Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
Data File : VX011950.D
Acq On : 31 Aug 2019 14:55
Operator : SY/SP
Sample : K4516-14
Misc : 6.24g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** T2-S-B3-(2.5)

Quant Time: Sep 01 01:50:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 410541 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 545659 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 471831 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 239510 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 170390 | 43.32 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 86.64% | | | |
| 35) Dibromofluoromethane | 5.48 | 113 | 160145 | 45.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.54% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 611731 | 48.91 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.82% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 221511 | 40.37 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 80.74% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Diethyl Ether | 2.17 | 74 | 1946 | 1.189 | ug/l | 98 |
| 10) Methyl Iodide | 2.52 | 142 | 643 | 3.852 | ug/l # | 44 |
| 11) Tert butyl alcohol | 3.02 | 59 | 2572 | 6.797 | ug/l | 97 |
| 13) Acrolein | 2.27 | 56 | 241 | 1.280 | ug/l # | 13 |
| 16) Acetone | 2.43 | 43 | 48390 | 57.178 | ug/l | 99 |
| 20) Methylene Chloride | 2.84 | 84 | 13476 | Below Cal | | 96 |
| 29) Tetrahydrofuran | 5.14 | 42 | 4216 | 5.480 | ug/l | 94 |
| 30) Chloroform | 5.20 | 83 | 13164 | 2.022 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 24373 | 5.638 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 35154 | 7.012 | ug/l # | 15 |
| 41) Methacrylonitrile | 5.12 | 41 | 2091 | 1.388 | ug/l # | 56 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 109987 | 46.682 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 109987 | 117.274 | ug/l # | 11 |

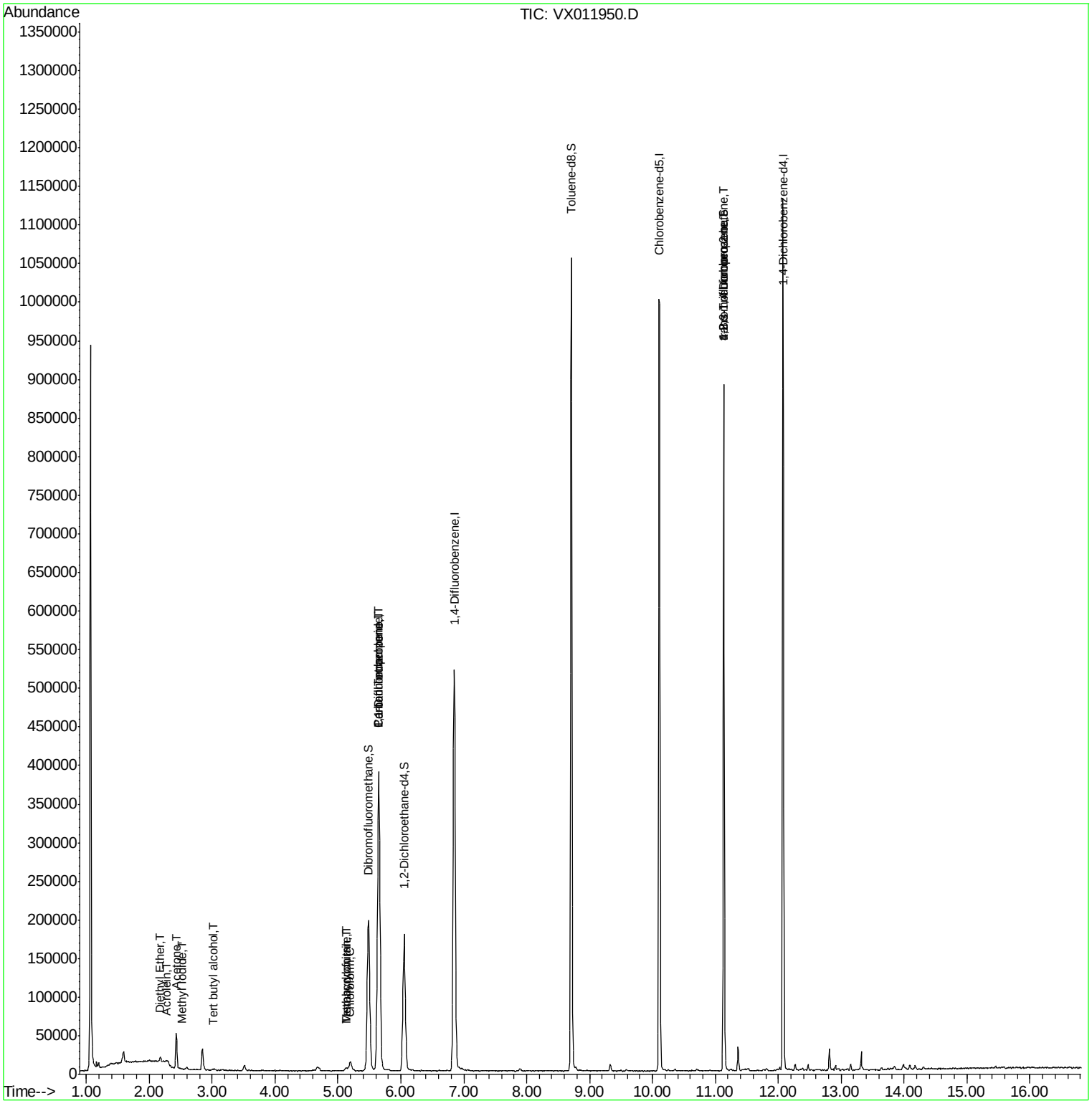
(#) = qualifier out of range (m) = manual integration (+) = signals summed

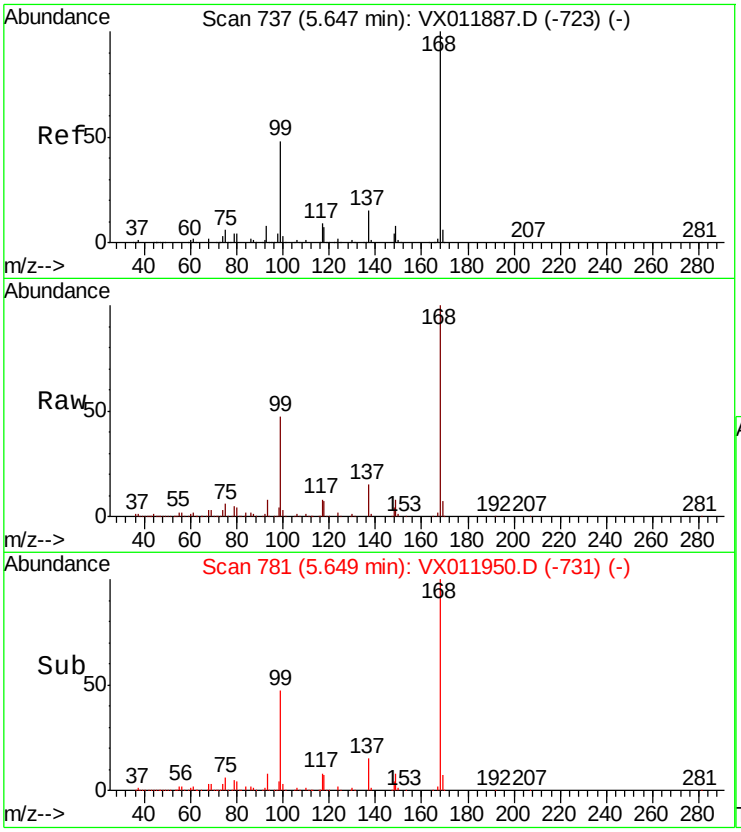
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
Data File : VX011950.D
Acq On : 31 Aug 2019 14:55
Operator : SY/SP
Sample : K4516-14
Misc : 6.24g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Quant Time: Sep 01 01:50:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration



