Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032419\
Data File : VX008387.D
Acq On : 24 Mar 2019 13:22
Operator : JC/SP
Sample : K1945-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** M4-T0-OZ(PRE)

Quant Time: Mar 25 05:45:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 224112 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 388487 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 332782 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 134773 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 167135 | 48.90 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.80% | | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 121474 | 48.26 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.52% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 484882 | 48.71 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.42% | | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 163266 | 44.67 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.34% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 697 | 0.282 | ug/l | # | 81 |
| 11) Tert butyl alcohol | 3.01 | 59 | 1826 | 2.398 | ug/l | | 100 |
| 13) Acrolein | 2.29 | 56 | 269 | 0.413 | ug/l | # | 37 |
| 16) Acetone | 2.45 | 43 | 5526 | 3.234 | ug/l | | 96 |
| 17) Carbon Disulfide | 2.57 | 76 | 1651 | 0.202 | ug/l | | 99 |
| 19) Methyl tert-butyl Ether | 3.20 | 73 | 10312 | 1.122 | ug/l | | 93 |
| 20) Methylene Chloride | 2.86 | 84 | 1200 | 0.390 | ug/l | | 97 |
| 25) 2-Butanone | 4.68 | 43 | 655 | 0.233 | ug/l | # | 88 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 719 | 0.227 | ug/l | | 95 |
| 31) Cyclohexane | 5.67 | 56 | 5584 | 1.039 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 19612 | 4.940 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 23007 | 6.761 | ug/l | # | 16 |
| 44) Trichloroethene | 7.21 | 130 | 11342 | 4.040 | ug/l | | 90 |
| 49) 1,4-Dioxane | 7.74 | 88 | 1598 | 18.762 | ug/l | | 88 |
| 64) Tetrachloroethene | 9.34 | 164 | 478 | 0.220 | ug/l | # | 83 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 84053 | 23.827 | ug/l | # | 39 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 84053 | 67.900 | ug/l | # | 12 |

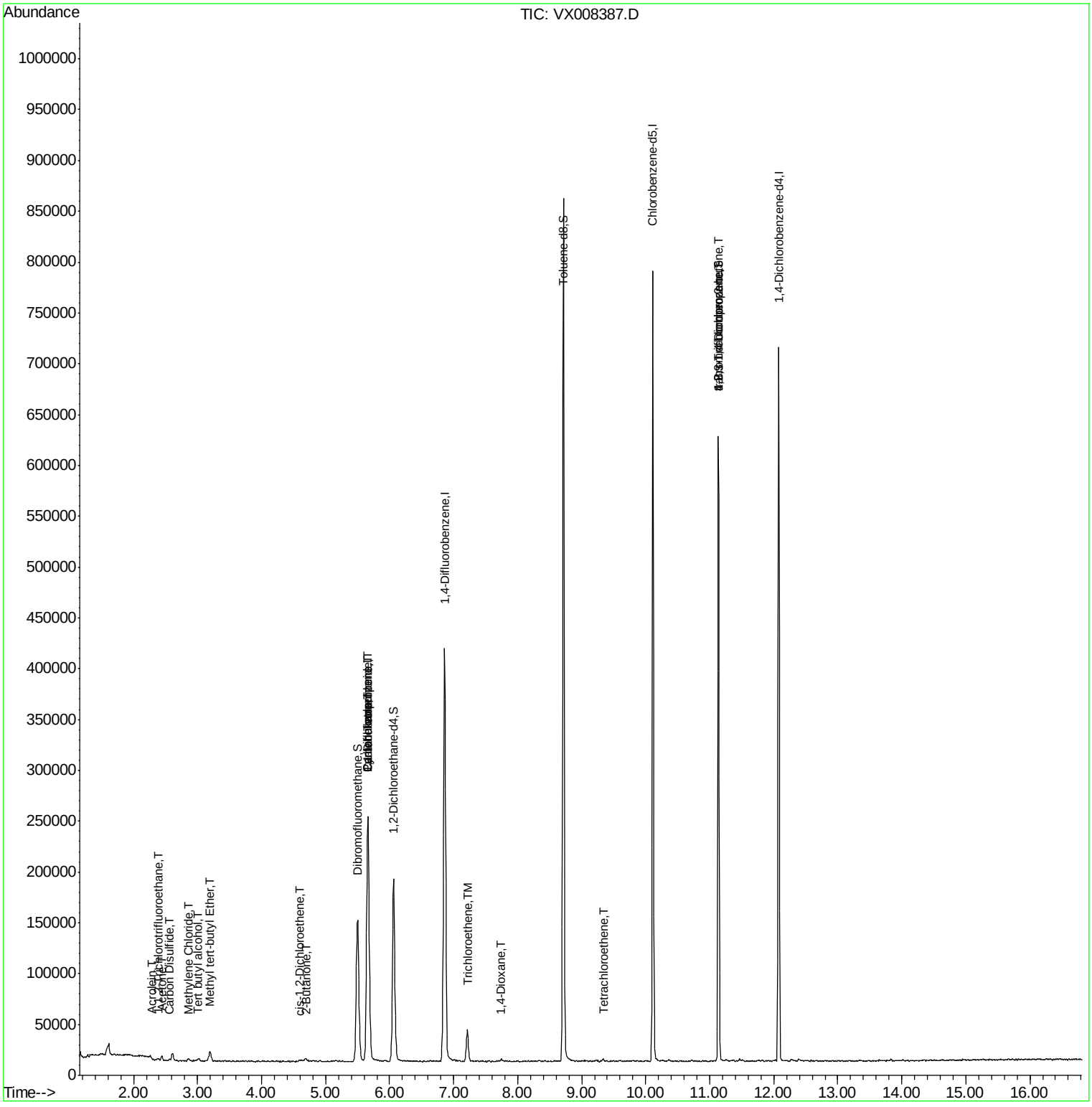
(#) = qualifier out of range (m) = manual integration (+) = signals summed

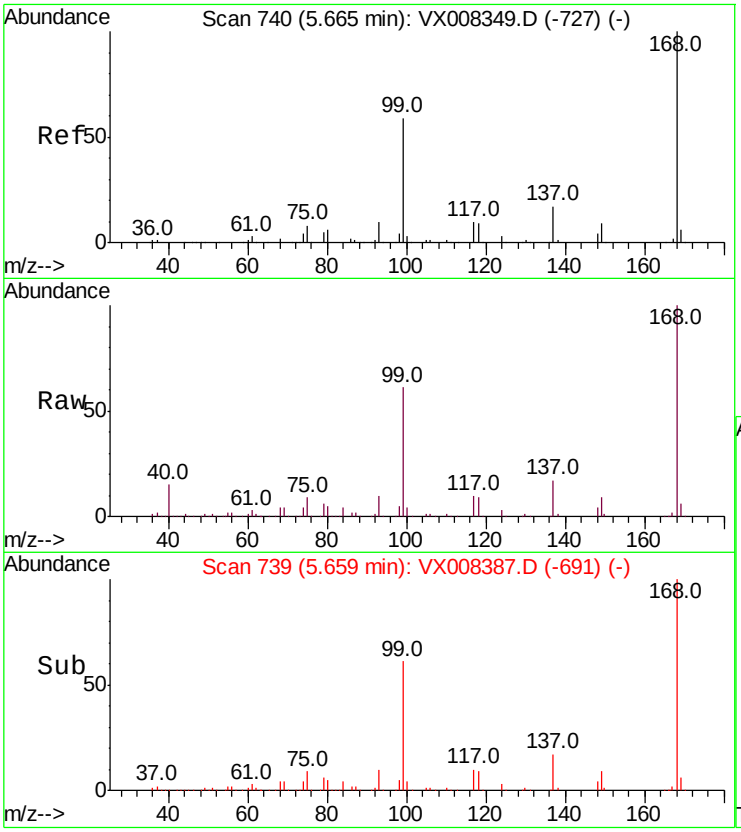
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032419\
Data File : VX008387.D
Acq On : 24 Mar 2019 13:22
Operator : JC/SP
Sample : K1945-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Quant Time: Mar 25 05:45:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 2019
Response via : Initial Calibration



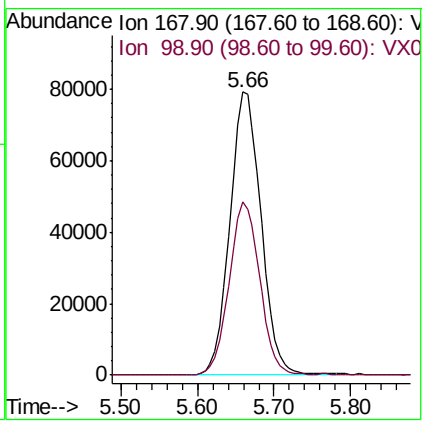


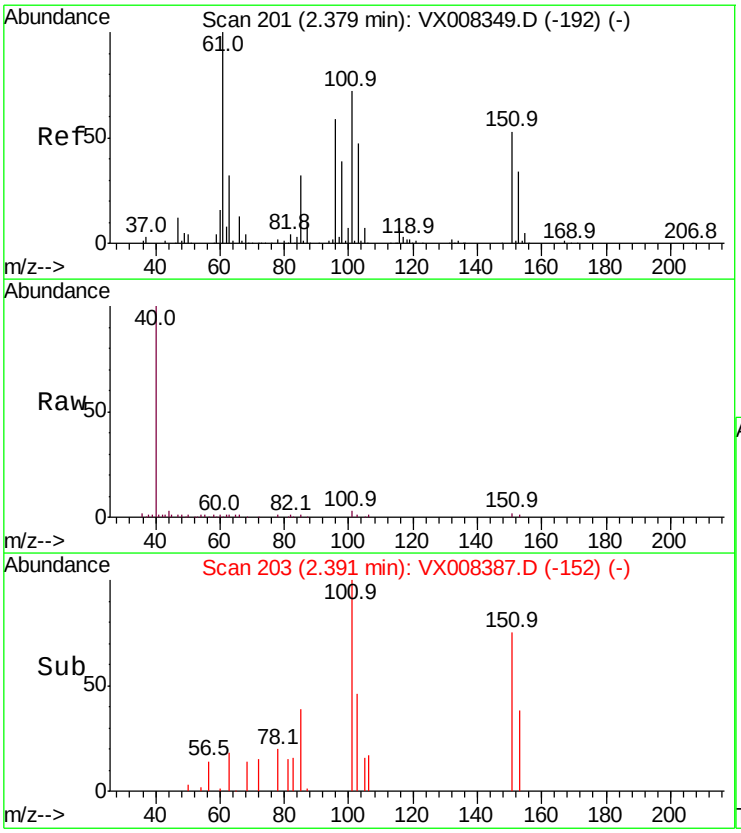

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion:168 Resp: 224112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.4 | 37.6 | 56.4# |

