Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031220\

Quantitation Report (Not Reviewed)

Data File : VX015223.D
Acq On : 12 Mar 2020 09:33
Operator : JC/SP
Sample : VX0312WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VX0312WBL01

Quant Time: Mar 13 02:14:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 307021 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.84 | 114 | 475950 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 407790 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 193852 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 168207 | 46.18 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.36% | | | | |
| 35) Dibromofluoromethane | 5.48 | 113 | 147072 | 48.98 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.96% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 532242 | 46.60 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.20% | | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 182978 | 44.91 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.82% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Bromomethane | 1.65 | 94 | 1004 | 0.423 | ug/l | | 99 |
| 10) Methyl Iodide | 2.51 | 142 | 1905 | 0.583 | ug/l | # | 91 |
| 11) Tert butyl alcohol | 3.00 | 59 | 368 | 0.582 | ug/l | # | 1 |
| 13) Acrolein | 2.28 | 56 | 334 | 0.562 | ug/l | # | 38 |
| 17) Carbon Disulfide | 2.56 | 76 | 1953 | 0.236 | ug/l | # | 90 |
| 20) Methylene Chloride | 2.83 | 84 | 897 | 0.260 | ug/l | # | 18 |
| 21) trans-1,2-Dichloroethene | 3.16 | 96 | 740 | 0.232 | ug/l | # | 22 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 19810 | 4.502 | ug/l | # | 53 |
| 37) Ethyl Acetate | 4.84 | 43 | 897 | 0.220 | ug/l | # | 79 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 25916 | 6.240 | ug/l | # | 18 |
| 49) 1,4-Dioxane | 7.73 | 88 | 82 | 1.038 | ug/l | # | 1 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 87964 | 22.749 | ug/l | # | 34 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 87964 | 64.561 | ug/l | # | 11 |
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 1434 | 0.343 | ug/l | # | 88 |
| 94) Hexachlorobutadiene | 13.78 | 225 | 442 | 0.206 | ug/l | | 68 |
| 95) Naphthalene | 13.83 | 128 | 3114 | 1.656 | ug/l | # | 86 |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180 | 1509 | 0.361 | ug/l | | 95 |

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

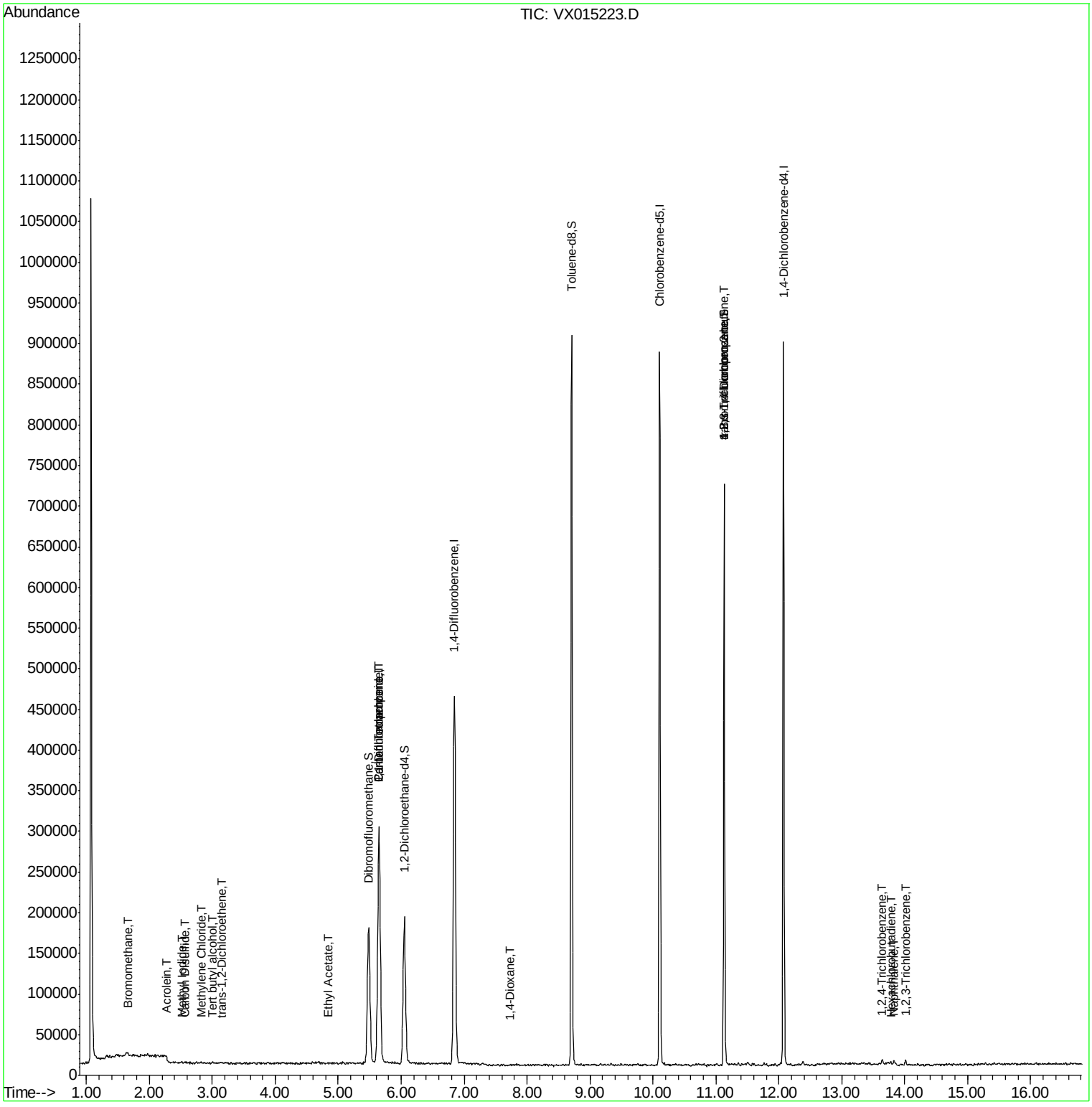
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031220\

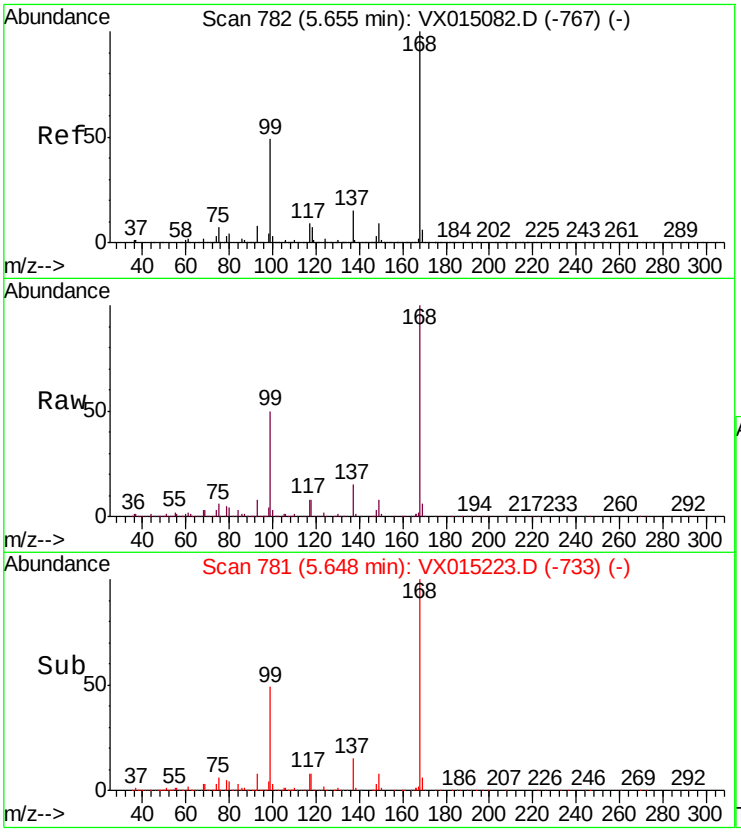
Quantitation Report (Not Reviewed)

Data File : VX015223.D
Acq On : 12 Mar 2020 09:33
Operator : JC/SP
Sample : VX0312WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Quant Time: Mar 13 02:14:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration



