Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062619\
Data File : VX010458.D
Acq On : 26 Jun 2019 13:26
Operator : JC/SP
Sample : K3527-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jun 27 01:12:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 255543 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 395434 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 356095 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 162667 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 122659 | 51.19 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.38% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 119375 | 49.34 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.68% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 465547 | 50.30 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.60% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 153368 | 45.89 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.78% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.33 | 50 | 458 | 0.221 | ug/l # | 75 |
| 6) Chloroethane | 1.70 | 64 | 1424 | 1.065 | ug/l # | 43 |
| 11) Tert butyl alcohol | 3.01 | 59 | 2198 | 3.506 | ug/l | 97 |
| 13) Acrolein | 2.27 | 56 | 519 | 1.248 | ug/l # | 70 |
| 15) Acrylonitrile | 3.15 | 53 | 255 | 0.205 | ug/l # | 45 |
| 16) Acetone | 2.45 | 43 | 4232 | 3.524 | ug/l | 91 |
| 18) Methyl Acetate | 2.79 | 43 | 500 | 0.209 | ug/l # | 56 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 1438 | 0.522 | ug/l | 93 |
| 30) Chloroform | 5.22 | 83 | 1964 | 0.480 | ug/l # | 74 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 15655 | 4.982 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 22583 | 6.637 | ug/l # | 16 |
| 44) Trichloroethene | 7.20 | 130 | 616 | 0.210 | ug/l | 79 |
| 49) 1,4-Dioxane | 7.63 | 88 | 25 | 0.349 | ug/l # | 1 |
| 60) Dibromochloromethane | 9.34 | 129 | 78238 | 26.280 | ug/l # | 11 |
| 64) Tetrachloroethene | 9.34 | 164 | 85154 | 29.565 | ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 71803 | 24.223 | ug/l # | 33 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 71803 | 56.510 | ug/l # | 16 |

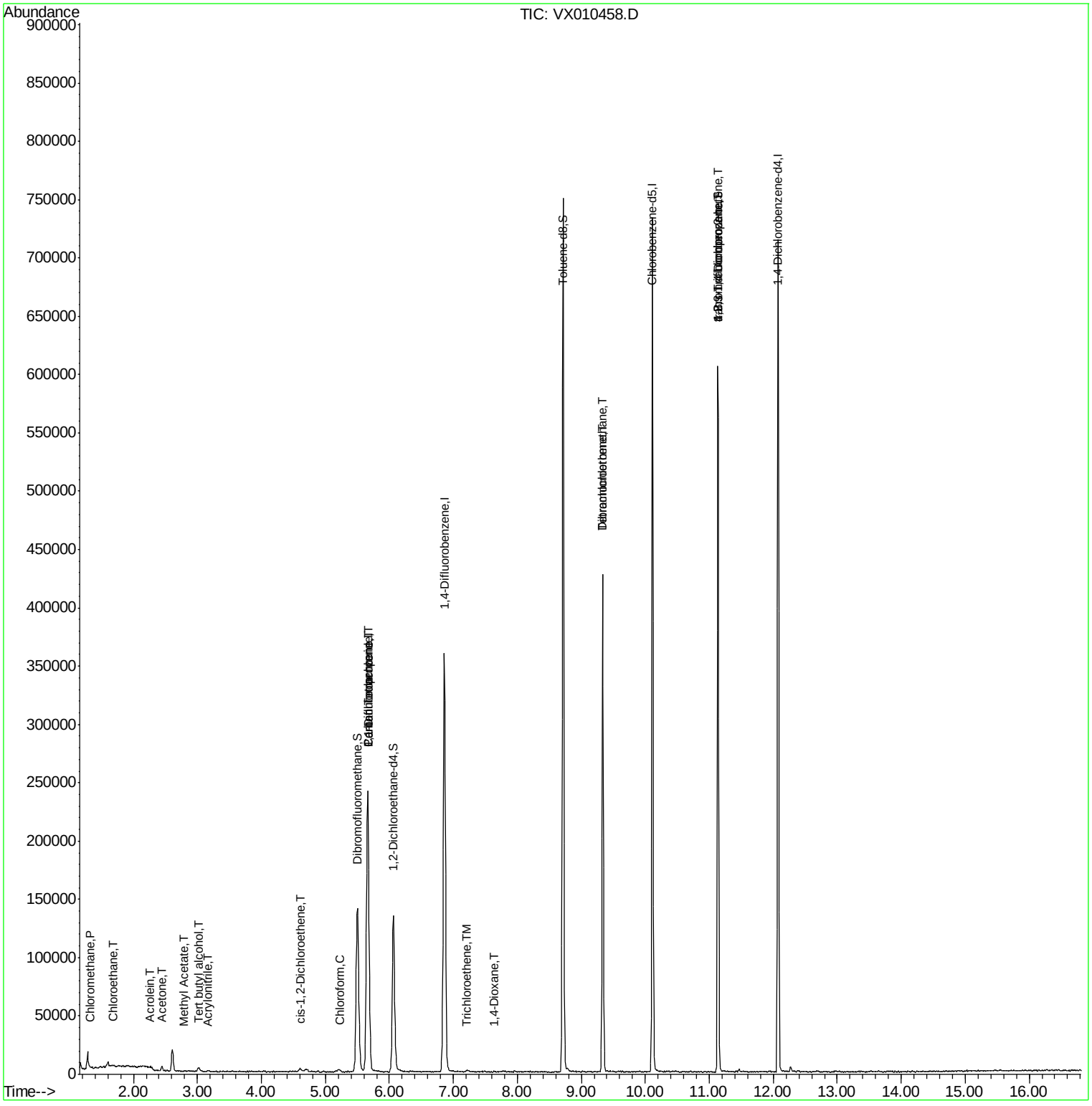
(#) = qualifier out of range (m) = manual integration (+) = signals summed

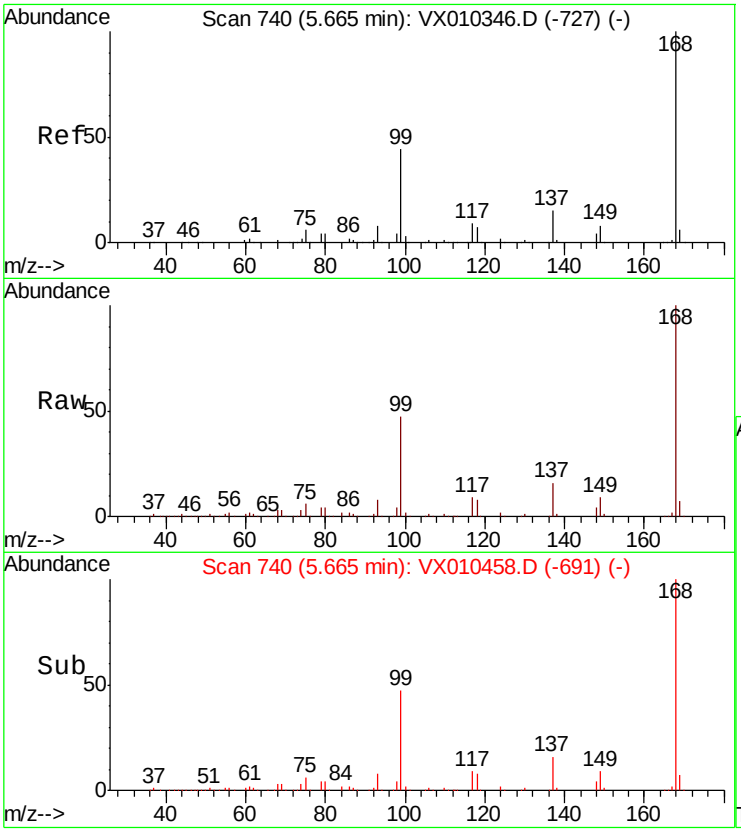
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062619\
Data File : VX010458.D
Acq On : 26 Jun 2019 13:26
Operator : JC/SP
Sample : K3527-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jun 27 01:12:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration



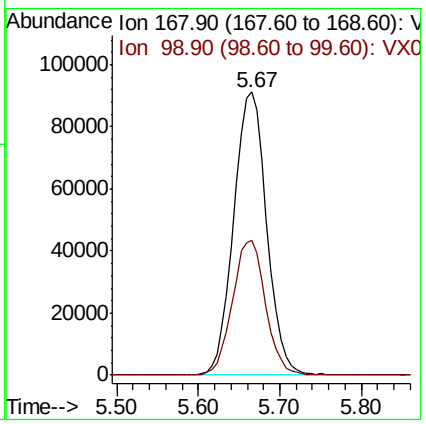


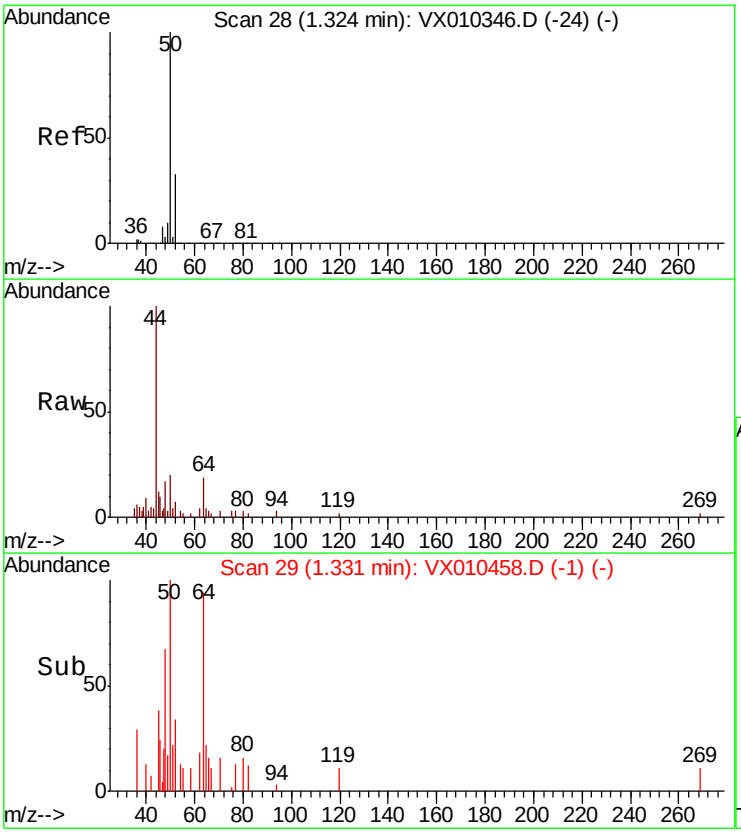

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion:168 Resp: 255543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.4 | 35.5 | 53.3 |