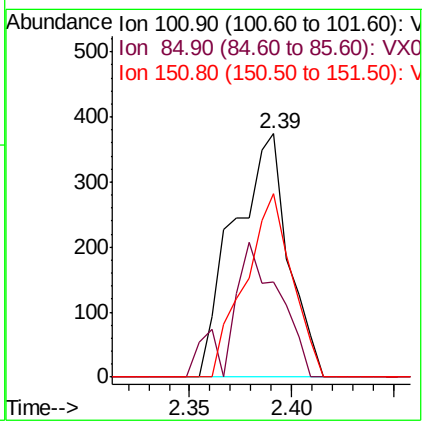


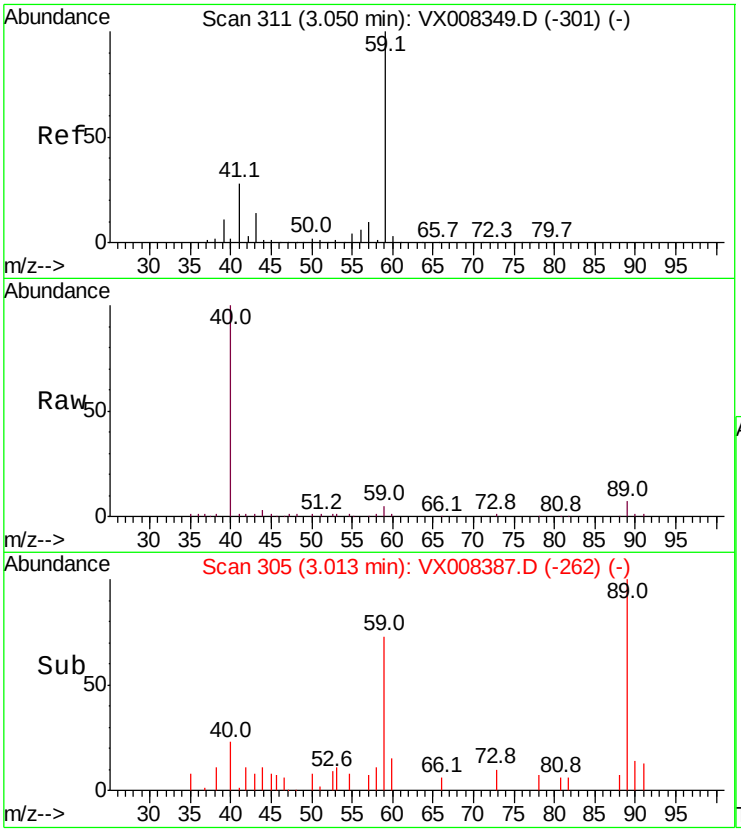




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.282 ug/l
RT: 2.39 min Scan# 203
Delta R.T. 0.01 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion:101 Resp: 697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.6 | 33.8 | 50.6 |
| 151 | 64.7 | 69.1 | 103.7# |



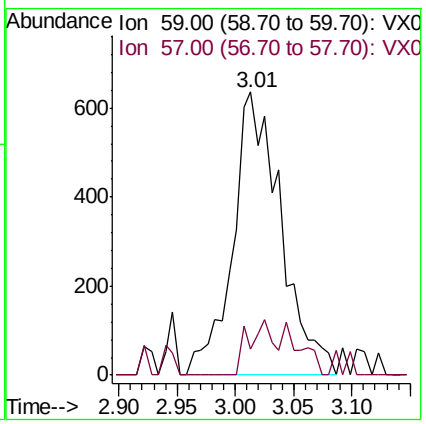


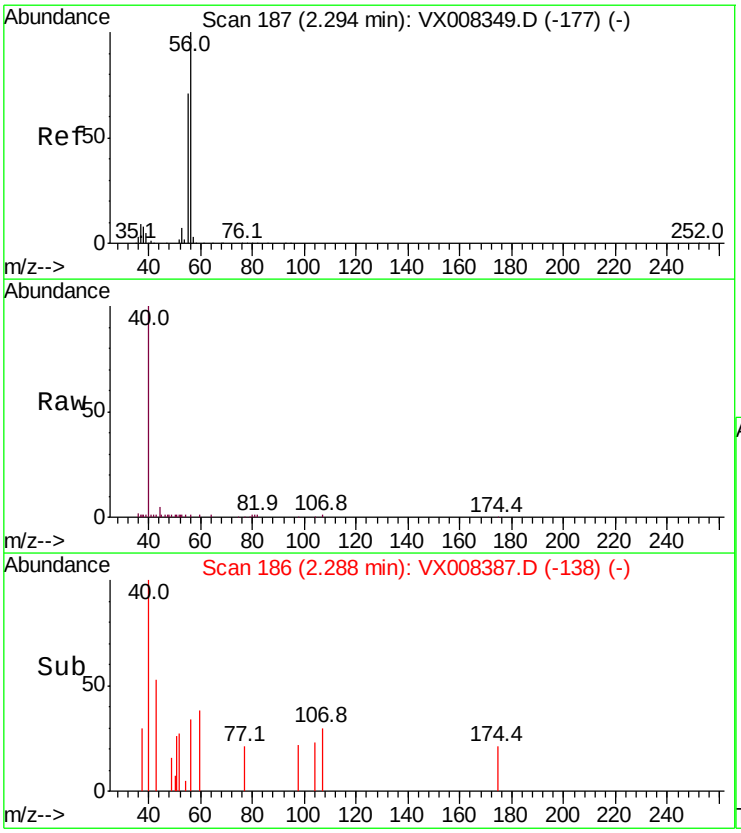

#11
Tert butyl alcohol
Concen: 2.398 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion: 59 Resp: 1826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.2 | 12.2 |

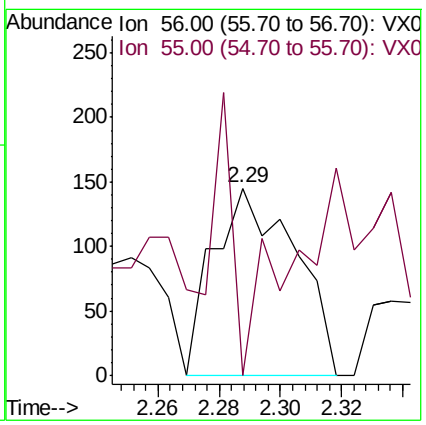


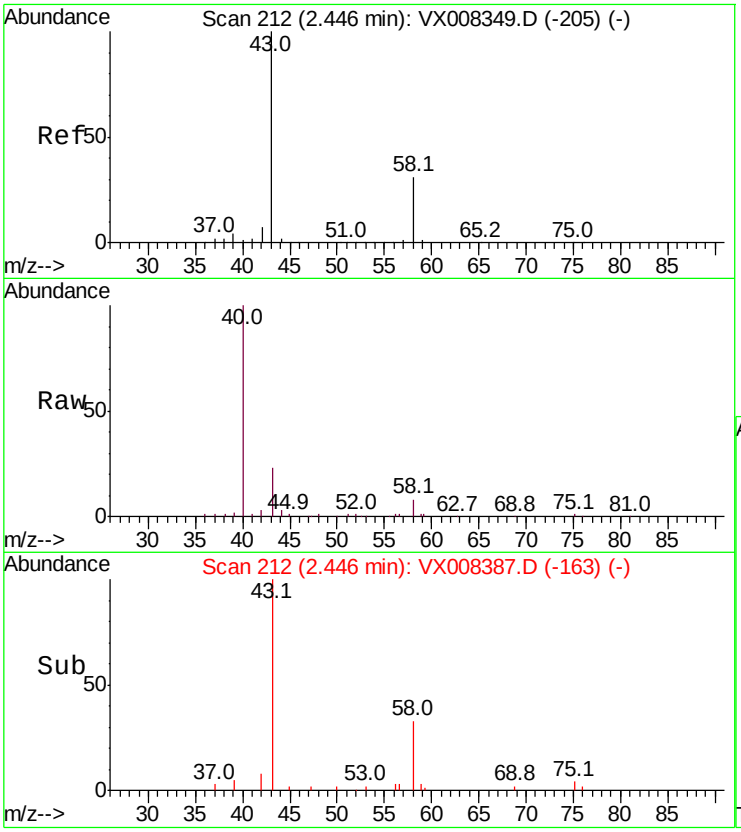




#13
Acrolein
Concen: 0.413 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion: 56 Resp: 269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 19.3 | 57.8 | 86.6# |