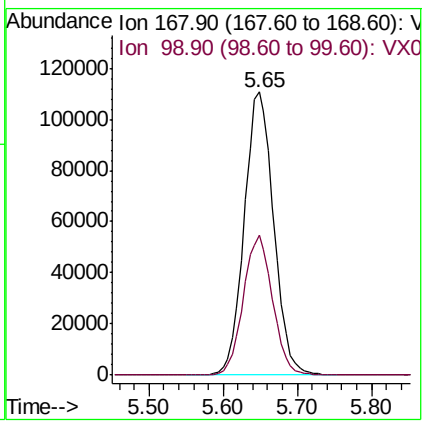


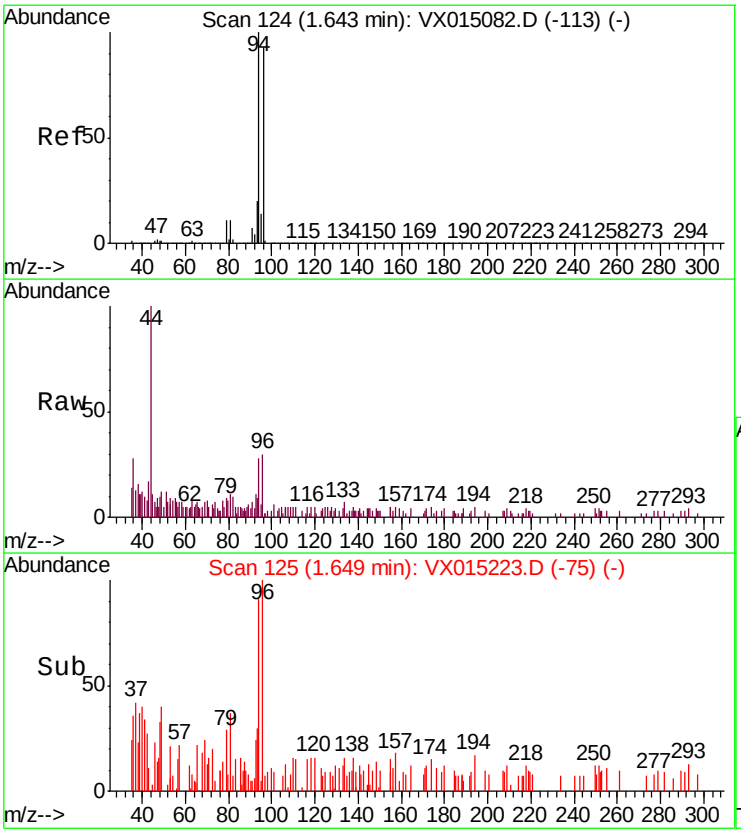

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion:168 Resp: 307021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.4 | 39.4 | 59.2 |

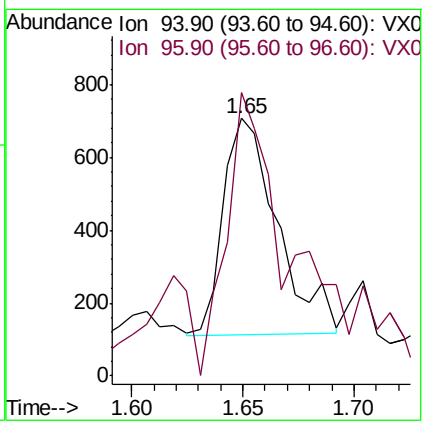


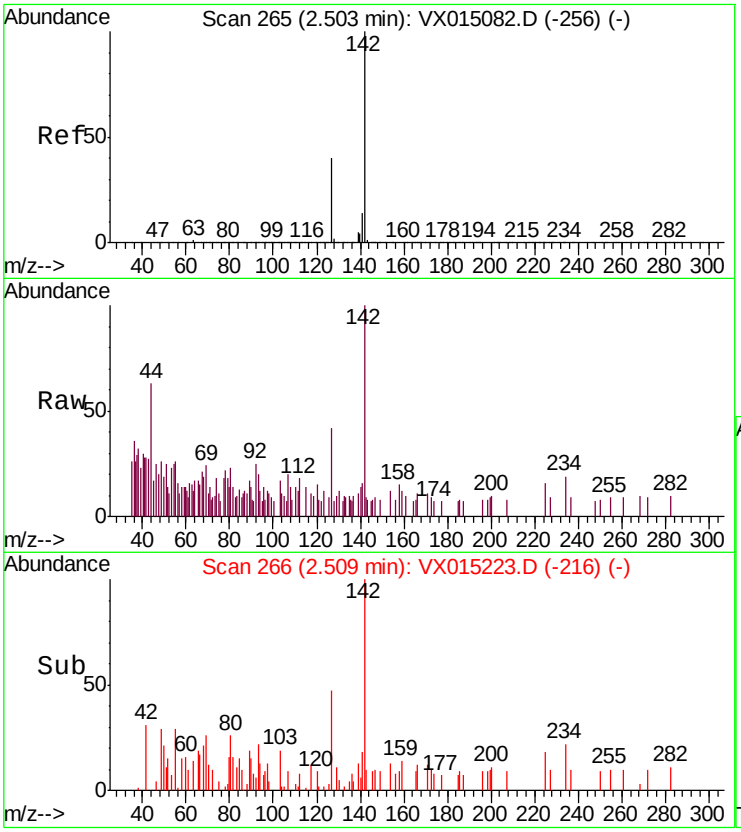




#5
Bromomethane
Concen: 0.423 ug/l
RT: 1.65 min Scan# 125
Delta R.T. 0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion: 94 Resp: 1004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 74.6 | 111.8 |



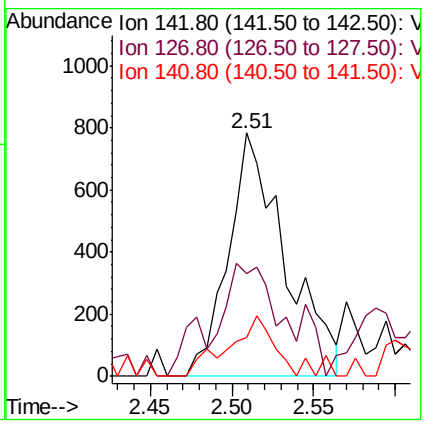


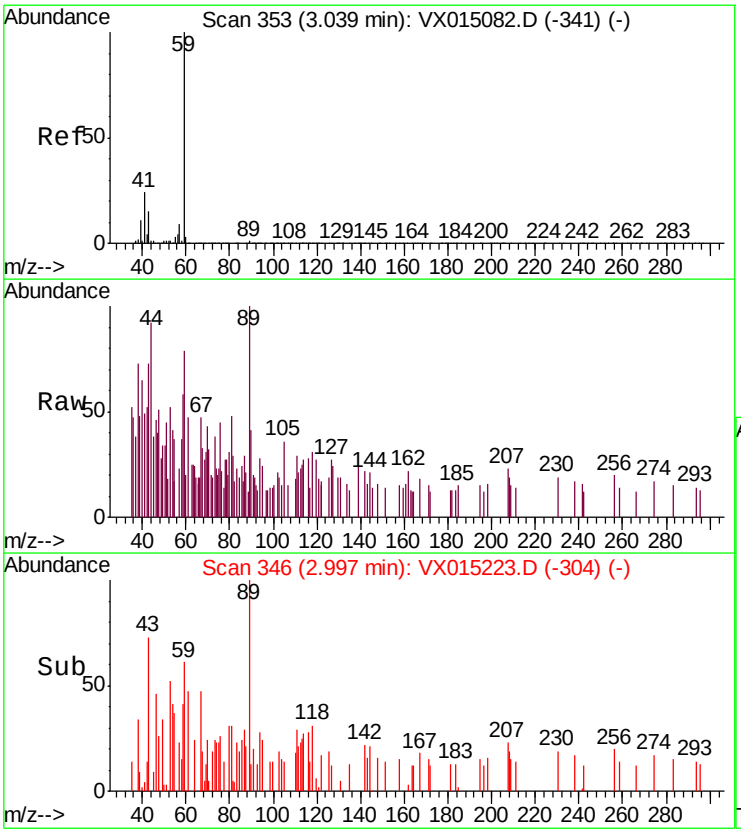

#10
Methyl Iodide
Concen: 0.583 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion:142 Resp: 1905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 34.9 | 31.7 | 47.5 |
| 141 | 19.3 | 11.3 | 16.9# |

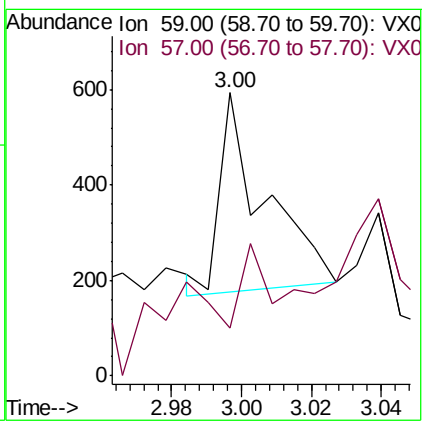


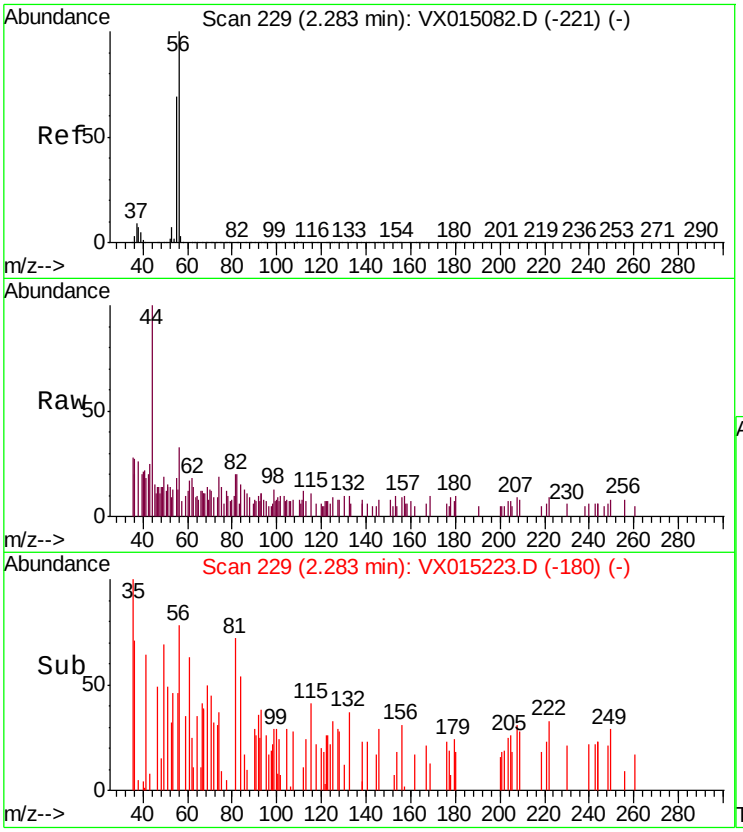




#11
Tert butyl alcohol
Concen: 0.582 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.04 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion: 59 Resp: 368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 59.2 | 8.2 | 12.4# |