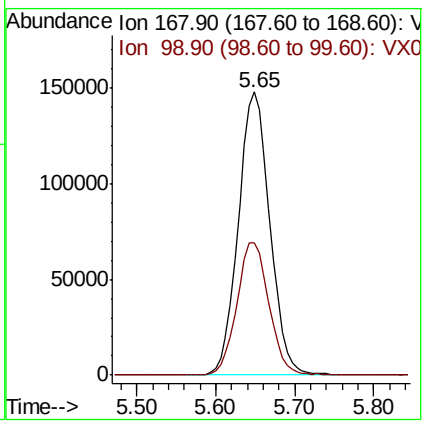


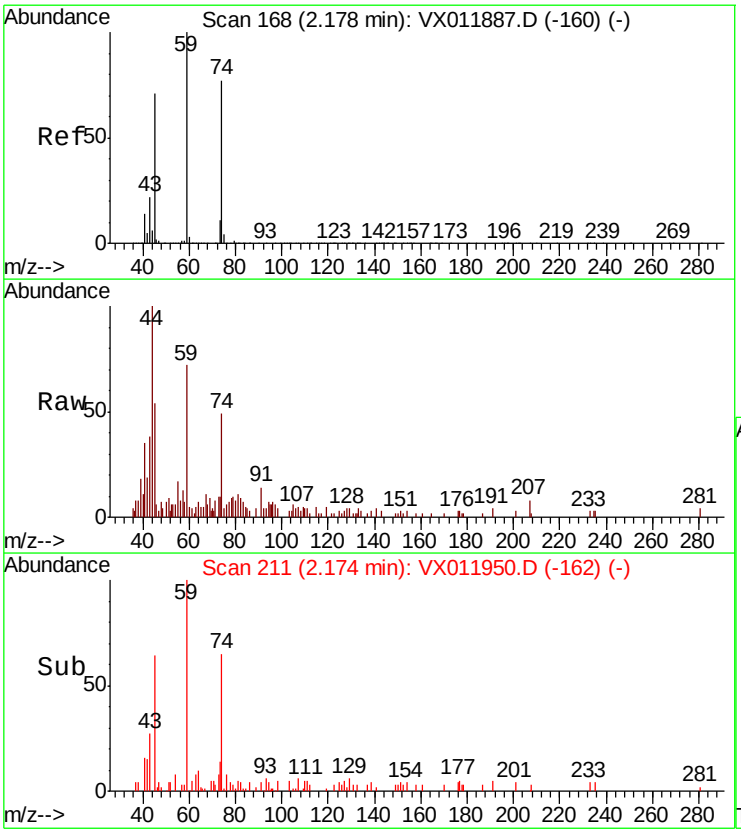

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion:168 Resp: 410541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 46.8 | 38.4 | 57.6 |

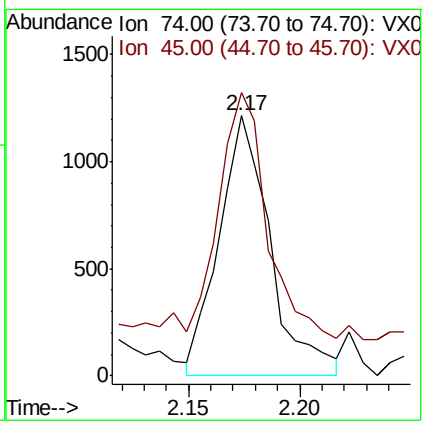


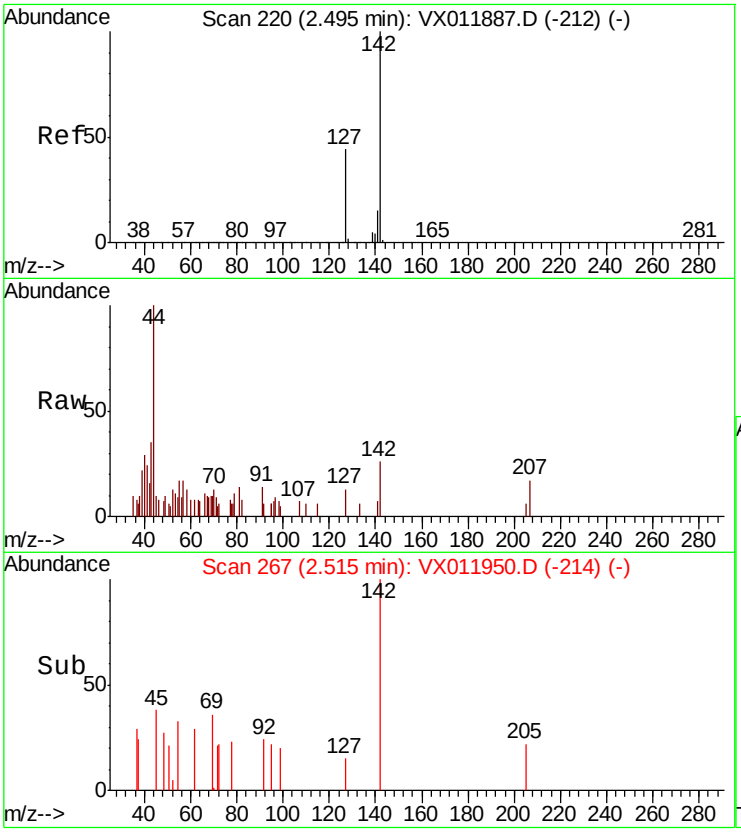




#8
Diethyl Ether
Concen: 1.189 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion: 74 Resp: 1946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.2 | 46.7 | 140.1 |



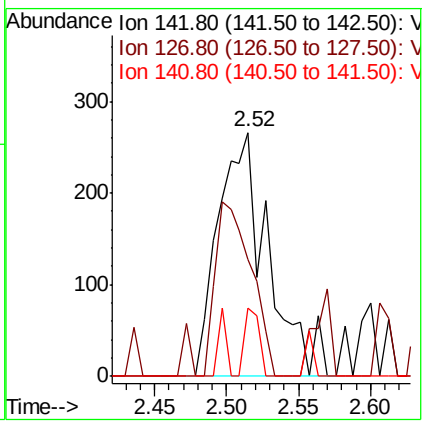


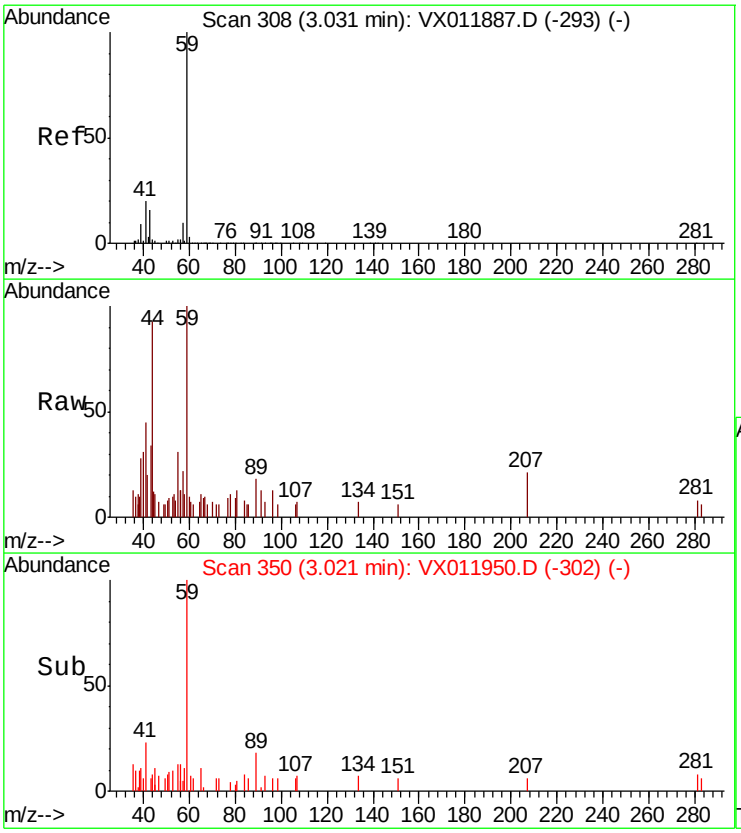

#10
Methyl Iodide
Concen: 3.852 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion:142 Resp: 643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 35.7 | 53.5# |
| 141 | 7.9 | 11.8 | 17.6# |