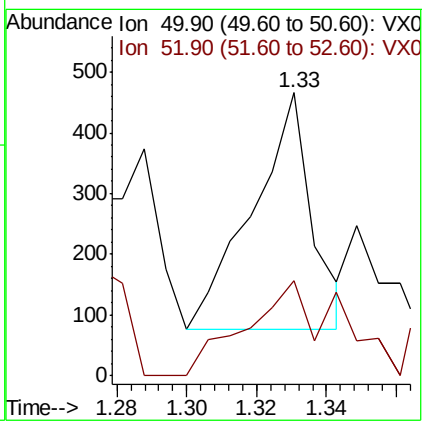


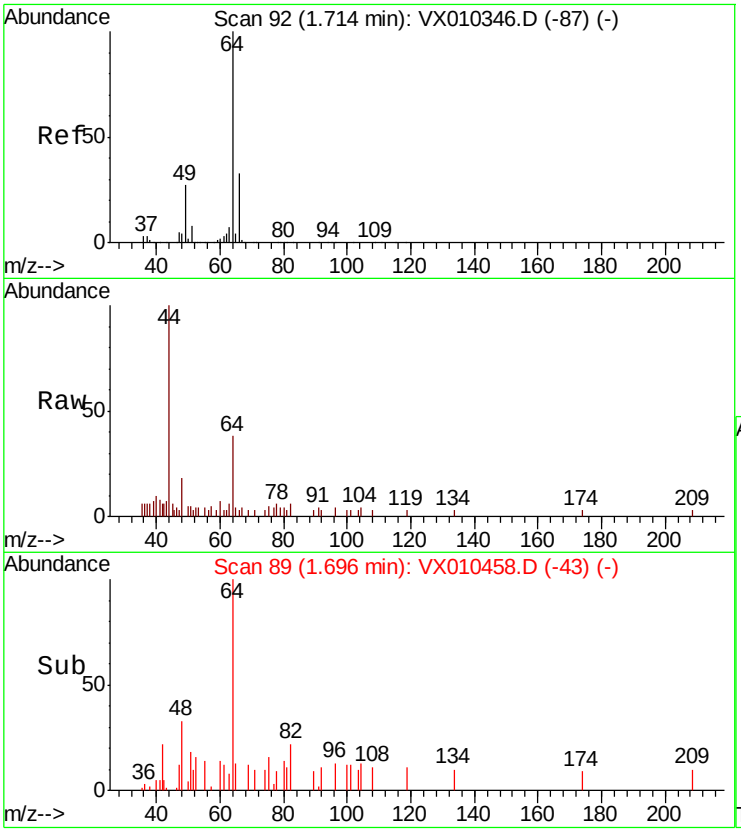




#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 50 Resp: 458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 47.4 | 26.5 | 39.7# |



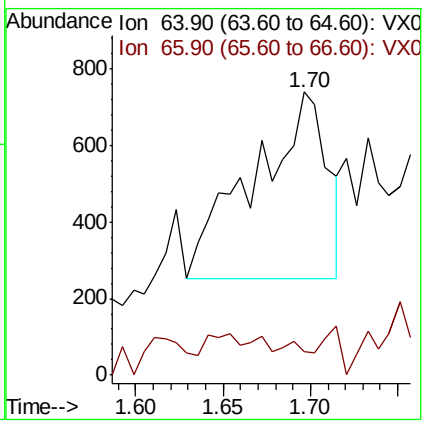


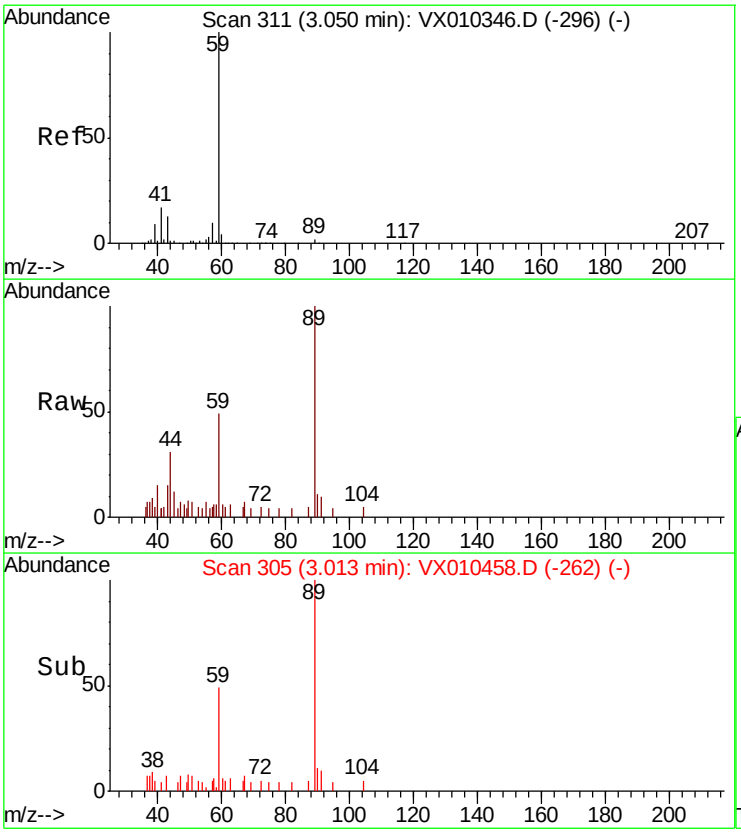

#6
Chloroethane
Concen: 1.065 ug/l
RT: 1.70 min Scan# 89
Delta R.T. -0.02 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion: 64 Resp: 1424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 1.0 | 26.6 | 40.0# |

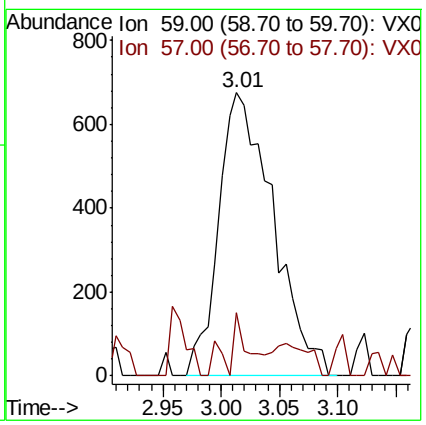


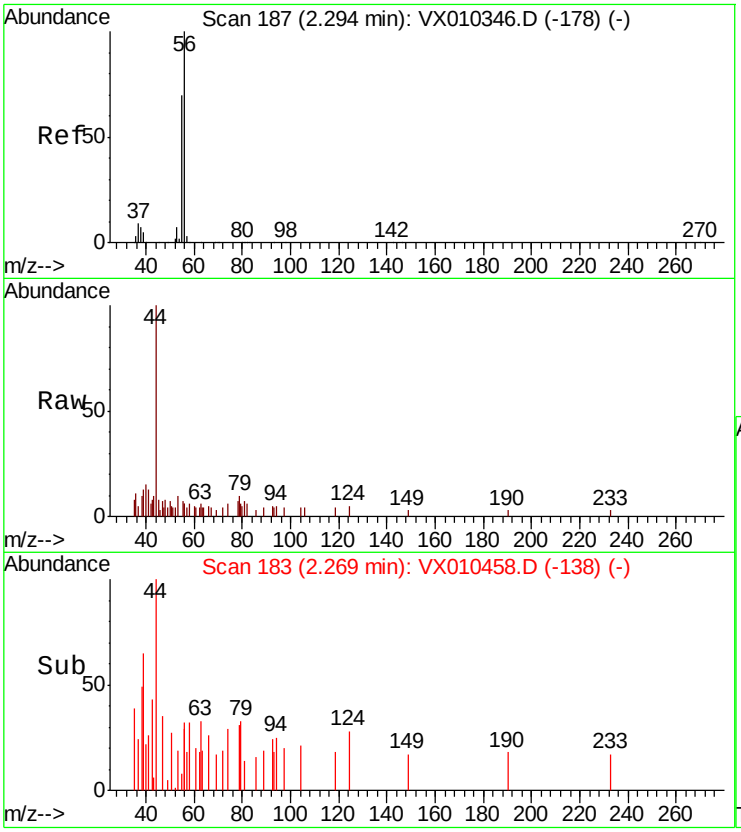




#11
Tert butyl alcohol
Concen: 3.506 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 59 Resp: 2198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.4 | 7.7 | 11.5 |



