Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092920\
Data File : VX018696.D
Acq On : 30 Sep 2020 13:46
Operator : JC/SP
Sample : L4135-17DL 100X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 57 Sample Multiplier: 1

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

Quant Time: Oct 01 01:08:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.83 | 114 | 229697 | 5.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 10.10 | 117 | 219093 | 5.00 | ug/L | | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 101508 | 5.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 41521 | 3.45 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 69.00% | | | | |
| 7) Chloroethane-d5 | 1.70 | 69 | 39922 | 3.94 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 78.80% | | | | |
| 11) 1,1-Dichloroethene-d2 | 2.34 | 63 | 81325 | 3.06 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 61.20% | | | | |
| 20) 2-Butanone-d5 | 4.56 | 46 | 150400 | 49.07 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 98.14% | | | | |
| 24) Chloroform-d | 5.14 | 84 | 122319 | 4.29 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 85.80% | | | | |
| 26) 1,2-Dichloroethane-d4 | 6.04 | 65 | 71335 | 4.30 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.00% | | | | |
| 32) Benzene-d6 | 6.05 | 84 | 214059 | 4.23 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.60% | | | | |
| 36) 1,2-Dichloropropane-d6 | 7.37 | 67 | 67422 | 4.38 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 87.60% | | | | |
| 41) Toluene-d8 | 8.70 | 98 | 189390 | 3.76 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 75.20% | | | | |
| 45) trans-1,3-Dichloropropene- | 8.99 | 79 | 28813 | 4.20 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.00% | | | | |
| 48) 2-Hexanone-d5 | 9.43 | 63 | 121360 | 49.45 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 98.90% | | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23 | 84 | 53861 | 4.69 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 93.80% | | | | |
| 65) 1,2-Dichlorobenzene-d4 | 12.36 | 152 | 75289 | 4.54 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 90.80% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Vinyl chloride | 1.39 | 62 | 7850 | 0.631 | ug/L | | 91 |
| 8) Chloroethane | 1.72 | 64 | 7802 | 1.141 | ug/L | | 89 |
| 13) Acetone | 2.46 | 43 | 5552 | 3.273 | ug/L | | 70 |
| 16) Methylene chloride | 2.84 | 84 | 4108 | 0.268 | ug/L | # | 82 |
| 19) 1,1-Dichloroethane | 3.68 | 63 | 4935 | 0.245 | ug/L | # | 92 |
| 22) cis-1,2-Dichloroethene | 4.56 | 96 | 52402 | 4.480 | ug/L | | 97 |
| 27) 1,2-Dichloroethane | 6.06 | 62 | 1680 | 0.121 | ug/L | | 96 |
| 33) Benzene | 6.11 | 78 | 1041793 | 24.662 | ug/L | | 100 |
| 37) 1,2-Dichloropropane | 7.37 | 63 | 8638 | 0.766 | ug/L | # | 88 |
| 42) Toluene | 8.76 | 91 | 2086517 | 45.729 | ug/L | | 98 |
| 43) 1,3,5-Trimethylbenzene | 11.49 | 105 | 11442 | 0.287 | ug/L | | 98 |
| 44) 1,2,4-Trimethylbenzene | 11.79 | 105 | 43618 | 1.093 | ug/L | | 100 |
| 50) 2-Hexanone | 9.43 | 43 | 16176 | 3.658 | ug/L | # | 66 |
| 53) Chlorobenzene | 10.12 | 112 | 55554 | 1.843 | ug/L | | 98 |
| 54) Ethylbenzene | 10.23 | 91 | 246855 | 4.967 | ug/L | | 98 |
| 55) m,p-xylene | 10.34 | 106 | 186972 | 9.839 | ug/L | | 92 |
| 56) o-xylene | 10.68 | 106 | 45482 | 2.533 | ug/L | | 94 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\
Data File : VX018696.D
Acq On : 30 Sep 2020 13:46
Operator : JC/SP
Sample : L4135-17DL 100X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 57 Sample Multiplier: 1

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

Quant Time: Oct 01 01:08:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 58) Isopropylbenzene | 11.01 | 105 | 30408 | 0.632 | ug/L | | 97 |
| 64) 1,4-Dichlorobenzene | 12.08 | 146 | 5663 | 0.254 | ug/L | | 98 |
| 66) 1,2-Dichlorobenzene | 12.38 | 146 | 6984 | 0.340 | ug/L | | 96 |
| 70) Naphthalene | 13.82 | 128 | 3290 | 0.143 | ug/L | # | 82 |

