Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011412.D
Acq On : 09 Aug 2019 16:05
Operator : JC/SP
Sample : K4279-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** Z3-ER-2019-1

Quant Time: Aug 11 00:01:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 220439 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 319977 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 279216 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 131517 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 113859 | 51.29 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.58% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 96821 | 46.35 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.70% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 367273 | 46.58 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.16% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 126325 | 44.87 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.74% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 596 | 0.312 | ug/l # | 82 |
| 5) Bromomethane | 1.66 | 94 | 607 | 0.405 | ug/l # | 46 |
| 6) Chloroethane | 1.70 | 64 | 400 | Below Cal | # | 43 |
| 11) Tert butyl alcohol | 3.02 | 59 | 1334 | 3.036 | ug/l # | 72 |
| 13) Acrolein | 2.29 | 56 | 19 | Below Cal | # | 1 |
| 16) Acetone | 2.43 | 43 | 6775 | 6.412 | ug/l | 93 |
| 20) Methylene Chloride | 2.85 | 84 | 18098 | 7.821 | ug/l | 95 |
| 25) 2-Butanone | 4.68 | 43 | 2381 | 1.584 | ug/l | 91 |
| 29) Tetrahydrofuran | 5.12 | 42 | 39783 | 43.167 | ug/l | 99 |
| 31) Cyclohexane | 5.59 | 56 | 1056 | 0.369 | ug/l # | 93 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 14702 | 5.263 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 20713 | 7.369 | ug/l # | 14 |
| 39) Methylcyclohexane | 7.46 | 83 | 1005 | 0.303 | ug/l # | 82 |
| 40) Benzene | 6.13 | 78 | 9810 | 1.177 | ug/l | 91 |
| 41) Methacrylonitrile | 5.13 | 41 | 23183 | 15.148 | ug/l # | 44 |
| 49) 1,4-Dioxane | 7.79 | 88 | 25 | 0.409 | ug/l # | 1 |
| 53) t-1,3-Dichloropropene | 9.04 | 75 | 22 | 2.845 | ug/l # | 43 |
| 67) Ethyl Benzene | 10.25 | 91 | 11810 | 1.178 | ug/l | 99 |
| 68) m/p-Xylenes | 10.36 | 106 | 900 | 0.232 | ug/l | 96 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 63816 | 26.645 | ug/l # | 35 |
| 78) n-propylbenzene | 11.36 | 91 | 2223 | 0.222 | ug/l | 93 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 63816 | 69.233 | ug/l # | 10 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 3852 | 0.514 | ug/l | 95 |
| 95) Naphthalene | 13.83 | 128 | 6308 | 0.735 | ug/l # | 95 |

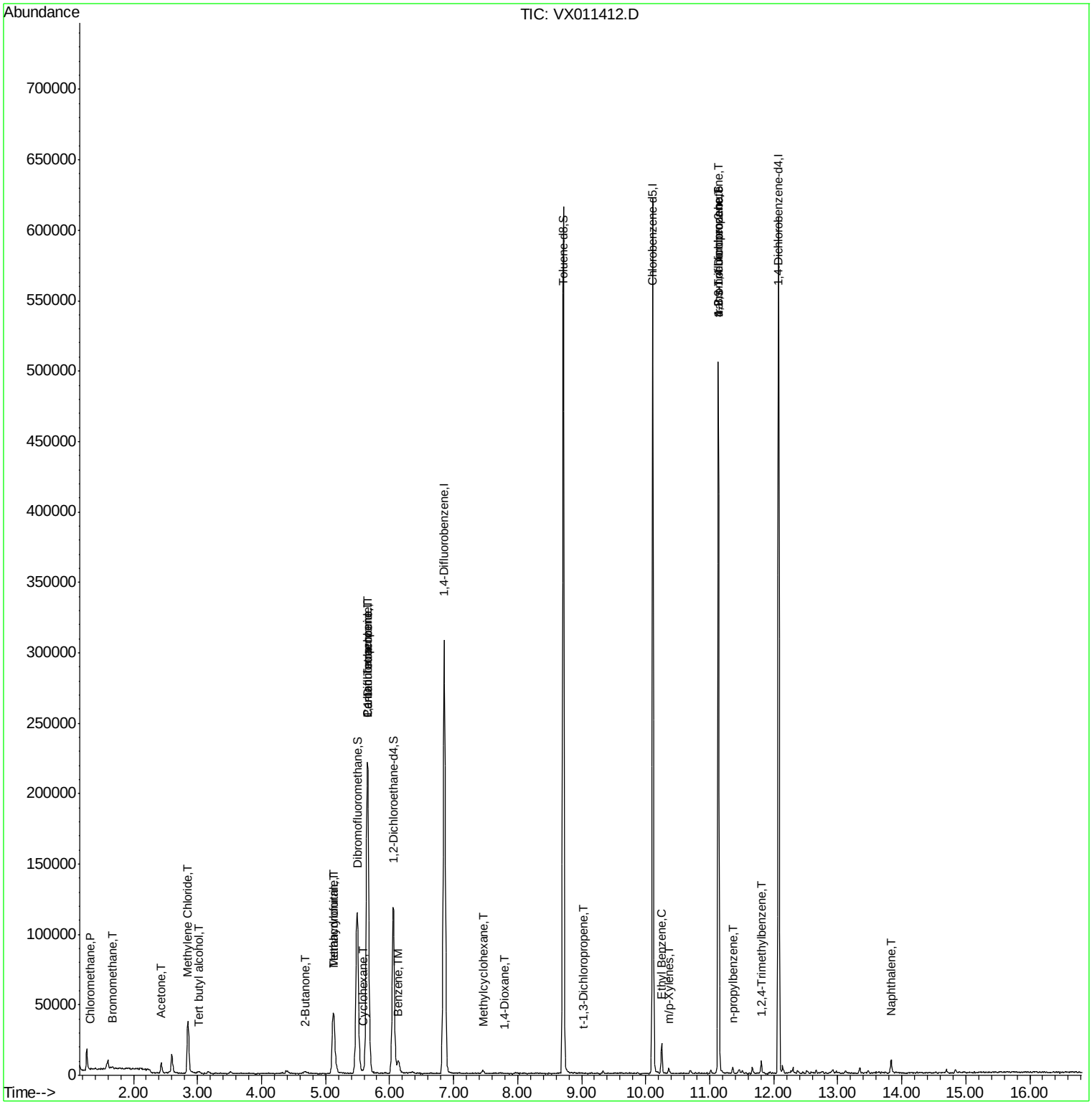
(#) = qualifier out of range (m) = manual integration (+) = signals summed

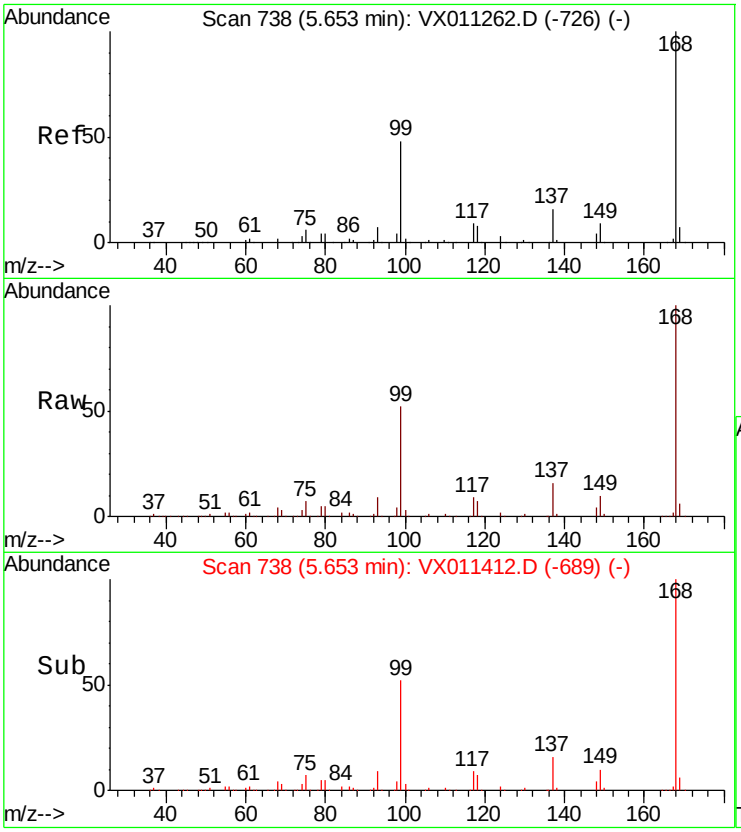
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011412.D
Acq On : 09 Aug 2019 16:05
Operator : JC/SP
Sample : K4279-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Quant Time: Aug 11 00:01:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration



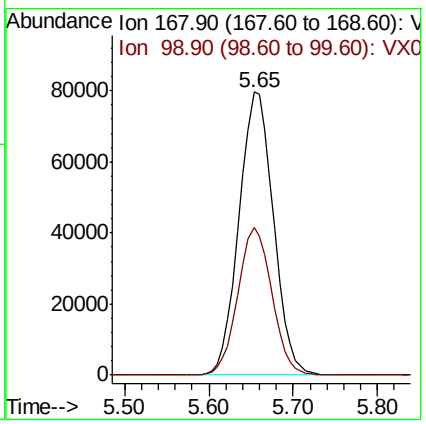


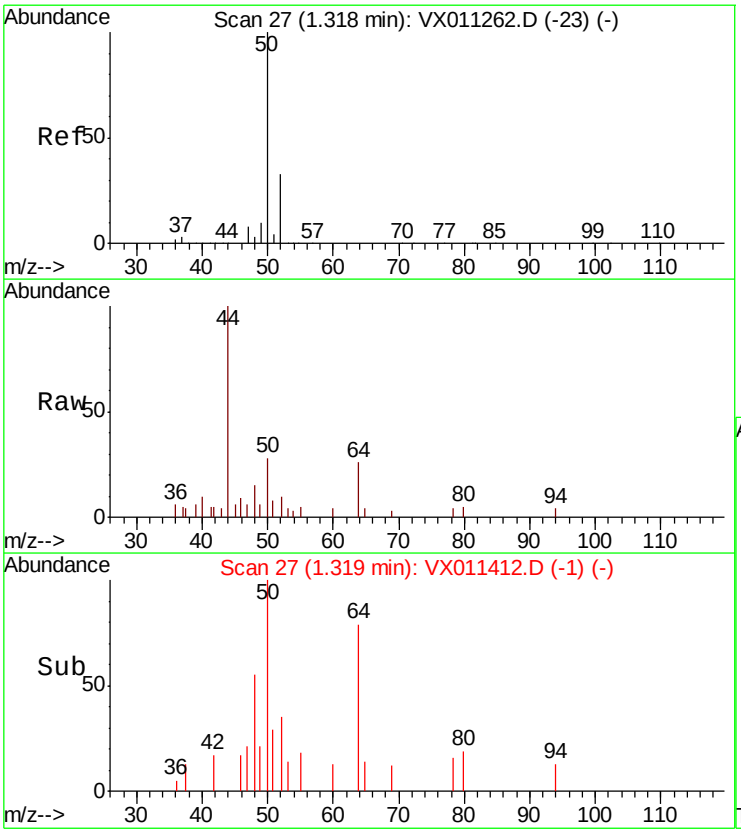

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion:168 Resp: 220439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.3 | 38.5 | 57.7 |