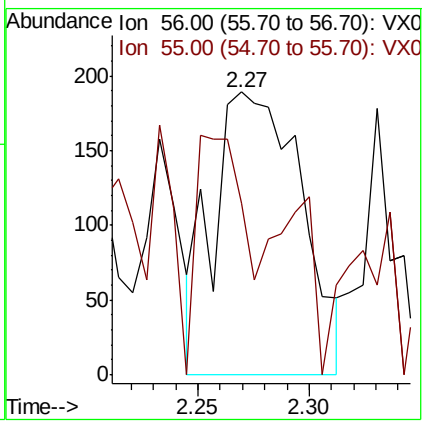


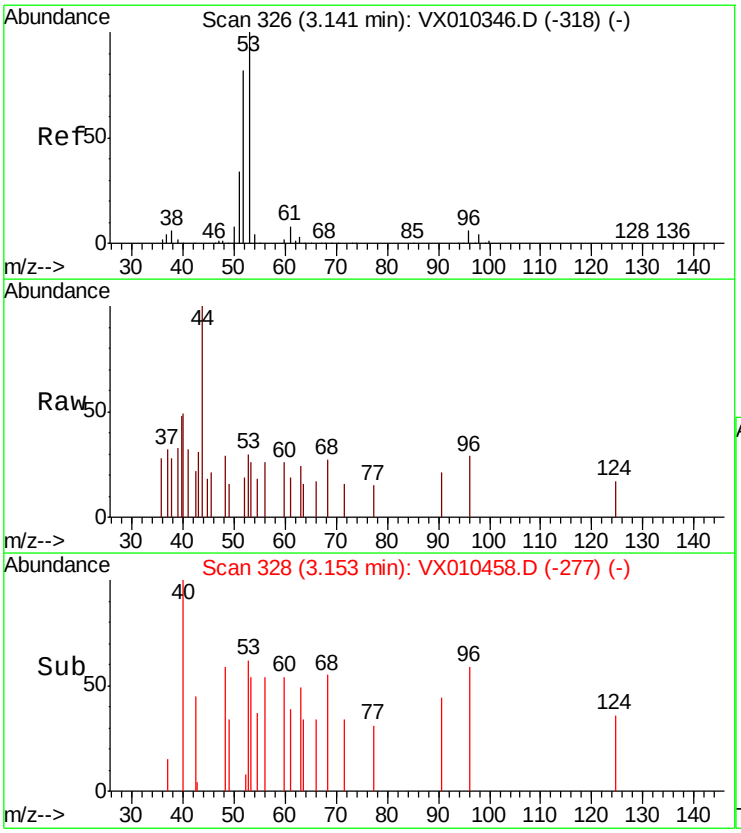

#13
Acrolein
Concen: 1.248 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion: 56 Resp: 519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 46.1 | 56.9 | 85.3# |

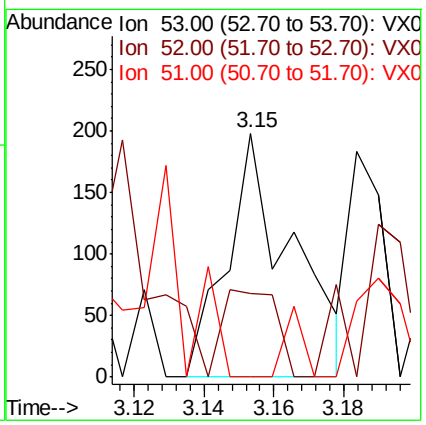


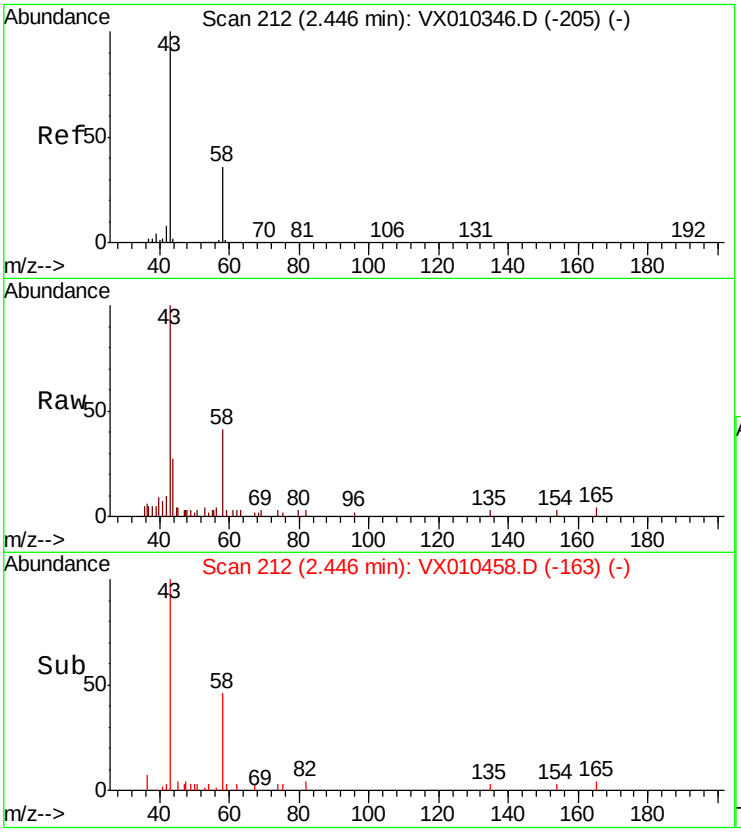




#15
Acrylonitrile
Concen: 0.205 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 53 Resp: 255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 29.4 | 65.5 | 98.3# |
| 51 | 8.2 | 28.2 | 42.4# |



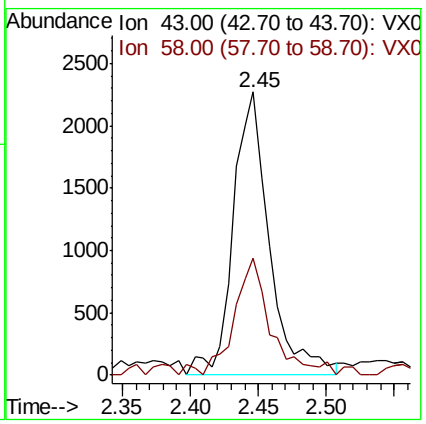


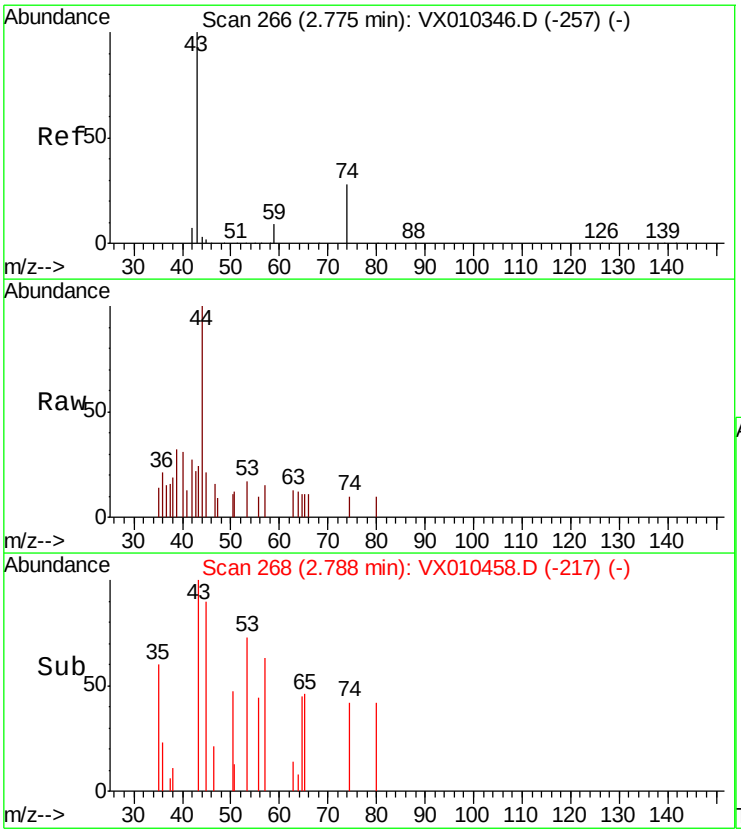

#16
Acetone
Concen: 3.524 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion: 43 Resp: 4232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.4 | 28.9 | 43.3 |

