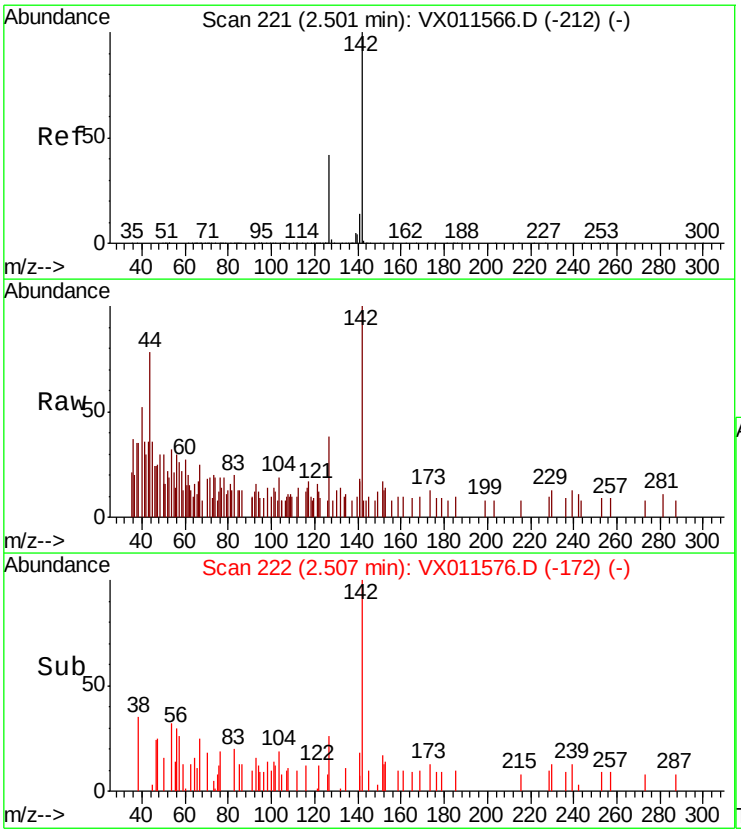

#6
Chloroethane
Concen: 0.214 ug/l
RT: 1.70 min Scan# 90
Delta R.T. -0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion: 64 Resp: 402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.3 | 37.9# |

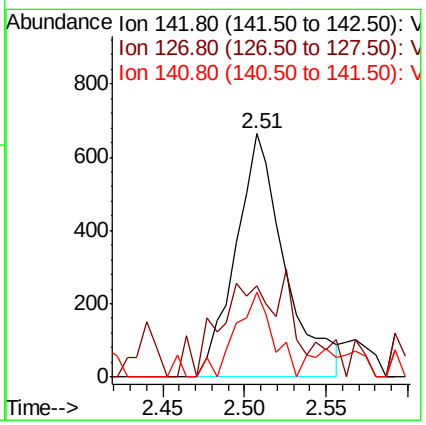


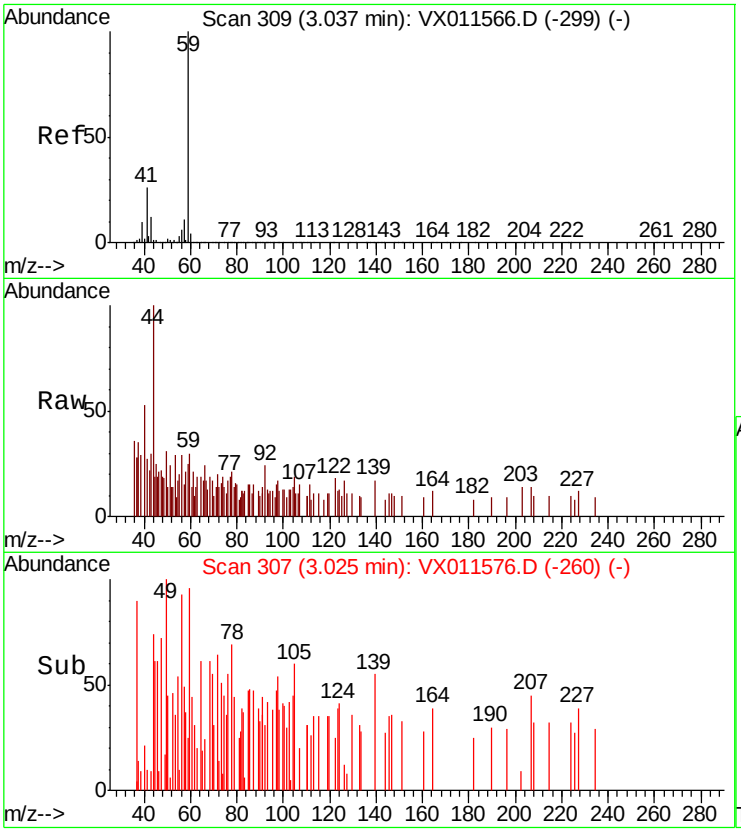




#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion:142 Resp: 1393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 55.0 | 32.8 | 49.2# |
| 141 | 26.4 | 11.4 | 17.2# |



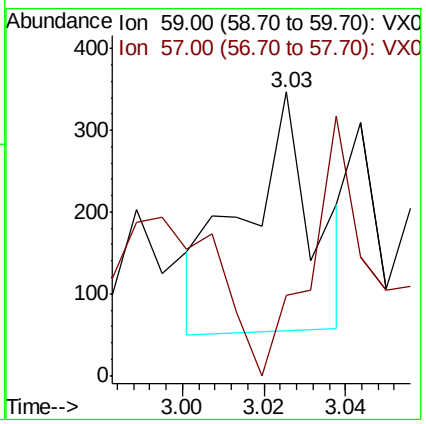


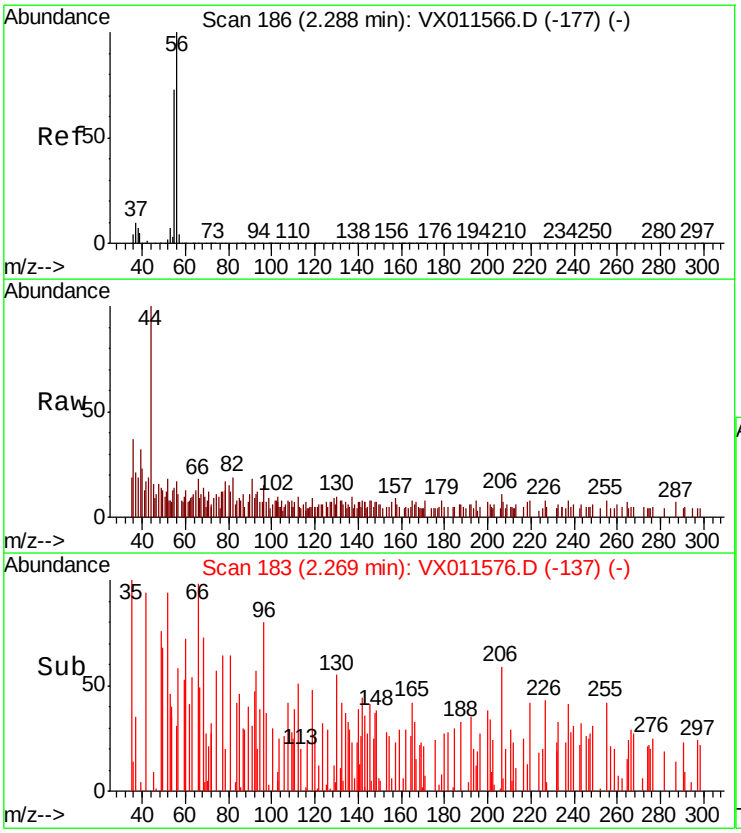

#11
Tert butyl alcohol
Concen: 0.353 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :** MSVOA_X
**ClientSampleId :** PH2-TB-2019-1