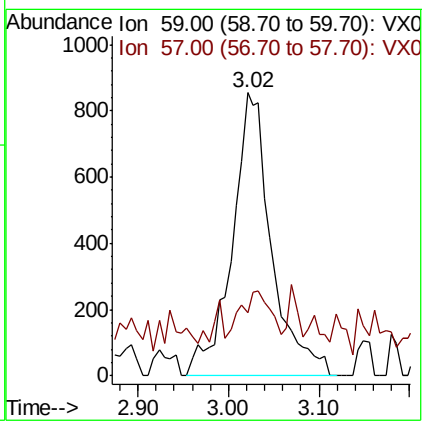


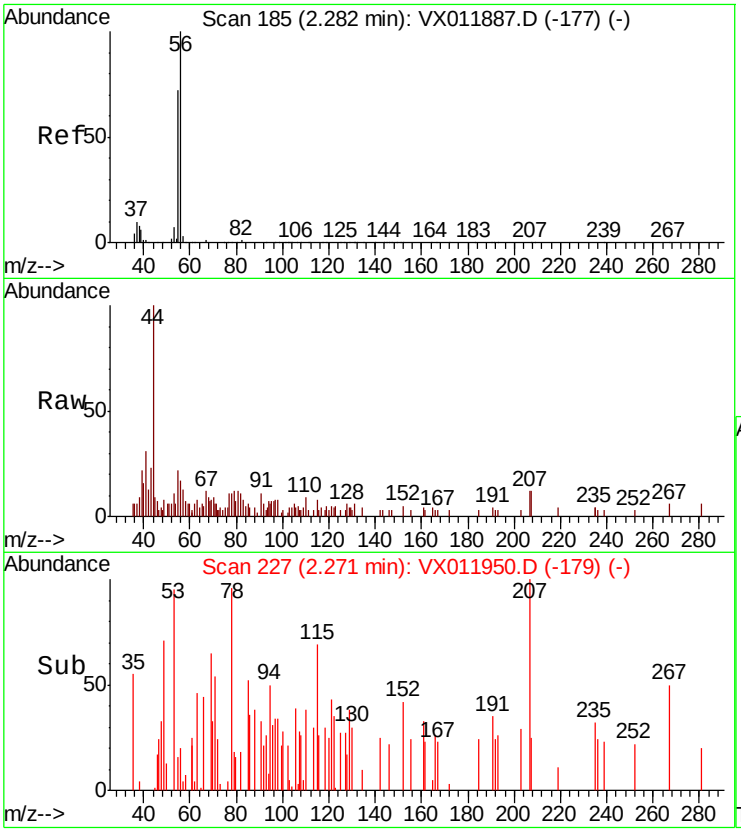




#11
Tert butyl alcohol
Concen: 6.797 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion: 59 Resp: 2572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.9 | 8.6 | 12.8 |



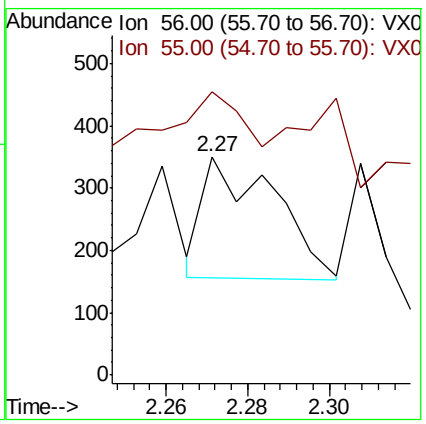


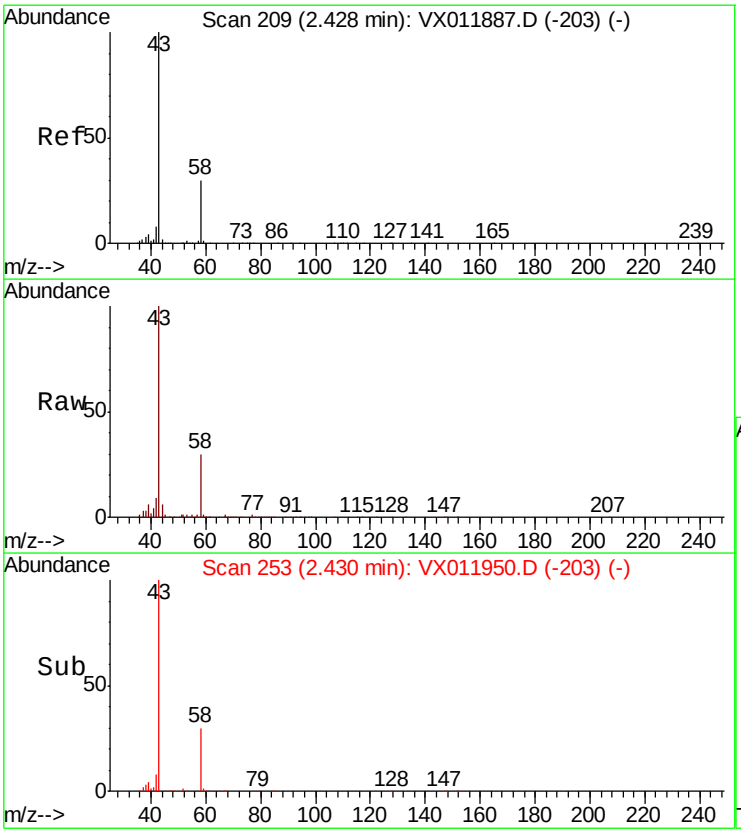

#13
Acrolein
Concen: 1.280 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion: 56 Resp: 241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 58.6 | 88.0# |

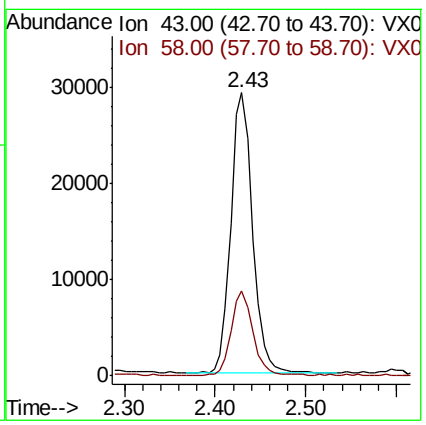


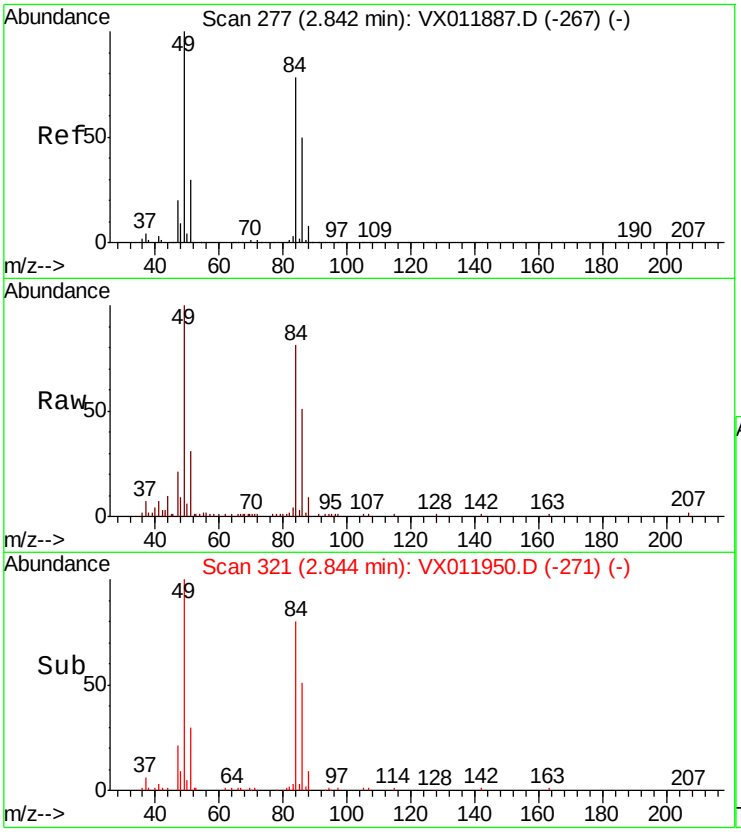




#16
Acetone
Concen: 57.178 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion: 43 Resp: 48390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.1 | 23.8 | 35.8 |