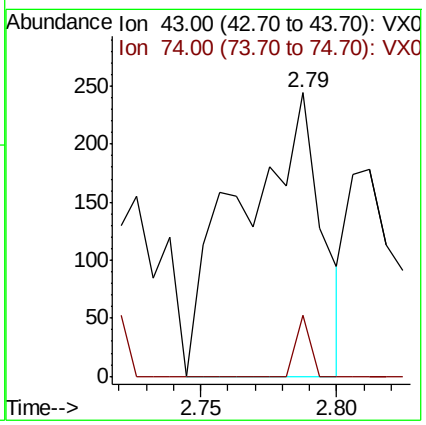


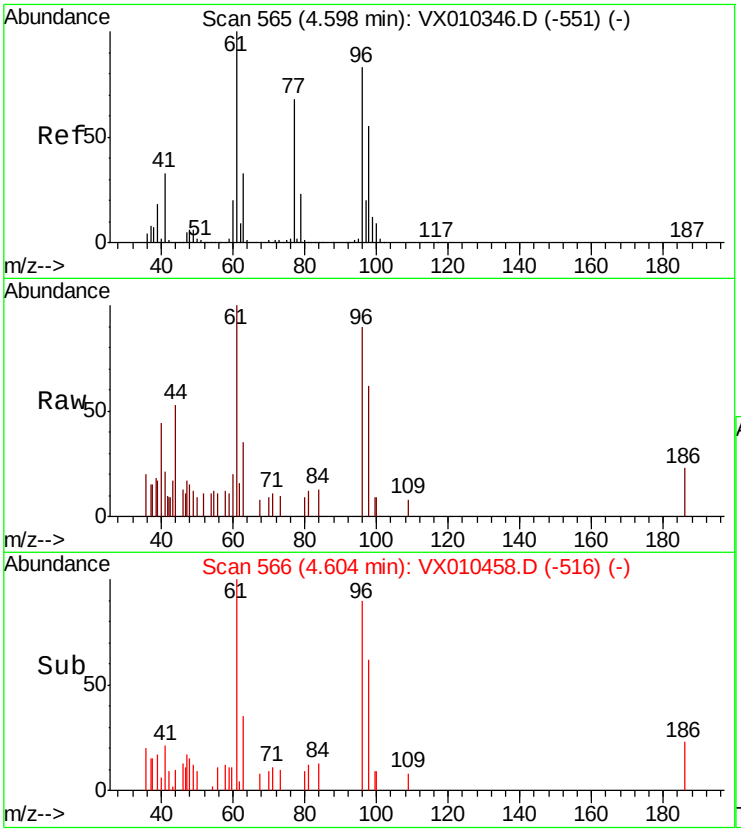




#18
Methyl Acetate
Concen: 0.209 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 43 Resp: 500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 3.8 | 21.3 | 31.9# |



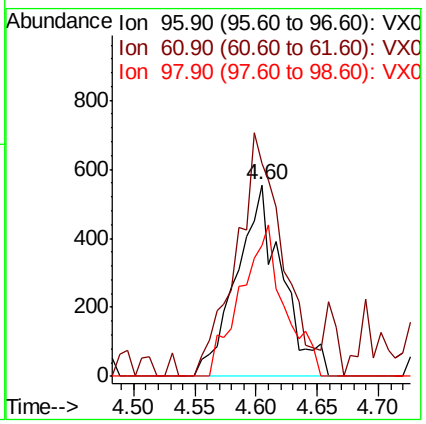


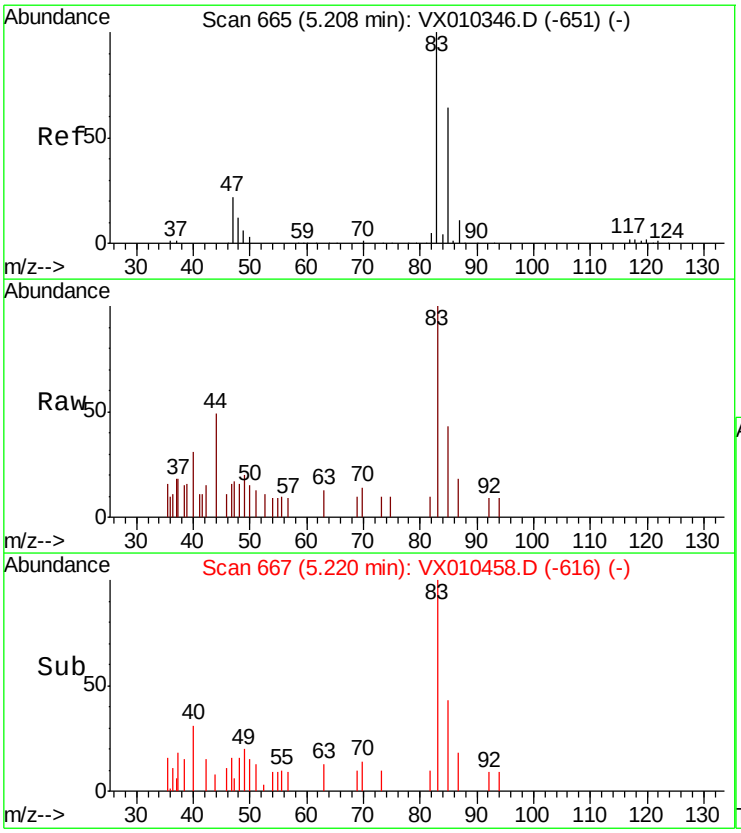

#27
cis-1,2-Dichloroethene
Concen: 0.522 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion: 96 Resp: 1438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.4 | 0.0 | 251.8 |
| 98 | 76.3 | 0.0 | 129.4 |

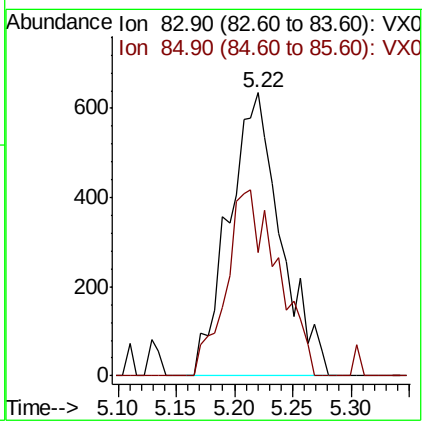


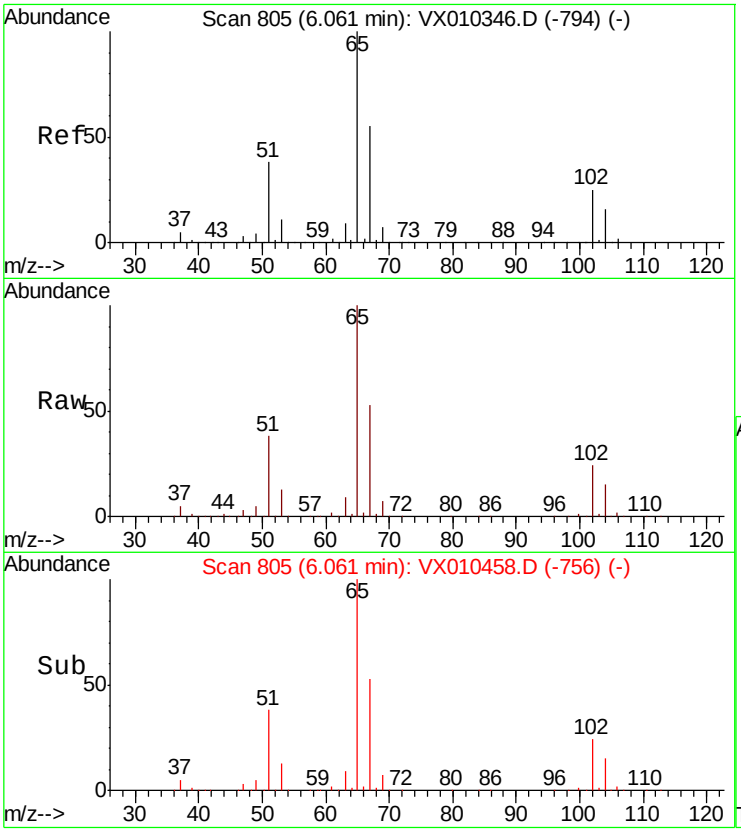




#30
Chloroform
Concen: 0.480 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 83 Resp: 1964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 43.5 | 50.9 | 76.3# |



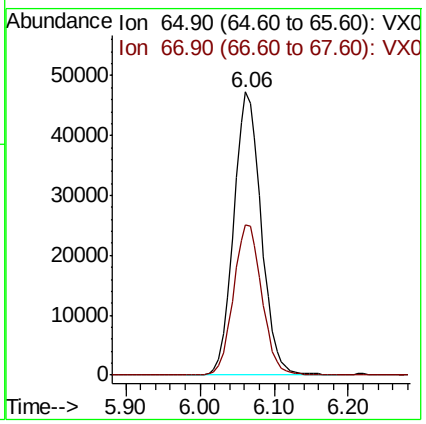


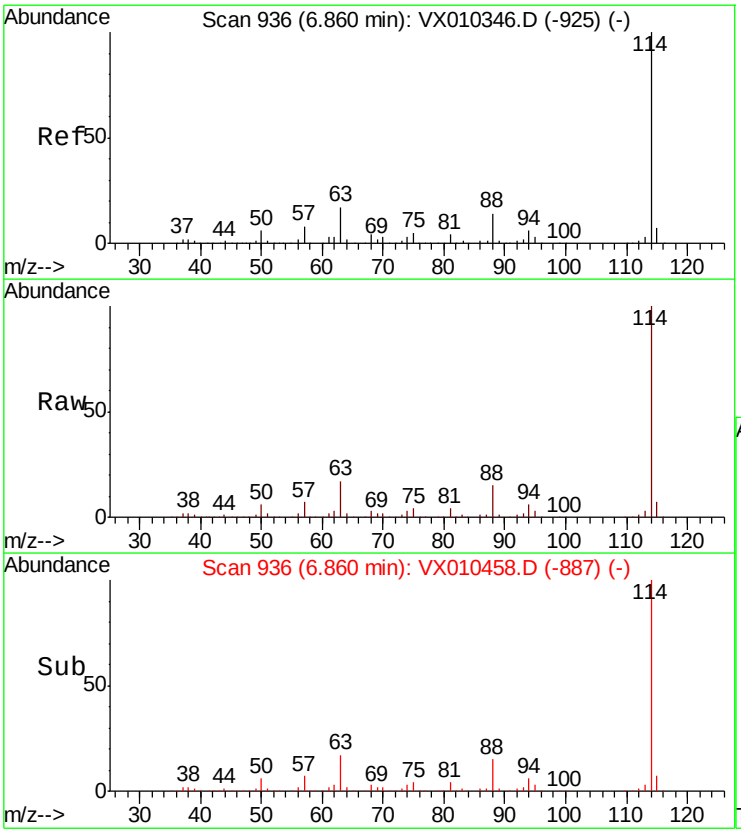

#33
1,2-Dichloroethane-d4
Concen: 51.194 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion: 65 Resp: 122659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.6 | 0.0 | 110.2 |