Tgt Ion: 59 Resp: 346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 115.3 | 8.7 | 13.1# |

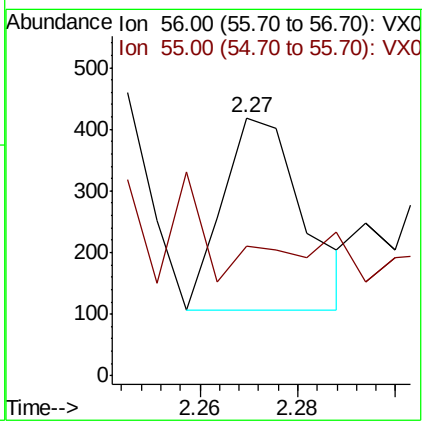


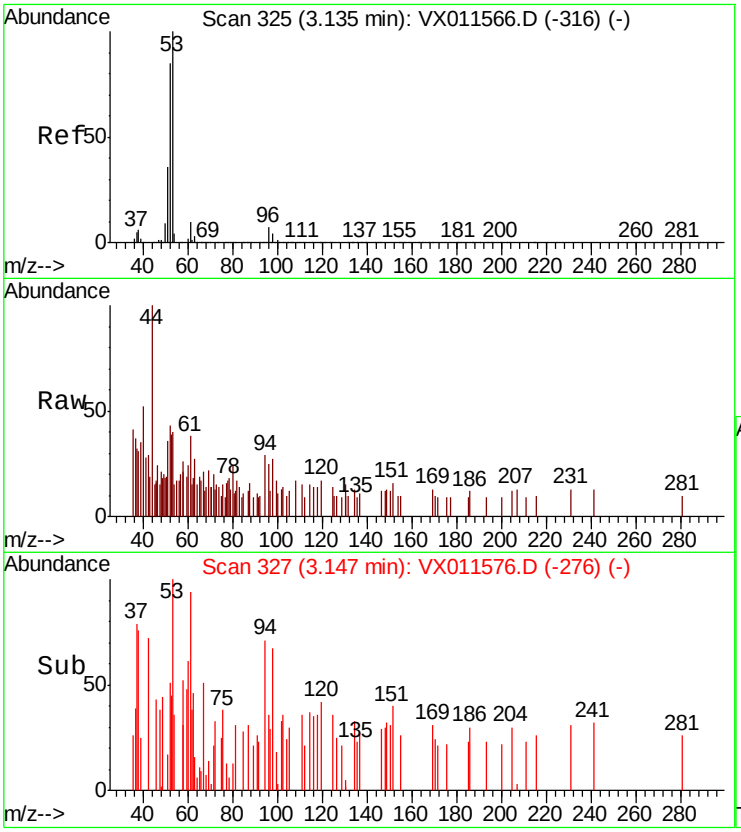




#13
Acrolein
Concen: 13.320 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion: 56 Resp: 360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 55.5 | 83.3# |



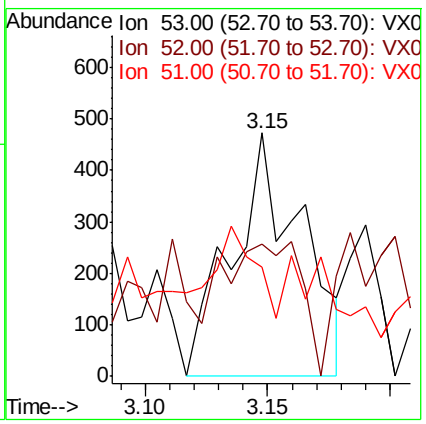


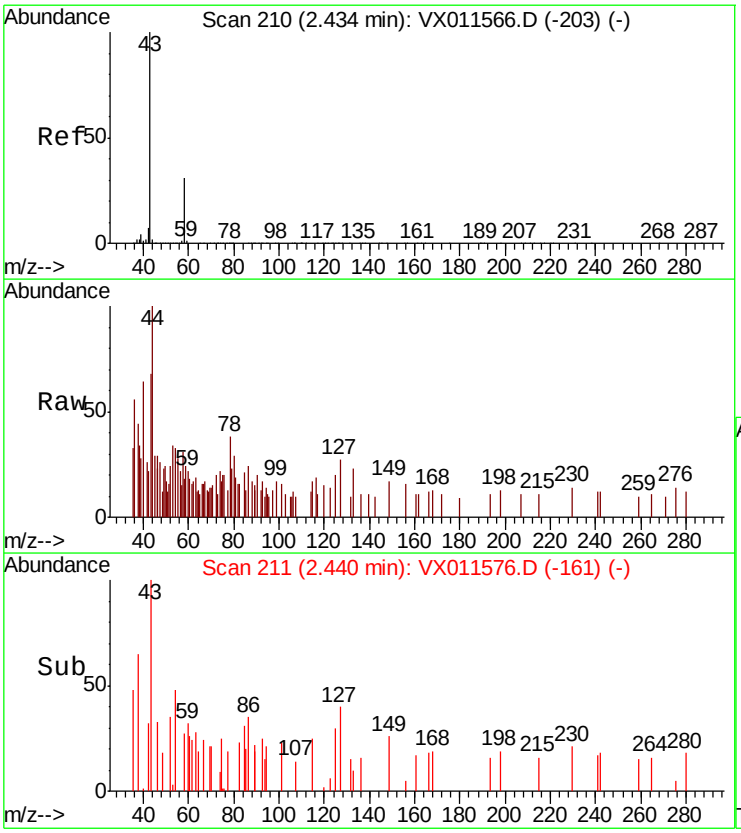

#15
Acrylonitrile
Concen: 0.416 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion: 53 Resp: 932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 62.0 | 66.7 | 100.1# |
| 51 | 21.5 | 28.7 | 43.1# |