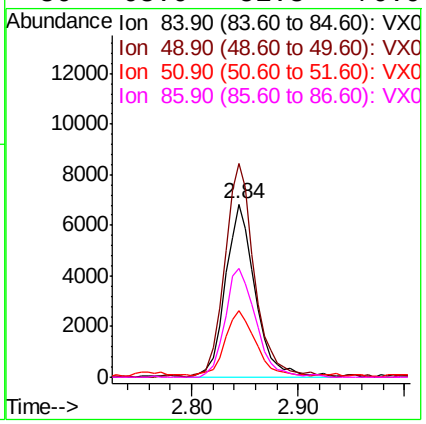


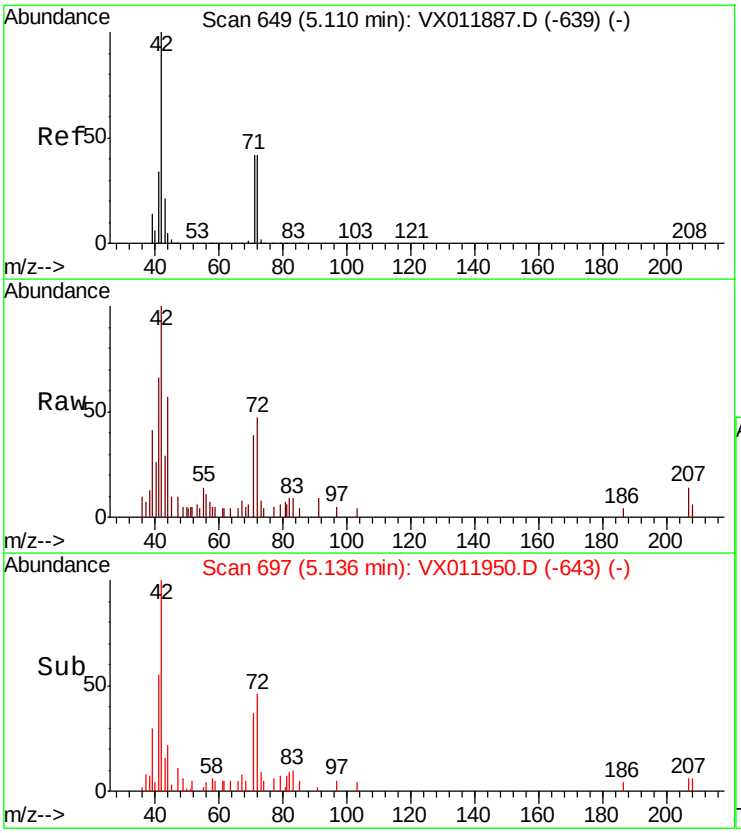

#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion: 84 Resp: 13476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.3 | 103.0 | 154.4 |
| 51 | 36.6 | 30.8 | 46.2 |
| 86 | 63.0 | 51.3 | 76.9 |

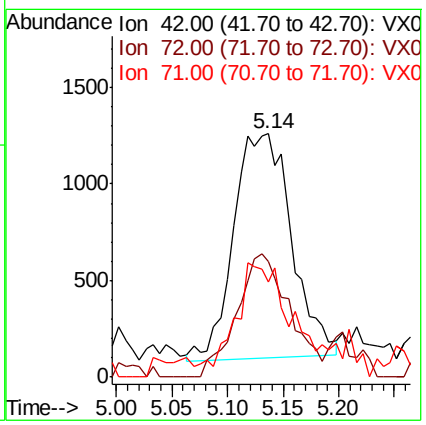


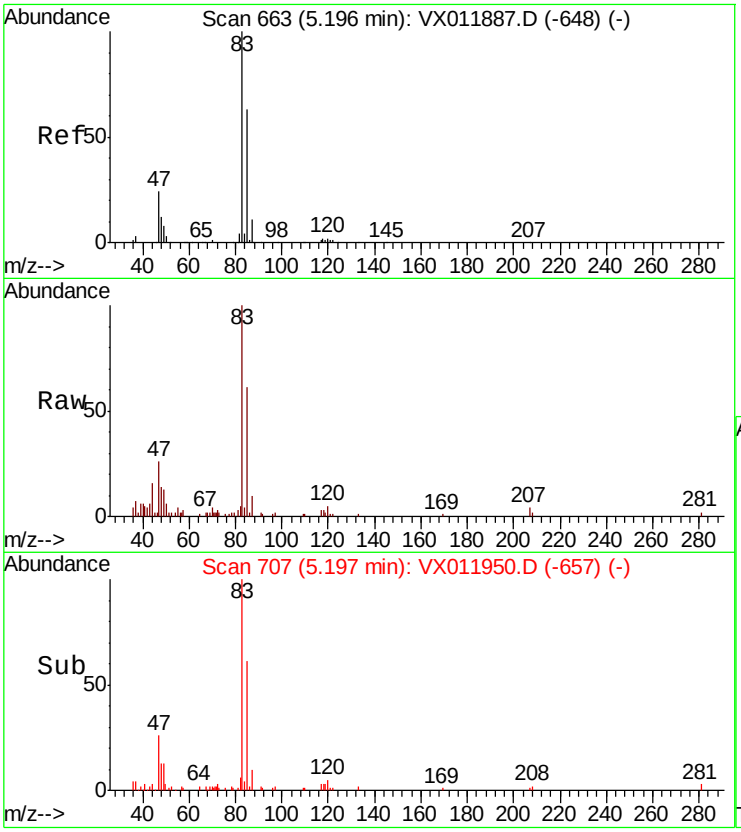




#29
Tetrahydrofuran
Concen: 5.480 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.03 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion: 42 Resp: 4216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 50.0 | 36.2 | 54.4 |
| 71 | 39.1 | 33.1 | 49.7 |



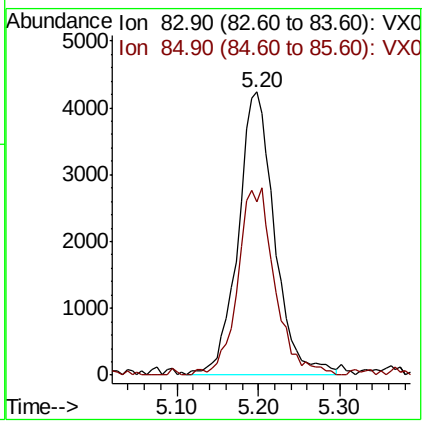


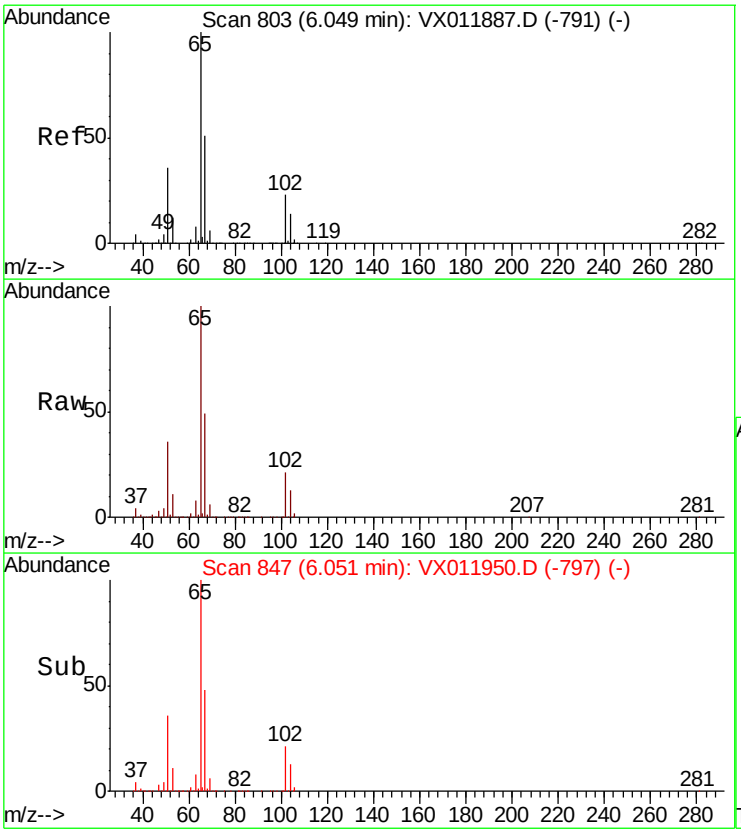

#30
Chloroform
Concen: 2.022 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion: 83 Resp: 13164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.1 | 50.6 | 75.8 |