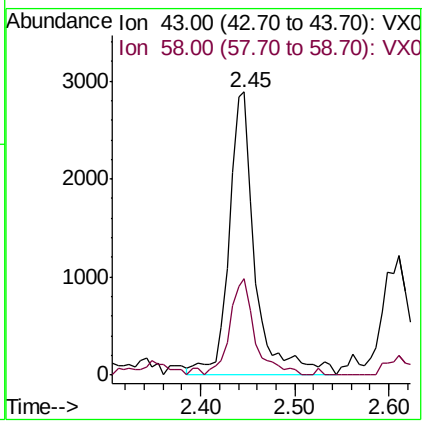


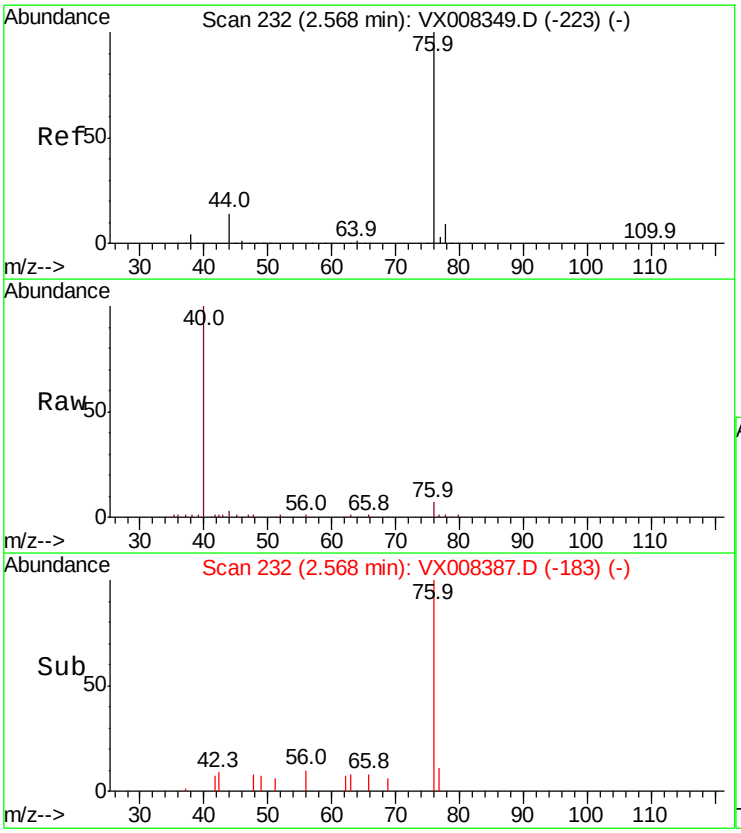

#16
Acetone
Concen: 3.234 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion: 43 Resp: 5526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.3 | 25.5 | 38.3 |

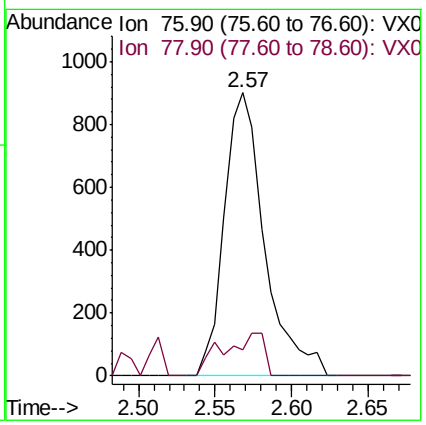


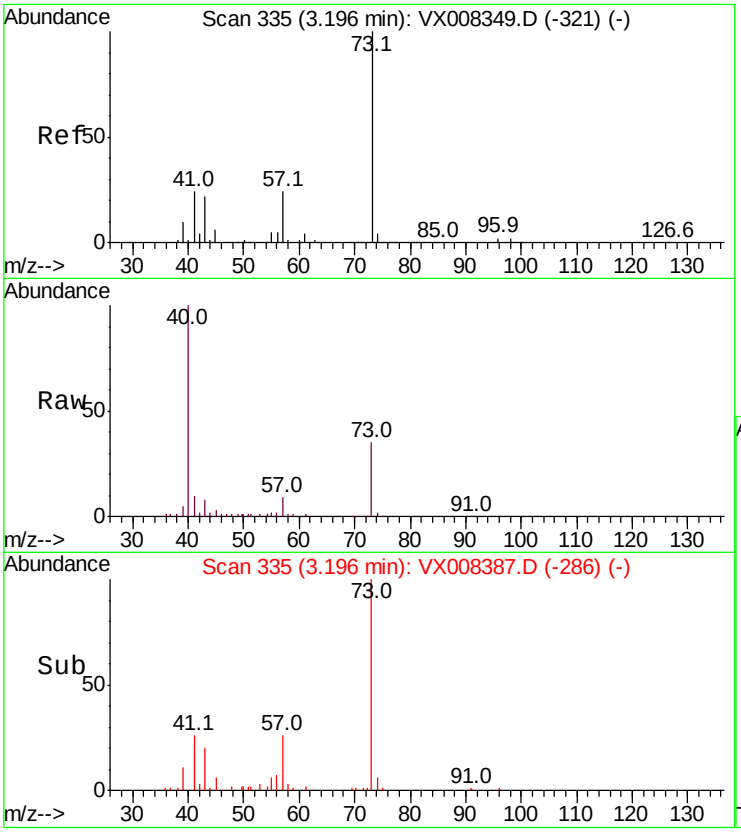




#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion: 76 Resp: 1651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.2 | 10.8 |



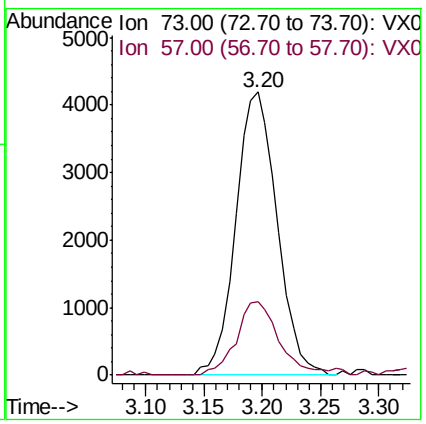


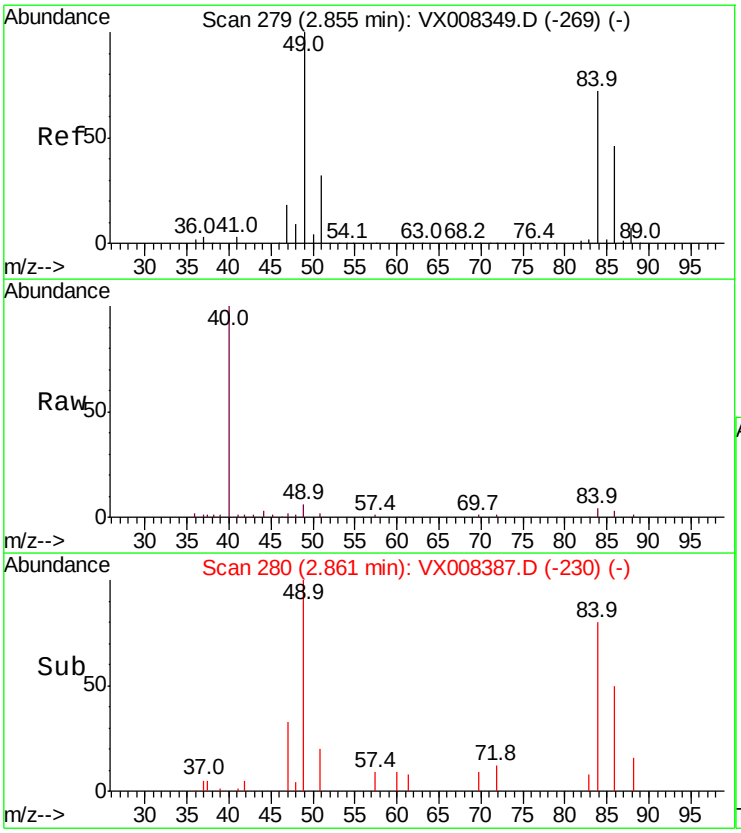

#19
Methyl tert-butyl Ether
Concen: 1.122 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion: 73 Resp: 10312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 26.2 | 18.2 | 27.4 |