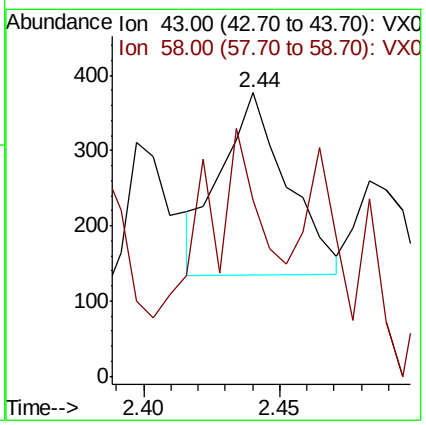


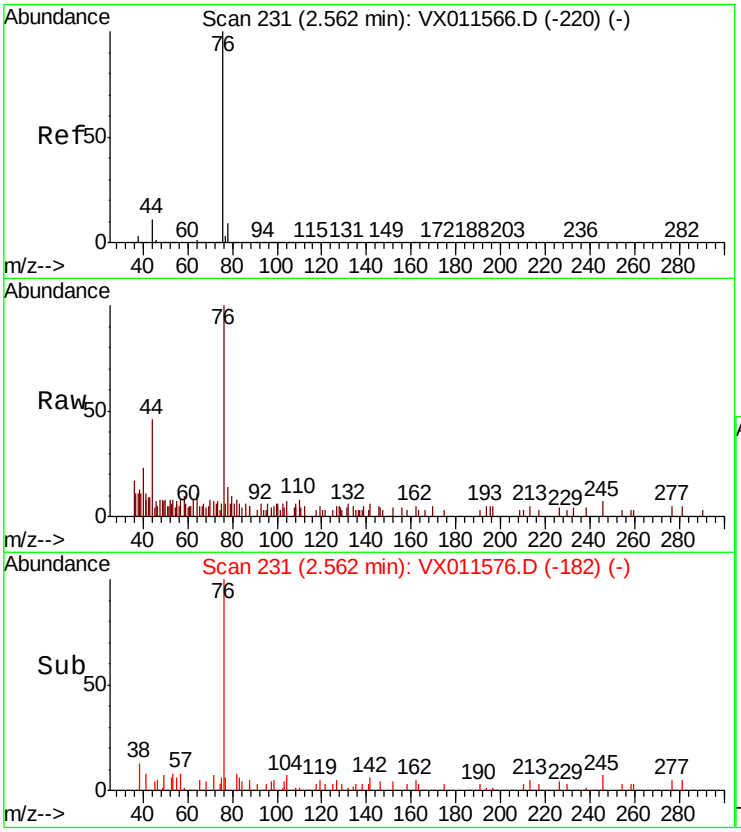




#16
Acetone
Concen: 0.204 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion: 43 Resp: 409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 46.5 | 25.2 | 37.8# |



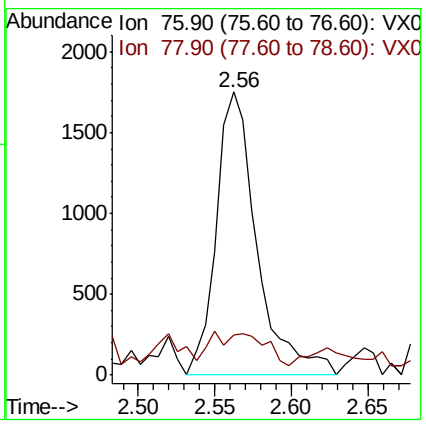


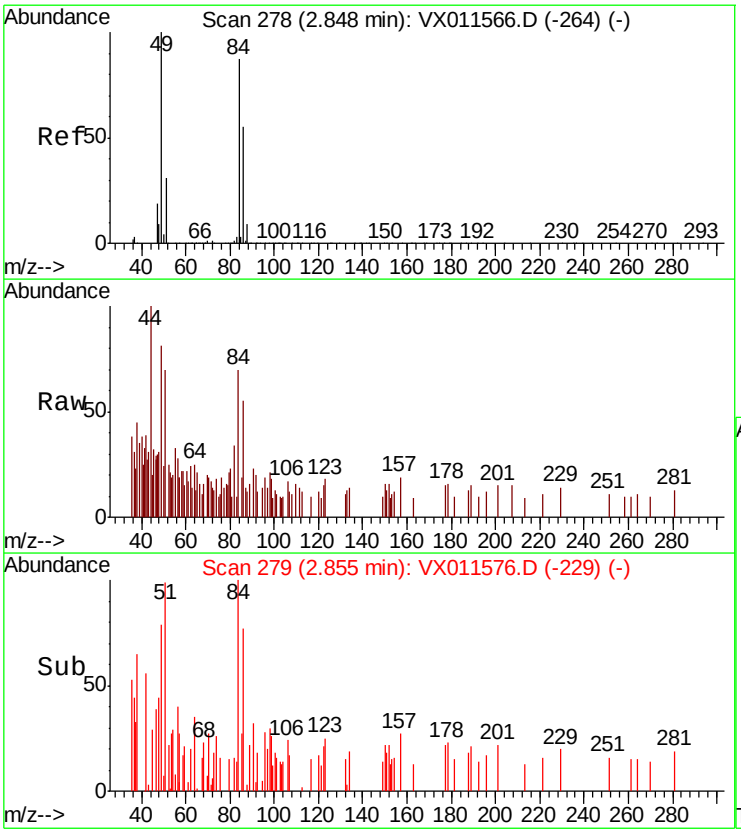

#17
Carbon Disulfide
Concen: 0.374 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion: 76 Resp: 3235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 4.5 | 7.2 | 10.8# |

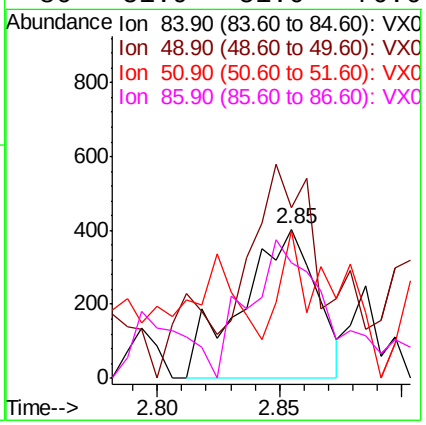


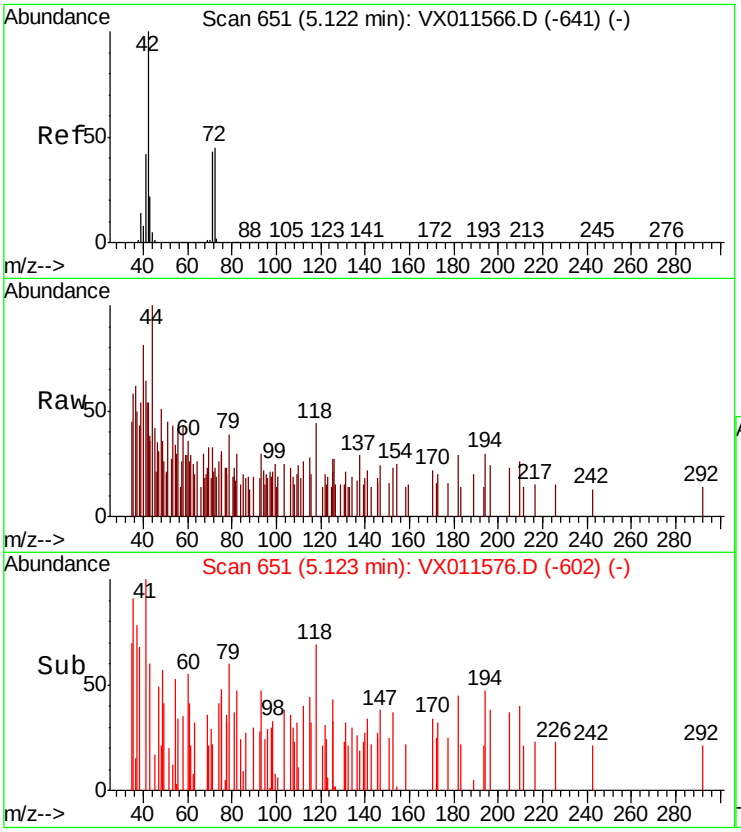




#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion: 84 Resp: 856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 61.0 | 92.4 | 138.6# |
| 51 | 45.9 | 28.5 | 42.7# |
| 86 | 51.9 | 51.0 | 76.6 |