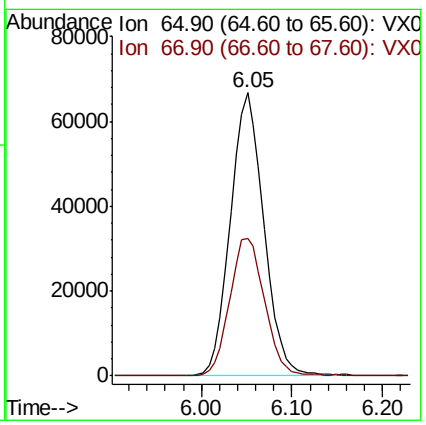


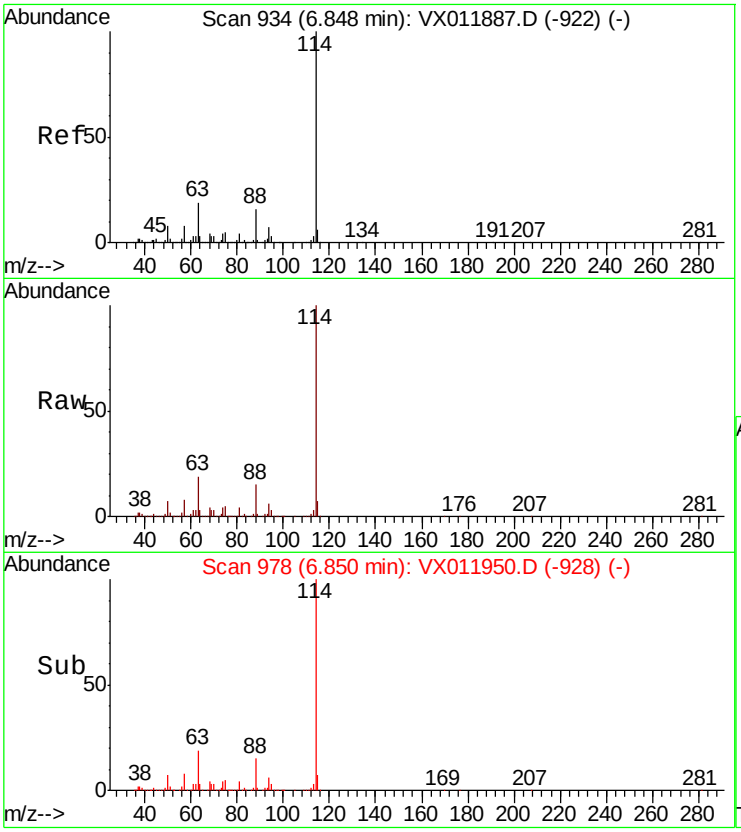




#33
1,2-Dichloroethane-d4
Concen: 43.319 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion: 65 Resp: 170390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 102.2 |



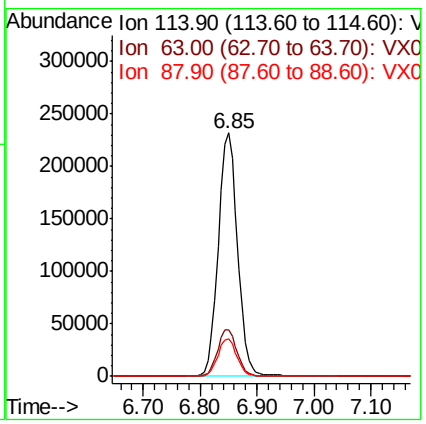


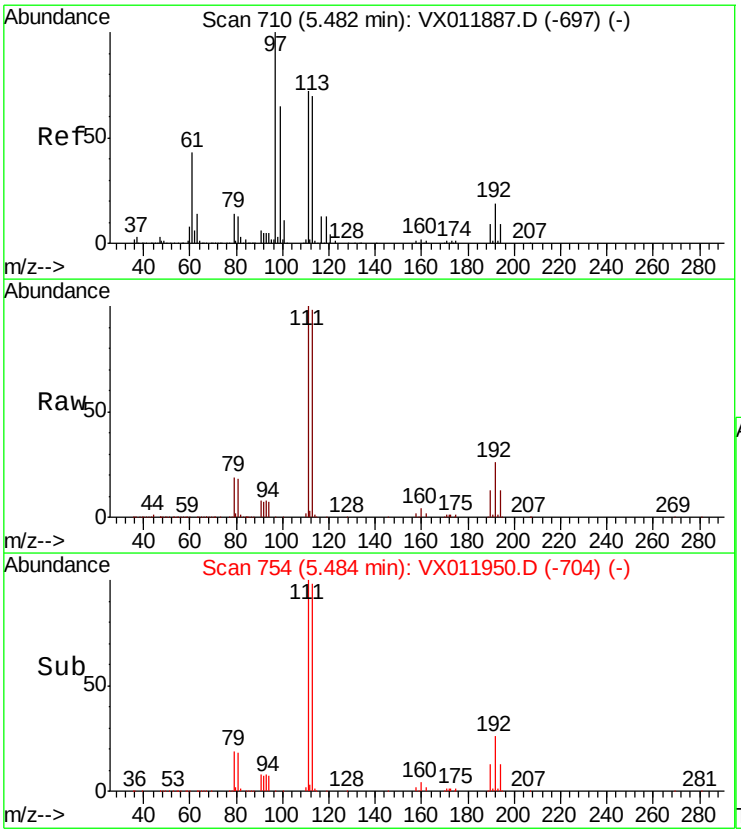

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion:114 Resp: 545659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.9 | 0.0 | 38.8 |
| 88 | 15.3 | 0.0 | 31.2 |

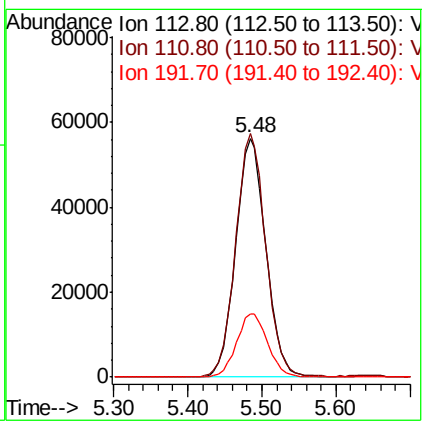


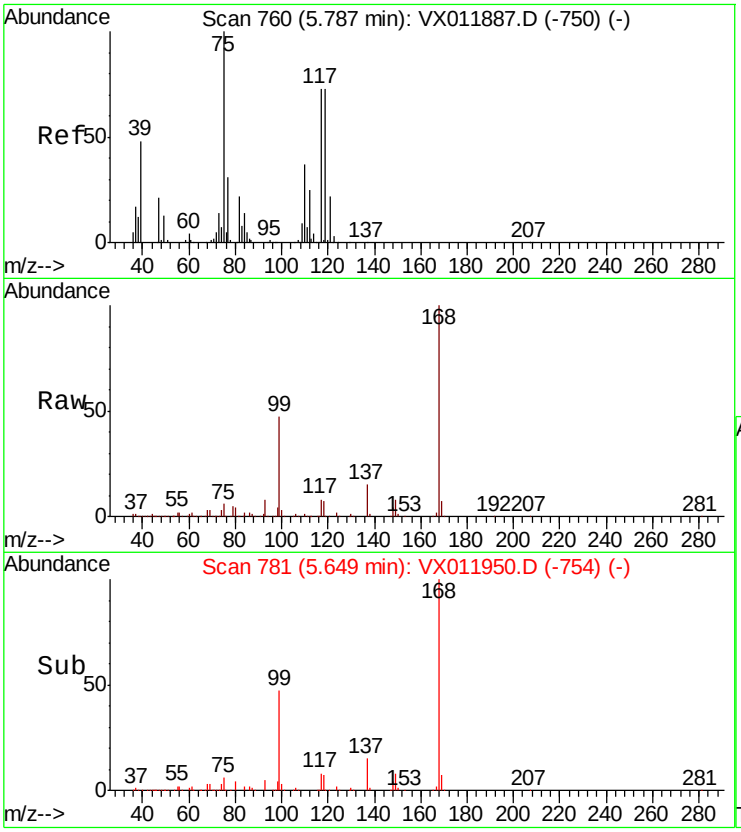




#35
Dibromofluoromethane
Concen: 45.769 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion:113 Resp: 160145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 82.1 | 123.1 |
| 192 | 27.3 | 21.5 | 32.3 |