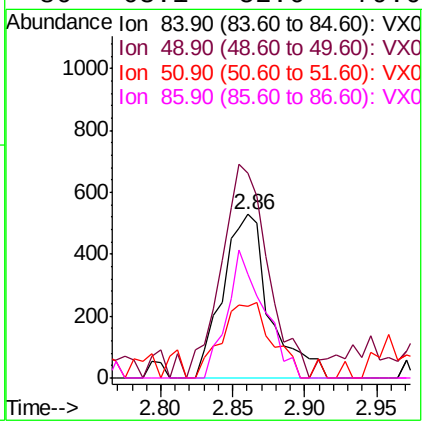


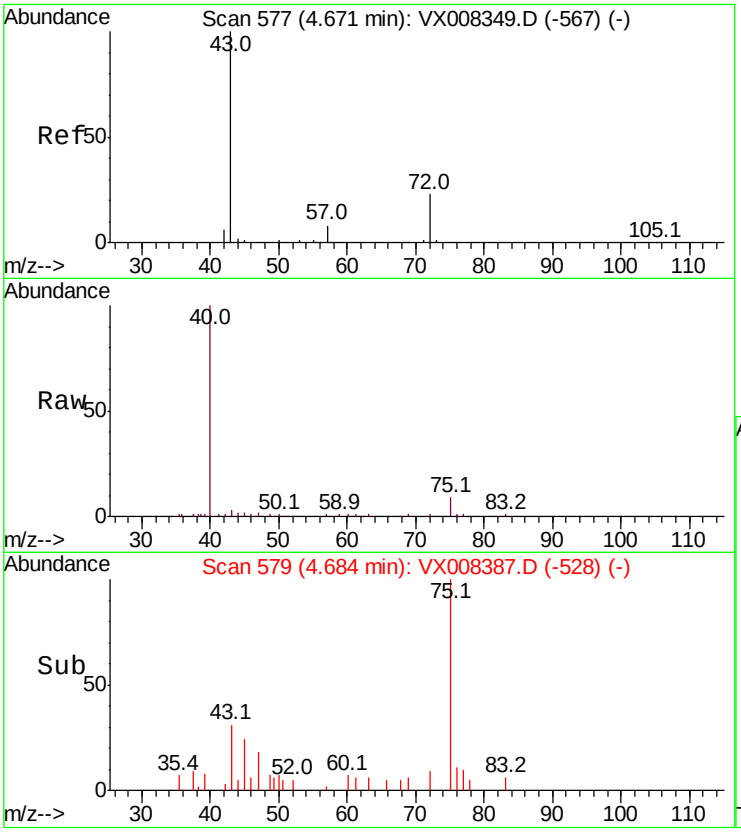




#20
Methylene Chloride
Concen: 0.390 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion: 84 Resp: 1200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.0 | 99.3 | 148.9 |
| 51 | 43.8 | 31.3 | 46.9 |
| 86 | 63.1 | 52.6 | 79.0 |



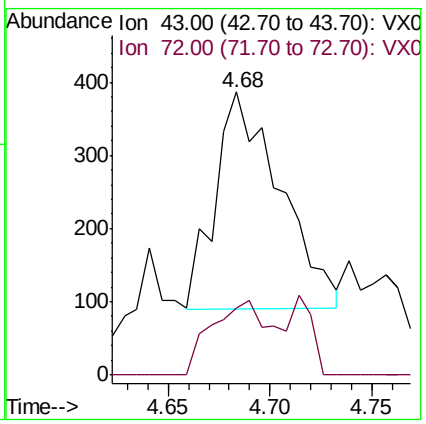


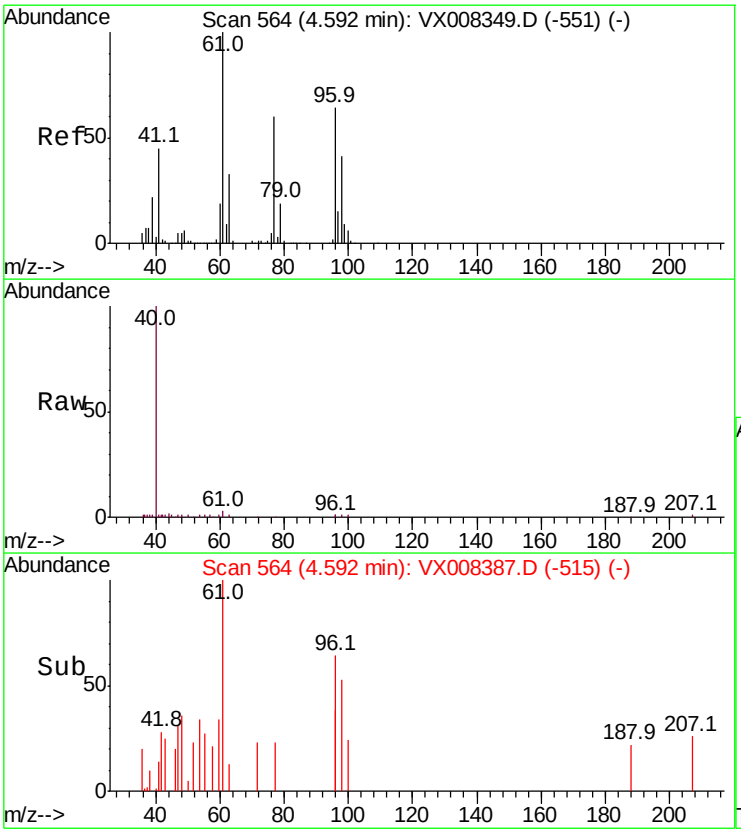

#25
2-Butanone
Concen: 0.233 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion: 43 Resp: 655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 30.8 | 19.9 | 29.9# |

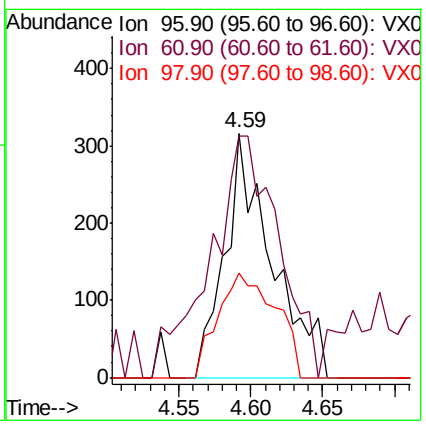


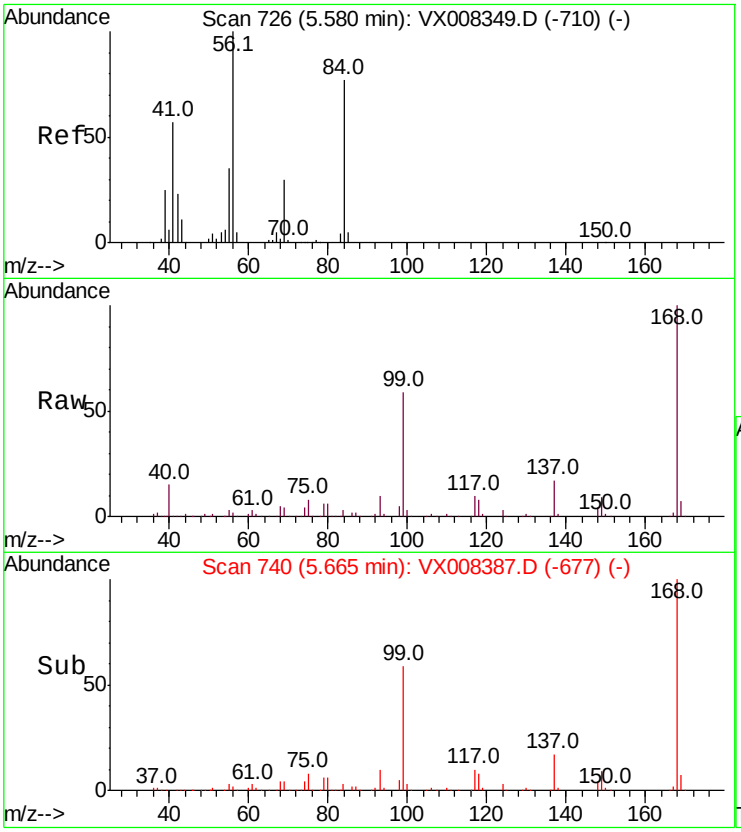




#27
cis-1,2-Dichloroethene
Concen: 0.227 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion: 96 Resp: 719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.4 | 0.0 | 288.0 |
| 98 | 52.3 | 0.0 | 129.0 |



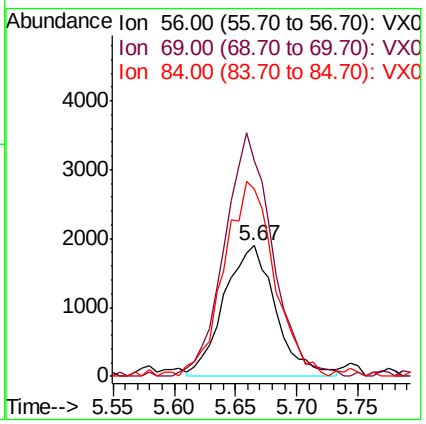


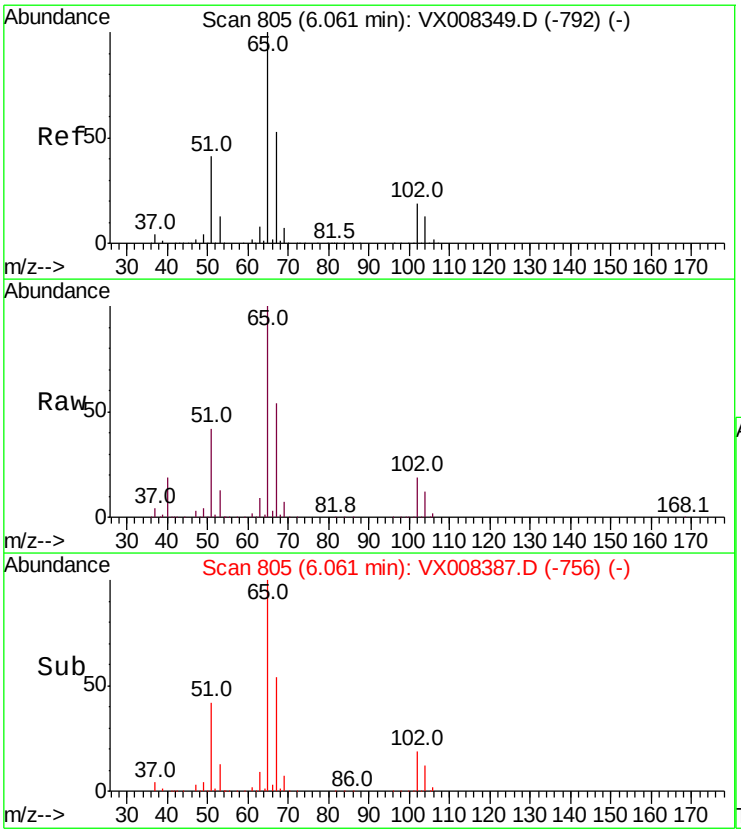

#31
Cyclohexane
Concen: 1.039 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :** MSVOA_X
**ClientSampleId :** M4-T0-OZ(PRE)