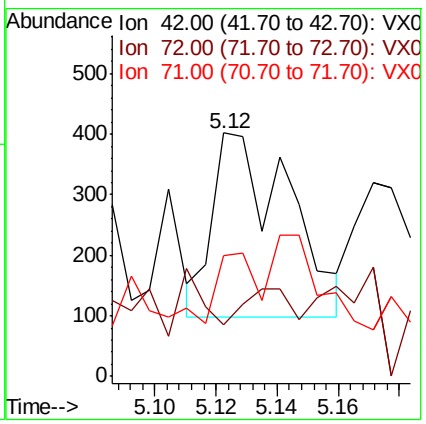


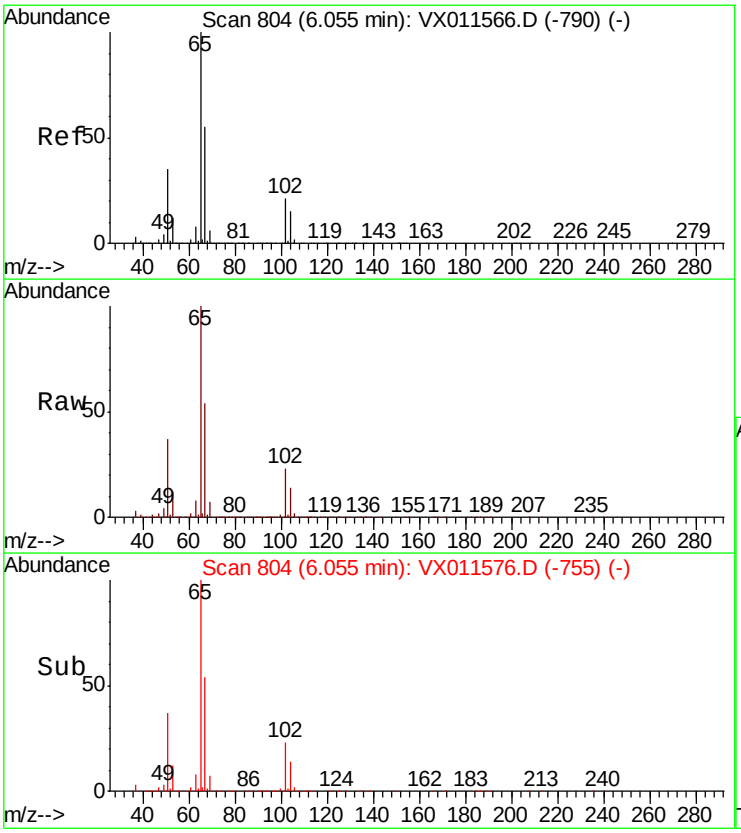

#29
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion: 42 Resp: 521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 36.1 | 54.1# |
| 71 | 41.1 | 33.8 | 50.8 |

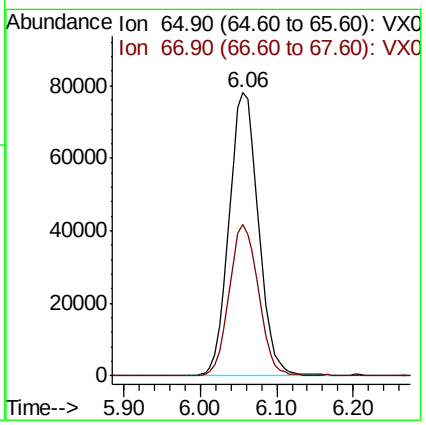


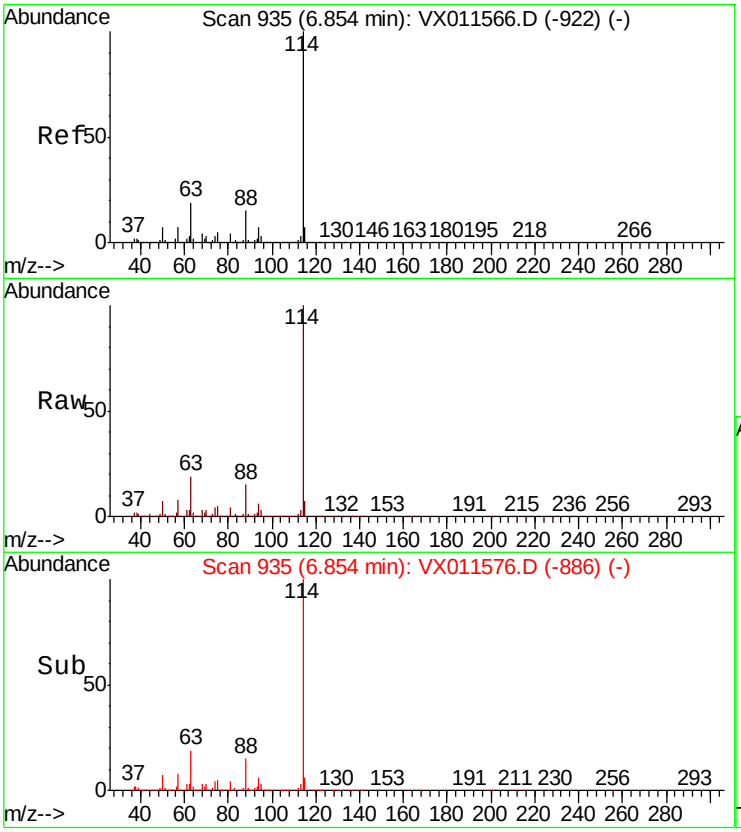




#33
1,2-Dichloroethane-d4
Concen: 51.853 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion: 65 Resp: 207008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.0 | 0.0 | 107.6 |



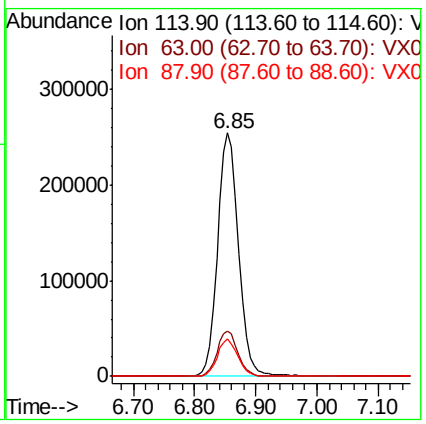


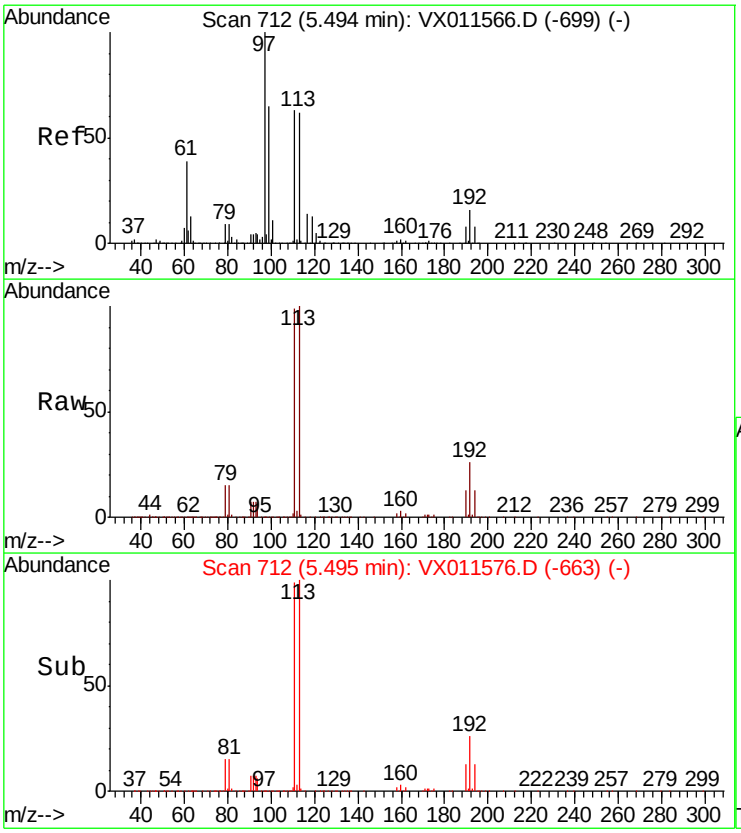

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion:114 Resp: 604914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 37.8 |
| 88 | 15.3 | 0.0 | 30.2 |