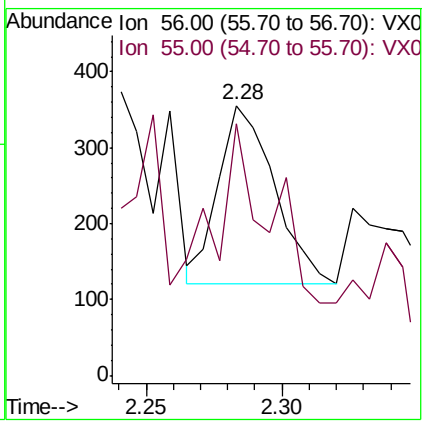


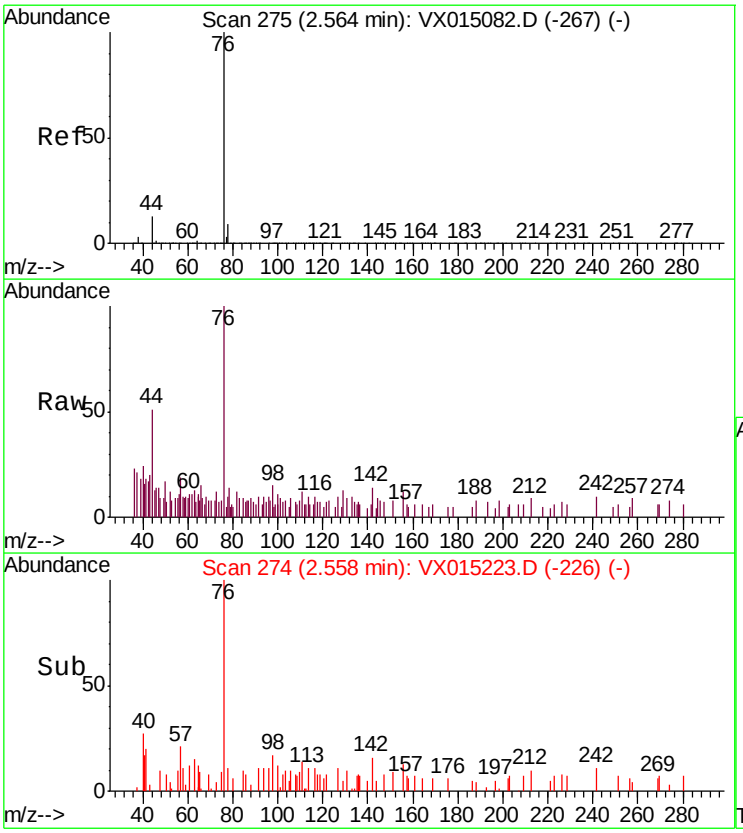

#13
Acrolein
Concen: 0.562 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :** MSVOA_X
**ClientSampleId :** VX0312WBL01

Tgt Ion: 56 Resp: 334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 119.5 | 55.4 | 83.0# |

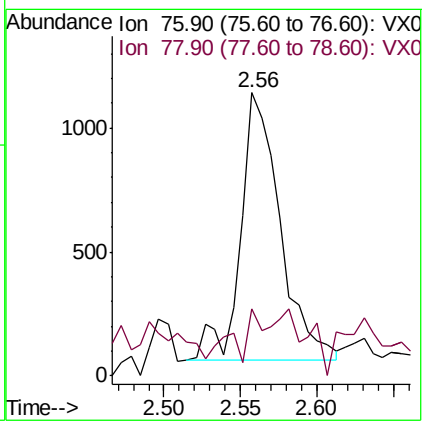


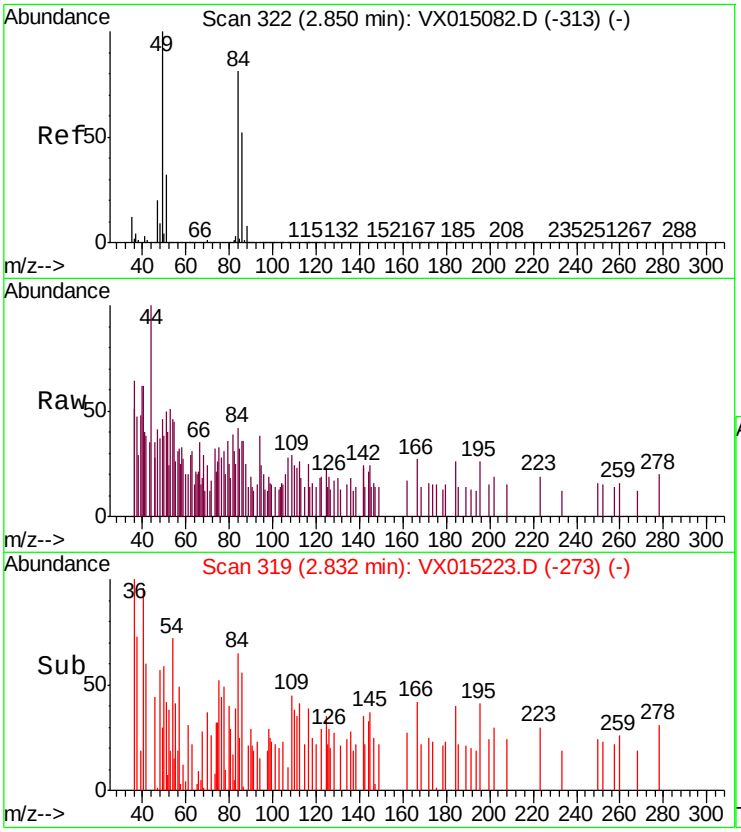




#17
Carbon Disulfide
Concen: 0.236 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion: 76 Resp: 1953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 12.8 | 7.3 | 10.9# |



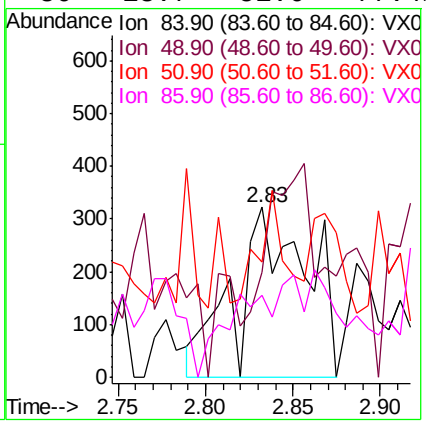


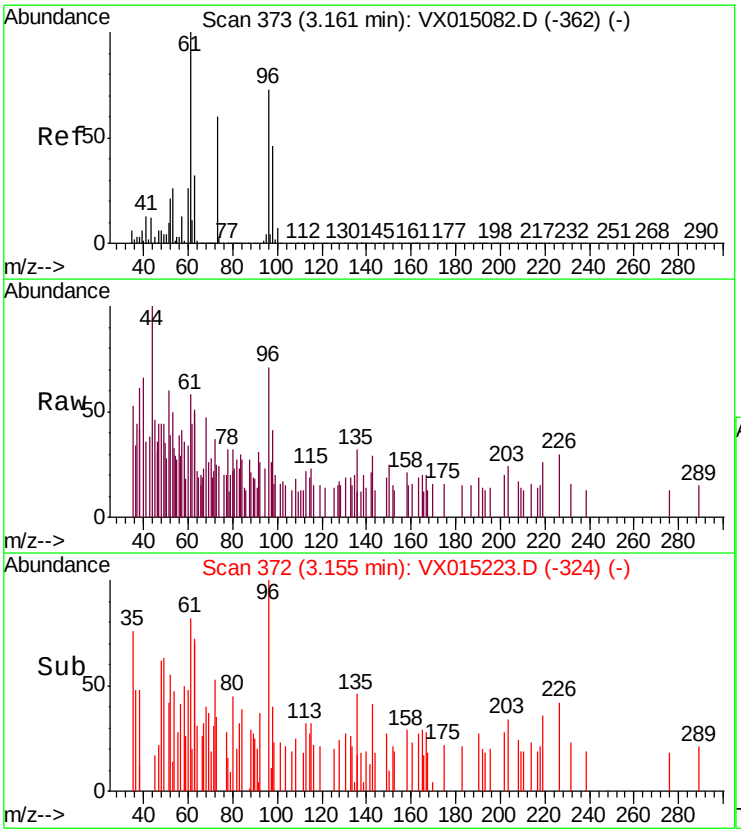

#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.02 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :** MSVOA_X
**ClientSampleId :** VX0312WBL01

Tgt Ion: 84 Resp: 897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 15.2 | 99.4 | 149.2# |
| 51 | 0.0 | 31.5 | 47.3# |
| 86 | 13.7 | 51.6 | 77.4# |