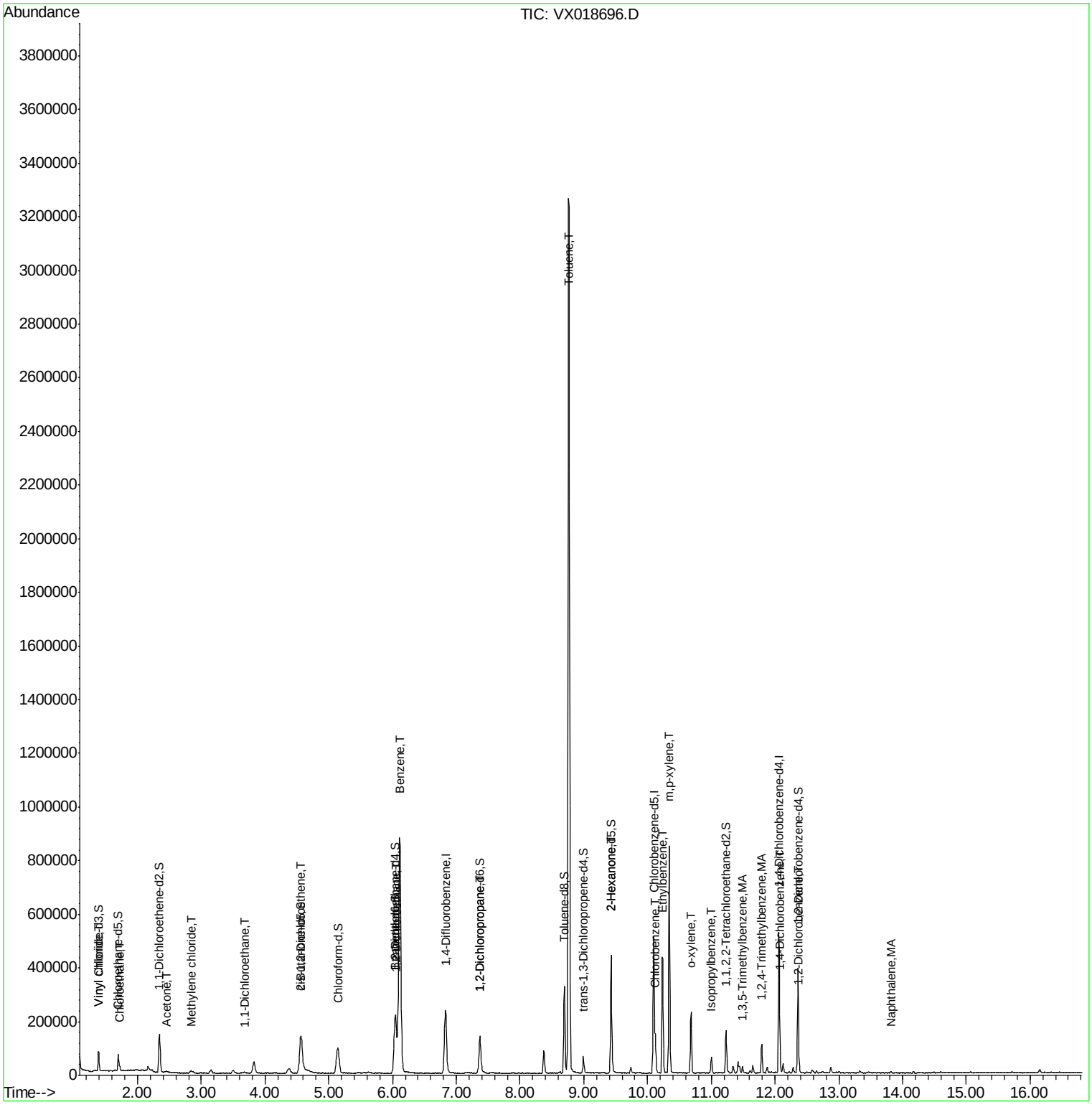
(#) = qualifier out of range (m) = manual integration (+) = signals summed