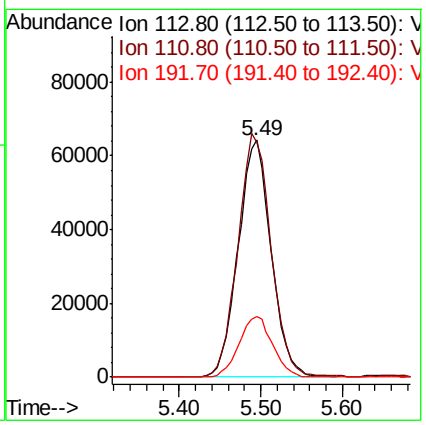


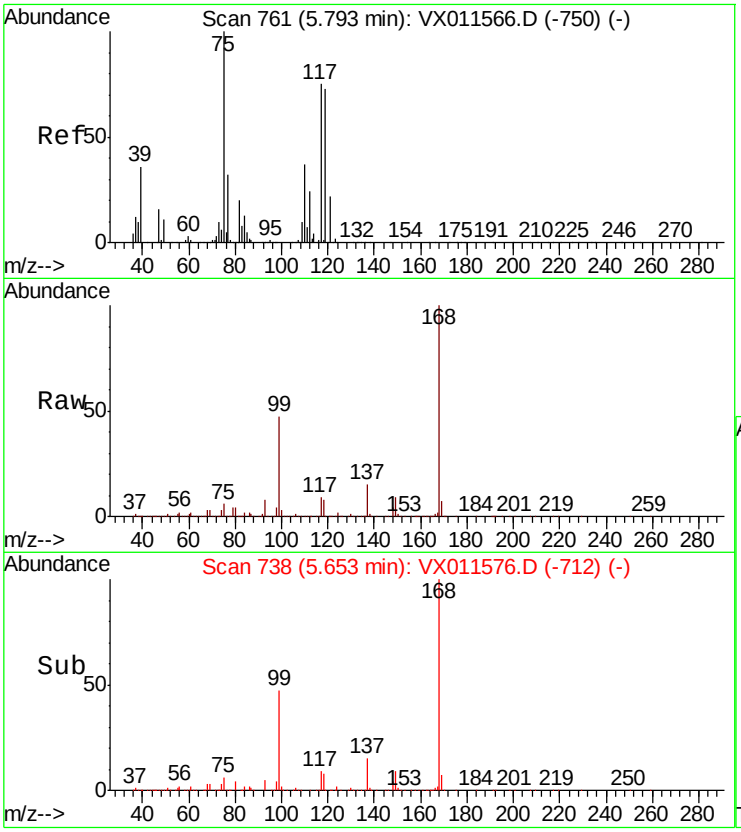




#35
Dibromofluoromethane
Concen: 45.554 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion:113 Resp: 180237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 81.1 | 121.7 |
| 192 | 25.9 | 20.8 | 31.2 |



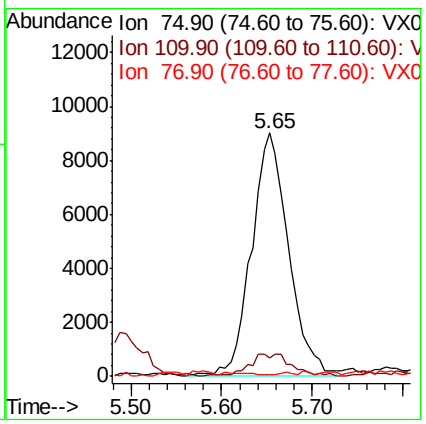


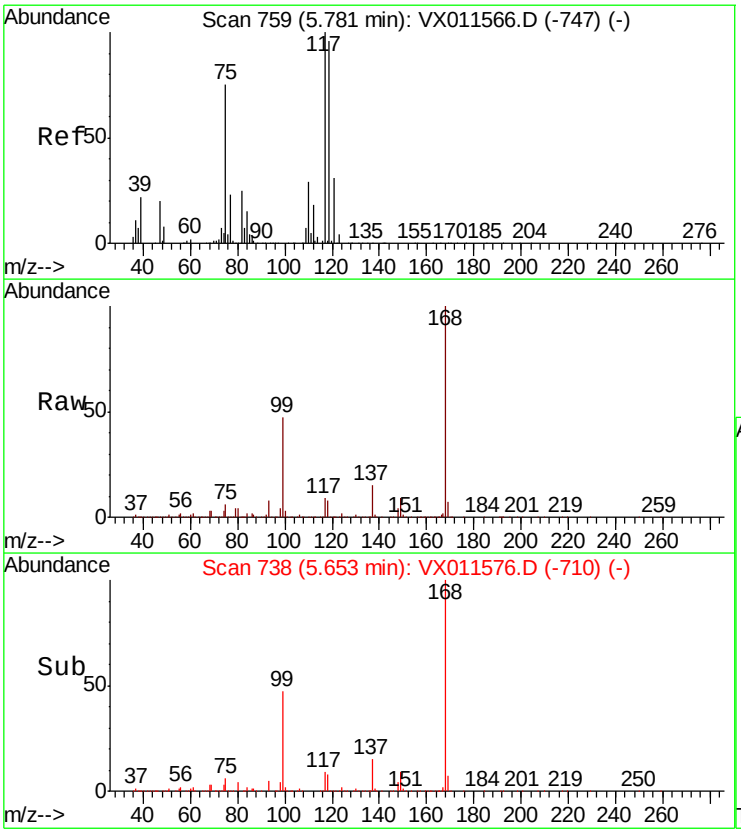

#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.14 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion: 75 Resp: 25581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.7 | 19.4 | 58.1# |
| 77 | 0.0 | 25.1 | 37.7# |