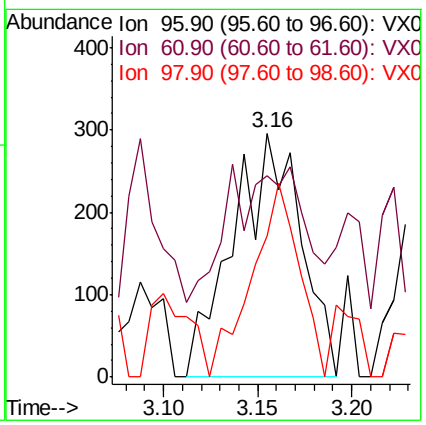


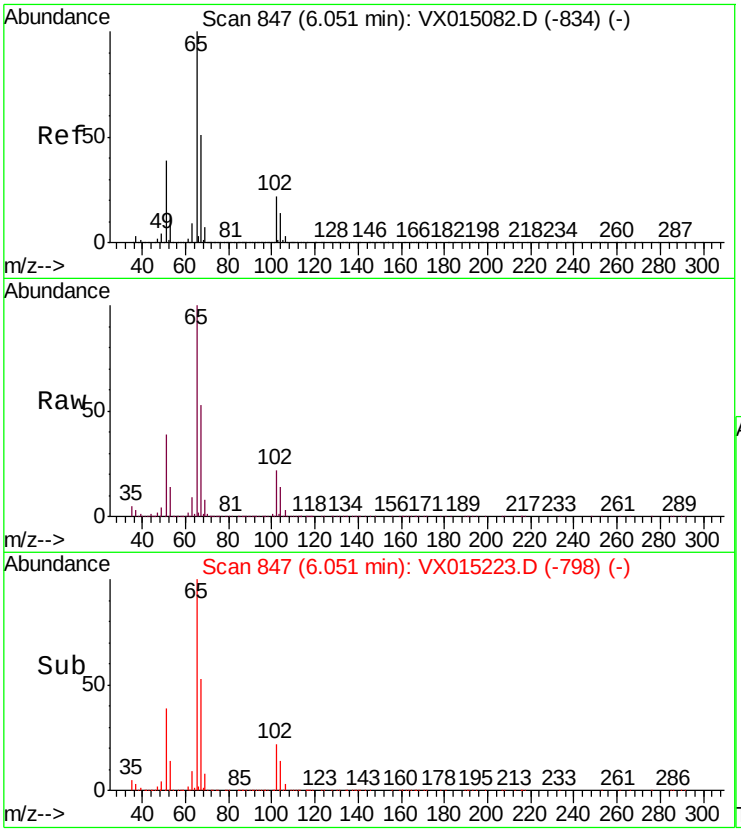




#21
trans-1,2-Dichloroethene
Concen: 0.232 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion: 96 Resp: 740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 22.0 | 109.9 | 164.9# |
| 98 | 33.1 | 50.2 | 75.2# |



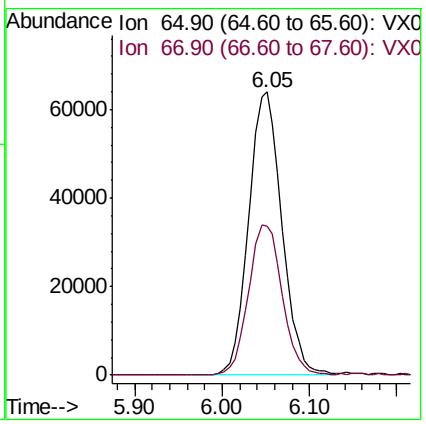


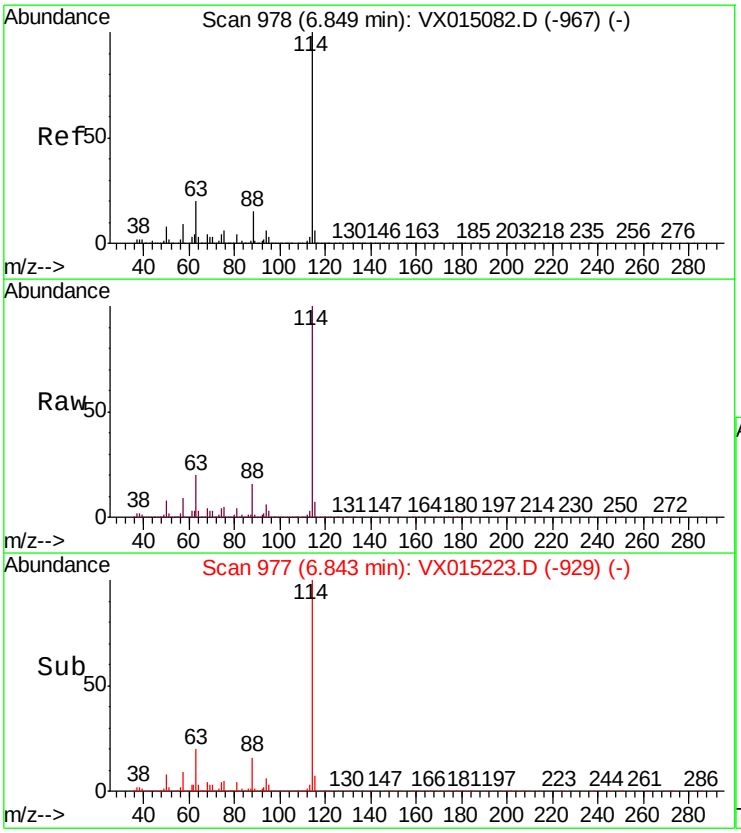

#33
1,2-Dichloroethane-d4
Concen: 46.180 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion: 65 Resp: 168207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.7 | 0.0 | 105.6 |

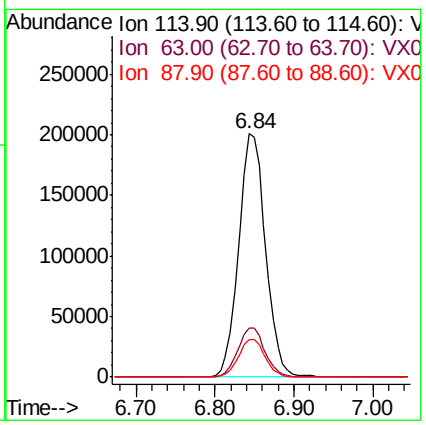


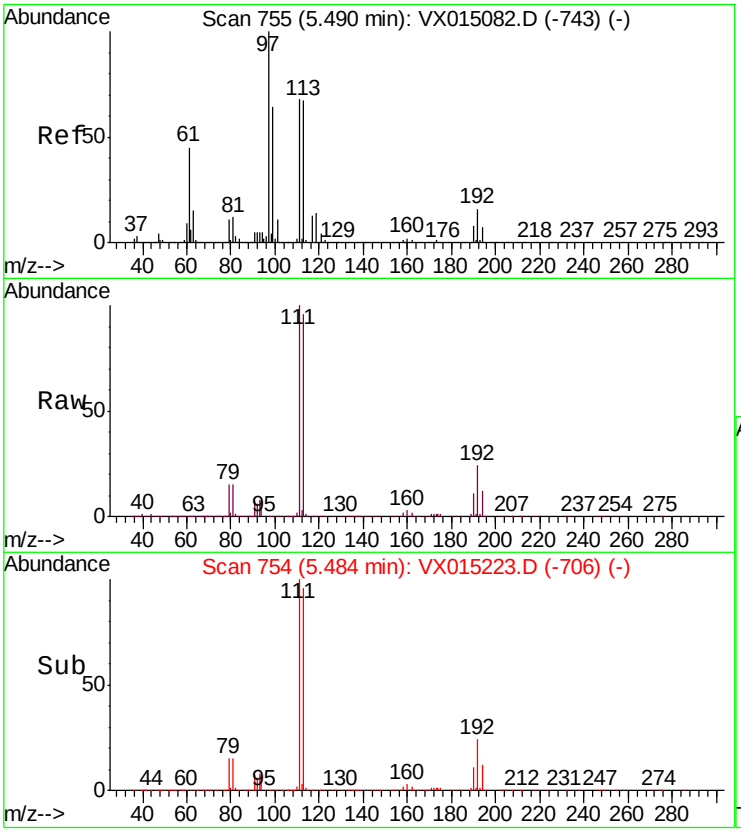




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion:114 Resp: 475950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 40.0 |
| 88 | 15.6 | 0.0 | 30.6 |



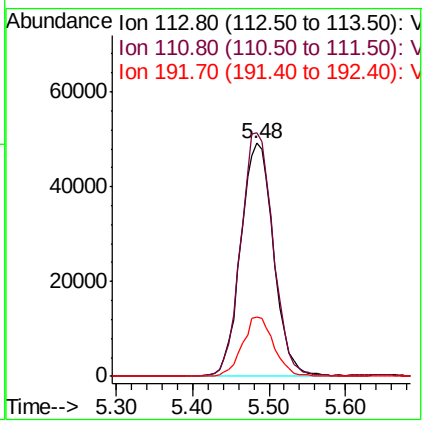


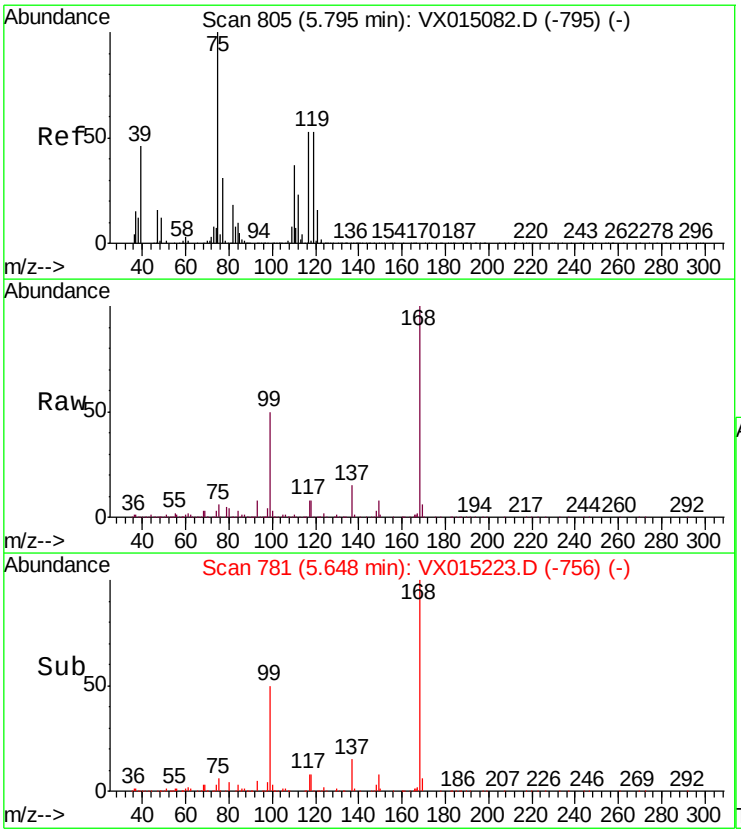

#35
Dibromofluoromethane
Concen: 48.981 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion:113 Resp: 147072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 82.6 | 123.8 |
| 192 | 24.3 | 18.6 | 28.0 |