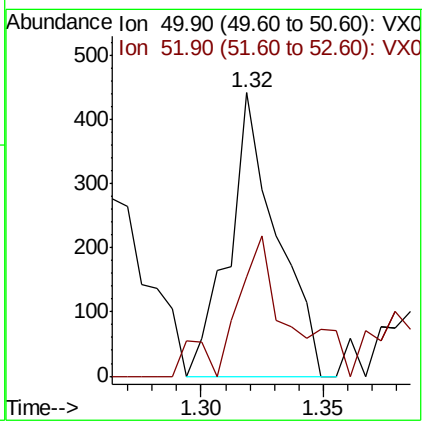


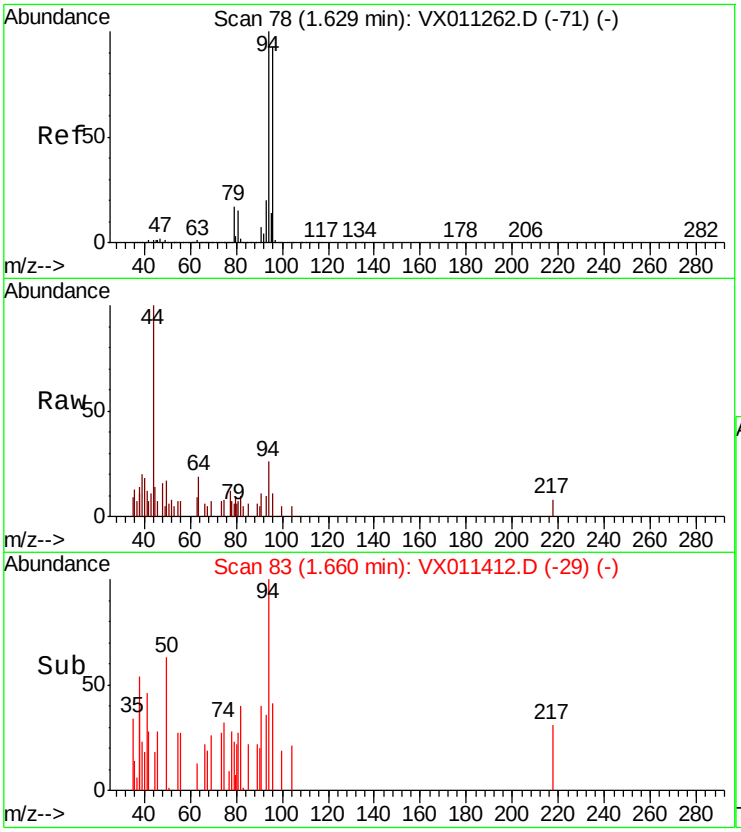




#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.32 min Scan# 27
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 50 Resp: 596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 22.6 | 26.4 | 39.6# |



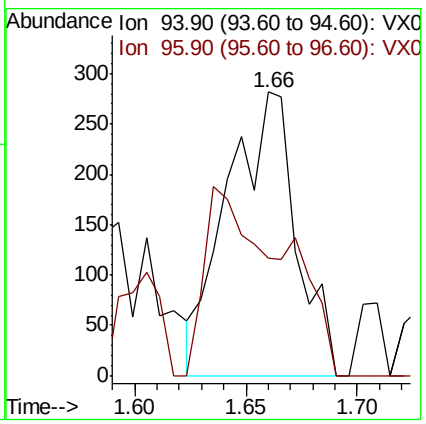


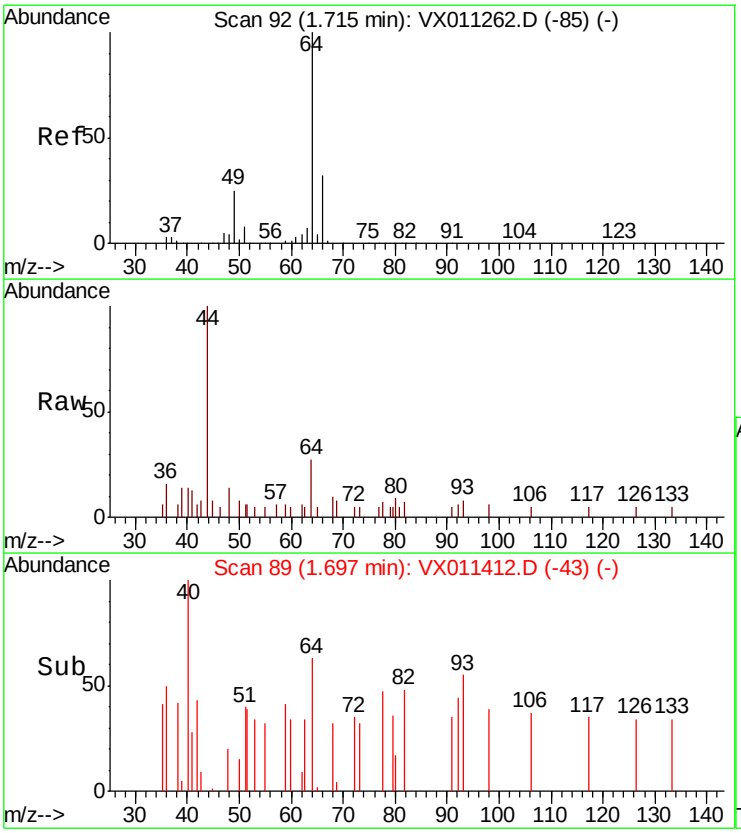

#5
Bromomethane
Concen: 0.405 ug/l
RT: 1.66 min Scan# 83
Delta R.T. 0.03 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 94 Resp: 607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 41.5 | 74.6 | 112.0# |

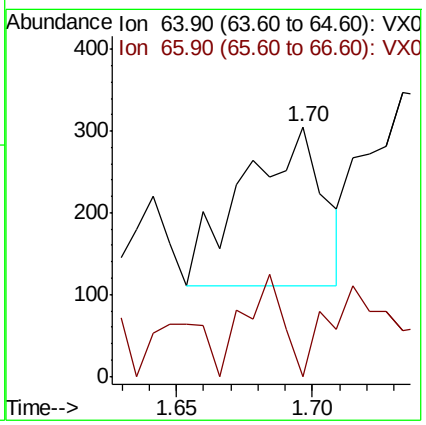


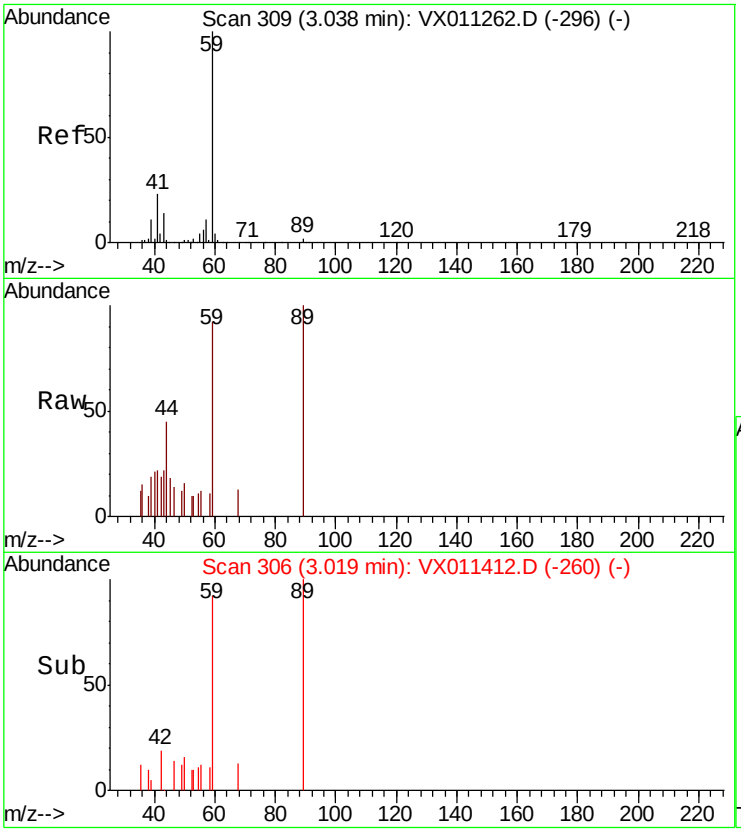




#6
Chloroethane
Concen: Below Cal
RT: 1.70 min Scan# 89
Delta R.T. -0.02 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 64 Resp: 400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.1 | 37.7# |



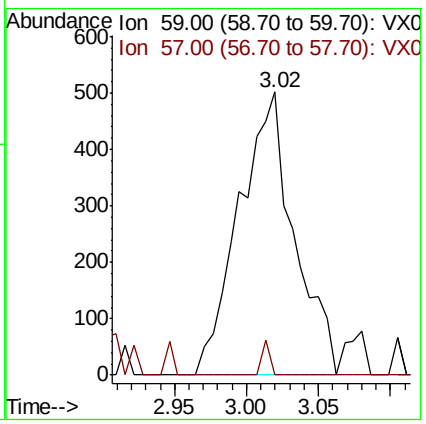


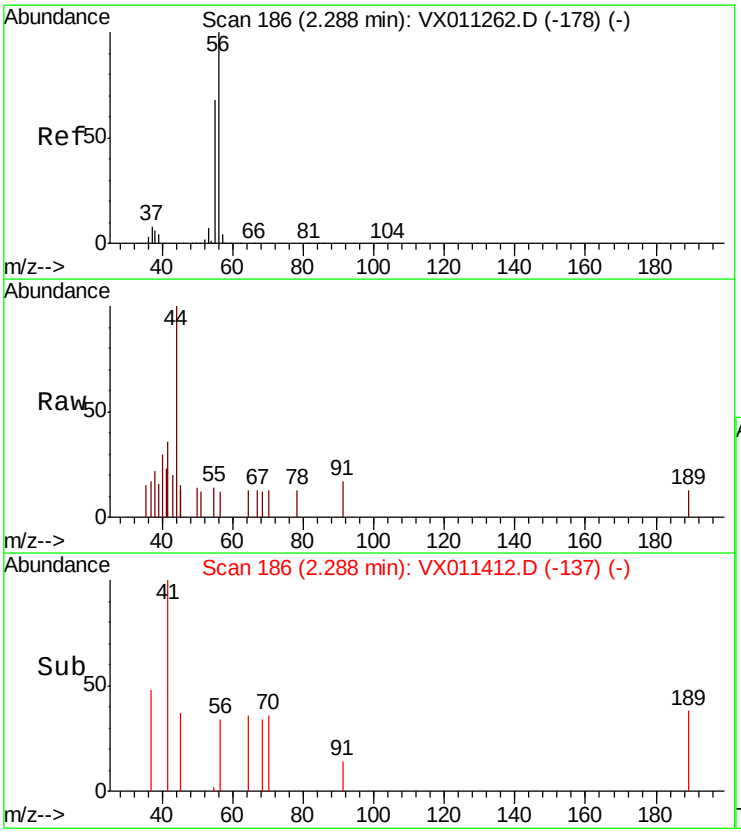

#11
Tert butyl alcohol
Concen: 3.036 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 59 Resp: 1334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.3 | 12.5# |

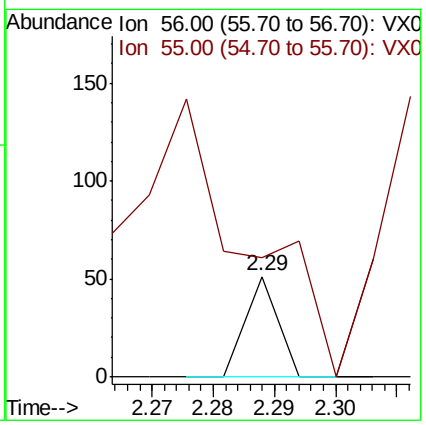


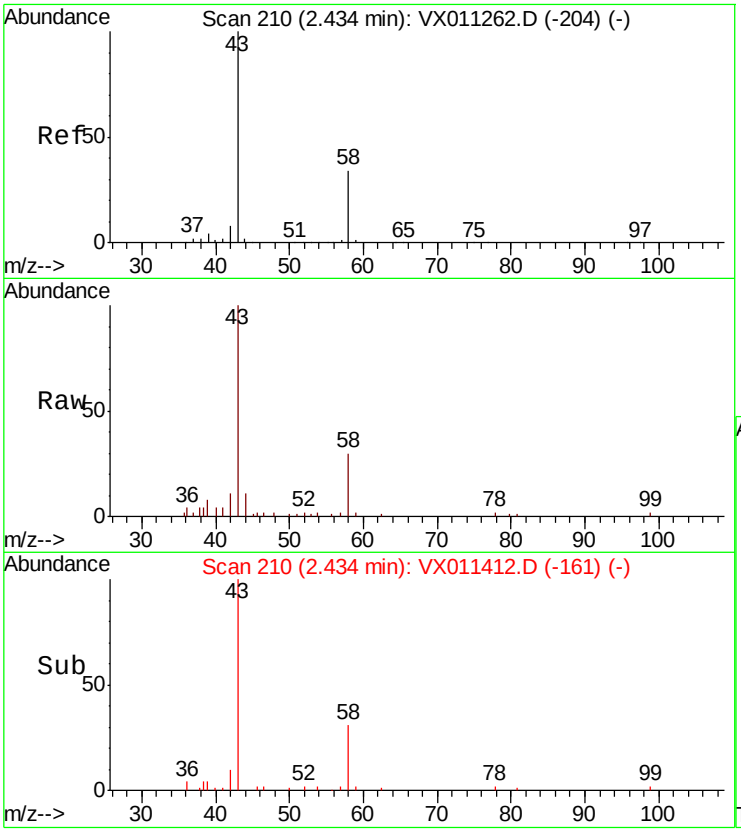




#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 56 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 1384.2 | 56.0 | 84.0# |