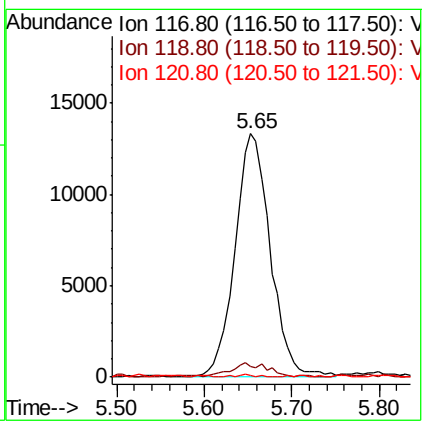


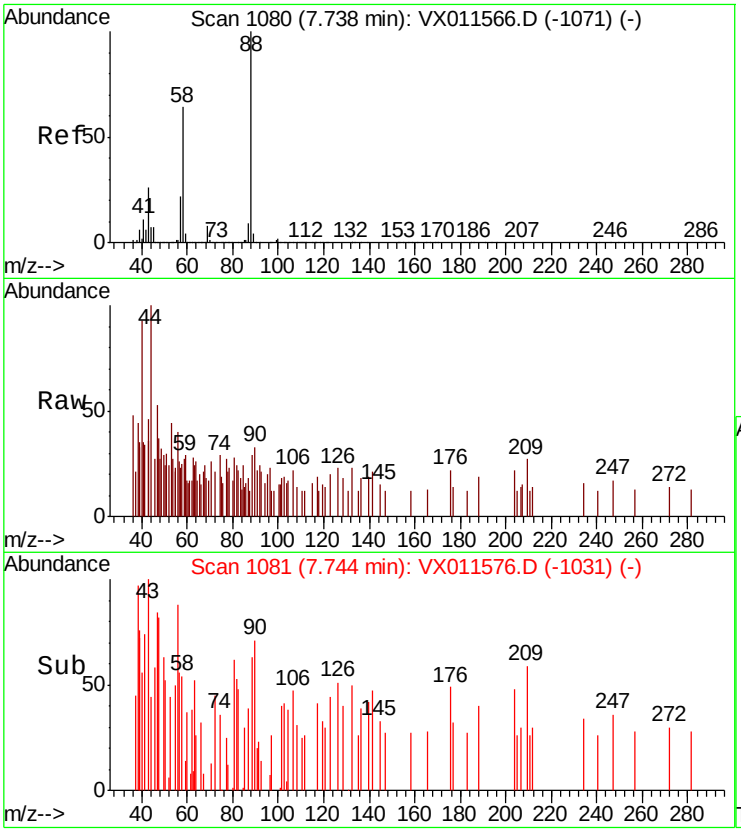




#38
Carbon Tetrachloride
Concen: 6.555 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion:117 Resp: 37351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.7 | 76.9 | 115.3# |
| 121 | 0.1 | 24.8 | 37.2# |



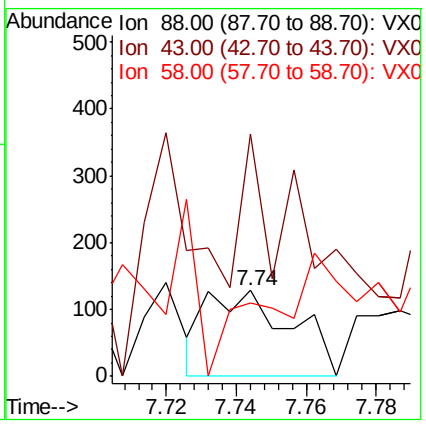


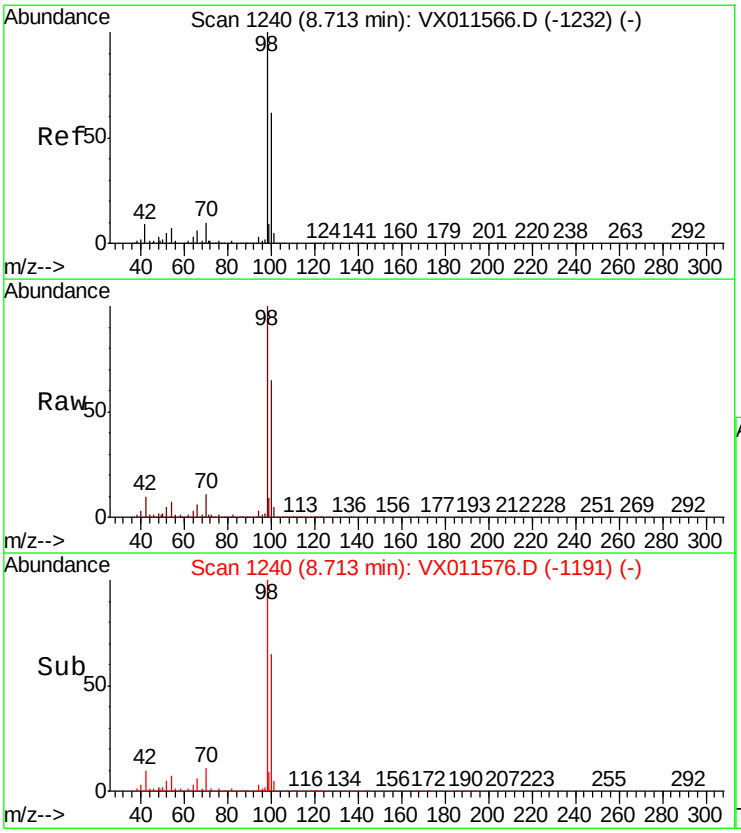

#49
1,4-Dioxane
Concen: 1.758 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion: 88 Resp: 215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 105.1 | 23.4 | 35.0# |
| 58 | 33.5 | 54.3 | 81.5# |

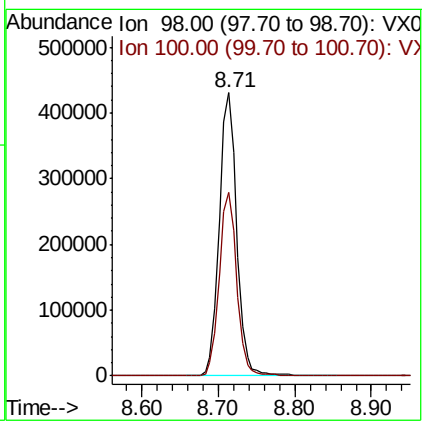


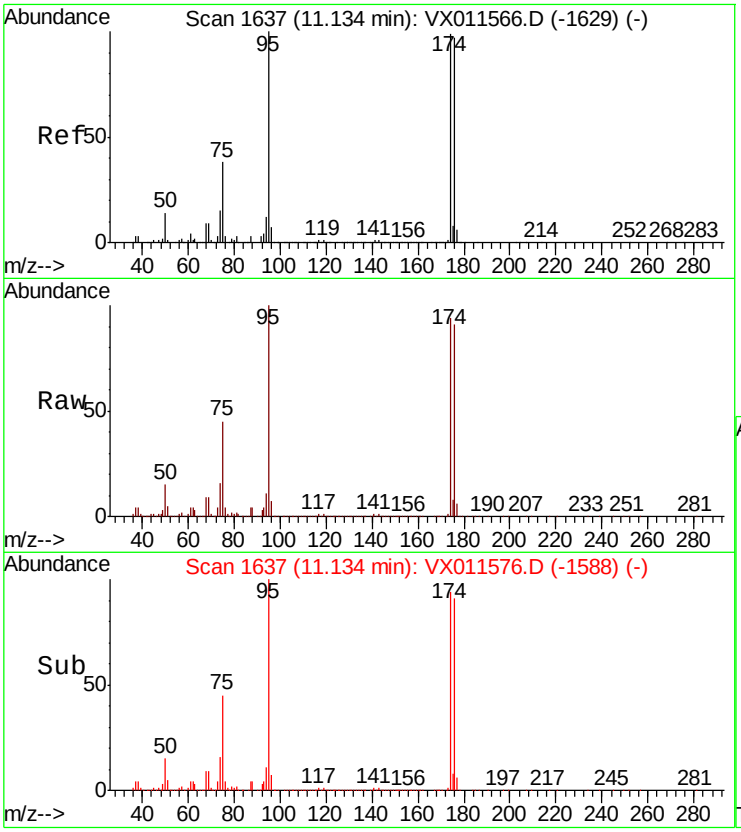




#50
Toluene-d8
Concen: 55.270 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion: 98 Resp: 681366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.1 | 52.4 | 78.6 |