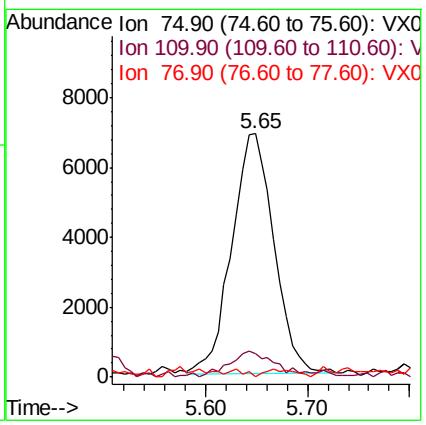


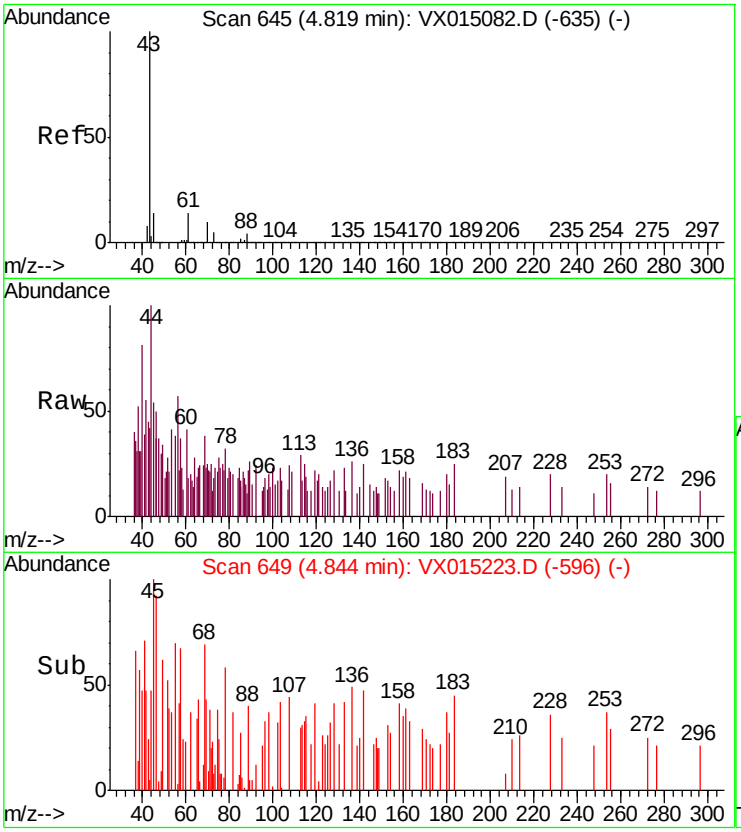




#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.15 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion: 75 Resp: 19810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.9 | 17.9 | 53.8# |
| 77 | 1.2 | 24.8 | 37.2# |



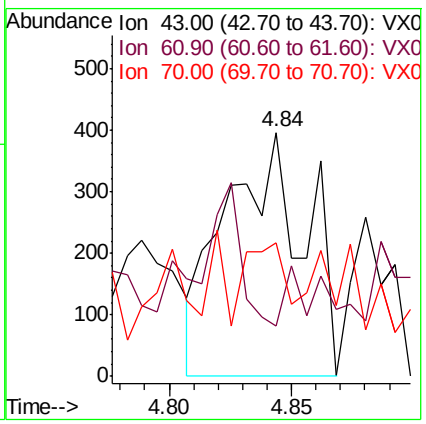


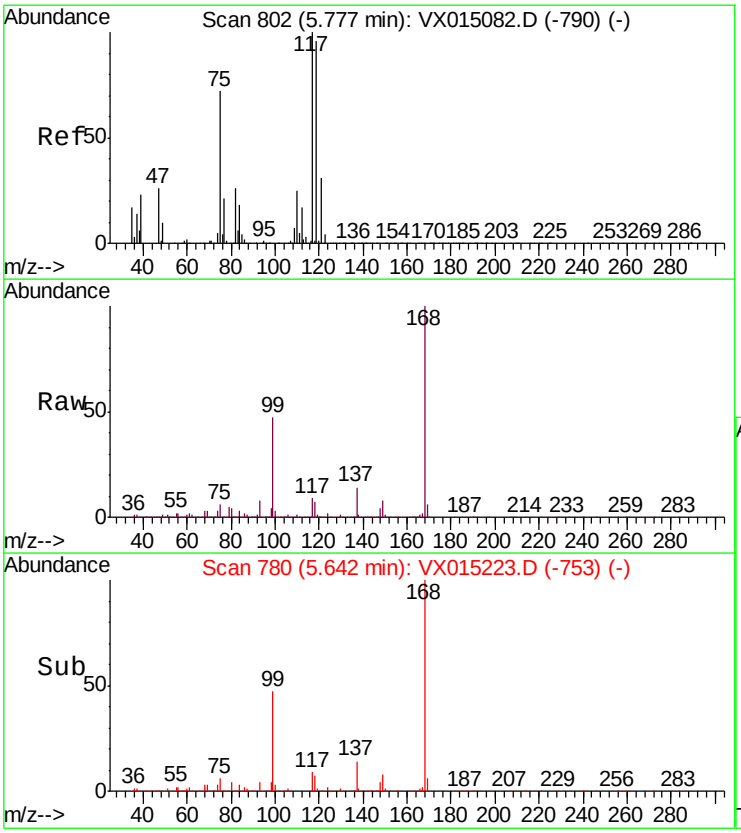

#37
Ethyl Acetate
Concen: 0.220 ug/l
RT: 4.84 min Scan# 649
Delta R.T. 0.02 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :** MSVOA_X
**ClientSampleId :** VX0312WBL01

Tgt Ion: 43 Resp: 897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.1 | 11.0 | 16.4 |
| 70 | 25.5 | 8.1 | 12.1# |

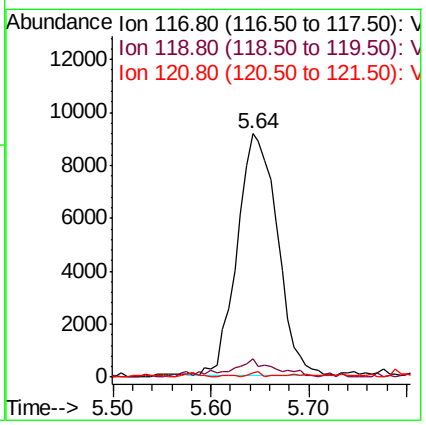


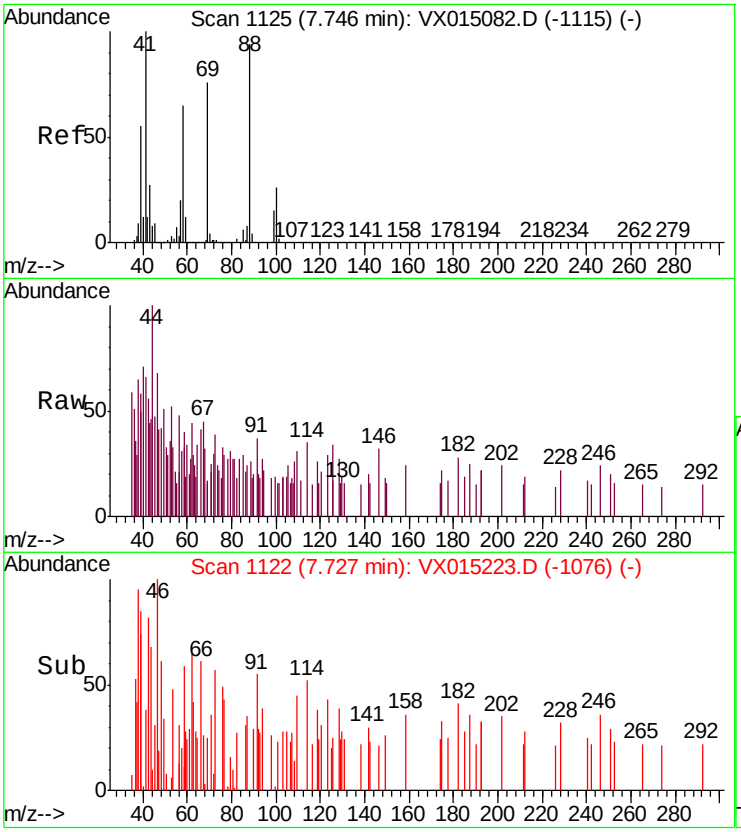




#38
Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion:117 Resp: 25916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 7.0 | 76.9 | 115.3# |
| 121 | 1.3 | 24.6 | 37.0# |