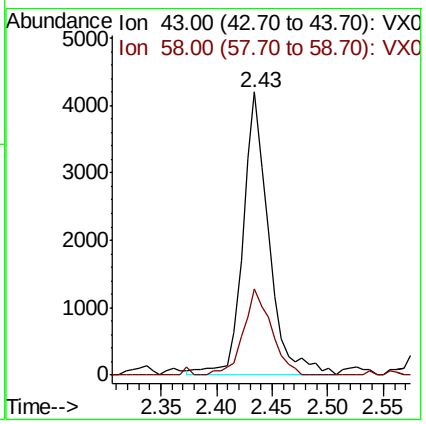


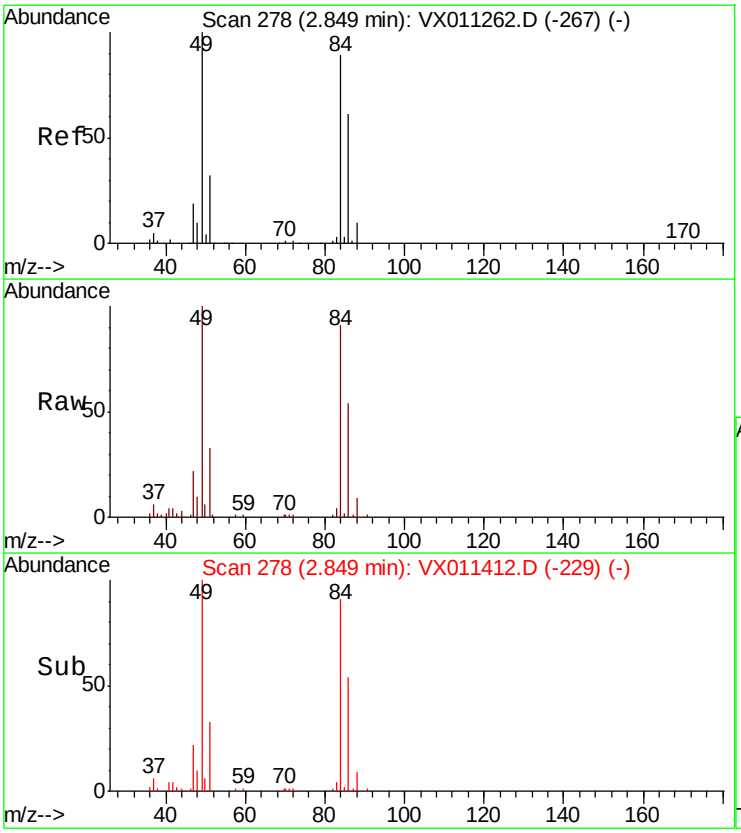

#16
Acetone
Concen: 6.412 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 43 Resp: 6775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.3 | 27.4 | 41.0 |

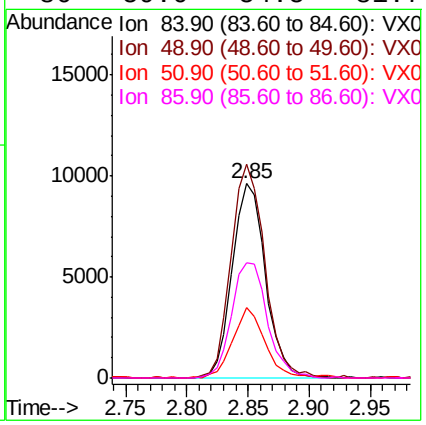


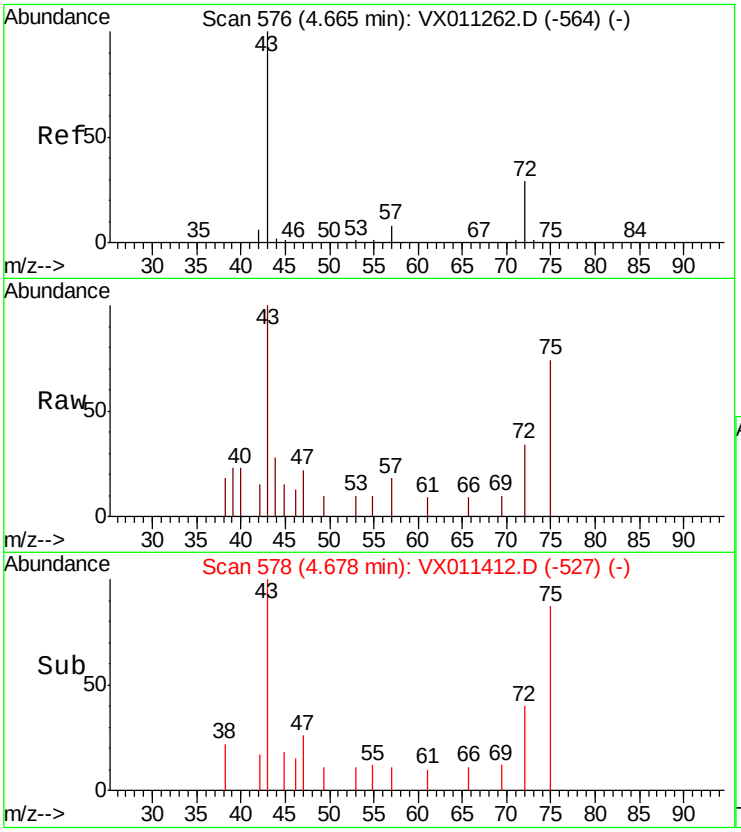




#20
Methylene Chloride
Concen: 7.821 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 84 Resp: 18098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 109.8 | 89.3 | 133.9 |
| 51 | 35.9 | 28.3 | 42.5 |
| 86 | 59.0 | 54.5 | 81.7 |



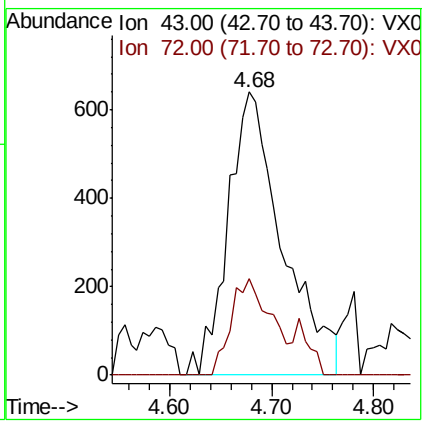


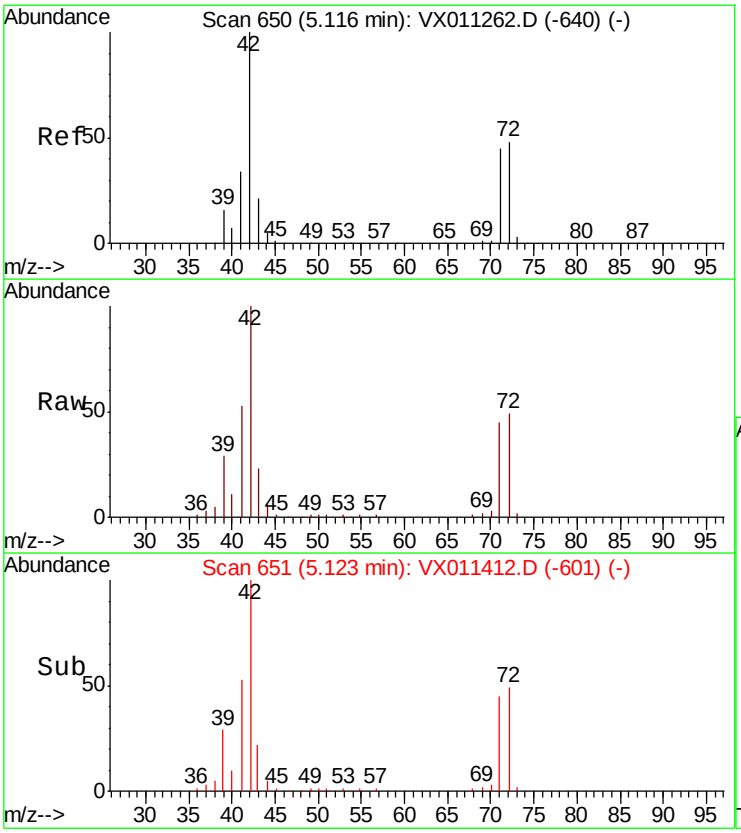

#25
2-Butanone
Concen: 1.584 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 43 Resp: 2381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 33.9 | 23.2 | 34.8 |

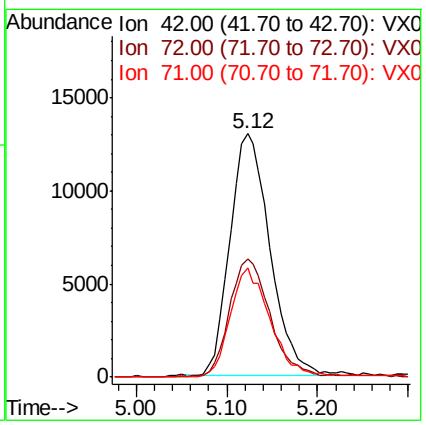


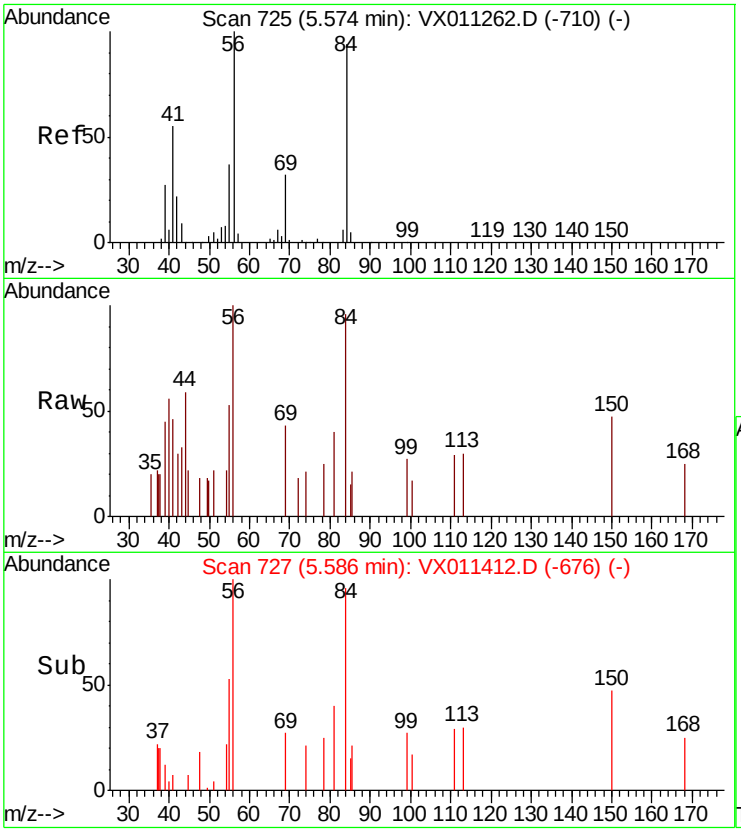




#29
Tetrahydrofuran
Concen: 43.167 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 42 Resp: 39783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 49.4 | 39.9 | 59.9 |
| 71 | 45.1 | 36.9 | 55.3 |