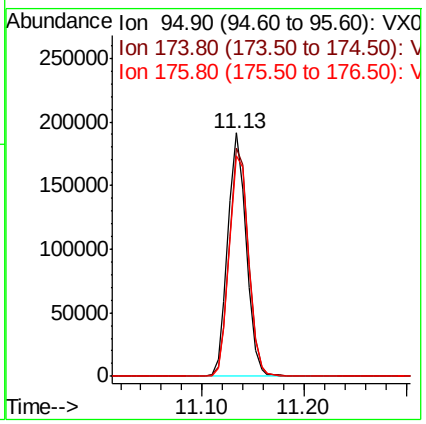


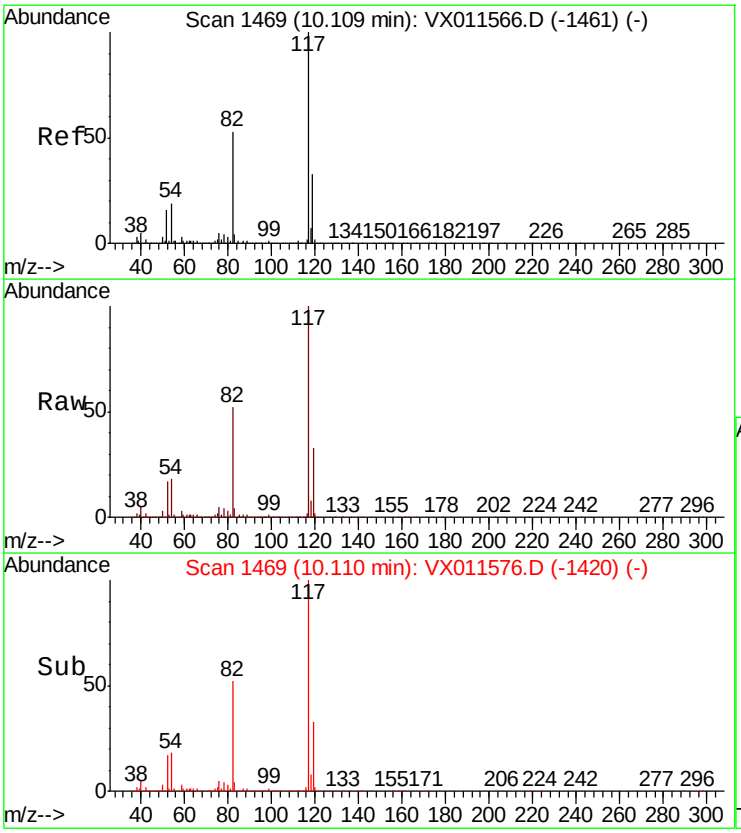

#62
4-Bromofluorobenzene
Concen: 45.748 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion: 95 Resp: 238049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 97.7 | 0.0 | 200.6 |
| 176 | 95.2 | 0.0 | 196.6 |

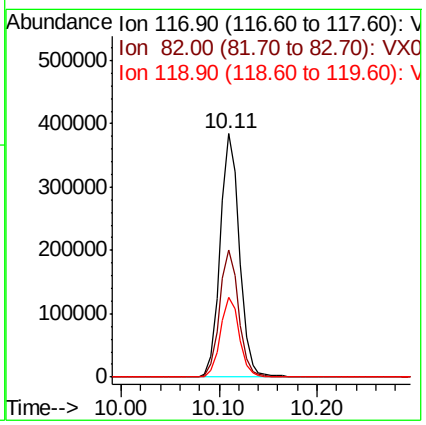


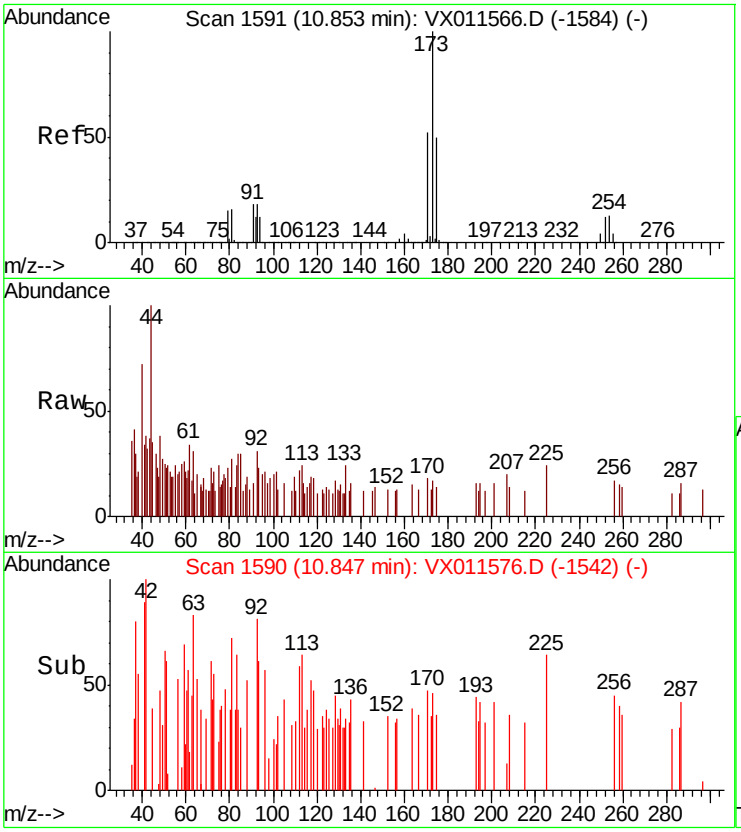




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion:117 Resp: 525374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.2 | 42.0 | 63.0 |
| 119 | 32.8 | 26.5 | 39.7 |