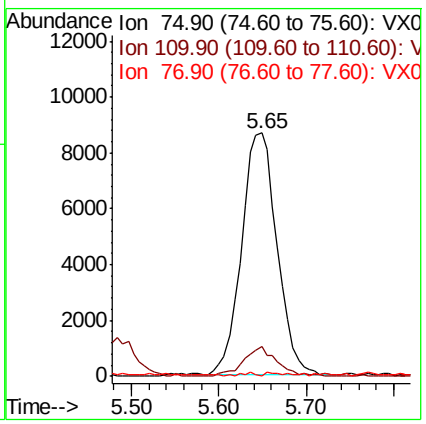


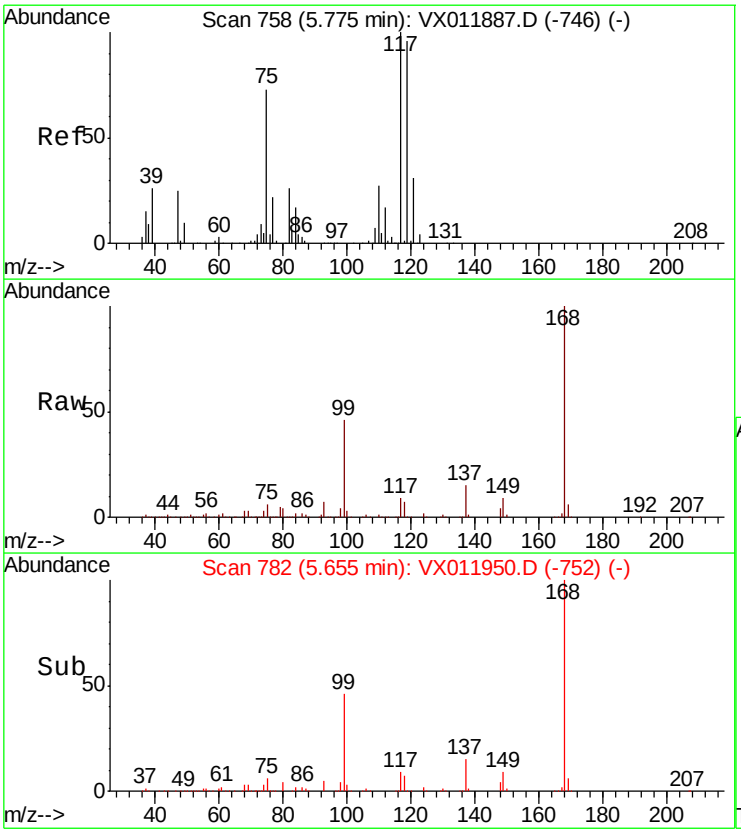

#36
1,1-Dichloropropene
Concen: 5.638 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion: 75 Resp: 24373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.6 | 19.1 | 57.3# |
| 77 | 0.6 | 24.4 | 36.6# |

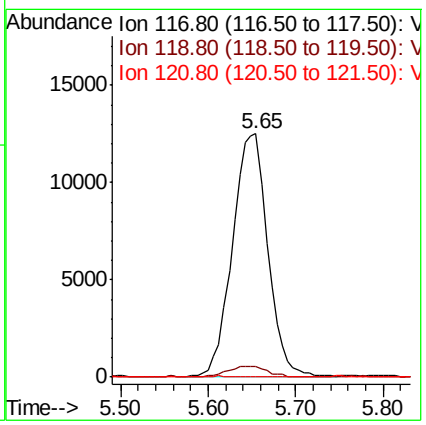


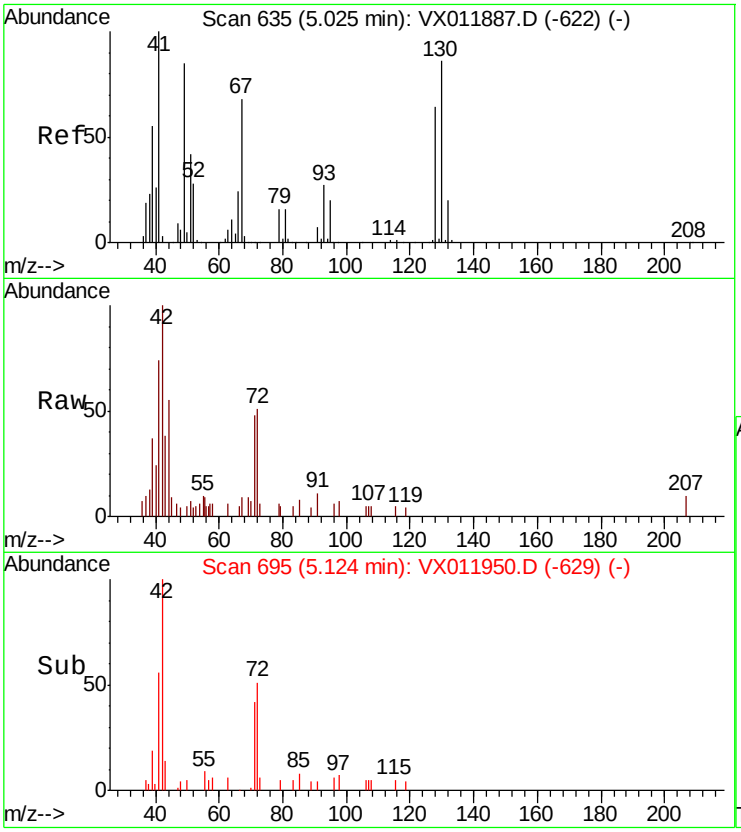




#38
Carbon Tetrachloride
Concen: 7.012 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion:117 Resp: 35154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.1 | 76.6 | 114.8# |
| 121 | 0.0 | 24.7 | 37.1# |