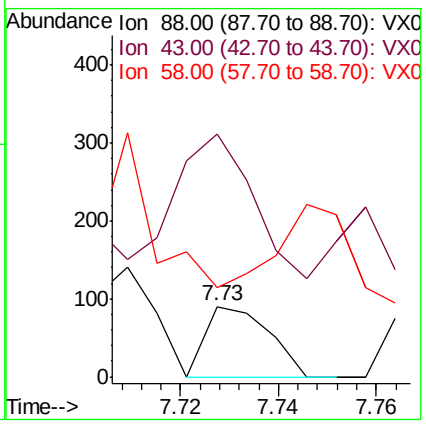


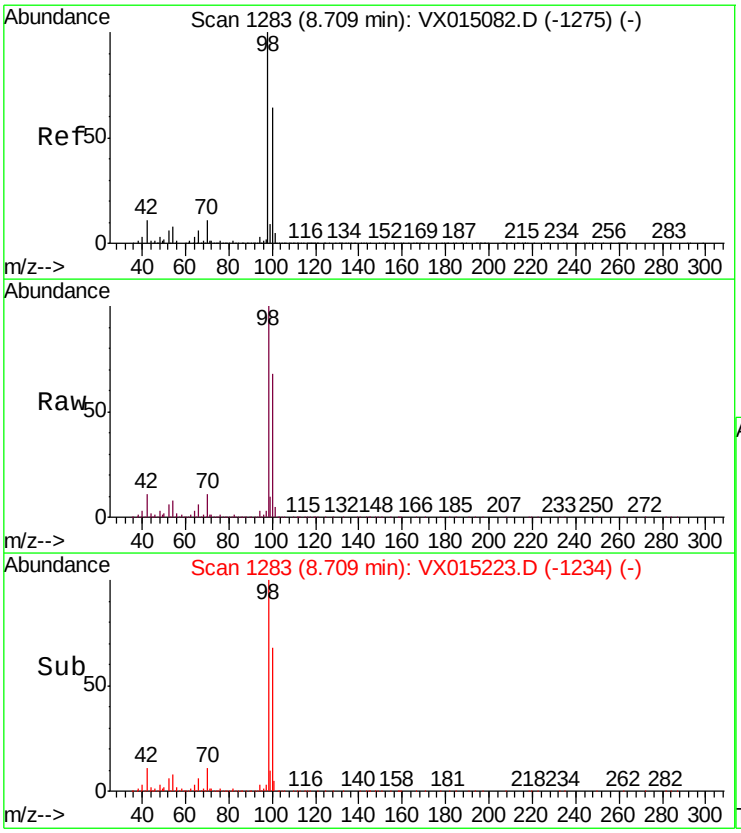

#49
1,4-Dioxane
Concen: 1.038 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion: 88 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 247.6 | 27.0 | 40.4# |
| 58 | 0.0 | 55.6 | 83.4# |

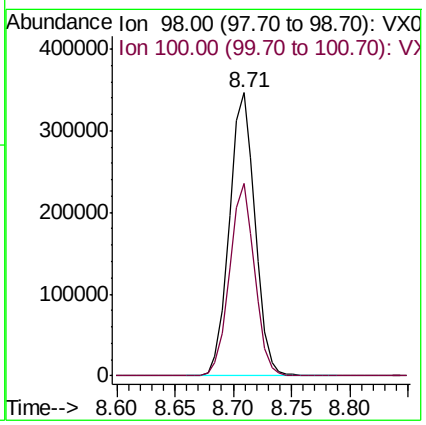


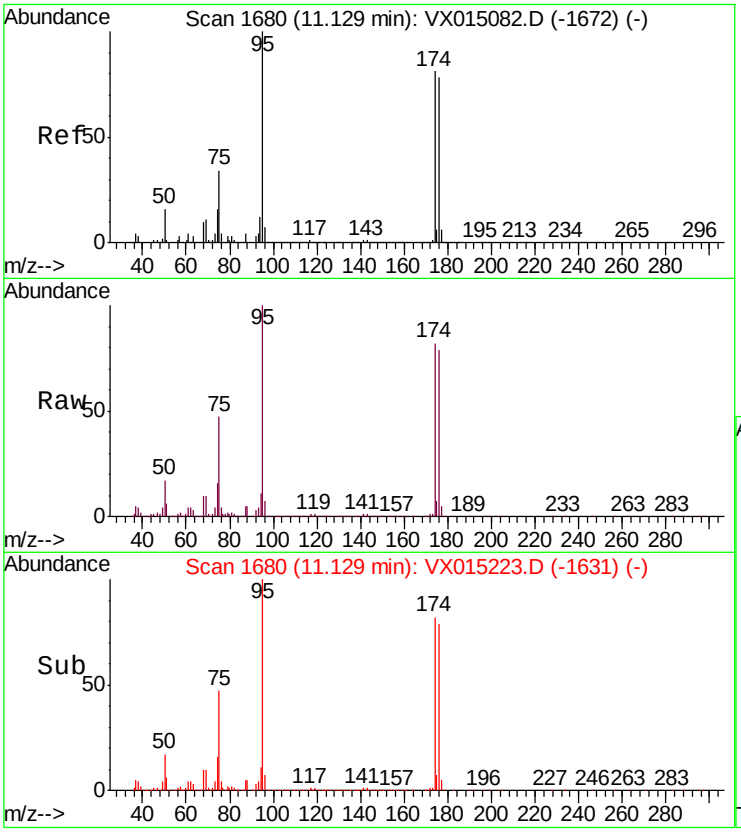




#50
Toluene-d8
Concen: 46.600 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion: 98 Resp: 532242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 52.4 | 78.6 |



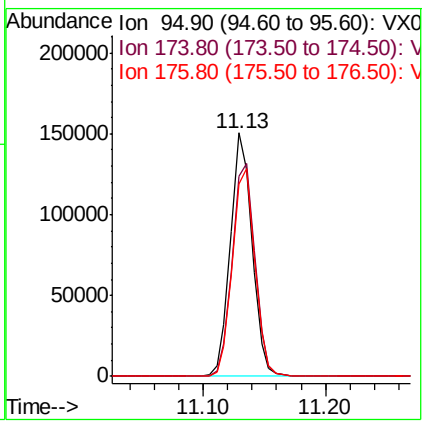


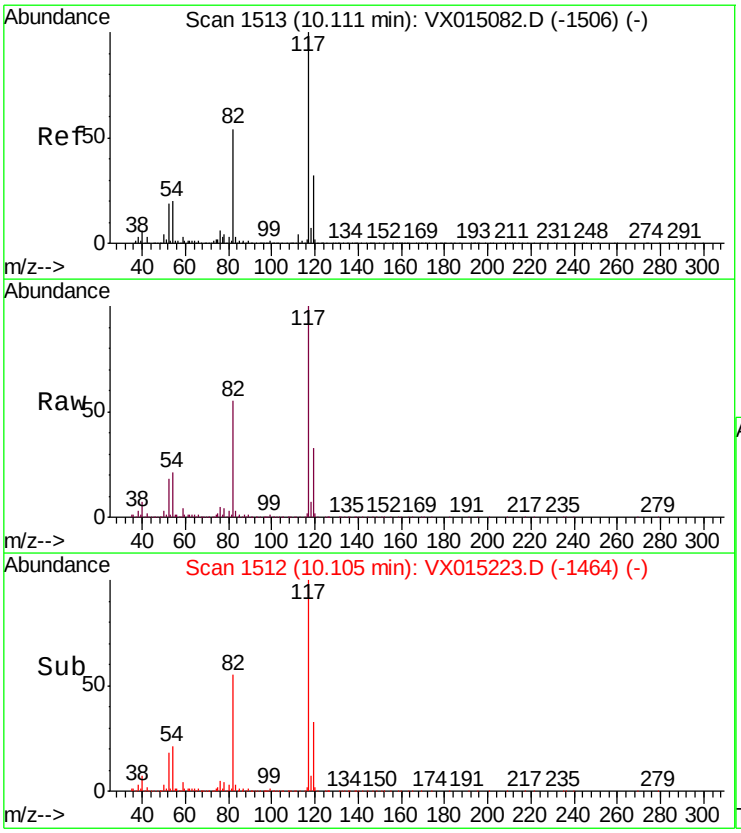

#62
4-Bromofluorobenzene
Concen: 44.914 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion: 95 Resp: 182978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.3 | 0.0 | 177.6 |
| 176 | 89.3 | 0.0 | 170.2 |