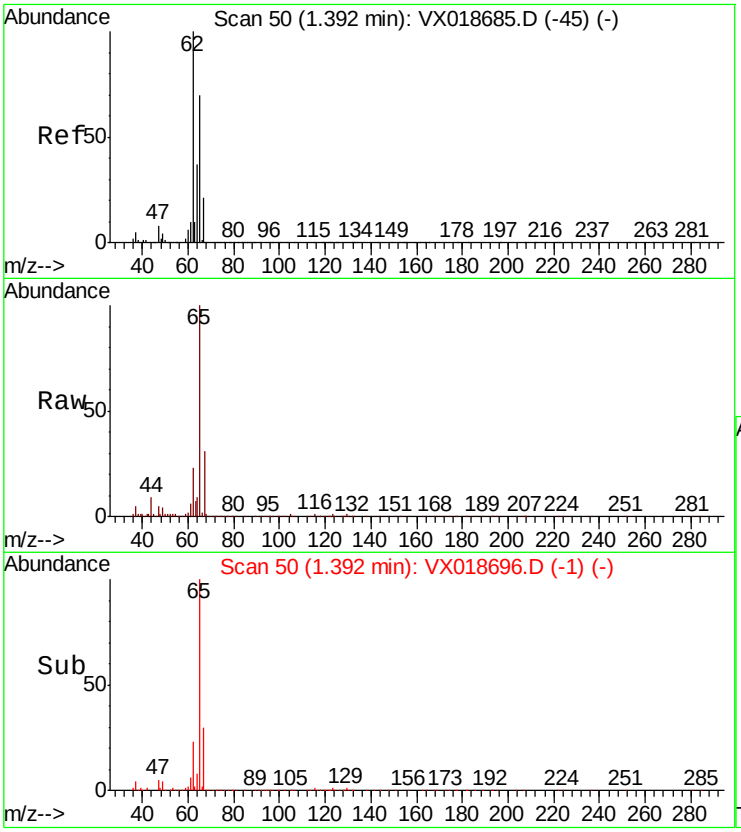
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\
Data File : VX018696.D
Acq On : 30 Sep 2020 13:46
Operator : JC/SP
Sample : L4135-17DL 100X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 57 Sample Multiplier: 1

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

Quant Time: Oct 01 01:08:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration



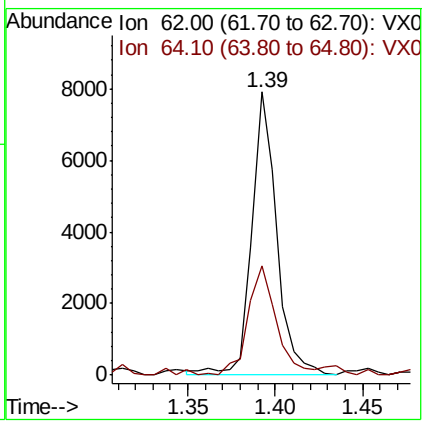


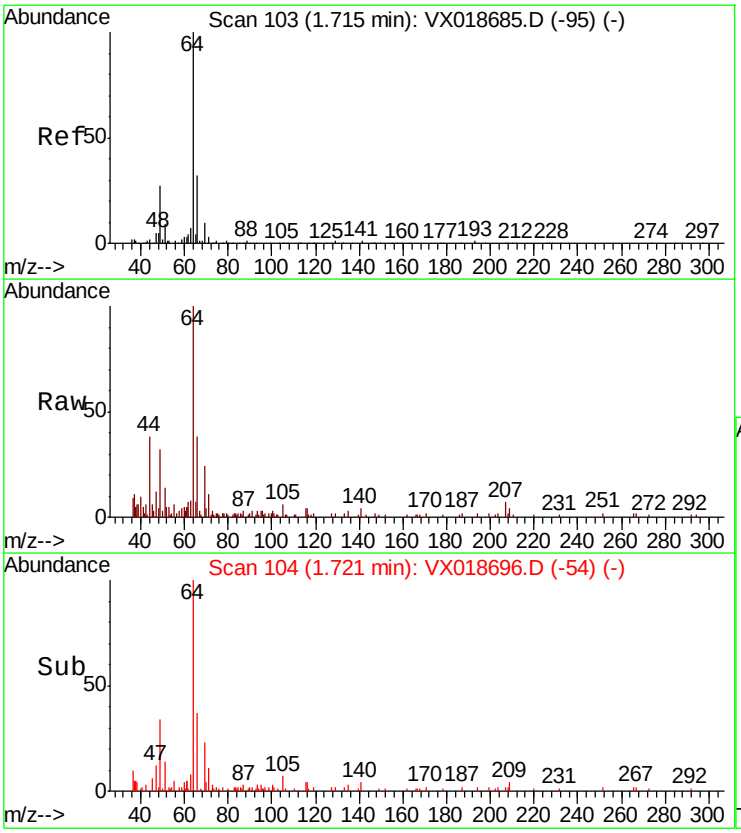

#5
Vinyl chloride
Concen: 0.631 ug/L
RT: 1.39 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion: 62 Resp: 7850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 38.6 | 23.6 | 43.8 |