Tgt Ion: 56 Resp: 5584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 166.0 | 24.0 | 36.0# |
| 84 | 144.0 | 65.3 | 97.9# |

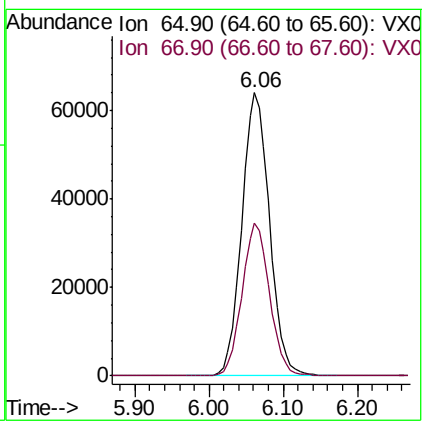


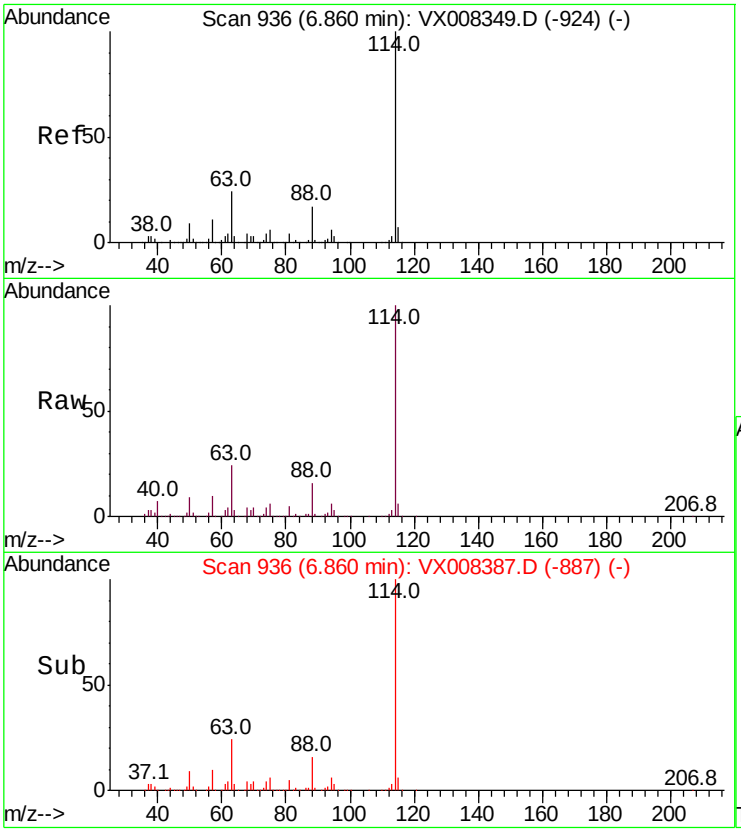




#33
1,2-Dichloroethane-d4
Concen: 48.896 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion: 65 Resp: 167135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.7 | 0.0 | 110.0 |



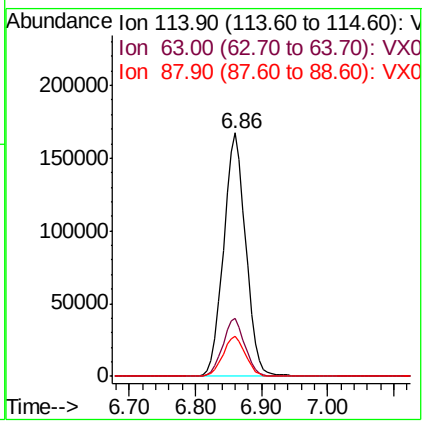


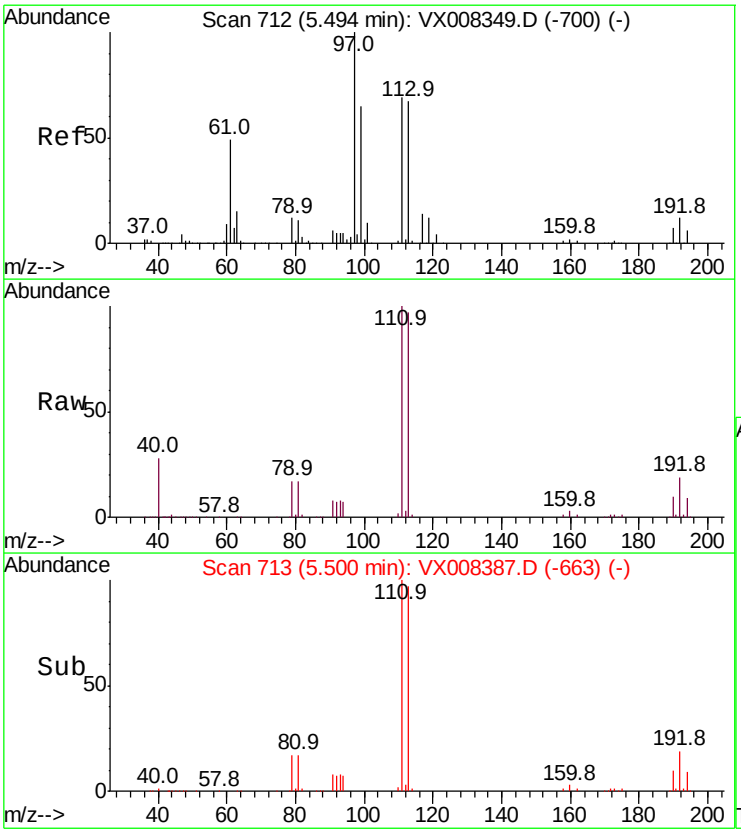

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion:114 Resp: 388487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.9 | 0.0 | 39.8 |
| 88 | 16.5 | 0.0 | 31.4 |

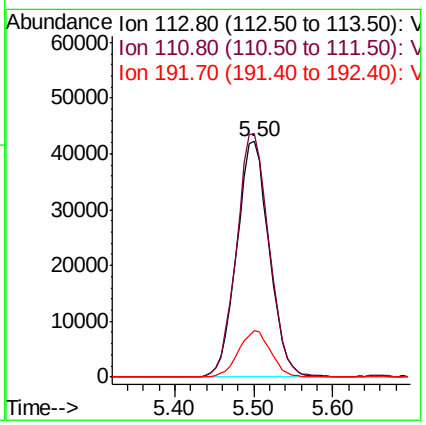


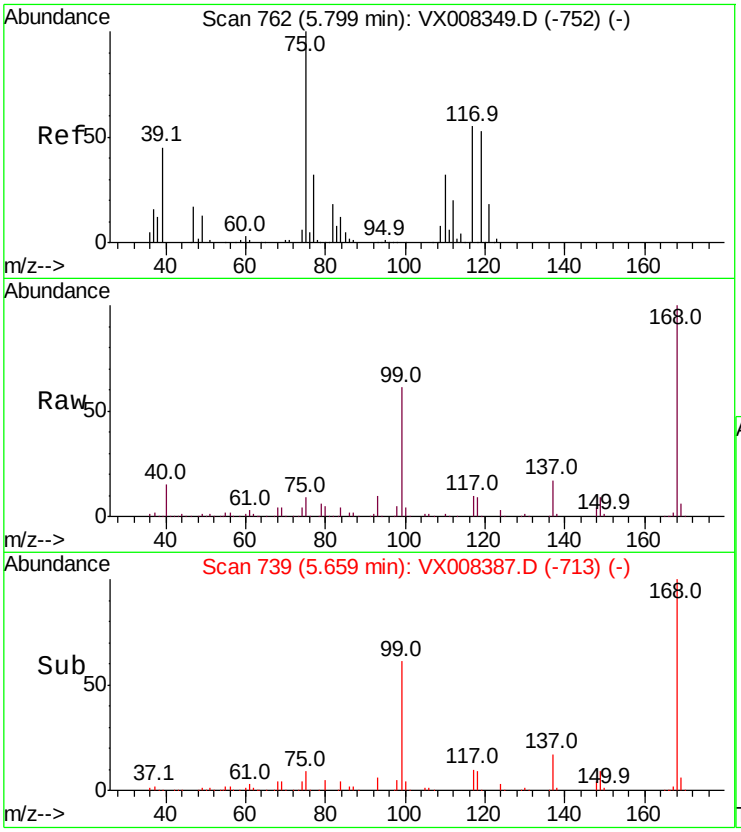




#35
Dibromofluoromethane
Concen: 48.262 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion:113 Resp: 121474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 81.4 | 122.0 |
| 192 | 19.3 | 19.4 | 29.0# |