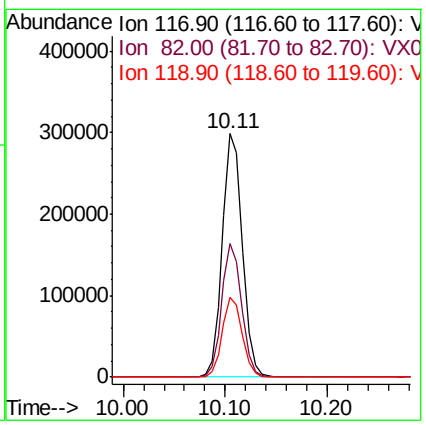


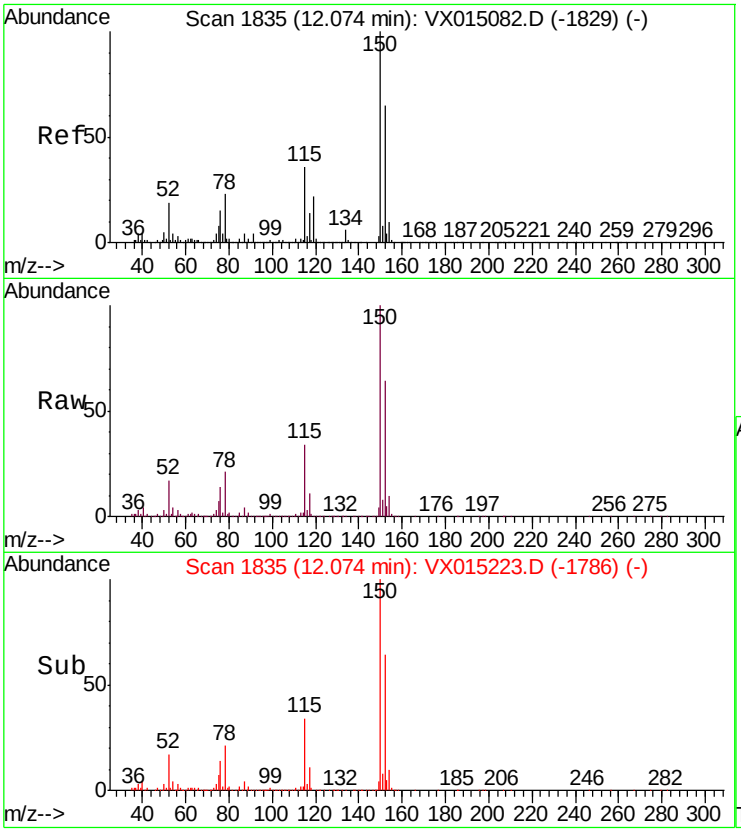




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion:117 Resp: 407790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 43.3 | 64.9 |
| 119 | 32.6 | 25.8 | 38.8 |



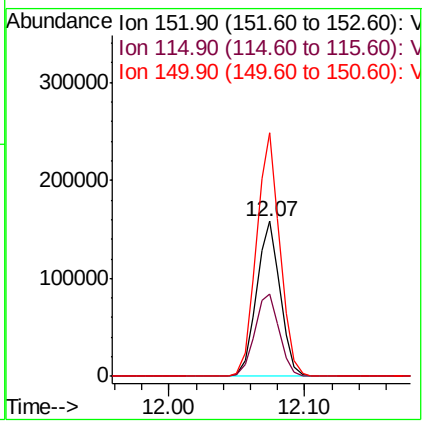


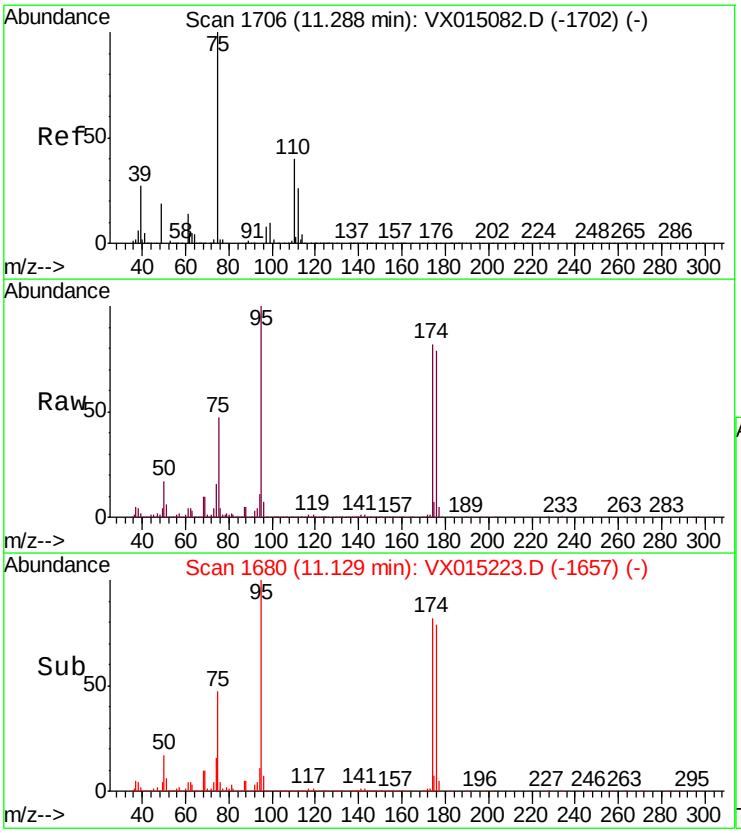

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :** MSVOA_X
**ClientSampleId :** VX0312WBL01

Tgt Ion:152 Resp: 193852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.8 | 38.2 | 114.6 |
| 150 | 155.2 | 0.0 | 343.8 |

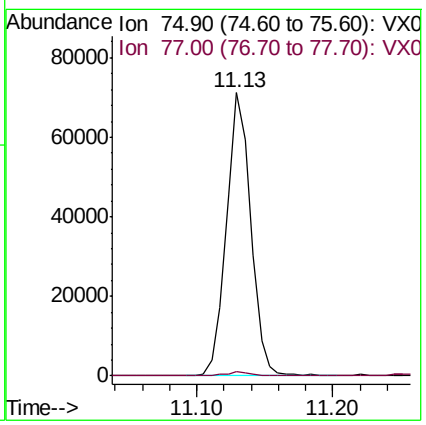


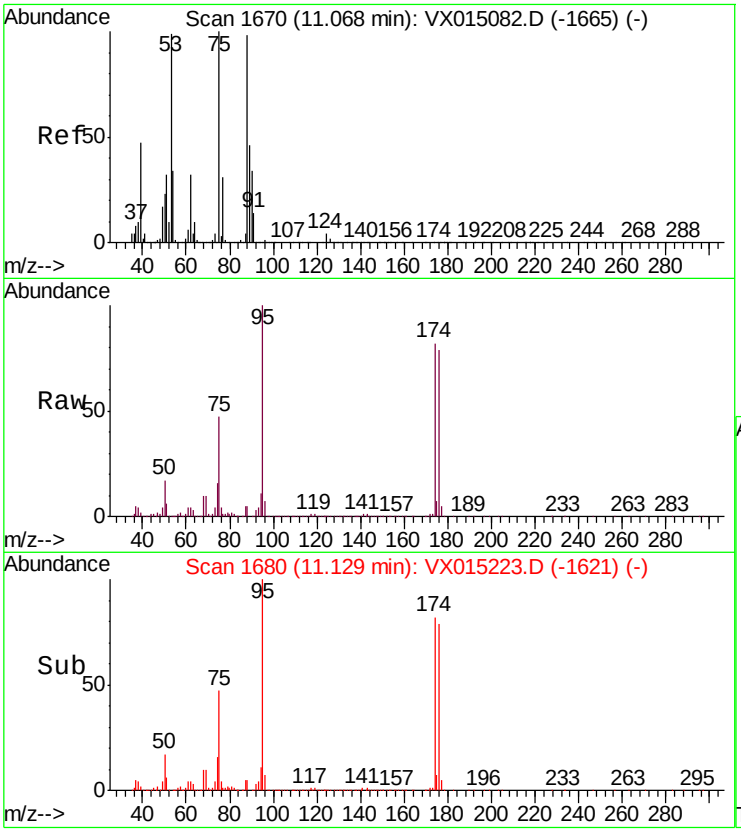




#76
1,2,3-Trichloropropane
Concen: 22.749 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion: 75 Resp: 87964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.7 | 22.6 | 67.8# |



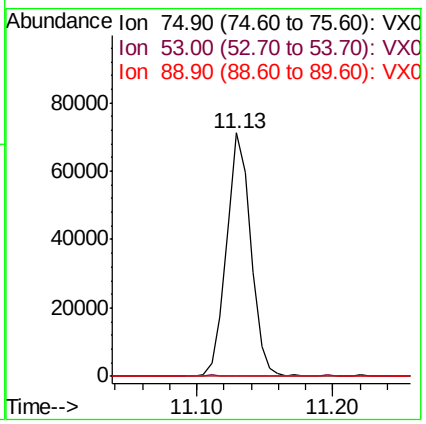


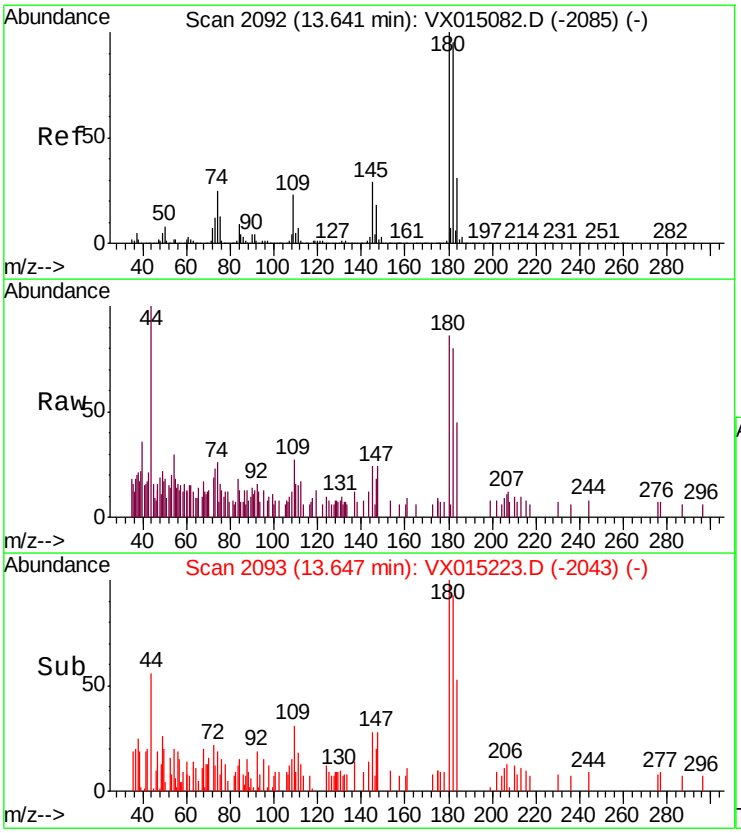

#81
trans-1,4-Dichloro-2-butene
Concen: 64.561 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion: 75 Resp: 87964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 77.9 | 116.9# |
| 89 | 0.0 | 36.2 | 54.2# |