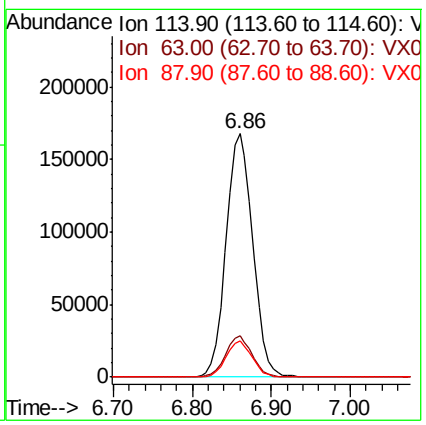


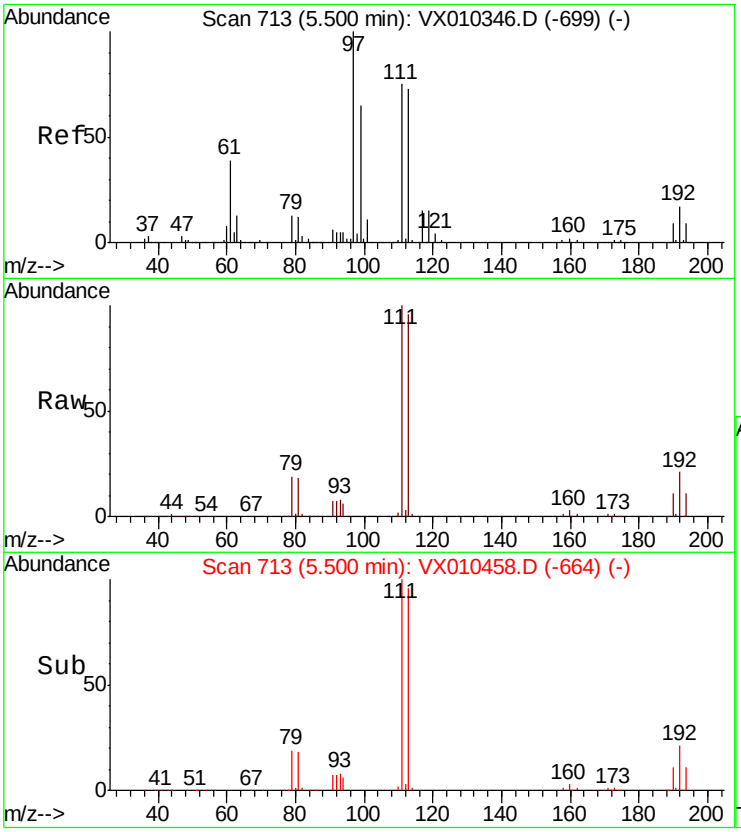




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion:114 Resp: 395434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.1 | 0.0 | 33.8 |
| 88 | 14.7 | 0.0 | 27.6 |



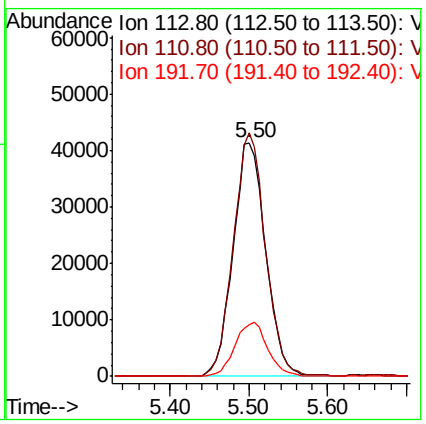


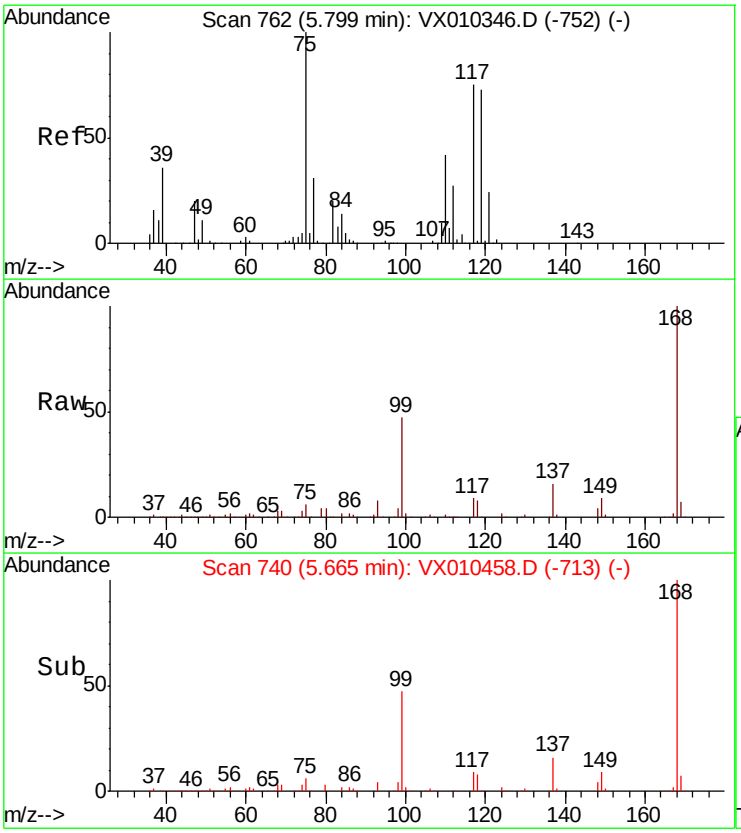

#35
Dibromofluoromethane
Concen: 49.341 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion:113 Resp: 119375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 81.2 | 121.8 |
| 192 | 23.2 | 18.6 | 27.8 |

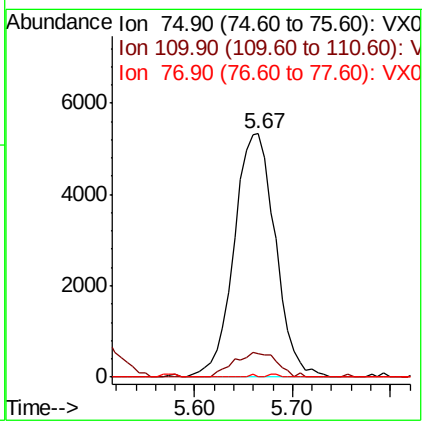


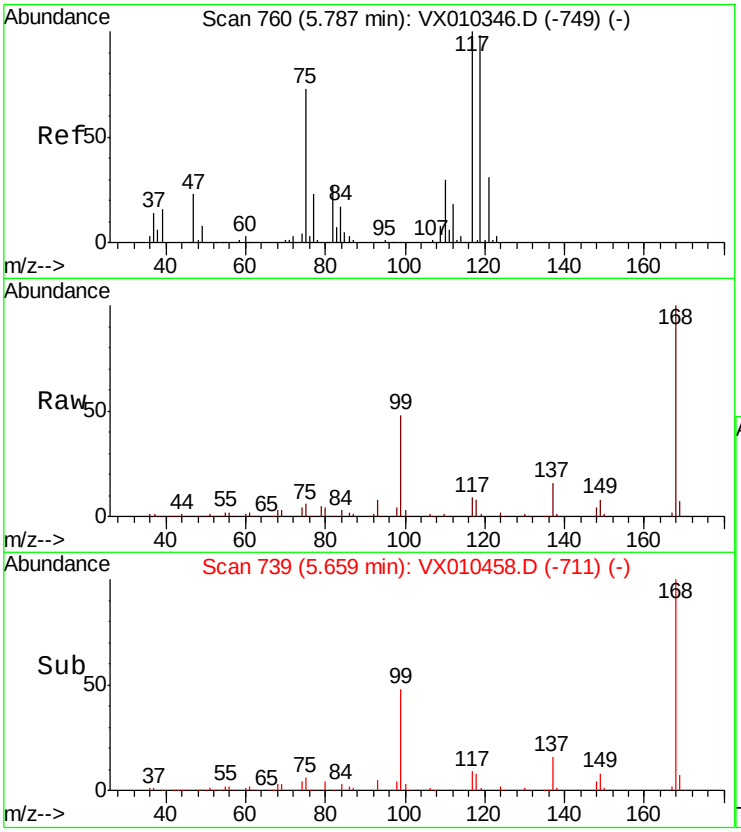




#36
1,1-Dichloropropene
Concen: 4.982 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 75 Resp: 15655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.7 | 20.8 | 62.2# |
| 77 | 0.1 | 25.4 | 38.0# |