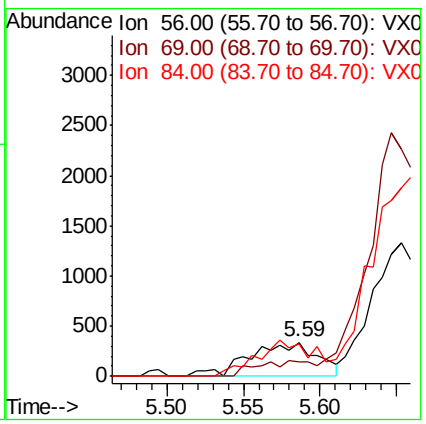


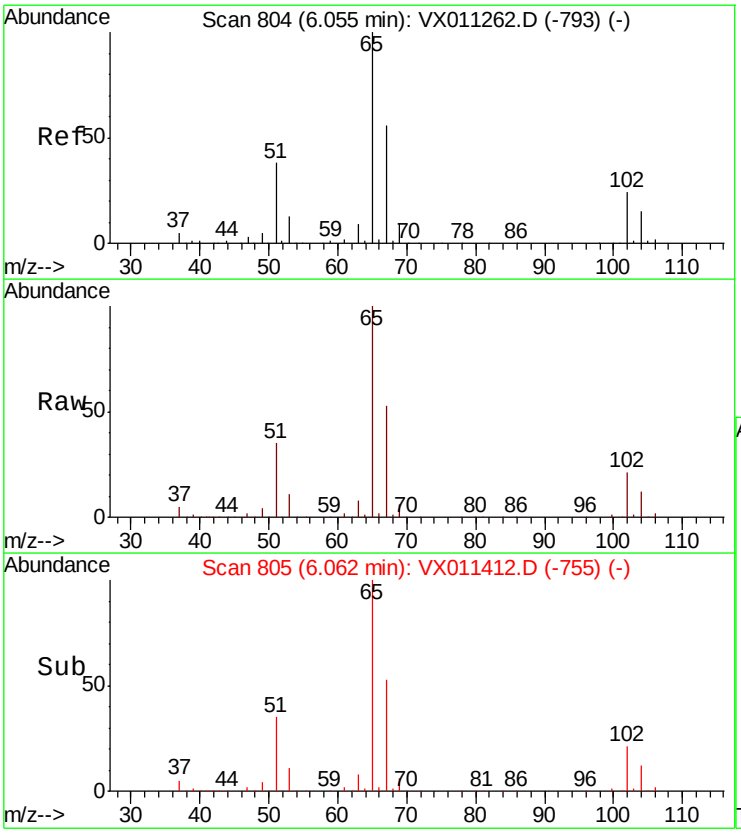

#31
Cyclohexane
Concen: 0.369 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 56 Resp: 1056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 42.9 | 25.5 | 38.3# |
| 84 | 96.4 | 75.0 | 112.4 |

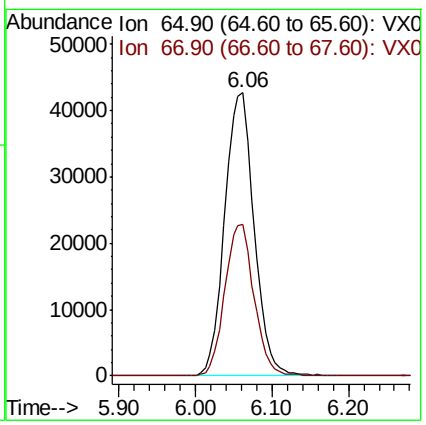


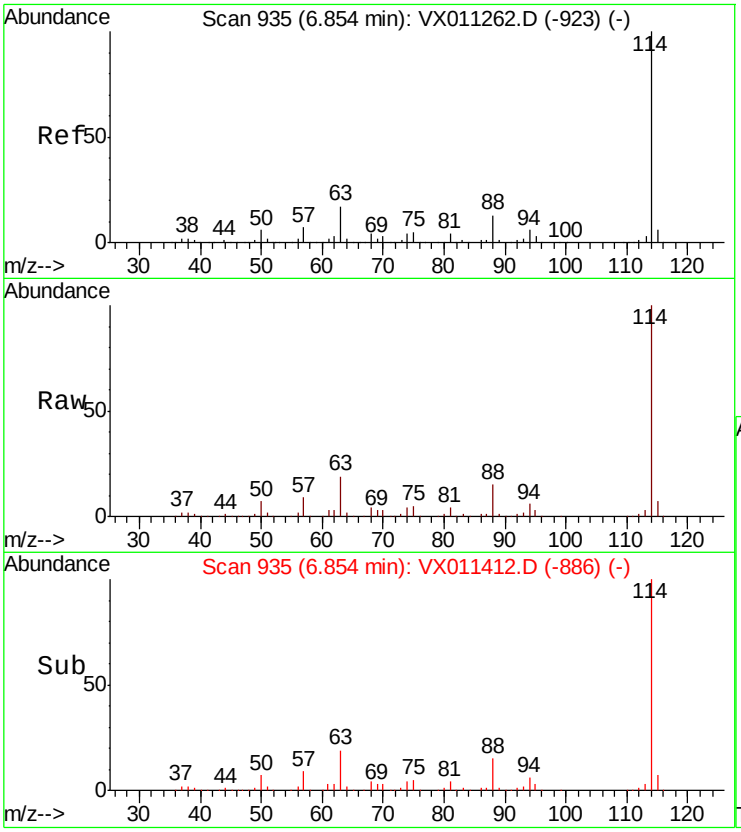




#33
1,2-Dichloroethane-d4
Concen: 51.289 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 65 Resp: 113859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.9 | 0.0 | 110.6 |



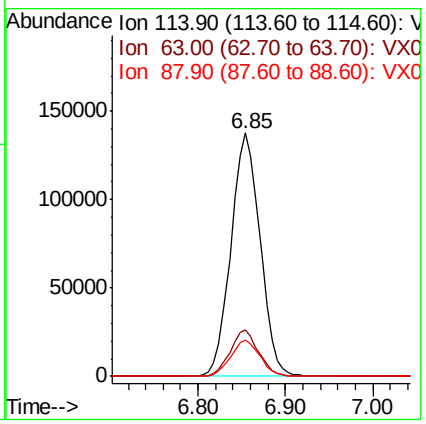


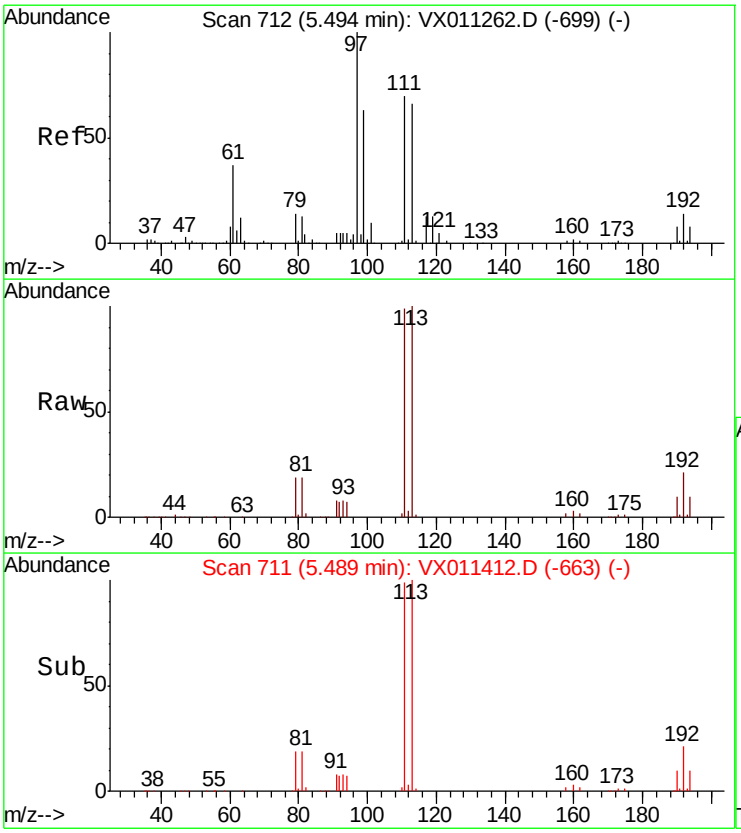

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion:114 Resp: 319977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 34.0 |
| 88 | 14.7 | 0.0 | 26.4 |

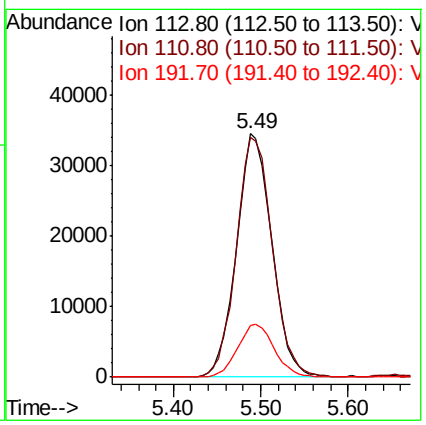


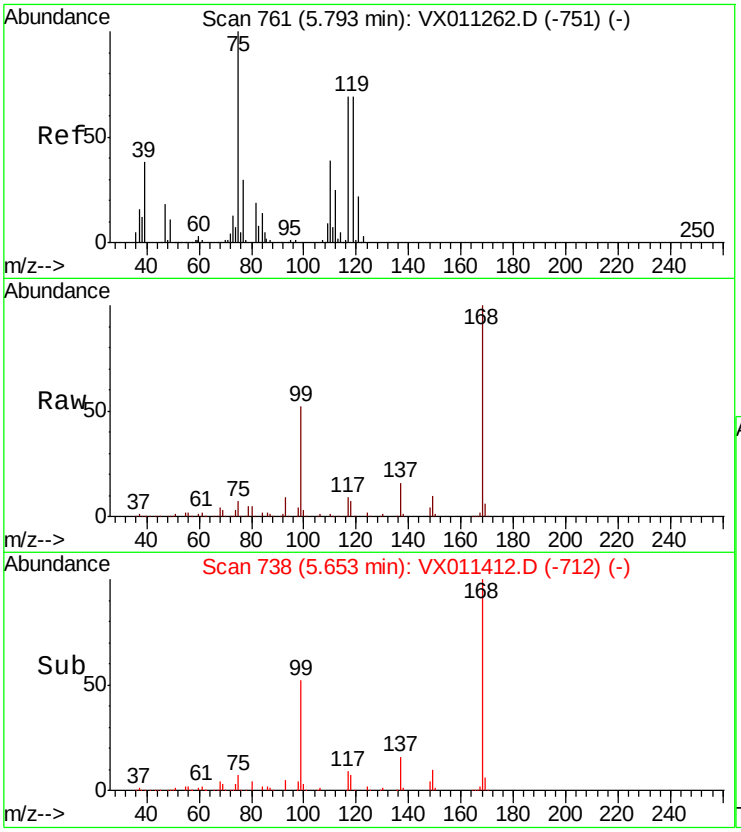




#35
Dibromofluoromethane
Concen: 46.347 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion:113 Resp: 96821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.6 | 81.9 | 122.9 |
| 192 | 22.6 | 17.8 | 26.8 |