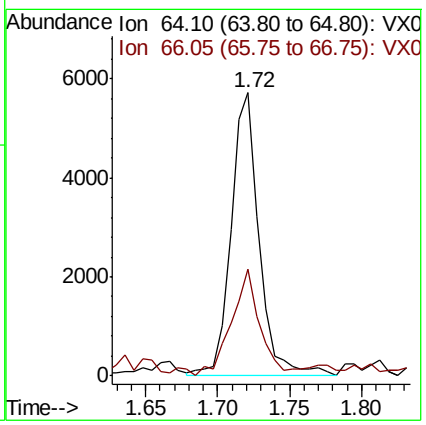


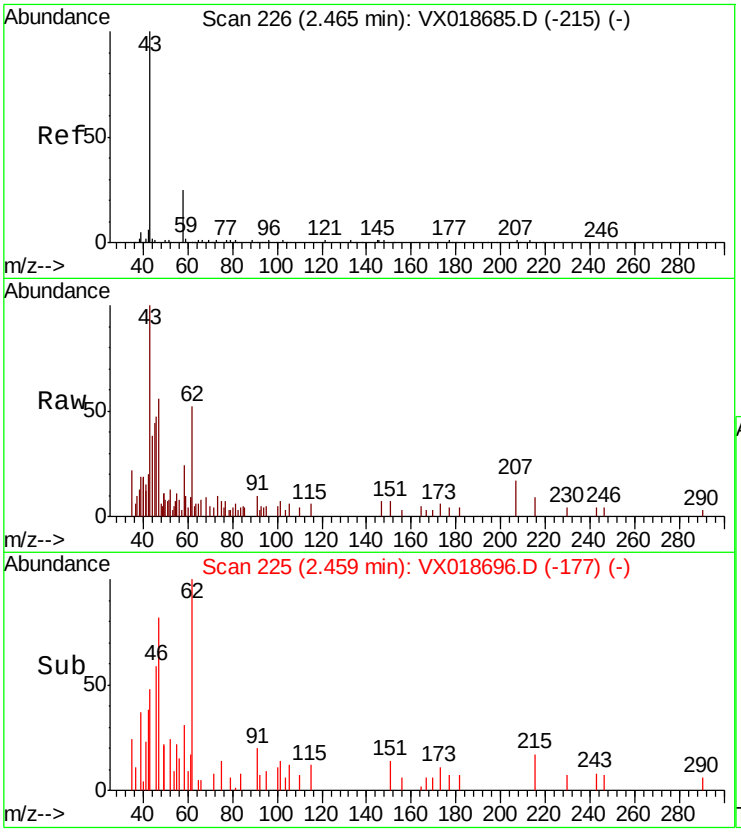




#8
Chloroethane
Concen: 1.141 ug/L
RT: 1.72 min Scan# 104
Delta R.T. 0.01 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion: 64 Resp: 7802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 37.7 | 22.3 | 41.3 |