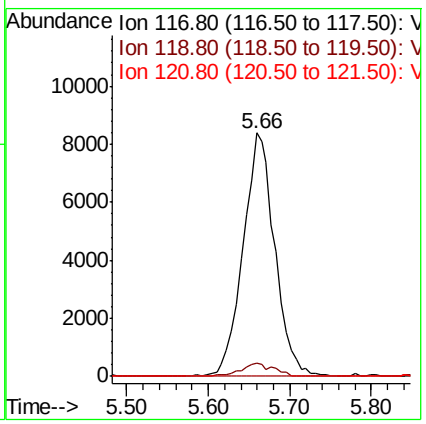


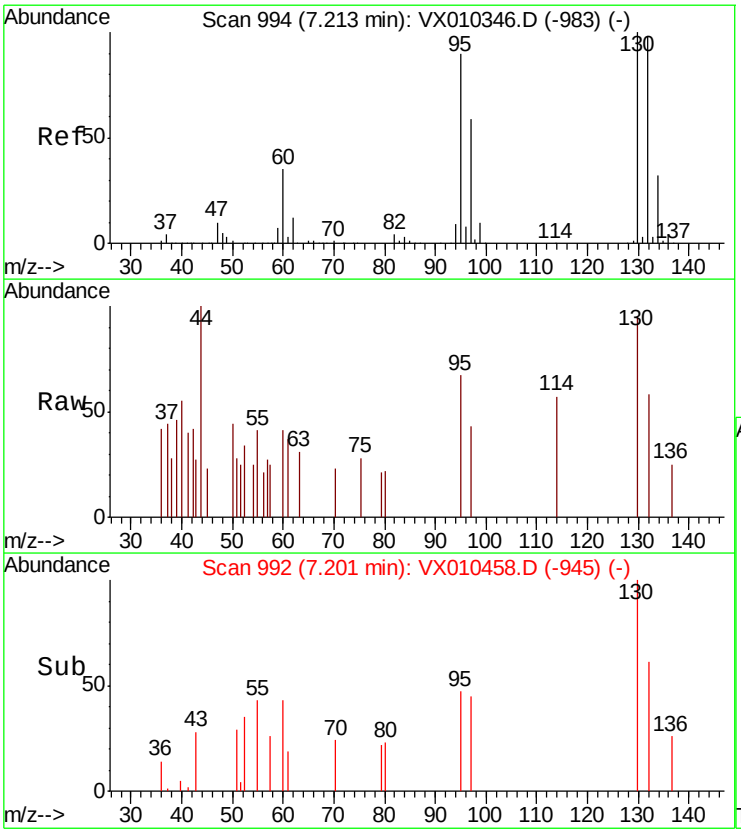

#38
Carbon Tetrachloride
Concen: 6.637 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion:117 Resp: 22583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 78.2 | 117.4# |
| 121 | 0.0 | 24.7 | 37.1# |

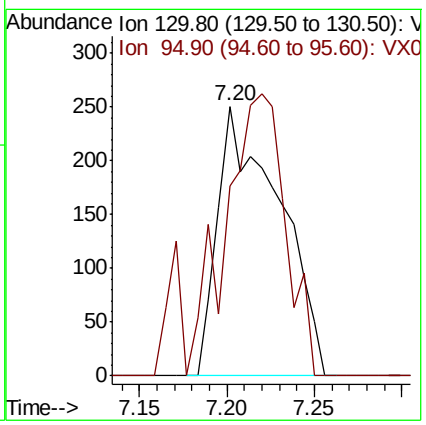


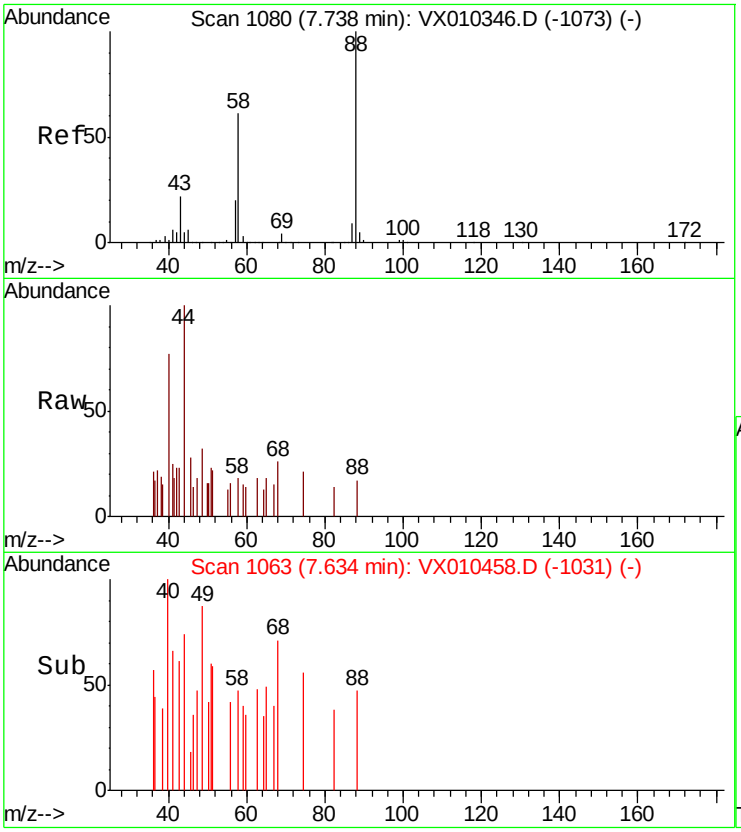




#44
Trichloroethene
Concen: 0.210 ug/l
RT: 7.20 min Scan# 992
Delta R.T. -0.01 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion:130 Resp: 616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 70.5 | 0.0 | 180.8 |



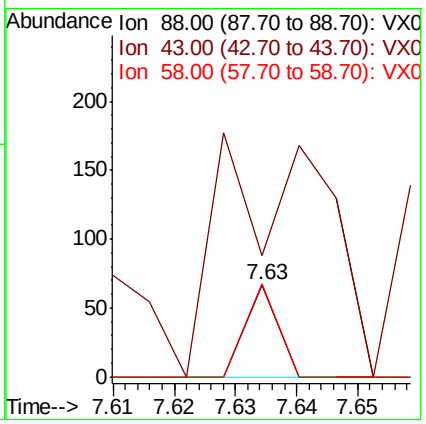


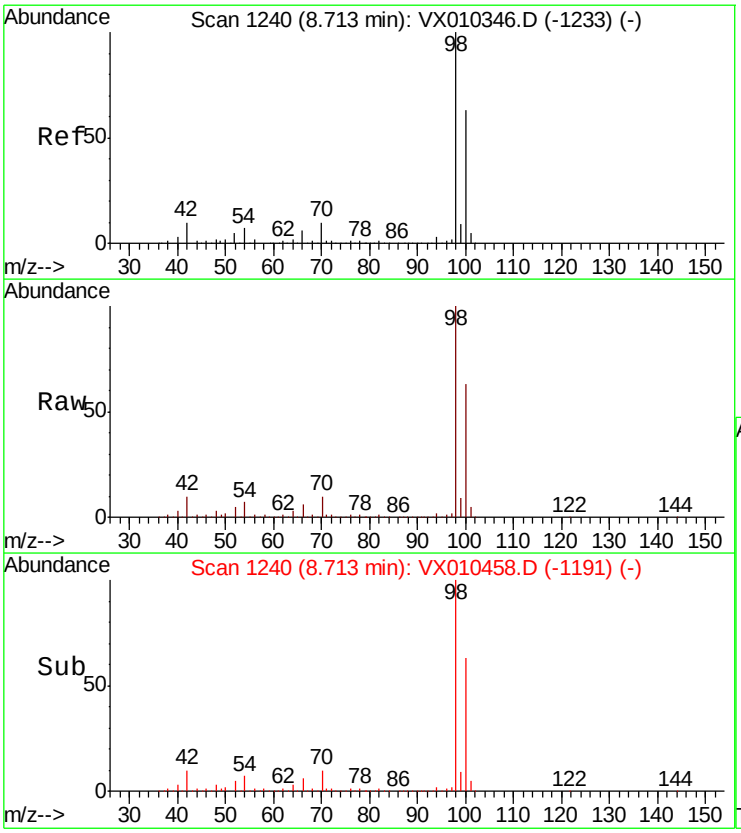

#49
1,4-Dioxane
Concen: 0.349 ug/l
RT: 7.63 min Scan# 1063
Delta R.T. -0.10 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion: 88 Resp: 25

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 824.0 | 20.2 | 30.2# |
| 58 | 100.0 | 49.5 | 74.3# |