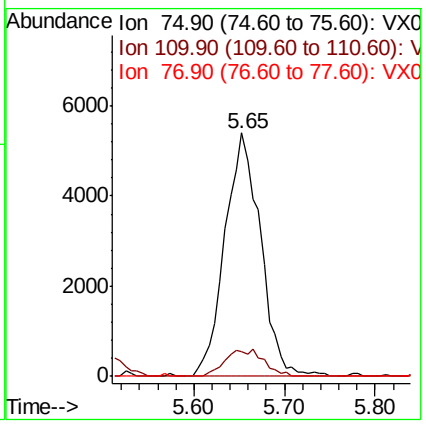


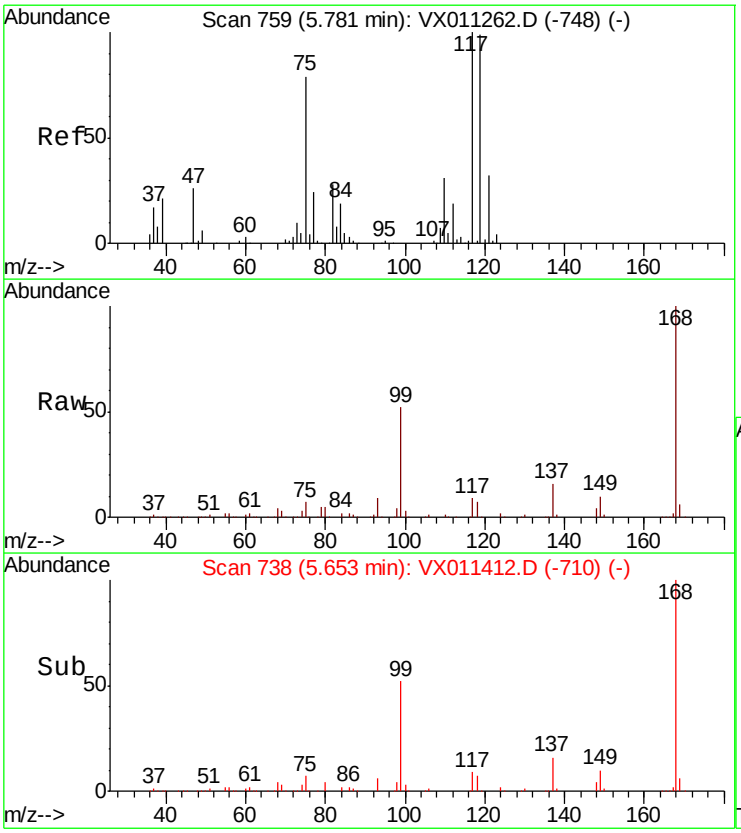

#36
1,1-Dichloropropene
Concen: 5.263 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.14 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 75 Resp: 14702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.9 | 20.0 | 59.9# |
| 77 | 0.0 | 24.8 | 37.2# |

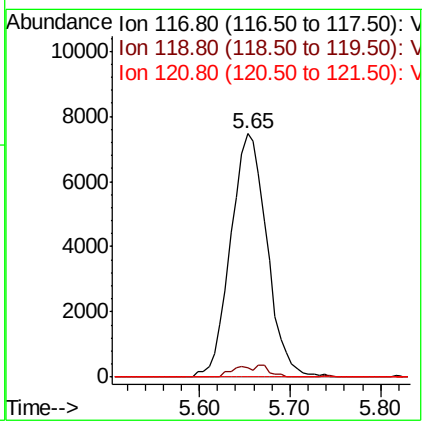


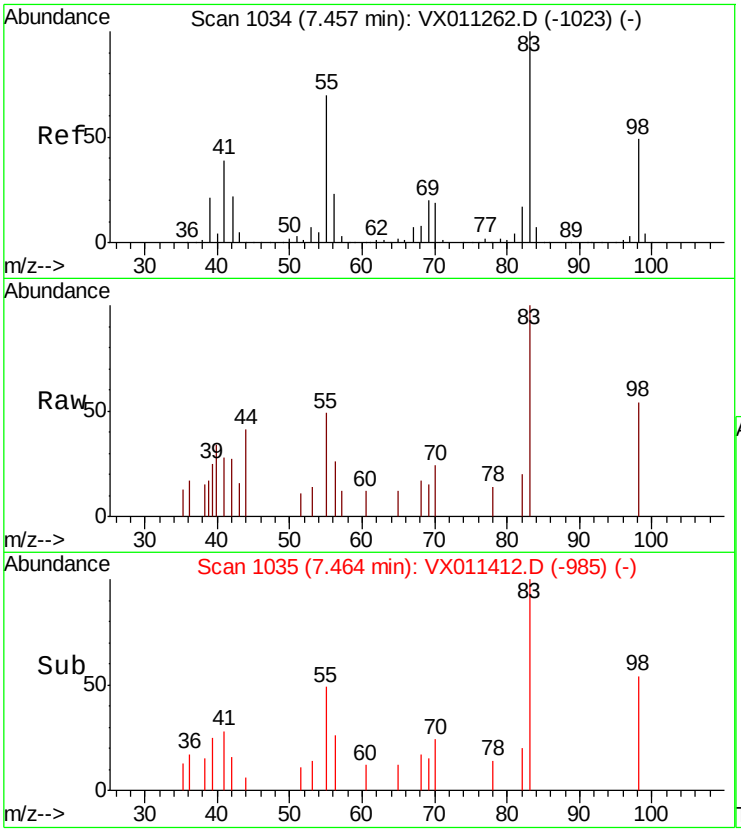




#38
Carbon Tetrachloride
Concen: 7.369 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion:117 Resp: 20713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.0 | 79.0 | 118.4# |
| 121 | 0.0 | 25.9 | 38.9# |



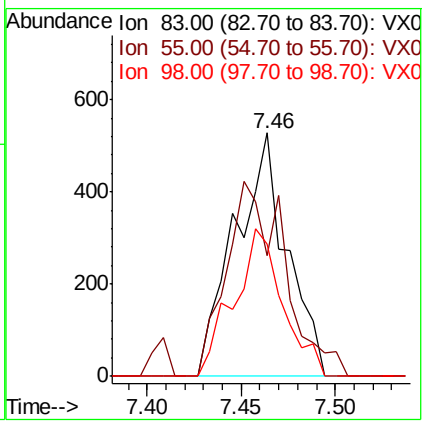


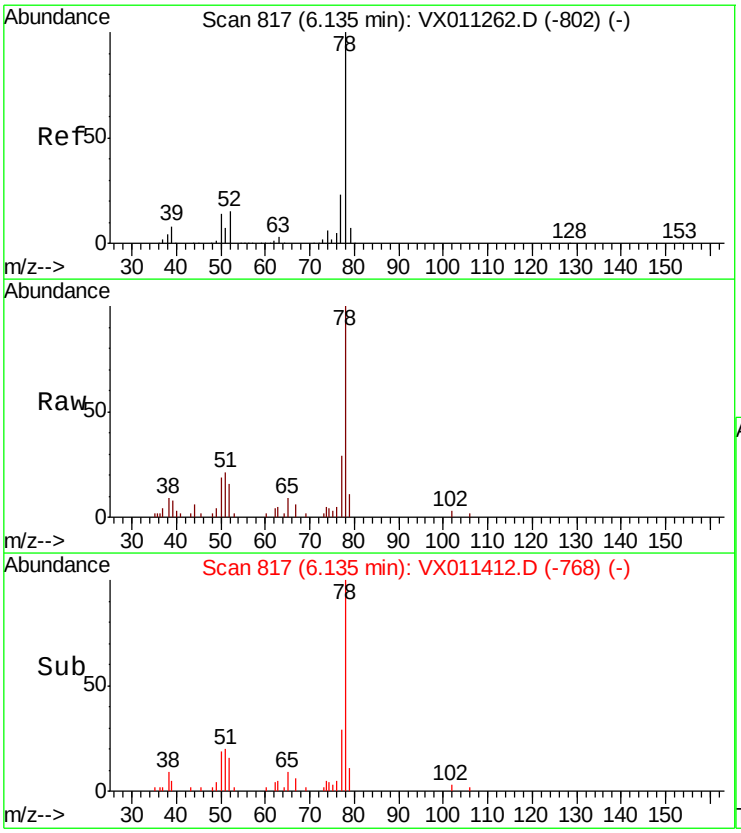

#39
Methylcyclohexane
Concen: 0.303 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 83 Resp: 1005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 49.4 | 56.1 | 84.1# |
| 98 | 54.4 | 39.0 | 58.4 |

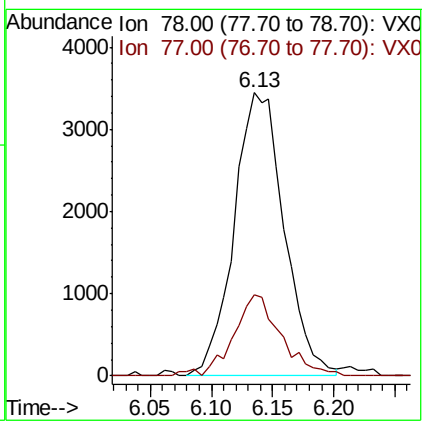


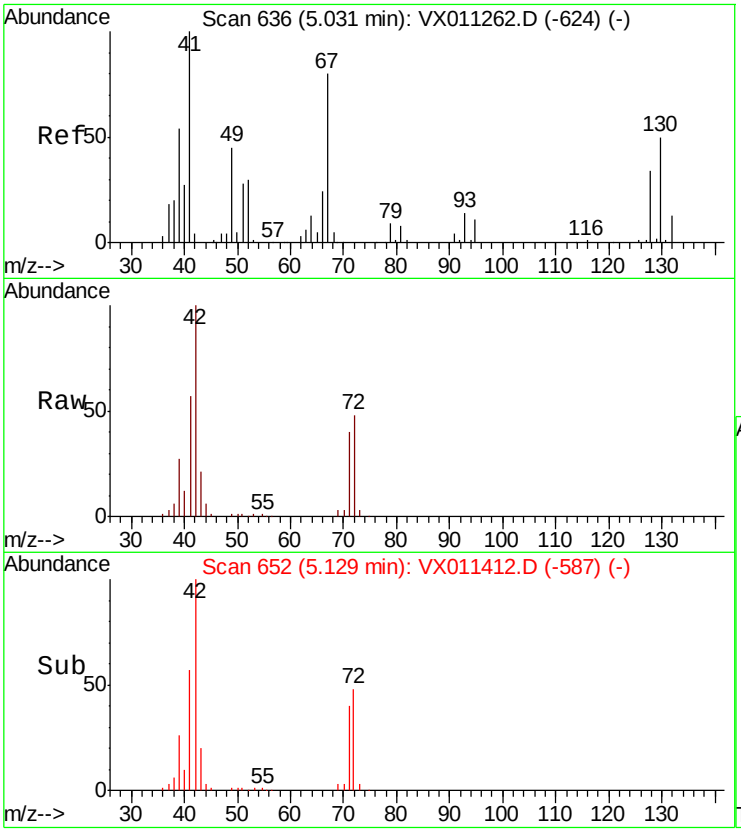




#40
Benzene
Concen: 1.177 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 78 Resp: 9810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 27.2 | 18.2 | 27.2 |