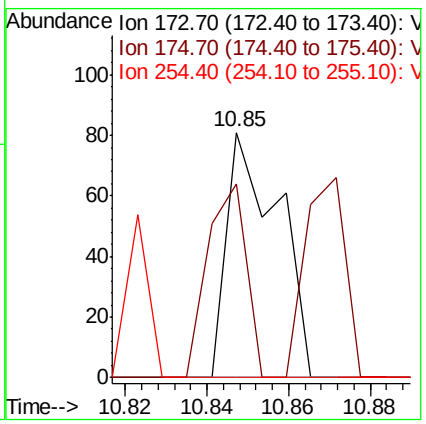


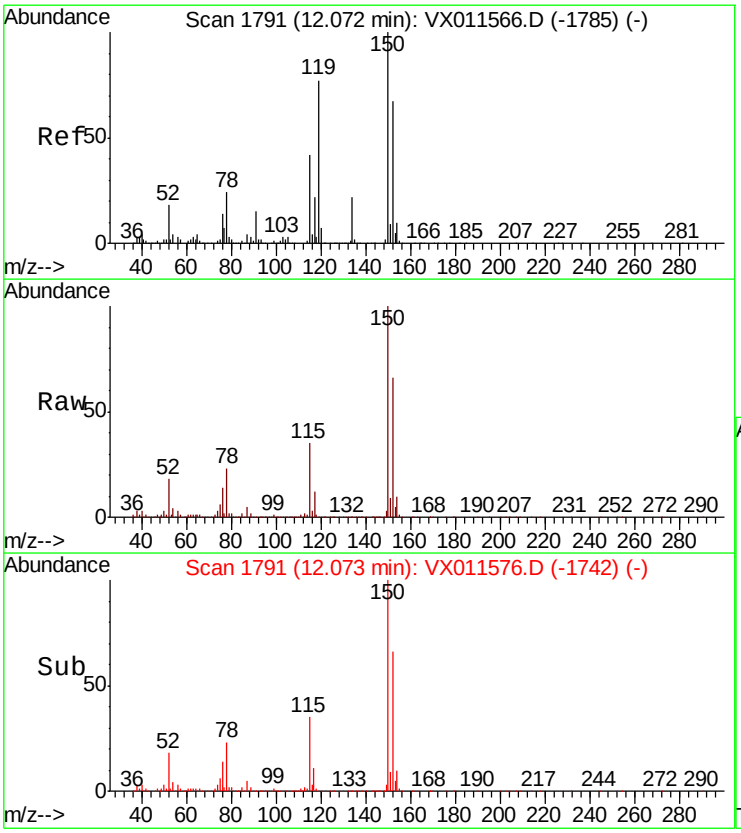

#71
Bromoform
Concen: 3.308 ug/l
RT: 10.85 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion:173 Resp: 71

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 24.9 | 74.7# |
| 254 | 0.0 | 0.1 | 0.1# |

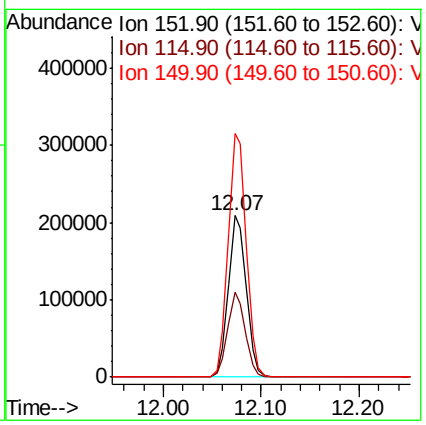


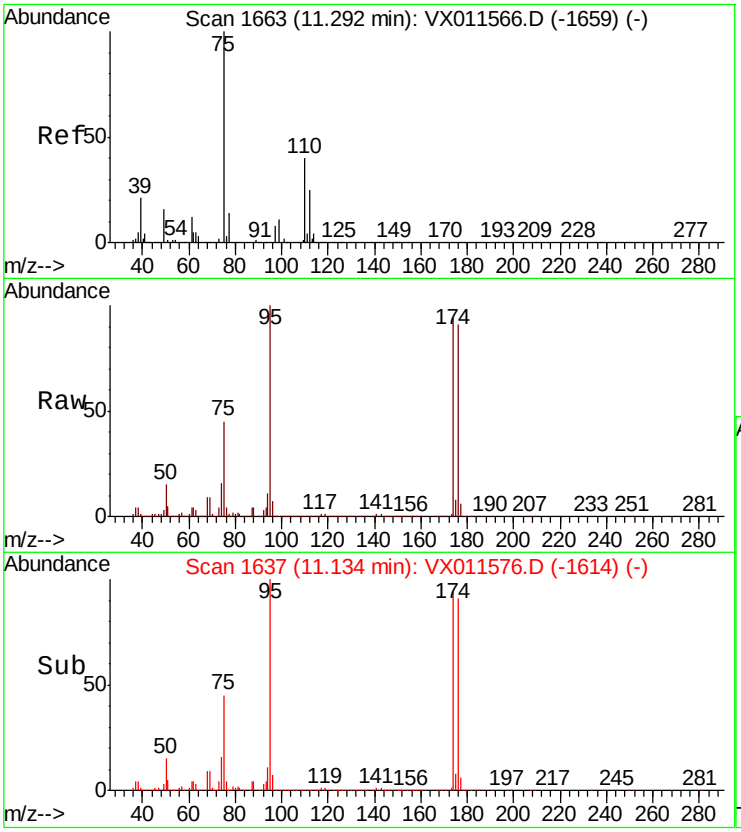




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion:152 Resp: 264747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 52.0 | 37.3 | 111.9 |
| 150 | 152.8 | 0.0 | 346.2 |



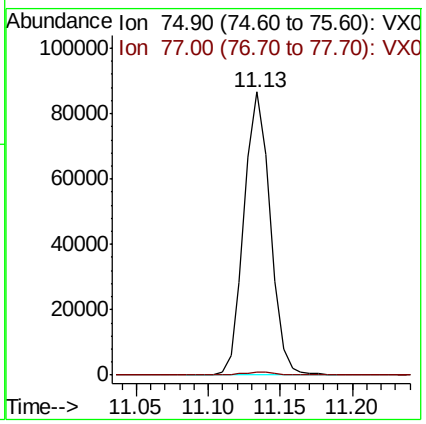


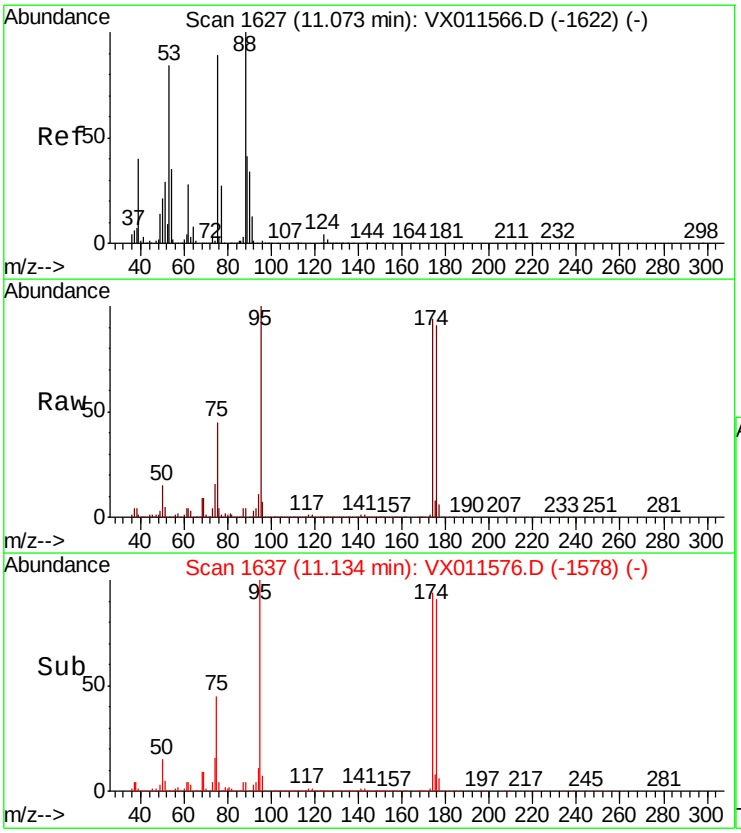

#76
1,2,3-Trichloropropane
Concen: 21.647 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
PH2-TB-2019-1

Tgt Ion: 75 Resp: 108671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 20.9 | 62.8# |




#81
trans-1,4-Dichloro-2-butene
Concen: 57.864 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011576.D
Acq: 16 Aug 2019 13:16

Tgt Ion: 75 Resp: 108671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.4 | 77.4 | 116.0# |
| 89 | 0.0 | 37.3 | 55.9# |