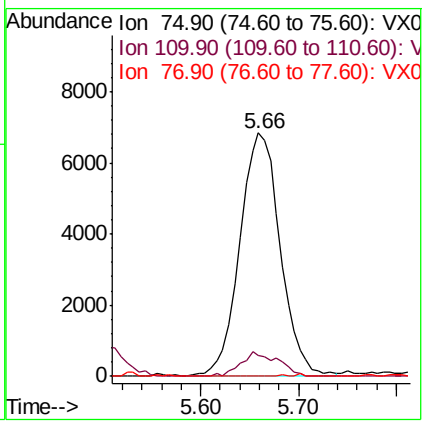


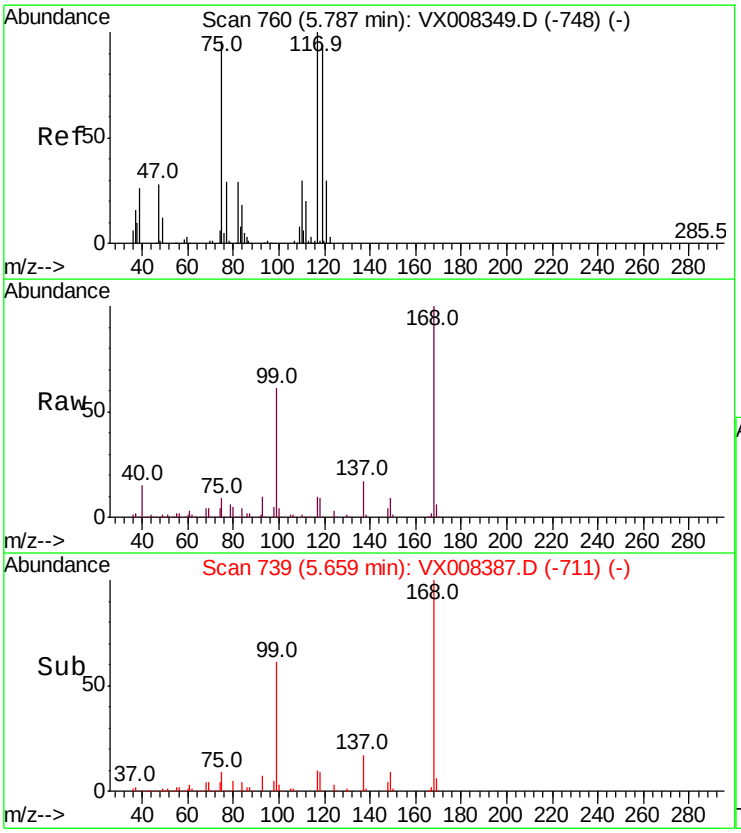

#36
1,1-Dichloropropene
Concen: 4.940 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion: 75 Resp: 19612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.2 | 18.4 | 55.0# |
| 77 | 0.0 | 25.0 | 37.4# |

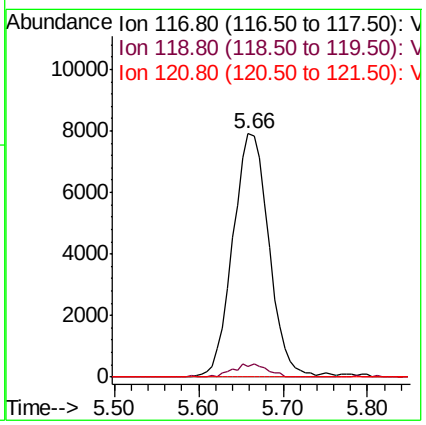


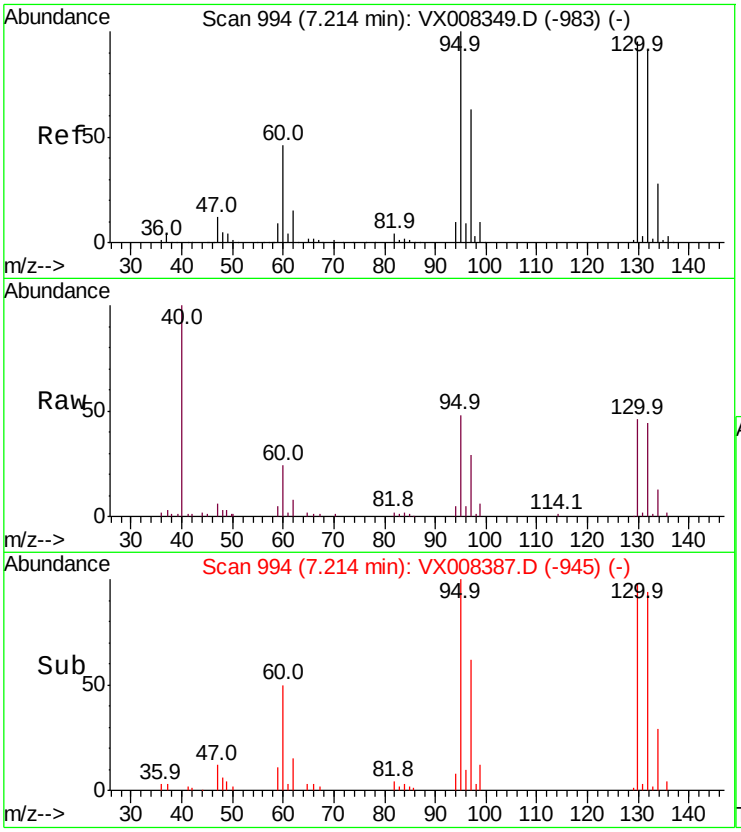




#38
Carbon Tetrachloride
Concen: 6.761 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion:117 Resp: 23007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.2 | 76.2 | 114.2# |
| 121 | 0.0 | 24.6 | 36.8# |



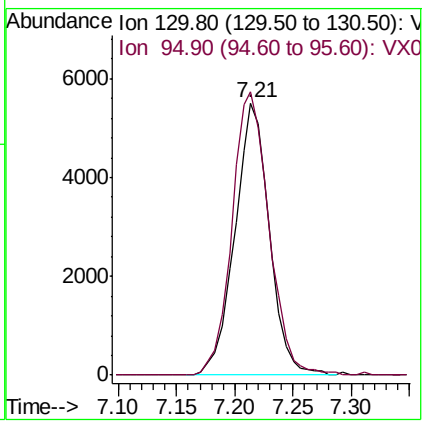


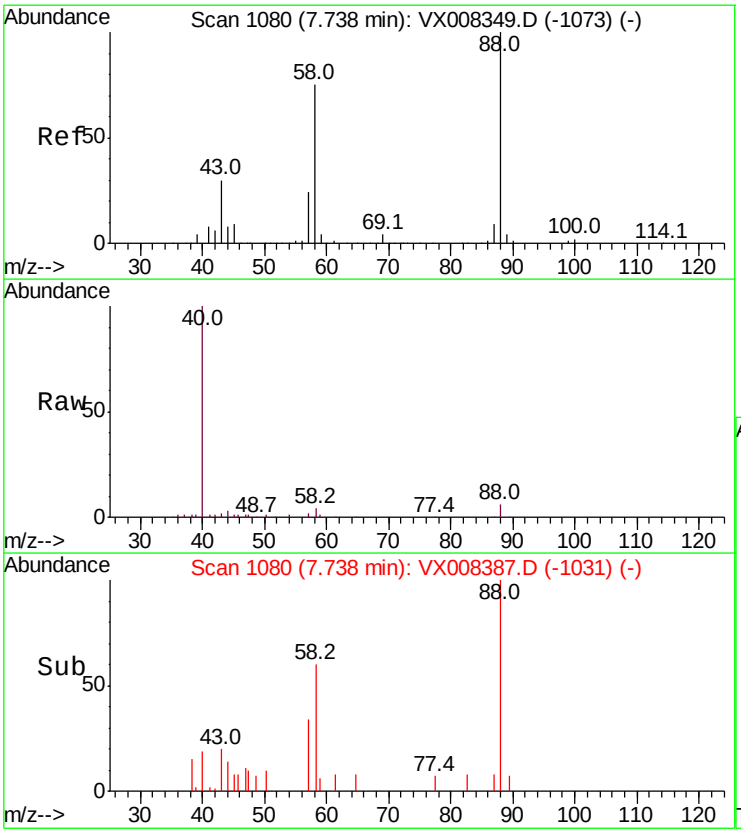

#44
Trichloroethene
Concen: 4.040 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion:130 Resp: 11342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 104.0 | 0.0 | 188.0 |