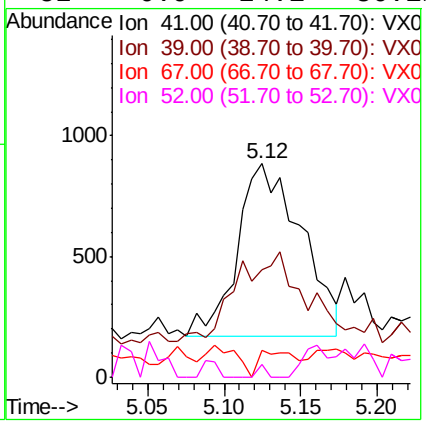


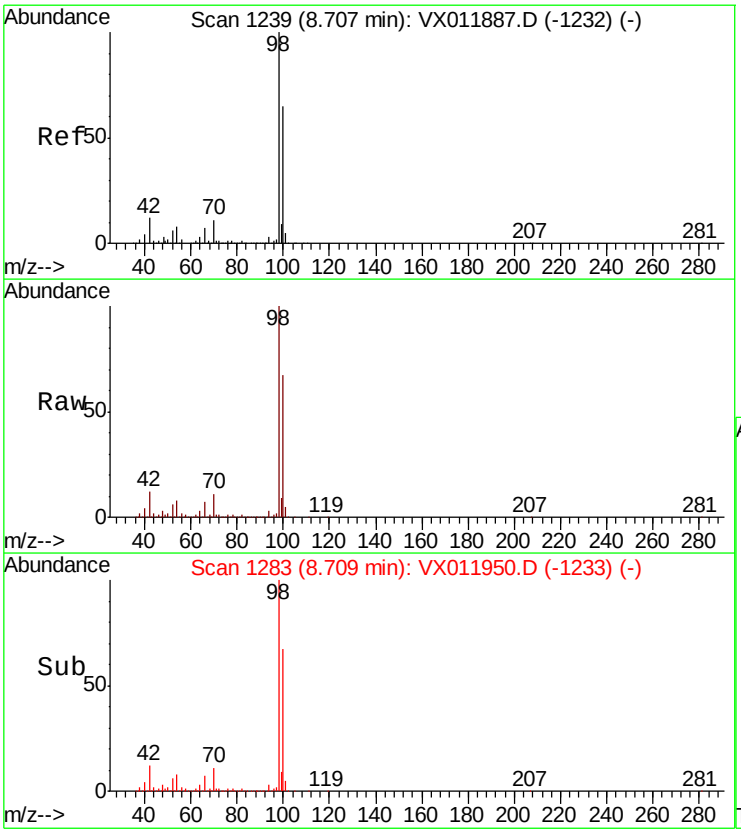

#41
Methacrylonitrile
Concen: 1.388 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.10 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion: 41 Resp: 2091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.4 | 45.0 | 67.6 |
| 67 | 8.2 | 55.0 | 82.4# |
| 52 | 0.9 | 24.1 | 36.1# |

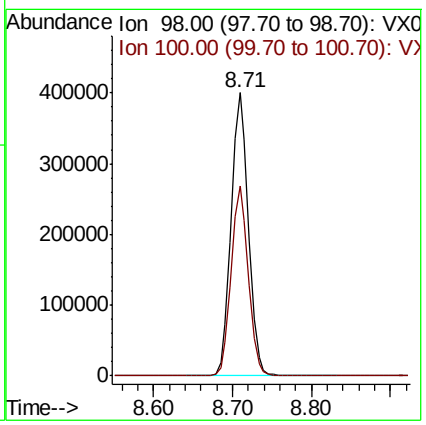


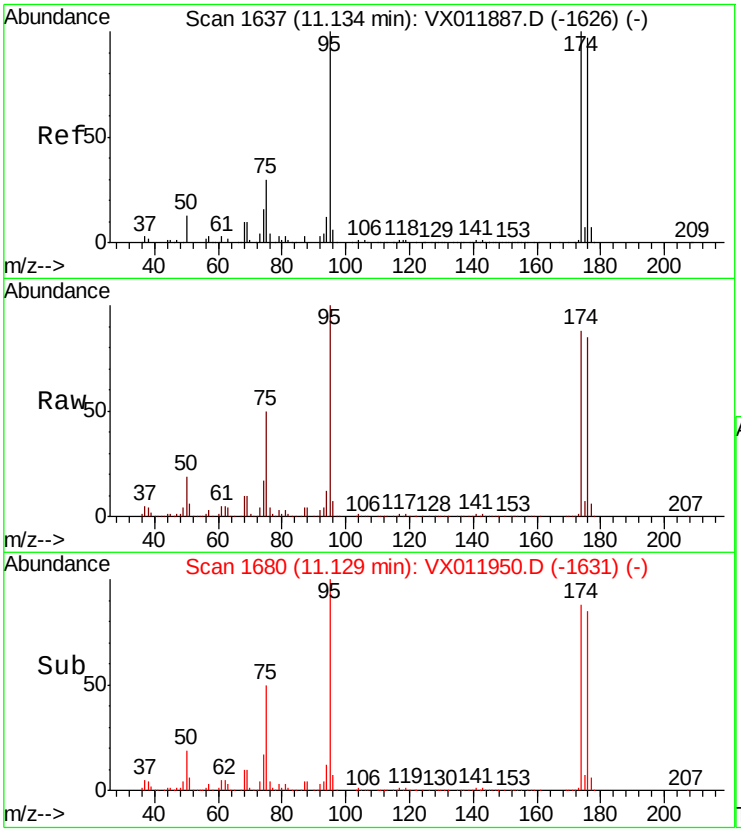




#50
Toluene-d8
Concen: 48.908 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion: 98 Resp: 611731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.5 | 53.0 | 79.6 |



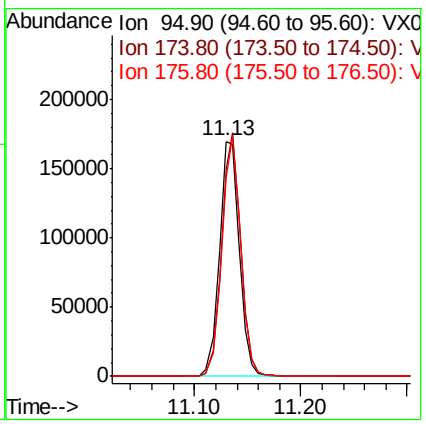


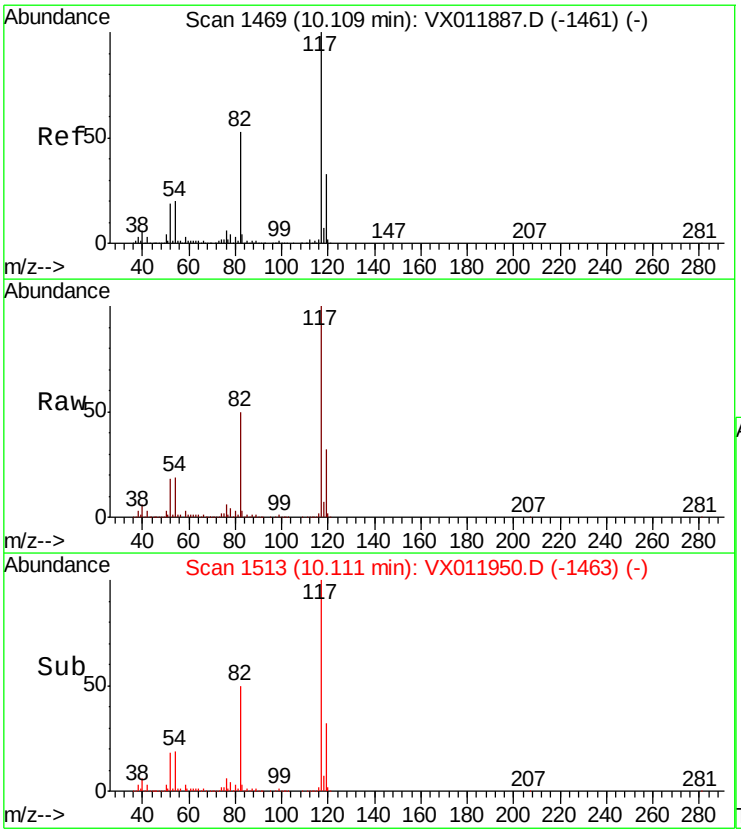

#62
4-Bromofluorobenzene
Concen: 40.372 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion: 95 Resp: 221511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 98.8 | 0.0 | 196.0 |
| 176 | 96.9 | 0.0 | 191.4 |