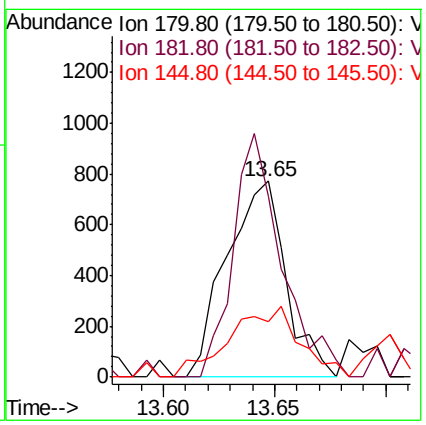


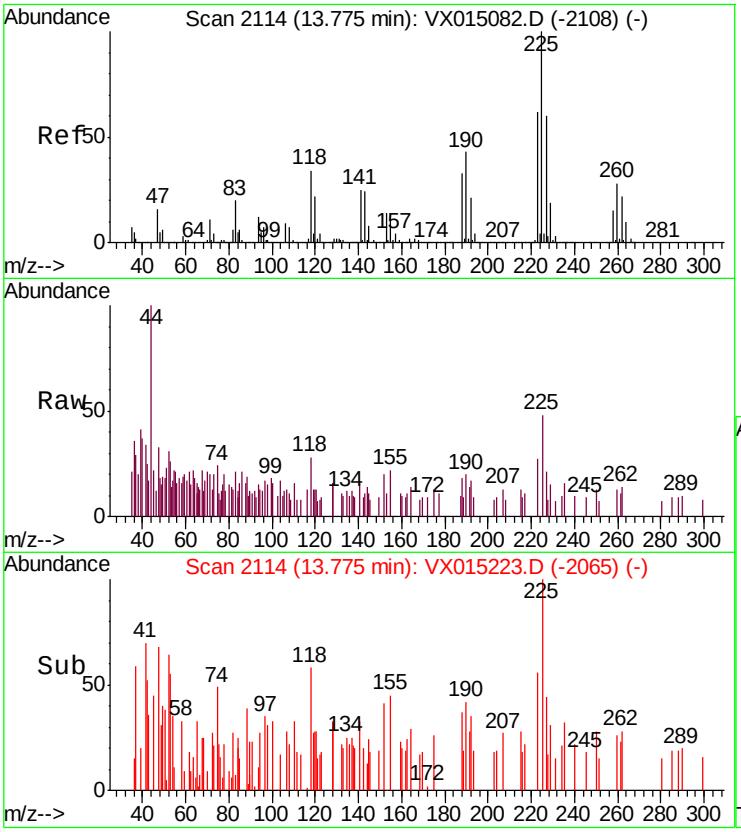




#93
1,2,4-Trichlorobenzene
Concen: 0.343 ug/l
RT: 13.65 min Scan# 2093
Delta R.T. 0.01 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion:180 Resp: 1434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 102.0 | 47.6 | 142.8 |
| 145 | 42.7 | 14.1 | 42.2# |



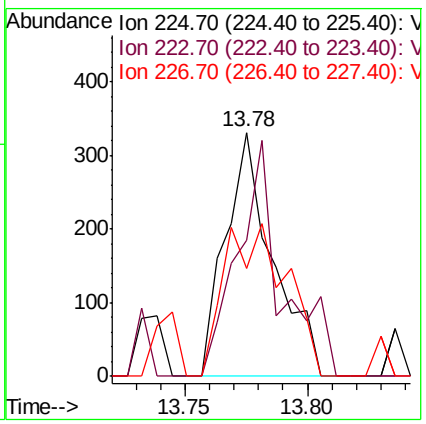


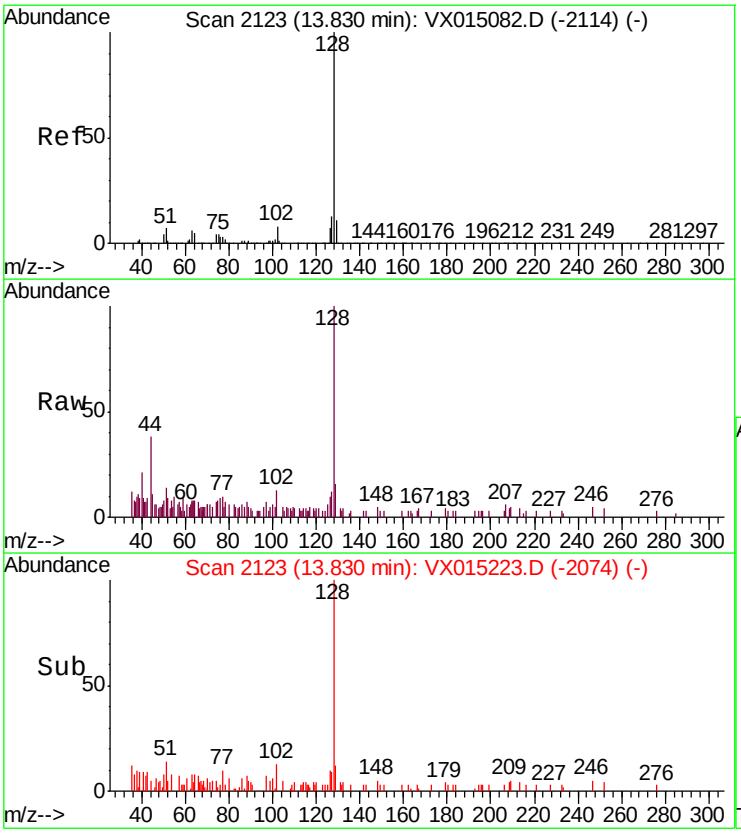

#94
Hexachlorobutadiene
Concen: 0.206 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion:225 Resp: 442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 91.2 | 31.3 | 93.9 |
| 227 | 82.6 | 31.1 | 93.2 |

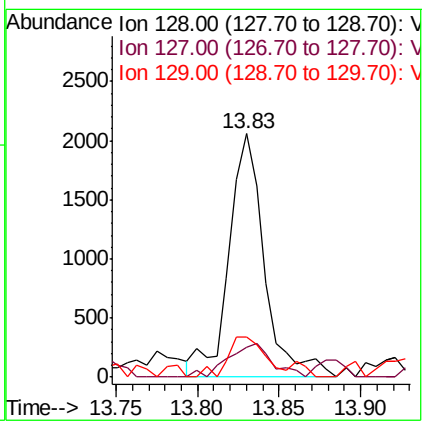


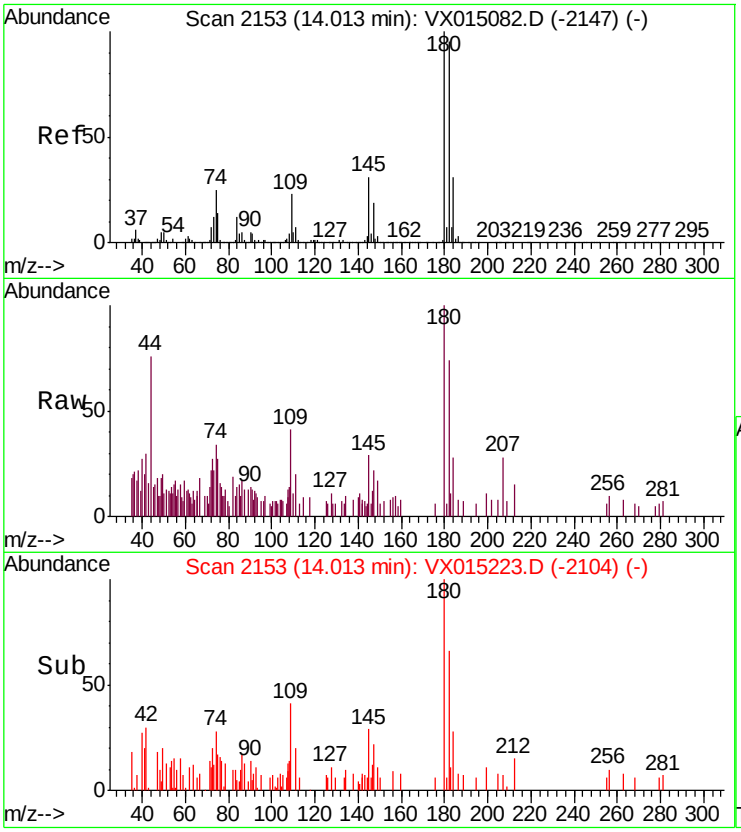




#95
Naphthalene
Concen: 1.656 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

Tgt Ion:128 Resp: 3114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 17.0 | 10.3 | 15.5# |
| 129 | 17.4 | 8.6 | 13.0# |






#96
1,2,3-Trichlorobenzene
Concen: 0.361 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015223.D
Acq: 12 Mar 2020 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0312WBL01

Tgt Ion:180 Resp: 1509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 47.8 | 143.4 |
| 145 | 40.3 | 15.1 | 45.3 |