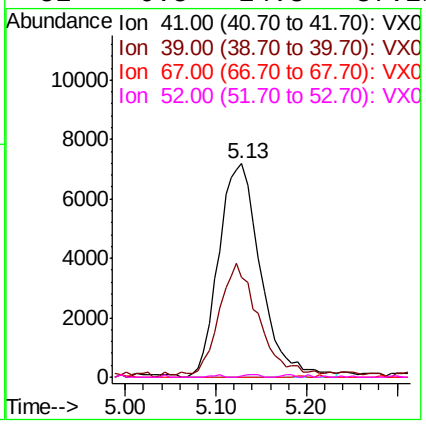


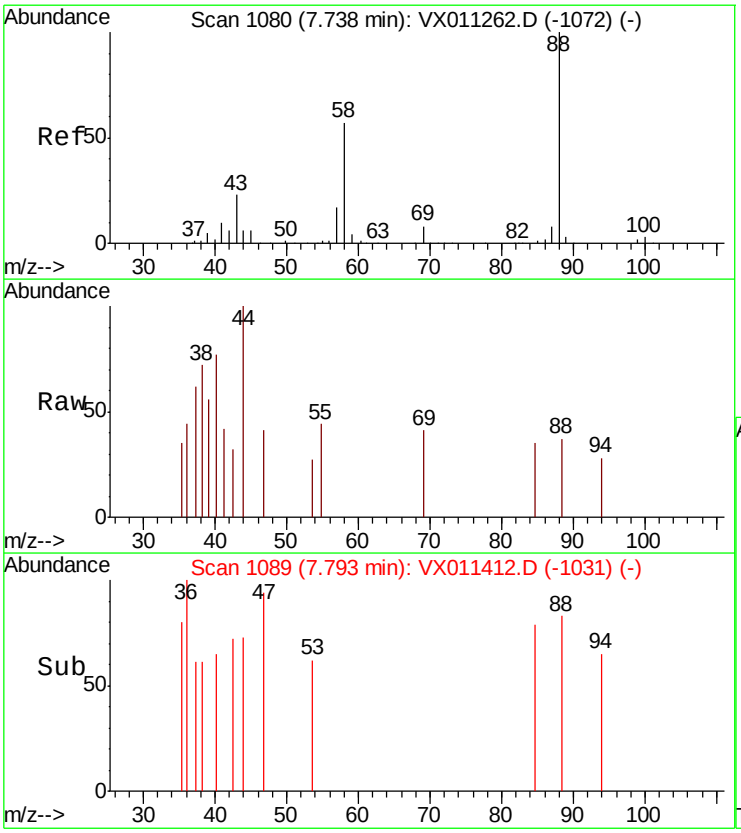

#41
Methacrylonitrile
Concen: 15.148 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.10 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 41 Resp: 23183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 51.8 | 43.0 | 64.6 |
| 67 | 0.0 | 65.1 | 97.7# |
| 52 | 0.5 | 24.8 | 37.2# |

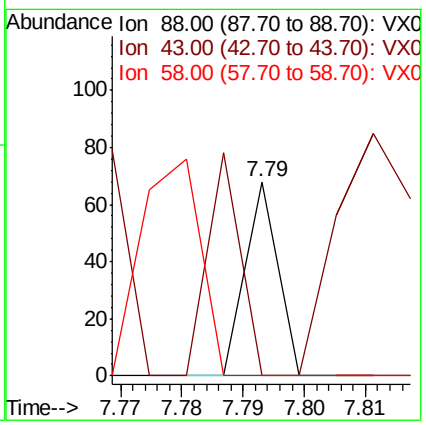


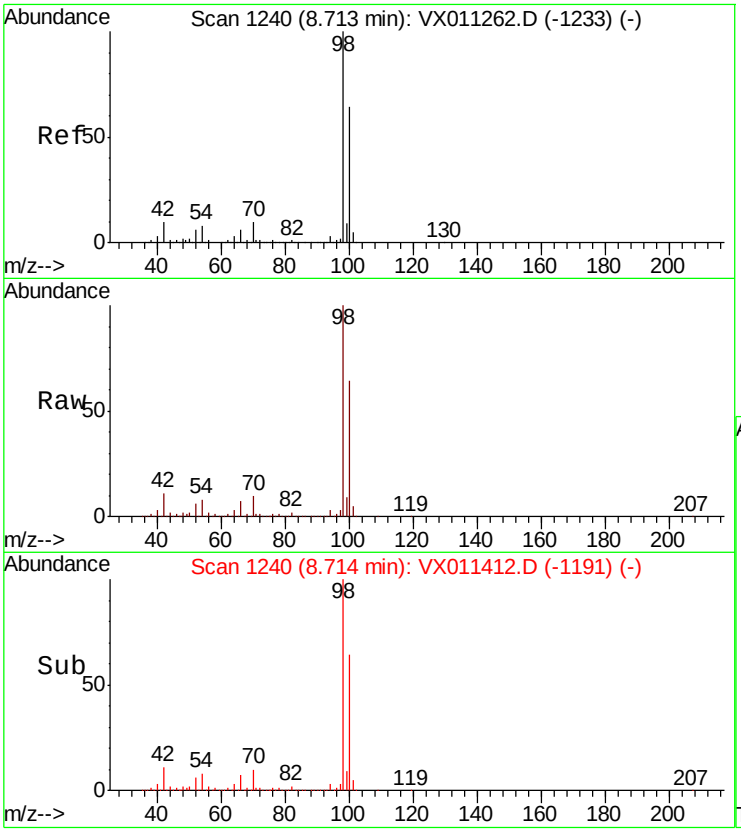




#49
1,4-Dioxane
Concen: 0.409 ug/l
RT: 7.79 min Scan# 1089
Delta R.T. 0.06 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 88 Resp: 25

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 116.0 | 22.2 | 33.2# |
| 58 | 284.0 | 47.8 | 71.8# |



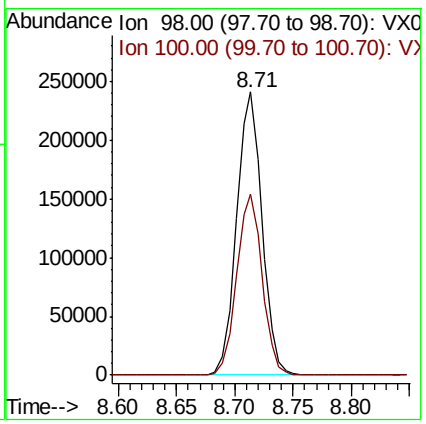


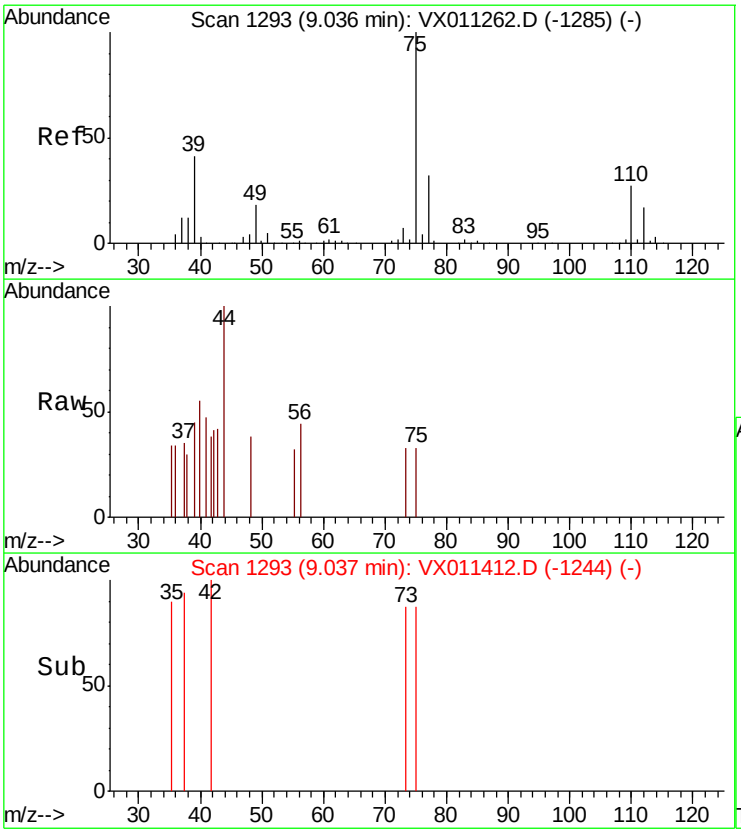

#50
Toluene-d8
Concen: 46.575 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 98 Resp: 367273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 51.7 | 77.5 |

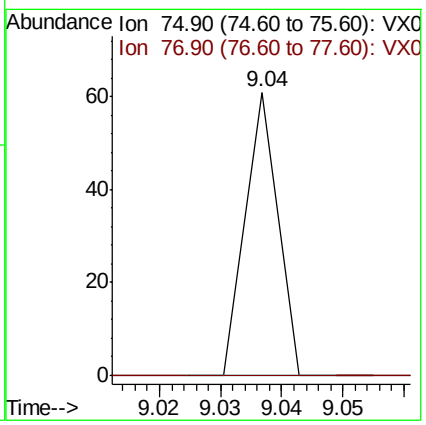


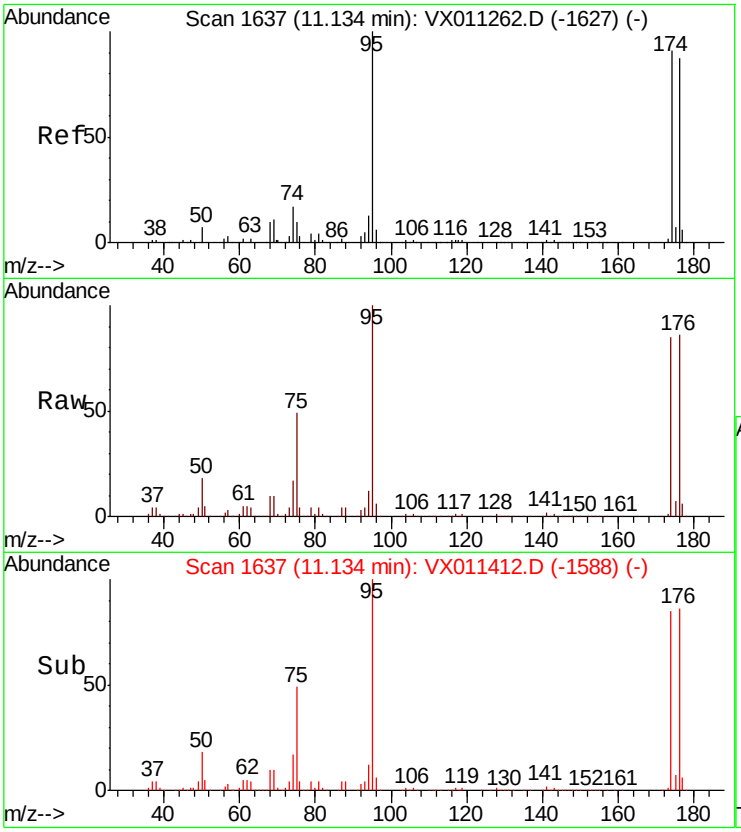




#53
t-1,3-Dichloropropene
Concen: 2.845 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 75 Resp: 22

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.4 | 38.0# |



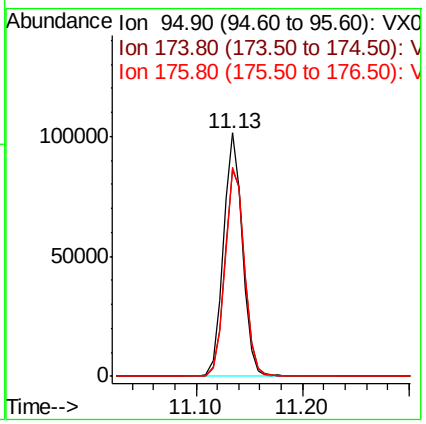


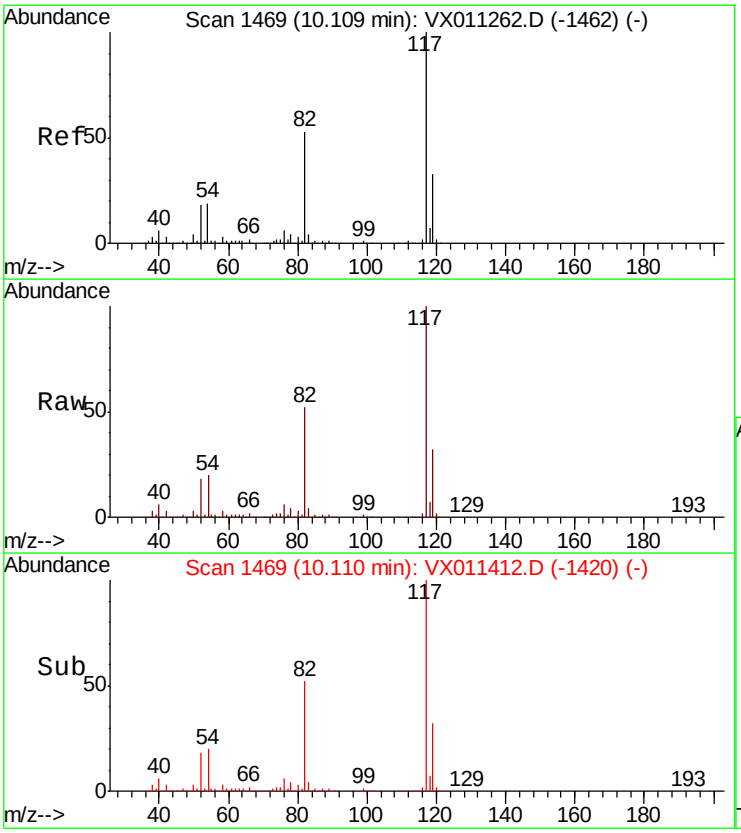

#62
4-Bromofluorobenzene
Concen: 44.870 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 95 Resp: 126325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 88.3 | 0.0 | 191.2 |
| 176 | 87.7 | 0.0 | 184.8 |