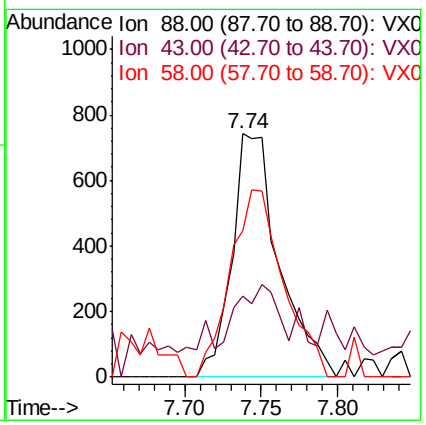


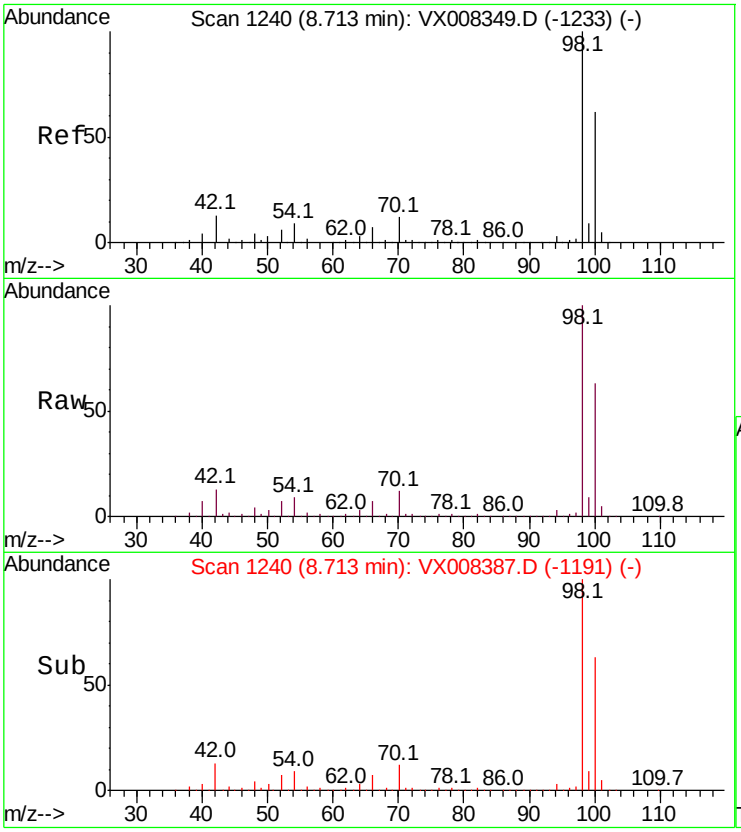




#49
1,4-Dioxane
Concen: 18.762 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion: 88 Resp: 1598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 30.4 | 25.1 | 37.7 |
| 58 | 86.2 | 57.8 | 86.6 |



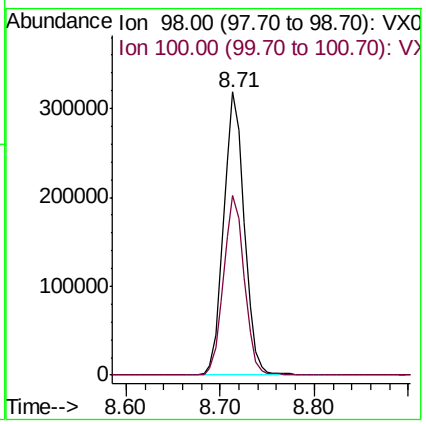


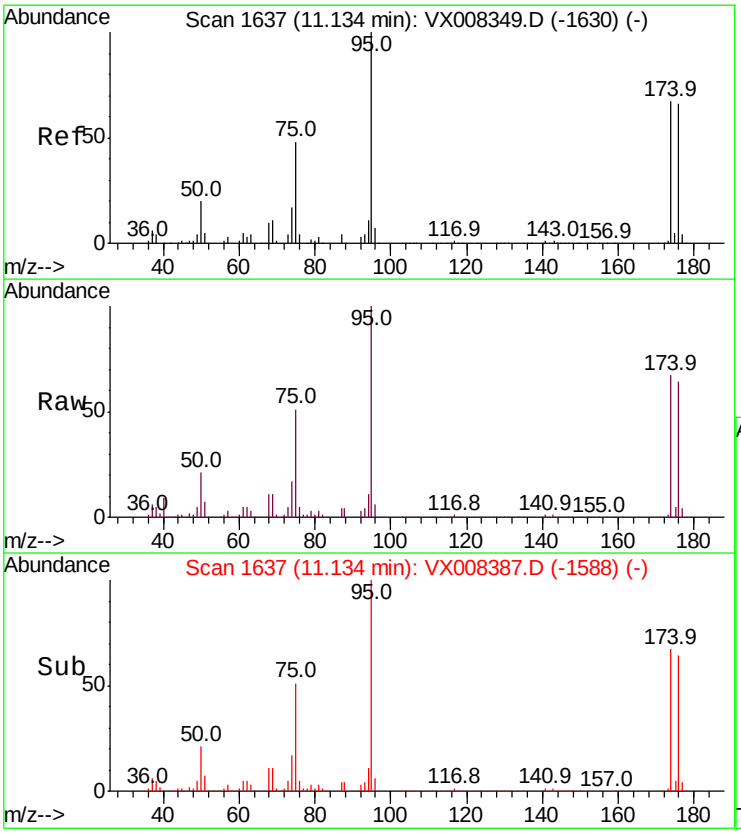

#50
Toluene-d8
Concen: 48.706 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion: 98 Resp: 484882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.7 | 51.7 | 77.5 |

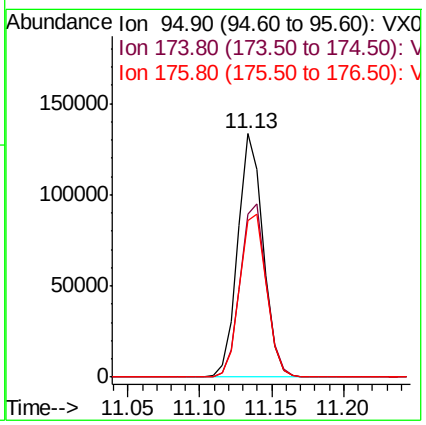


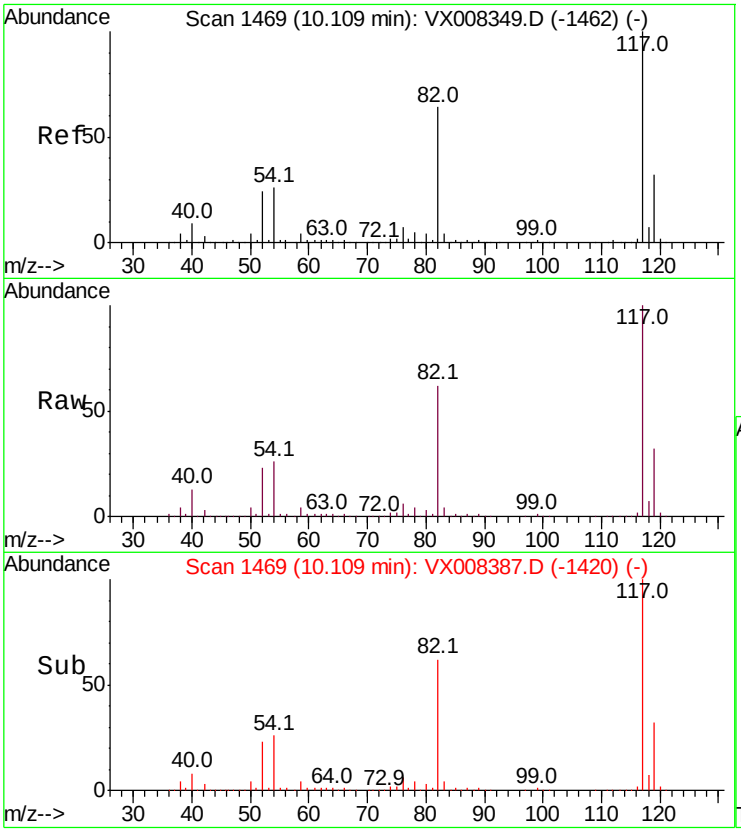




#62
4-Bromofluorobenzene
Concen: 44.666 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion: 95 Resp: 163266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.3 | 0.0 | 182.8 |
| 176 | 70.6 | 0.0 | 178.0 |



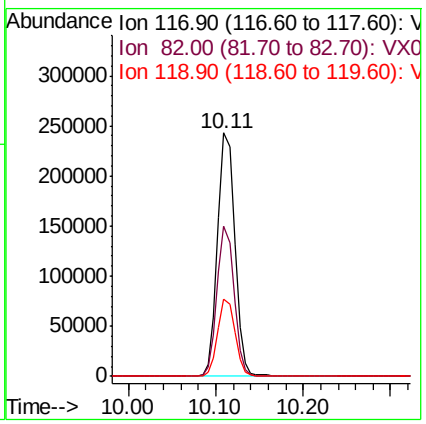


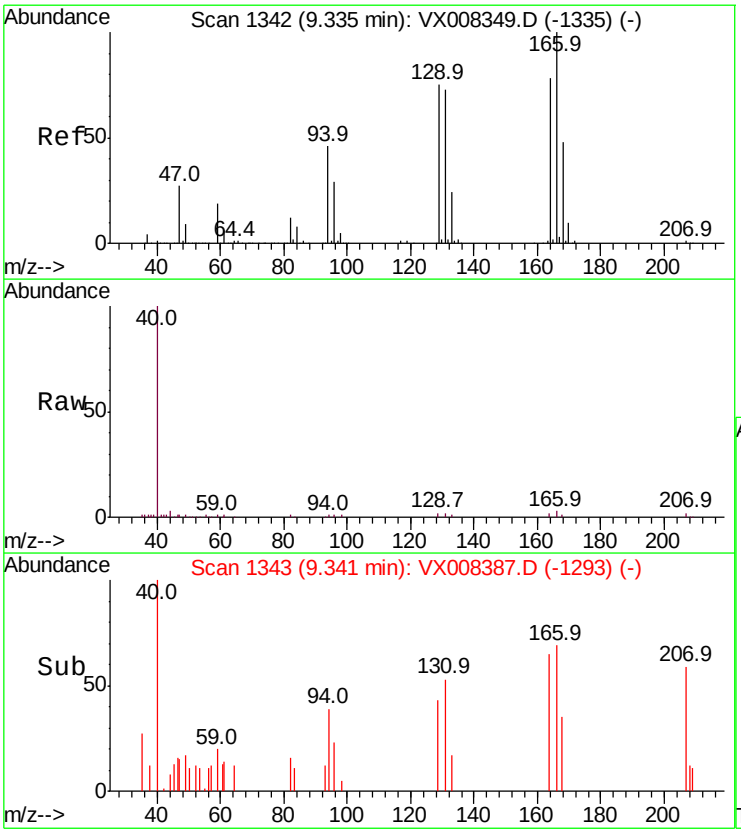

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :** MSVOA_X
**ClientSampleId :** M4-T0-OZ(PRE)