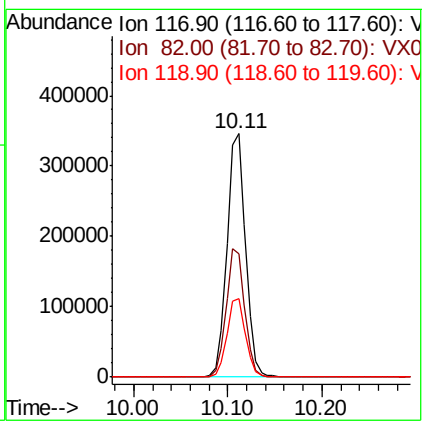


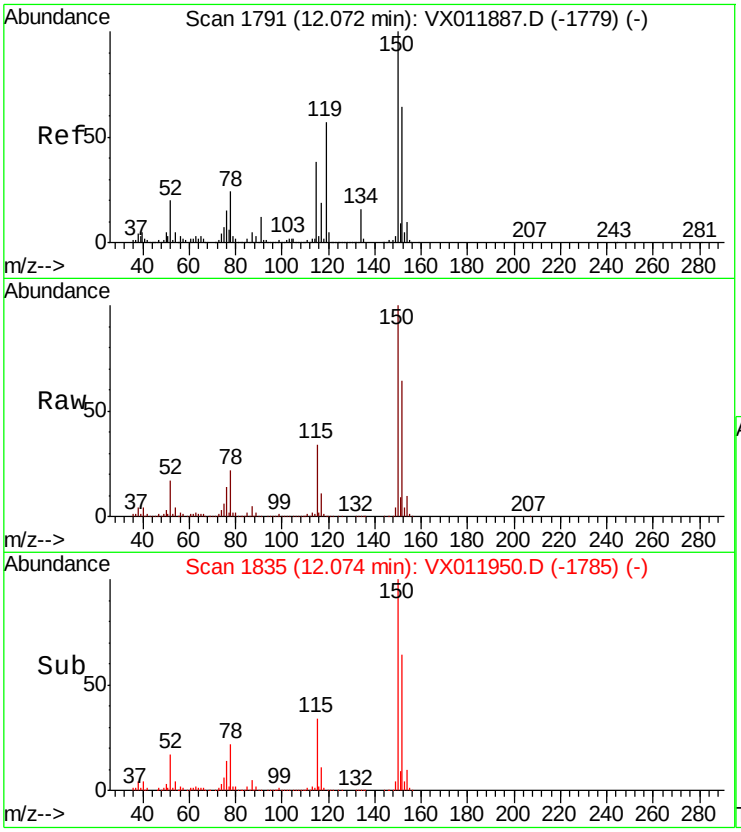




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion:117 Resp: 471831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.5 | 42.0 | 63.0 |
| 119 | 32.5 | 26.2 | 39.4 |



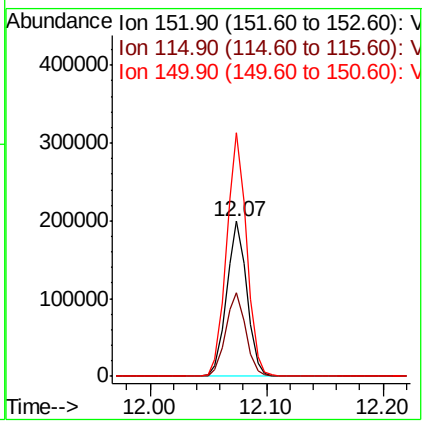


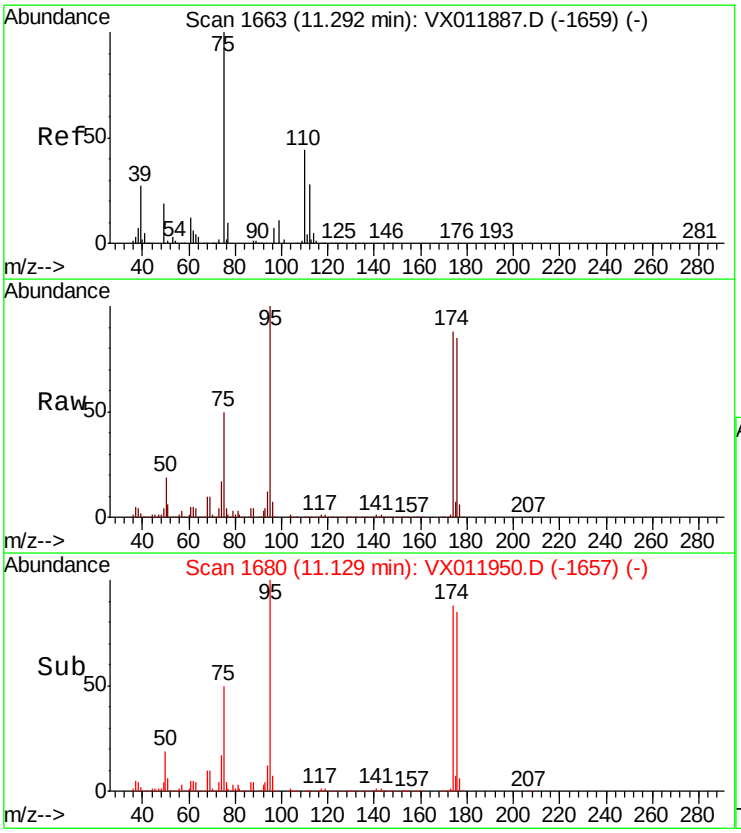

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion:152 Resp: 239510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 53.5 | 37.1 | 111.3 |
| 150 | 155.8 | 0.0 | 339.6 |

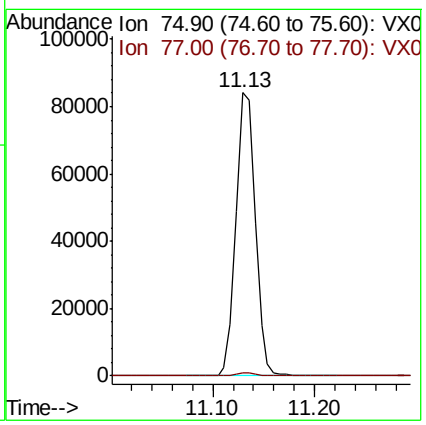


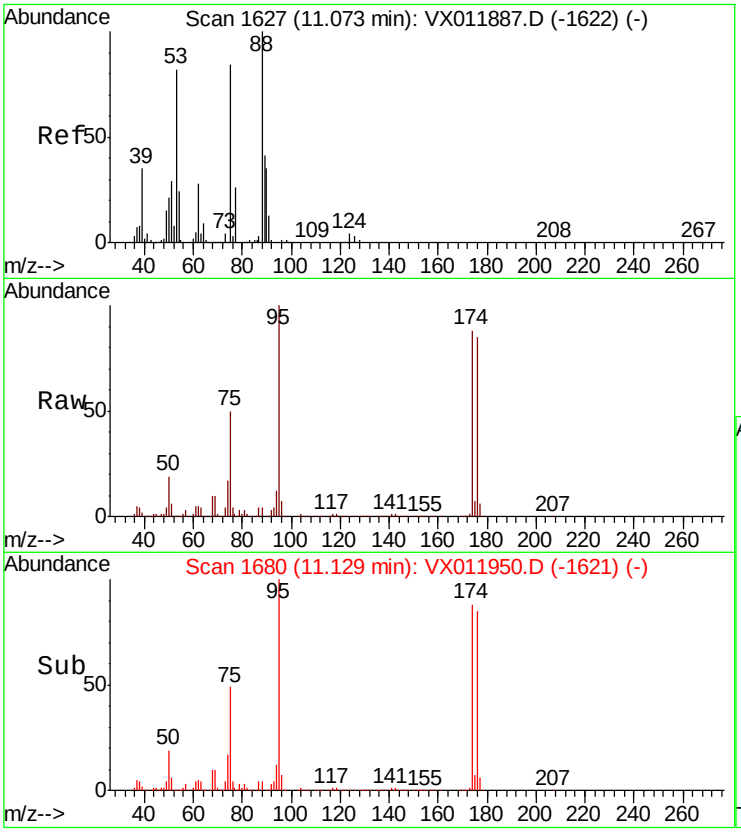




#76
1,2,3-Trichloropropane
Concen: 46.682 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

Tgt Ion: 75 Resp: 109987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 20.9 | 62.7# |






#81
trans-1,4-Dichloro-2-butene
Concen: 117.274 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX011950.D
Acq: 31 Aug 2019 14:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
T2-S-B3-(2.5)

Tgt Ion: 75 Resp: 109987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 77.1 | 115.7# |
| 89 | 0.0 | 38.2 | 57.2# |