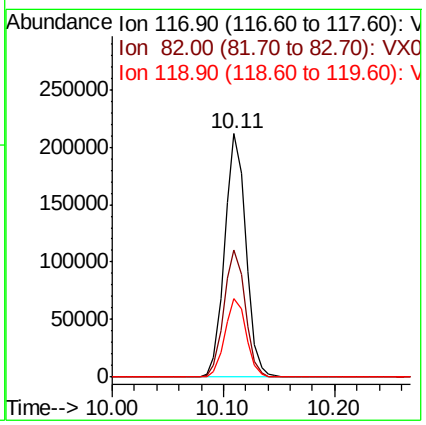


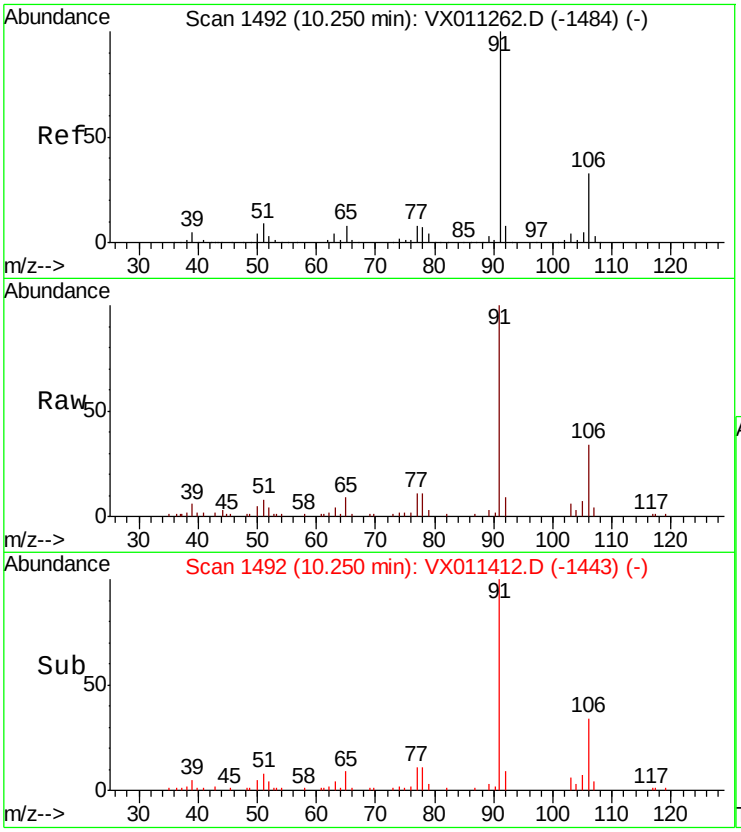




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion:117 Resp: 279216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.5 | 42.2 | 63.2 |
| 119 | 32.5 | 26.6 | 39.8 |



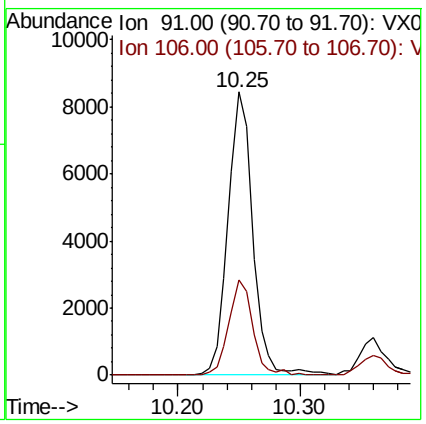


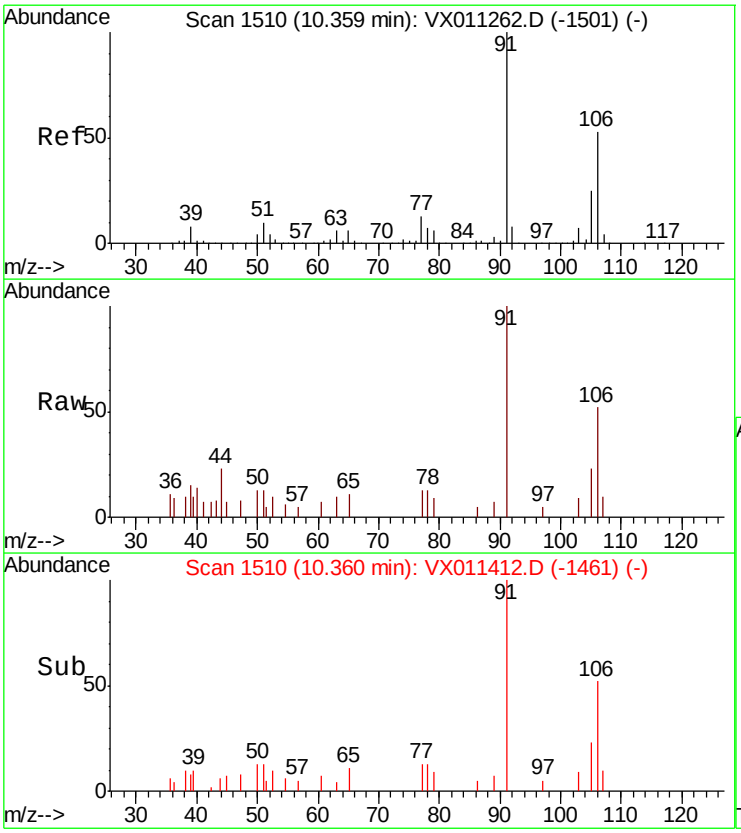

#67
Ethyl Benzene
Concen: 1.178 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 91 Resp: 11810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 33.5 | 26.2 | 39.4 |

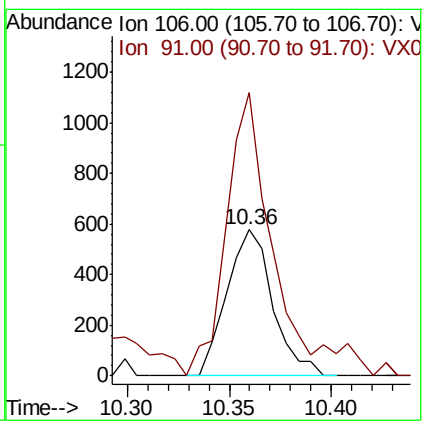


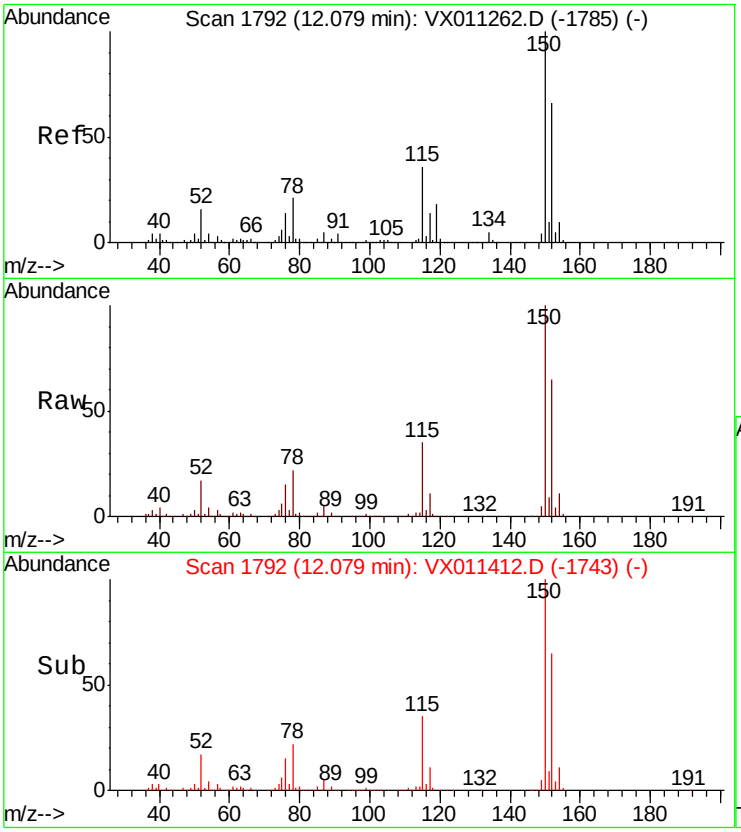




#68
m/p-Xylenes
Concen: 0.232 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion:106 Resp: 900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.2 | 155.9 | 233.9 |



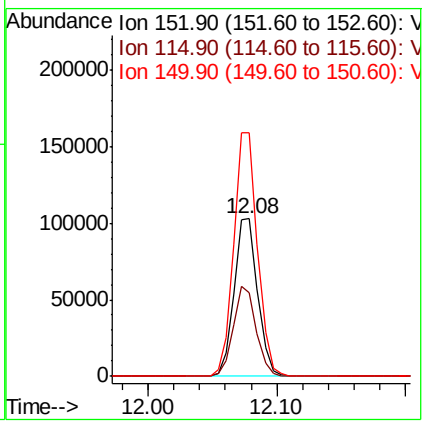


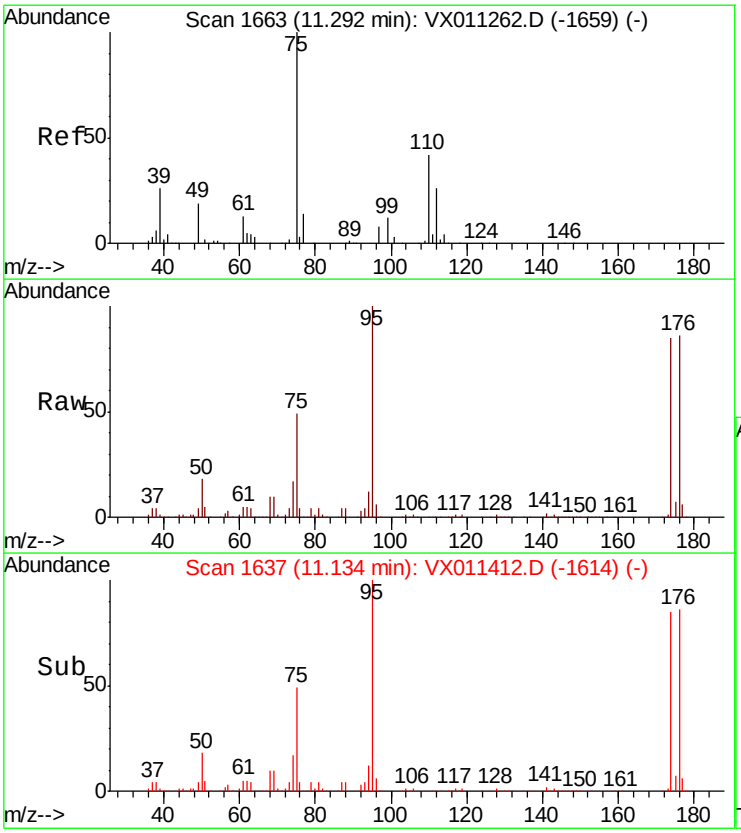

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :** MSVOA_X
**ClientSampleId :** Z3-ER-2019-1