Tgt Ion:117 Resp: 332782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.7 | 44.3 | 66.5 |
| 119 | 31.7 | 25.3 | 37.9 |

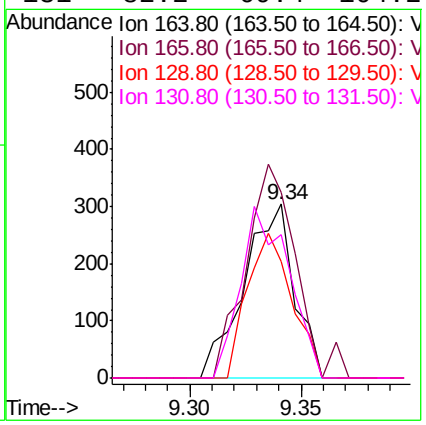


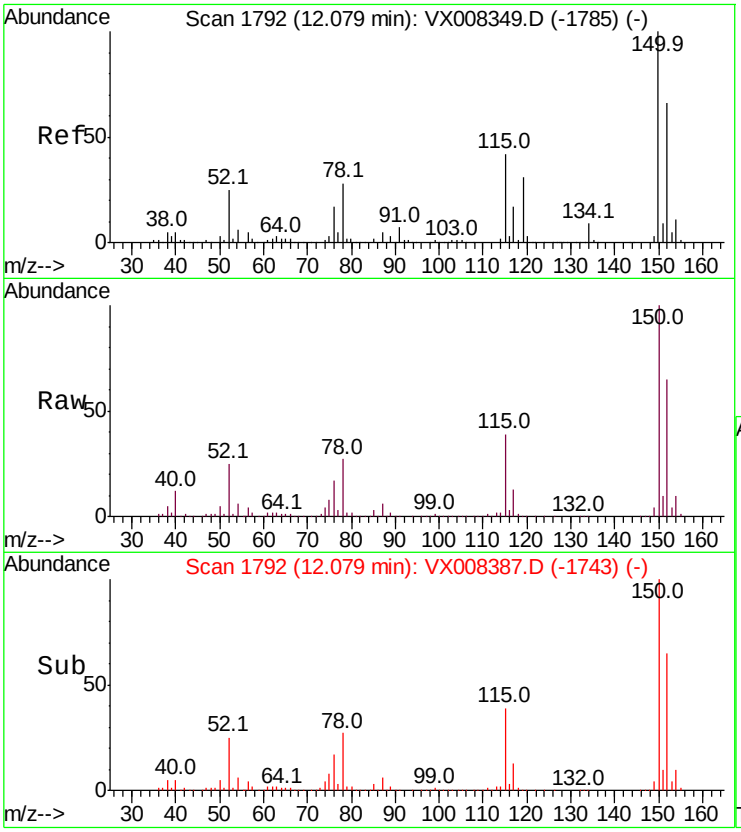




#64
Tetrachloroethene
Concen: 0.220 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion:164 Resp: 478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 106.6 | 103.4 | 155.0 |
| 129 | 67.1 | 72.2 | 108.4# |
| 131 | 82.2 | 69.4 | 104.2 |



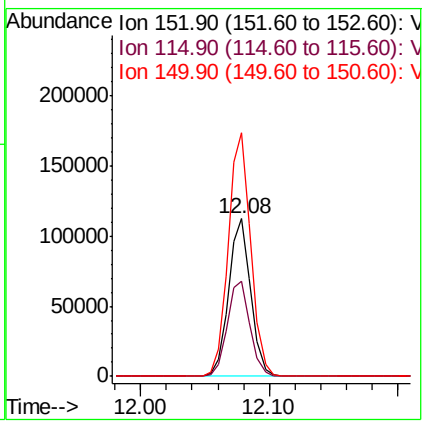


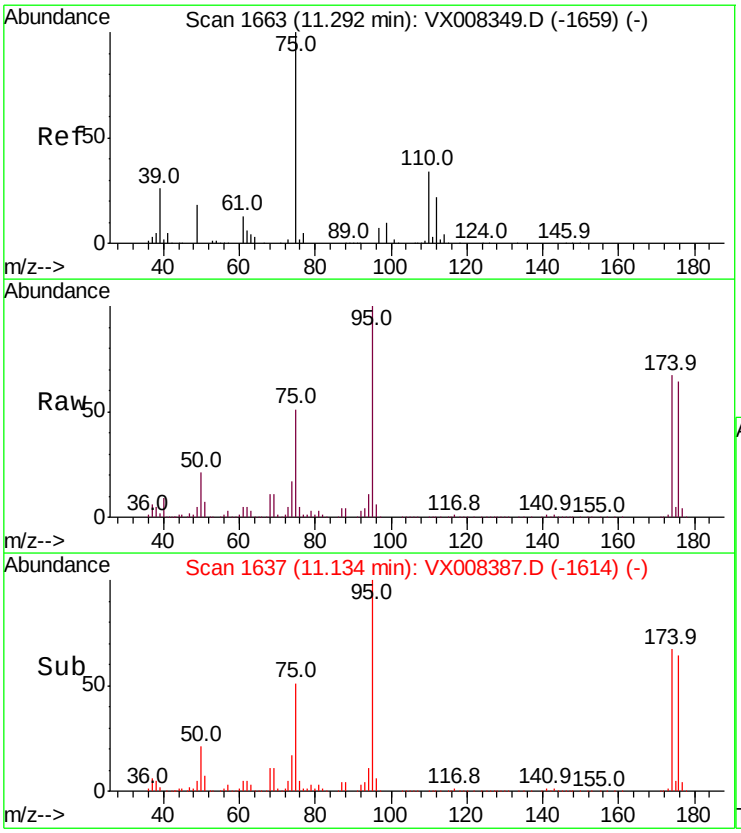

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :** MSVOA_X
**ClientSampleId :** M4-T0-OZ(PRE)

Tgt Ion:152 Resp: 134773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.5 | 38.6 | 115.7 |
| 150 | 157.4 | 0.0 | 348.4 |

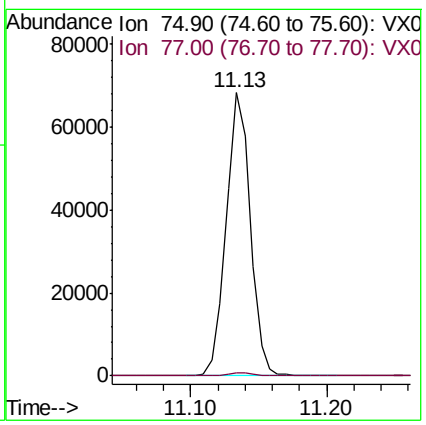


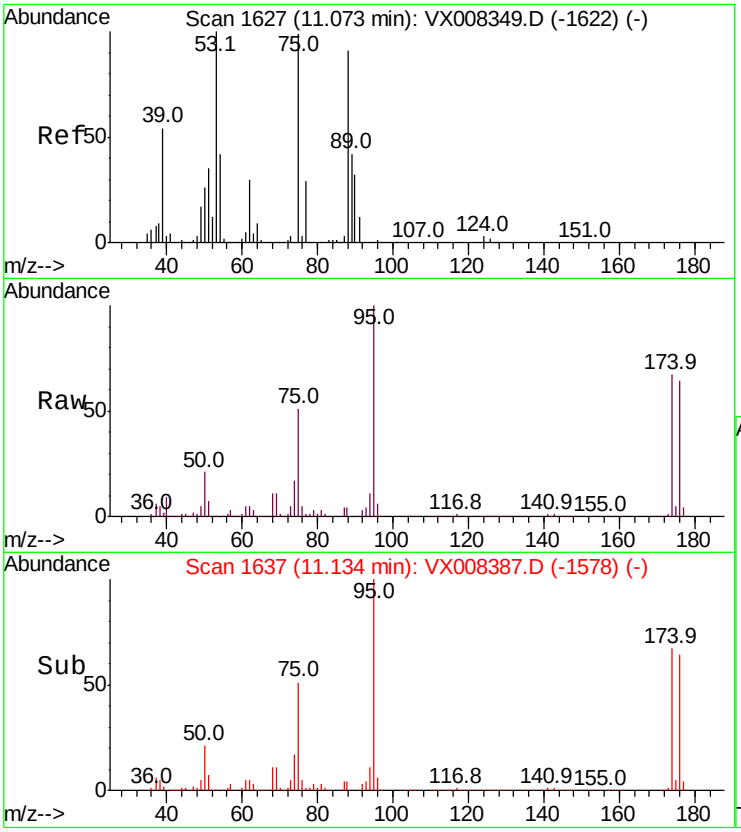




#76
1,2,3-Trichloropropane
Concen: 23.827 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

Tgt Ion: 75 Resp: 84053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 18.9 | 56.7# |






#81
trans-1,4-Dichloro-2-butene
Concen: 67.900 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008387.D
Acq: 24 Mar 2019 13:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
M4-T0-OZ(PRE)

Tgt Ion: 75 Resp: 84053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 76.1 | 114.1# |
| 89 | 0.0 | 36.3 | 54.5# |