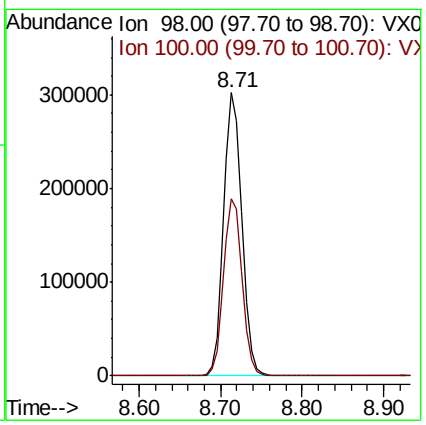


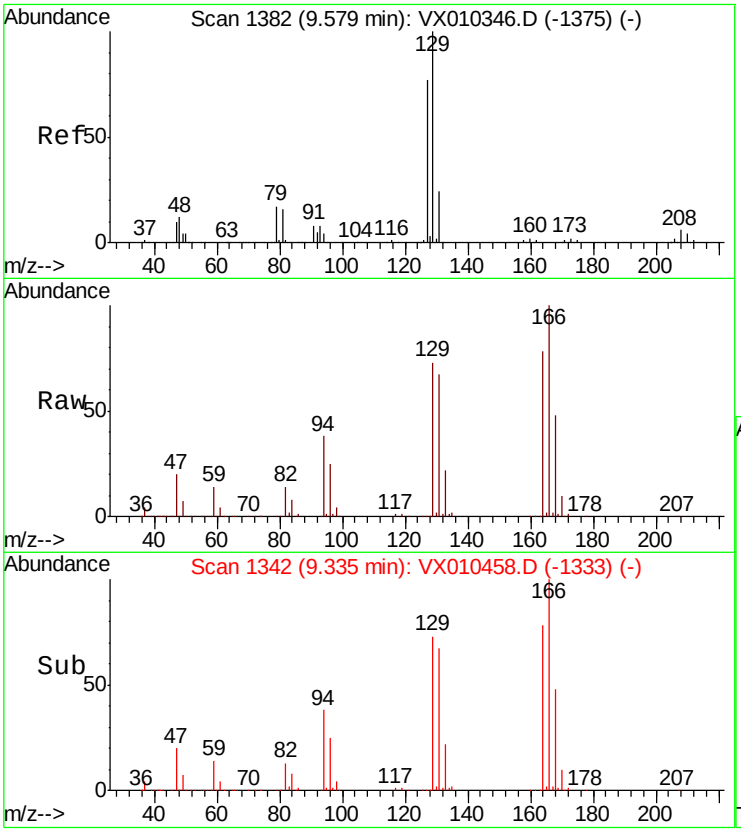




#50
Toluene-d8
Concen: 50.296 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 98 Resp: 465547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.6 | 51.6 | 77.4 |



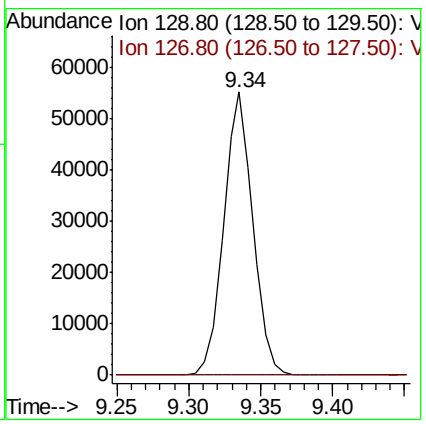


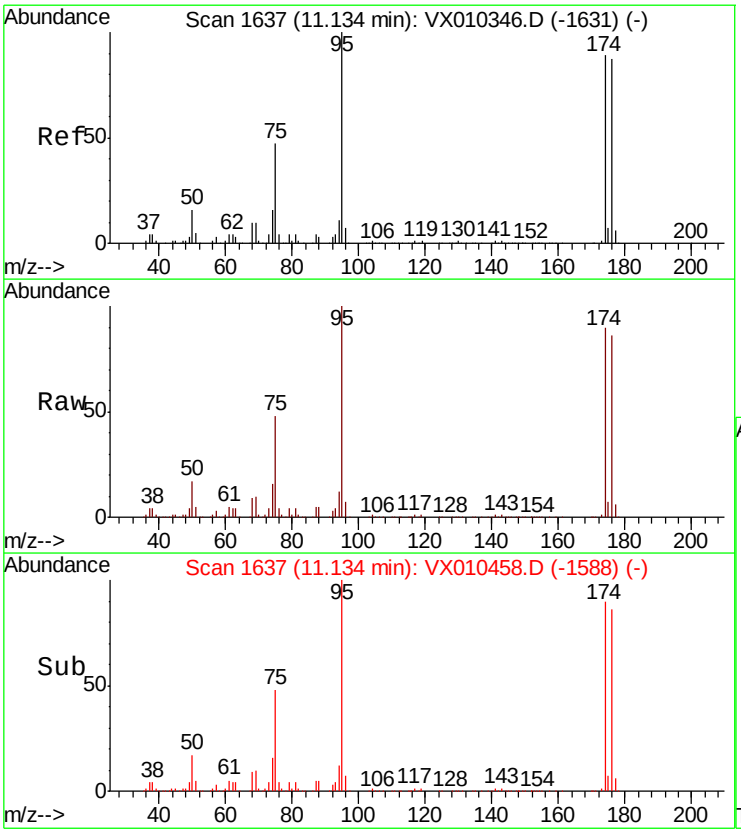

#60
Dibromochloromethane
Concen: 26.280 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion:129 Resp: 78238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.1 | 38.4 | 115.1# |

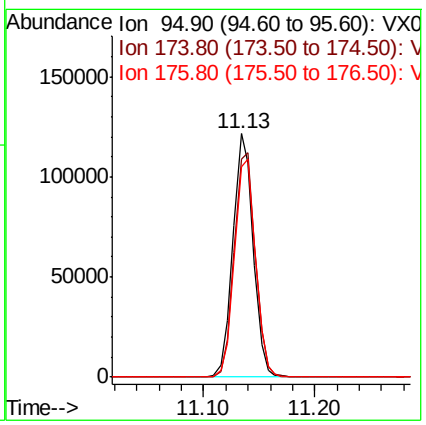


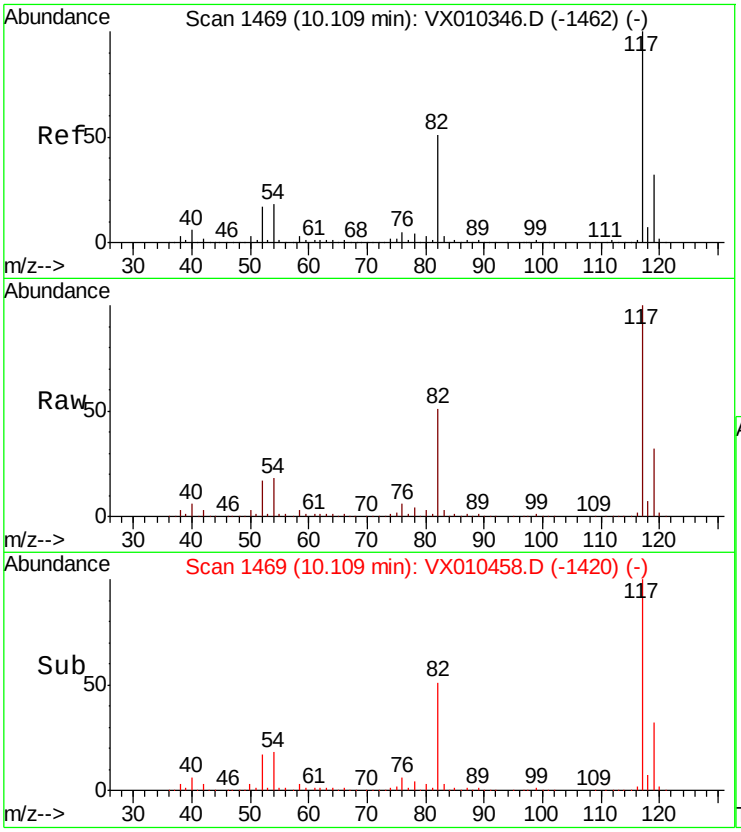




#62
4-Bromofluorobenzene
Concen: 45.895 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 95 Resp: 153368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 96.1 | 0.0 | 187.6 |
| 176 | 93.2 | 0.0 | 184.0 |



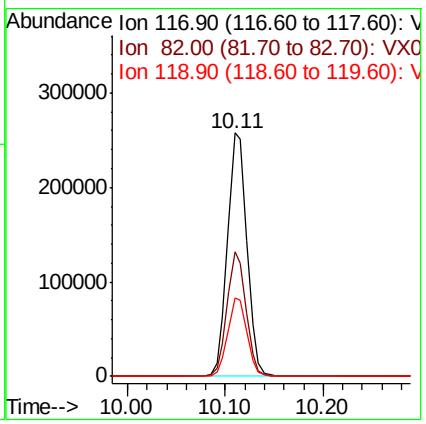


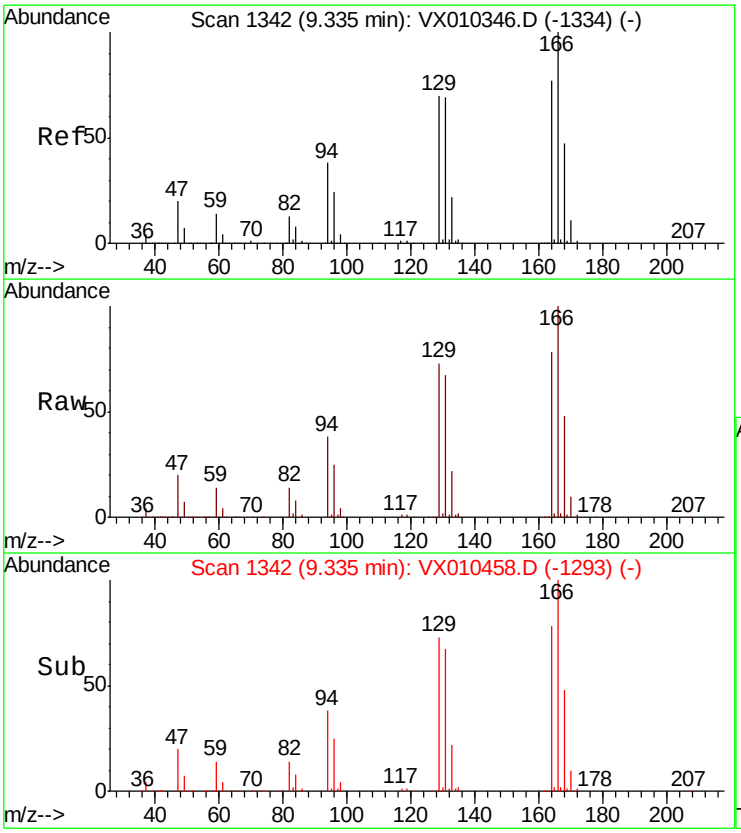

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion:117 Resp: 356095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.1 | 41.2 | 61.8 |
| 119 | 32.3 | 25.5 | 38.3 |