Tgt Ion:152 Resp: 131517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.5 | 40.0 | 119.9 |
| 150 | 155.2 | 0.0 | 350.4 |

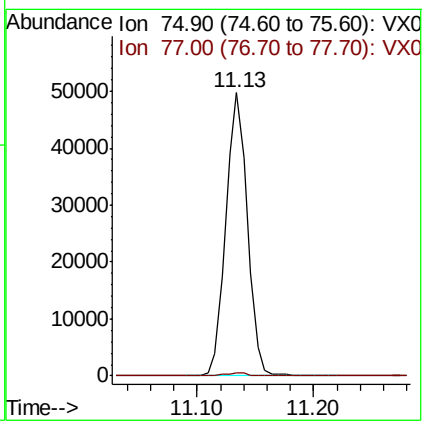


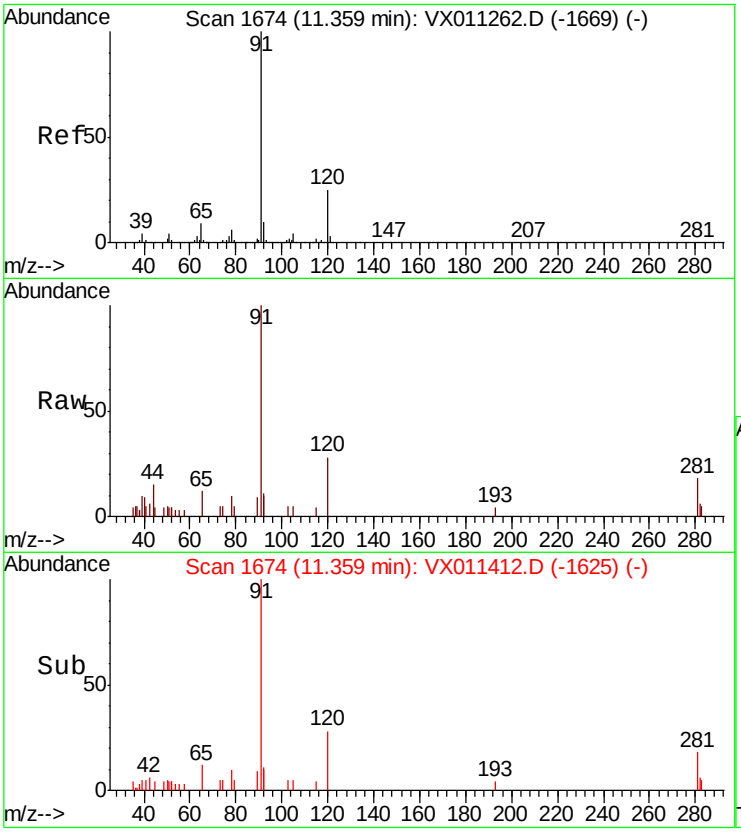




#76
1,2,3-Trichloropropane
Concen: 26.645 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 75 Resp: 63816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 21.1 | 63.4# |



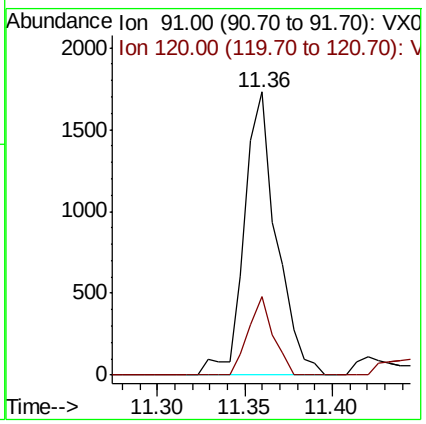


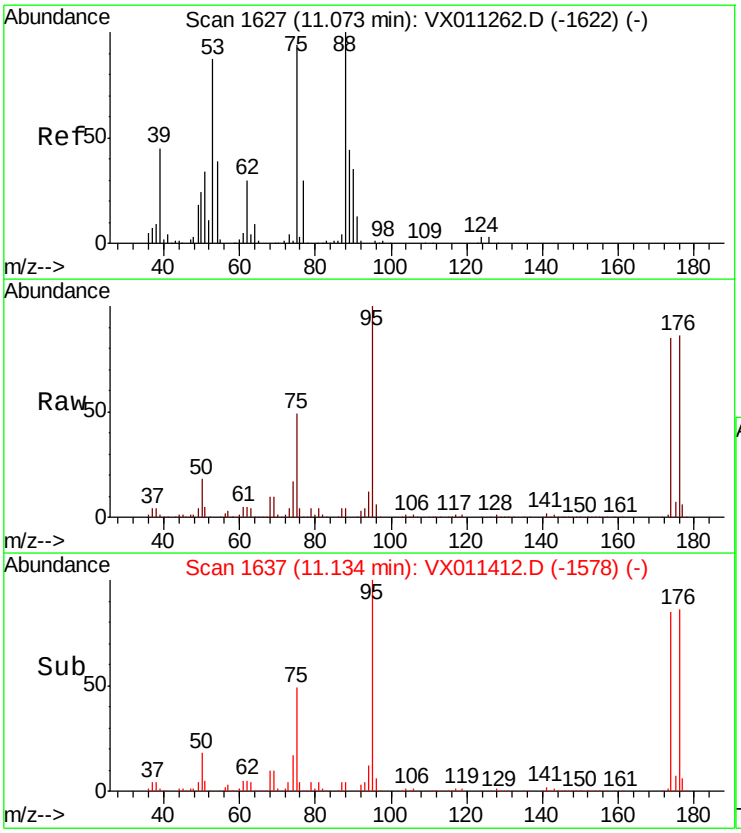

#78
n-propylbenzene
Concen: 0.222 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion: 91 Resp: 2223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.3 | 12.4 | 37.0 |

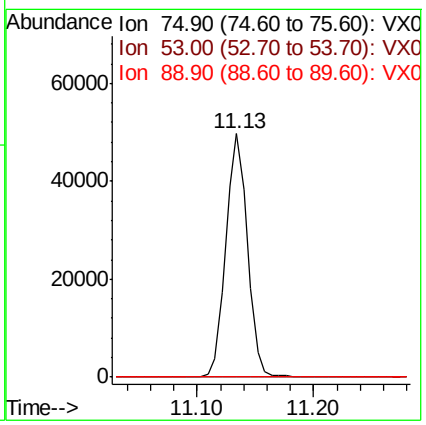


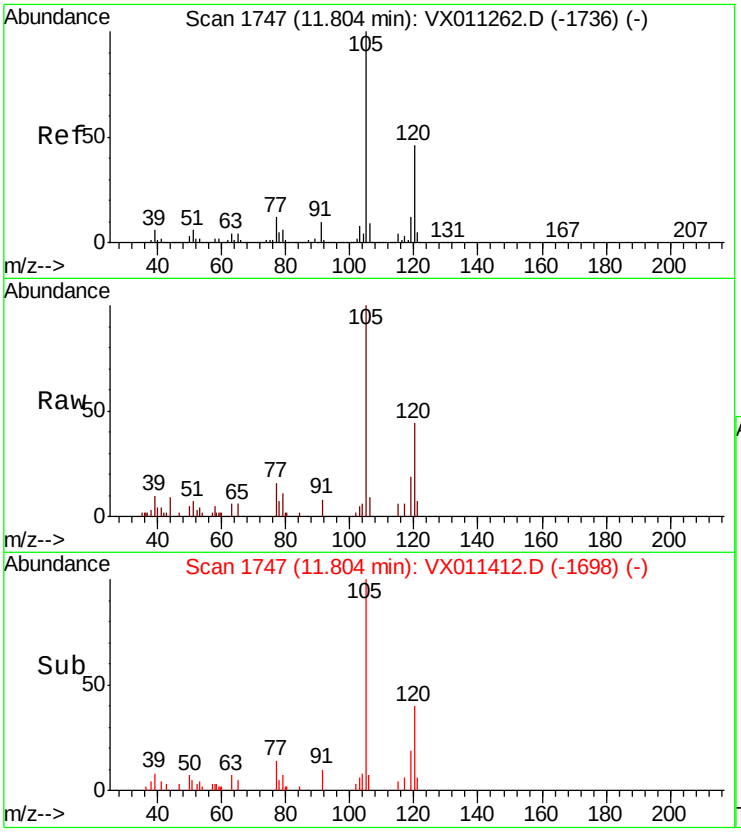




#81
trans-1,4-Dichloro-2-butene
Concen: 69.233 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion: 75 Resp: 63816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 78.2 | 117.4# |
| 89 | 0.0 | 37.9 | 56.9# |



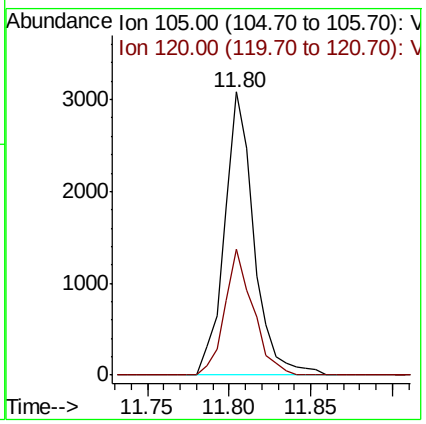


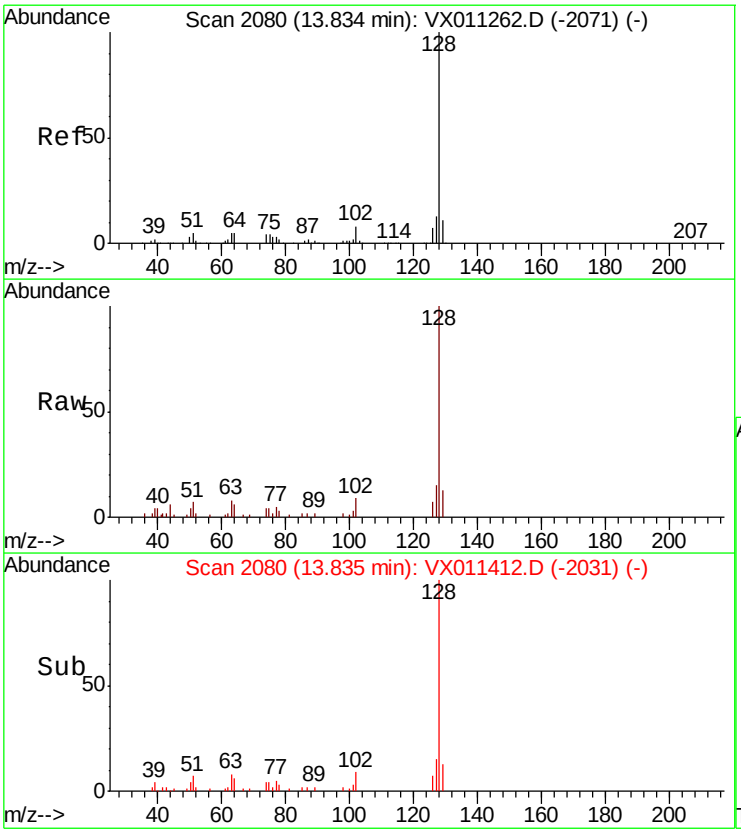

#84
1,2,4-Trimethylbenzene
Concen: 0.514 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z3-ER-2019-1

Tgt Ion:105 Resp: 3852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.9 | 23.0 | 69.0 |




#95
Naphthalene
Concen: 0.735 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011412.D
Acq: 09 Aug 2019 16:05

Tgt Ion:128 Resp: 6308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 16.1 | 10.4 | 15.6# |
| 129 | 11.5 | 8.9 | 13.3 |