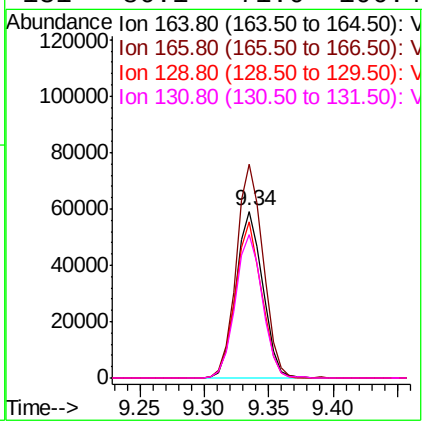


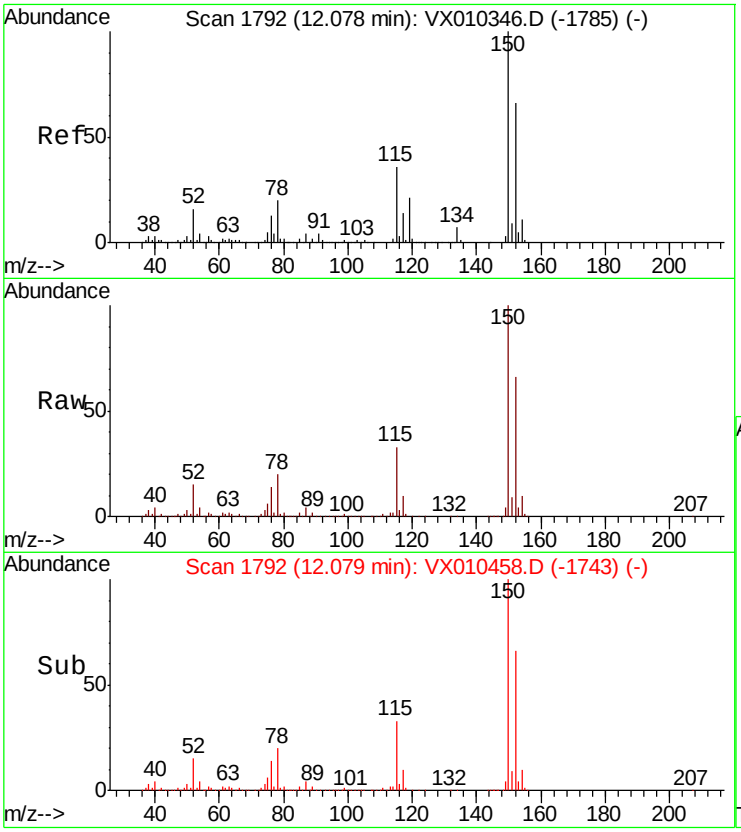




#64
Tetrachloroethene
Concen: 29.565 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion:164 Resp: 85154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.0 | 103.6 | 155.4 |
| 129 | 93.3 | 73.0 | 109.4 |
| 131 | 86.1 | 71.0 | 106.4 |



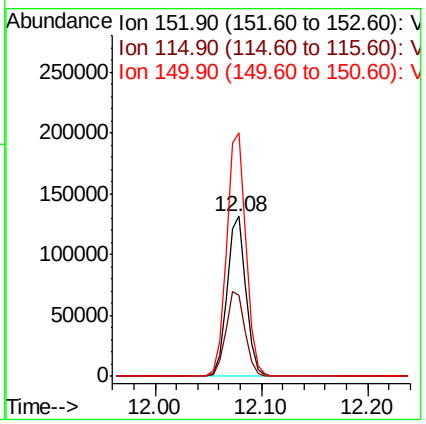


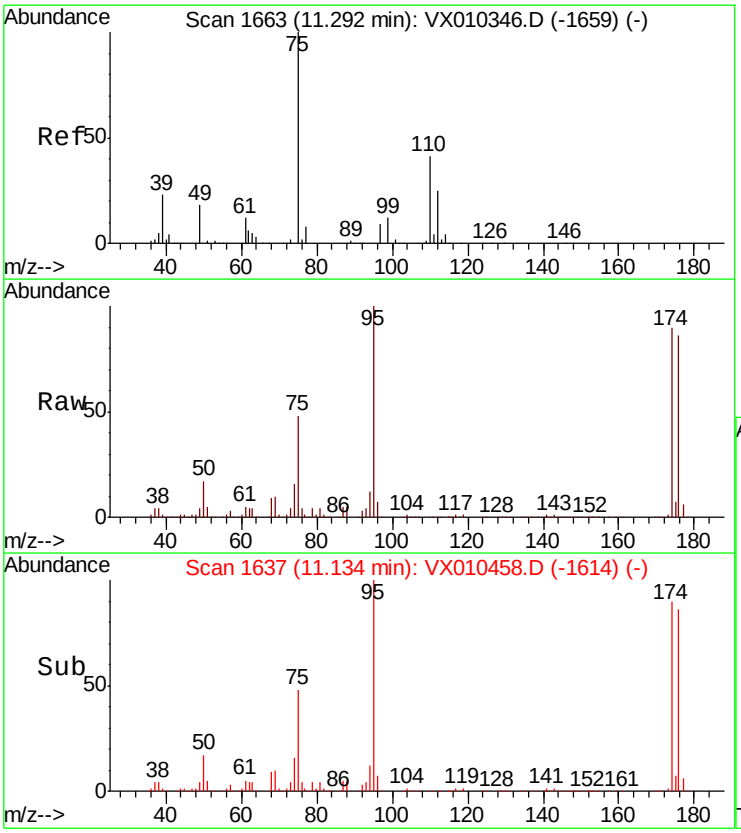

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion:152 Resp: 162667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.1 | 38.6 | 115.7 |
| 150 | 156.0 | 0.0 | 347.4 |

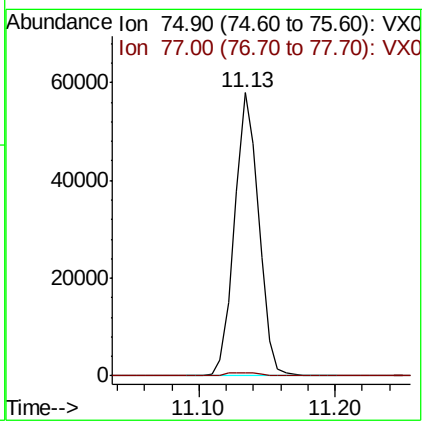


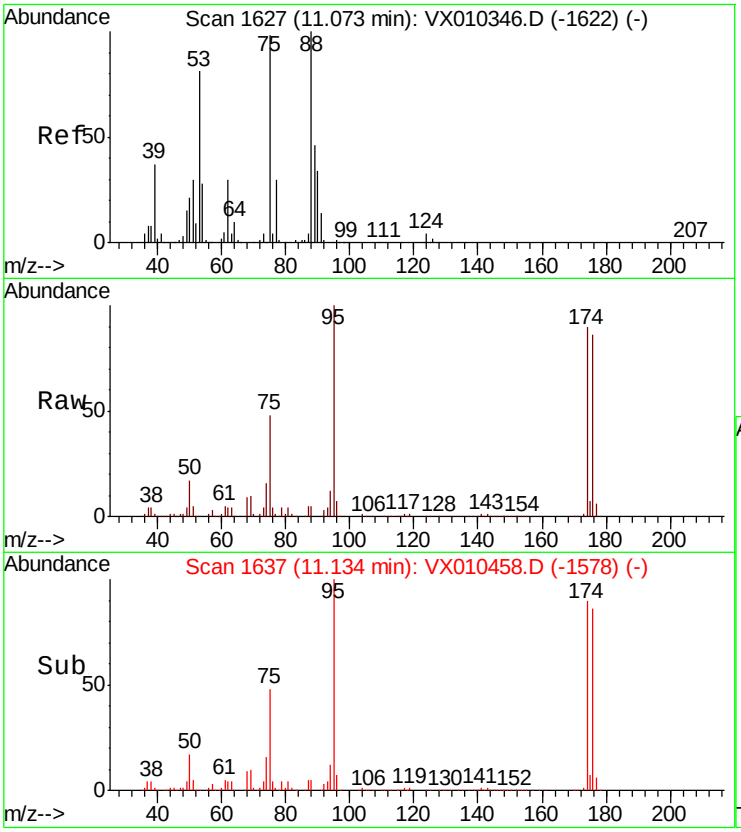




#76
1,2,3-Trichloropropane
Concen: 24.223 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

Tgt Ion: 75 Resp: 71803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 22.6 | 67.8# |






#81
trans-1,4-Dichloro-2-butene
Concen: 56.510 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010458.D
Acq: 26 Jun 2019 13:26

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

Tgt Ion: 75 Resp: 71803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 66.1 | 99.1# |
| 89 | 0.0 | 37.8 | 56.6# |