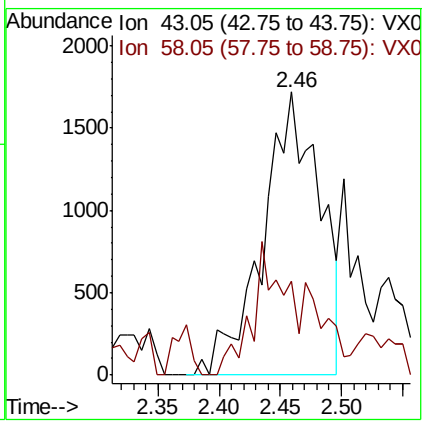


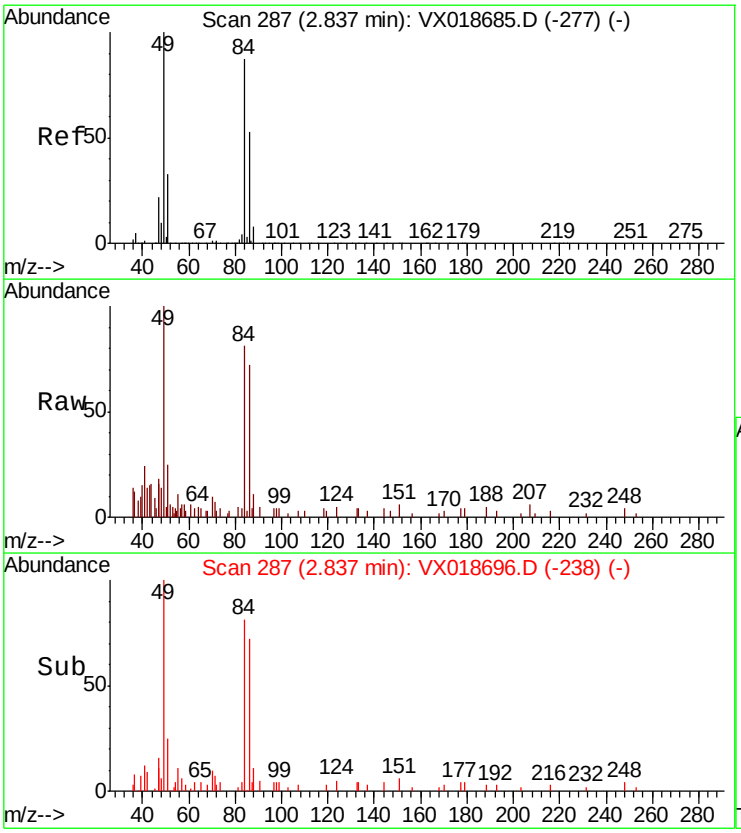

#13
Acetone
Concen: 3.273 ug/L
RT: 2.46 min Scan# 225
Delta R.T. -0.01 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion: 43 Resp: 5552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.4 | 0.0 | 61.6 |

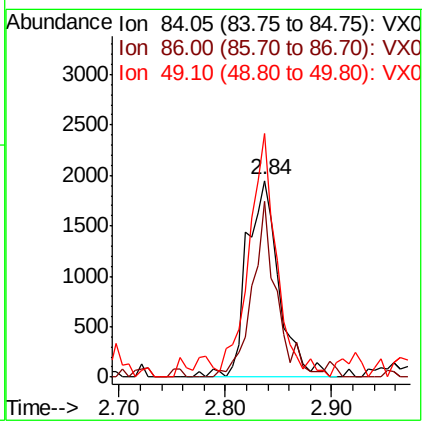


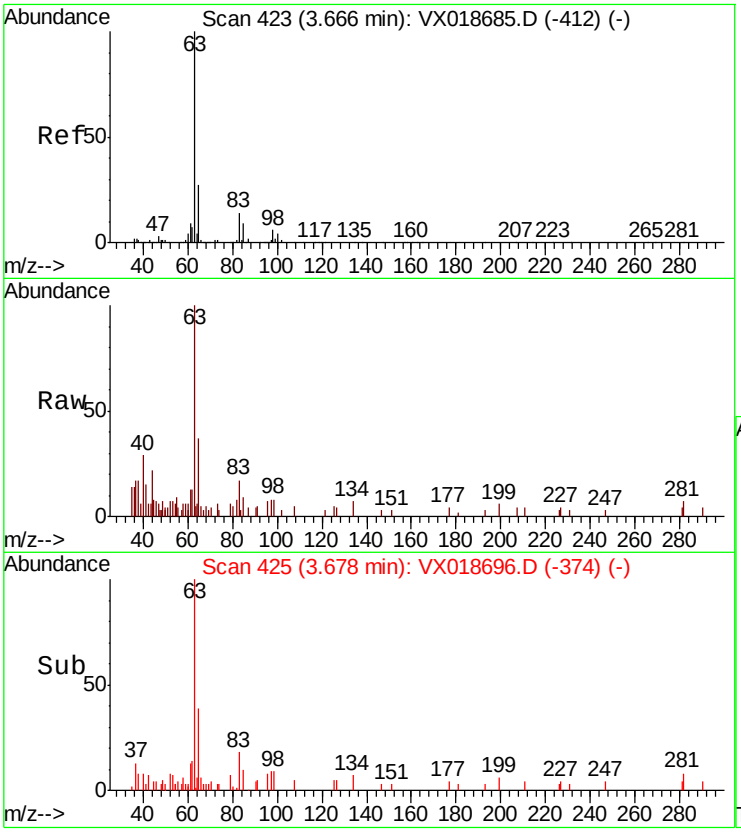




#16
Methylene chloride
Concen: 0.268 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion: 84 Resp: 4108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 89.2 | 41.9 | 77.7# |
| 49 | 123.8 | 80.8 | 150.2 |



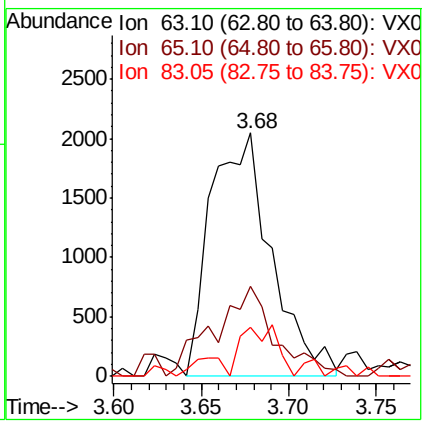


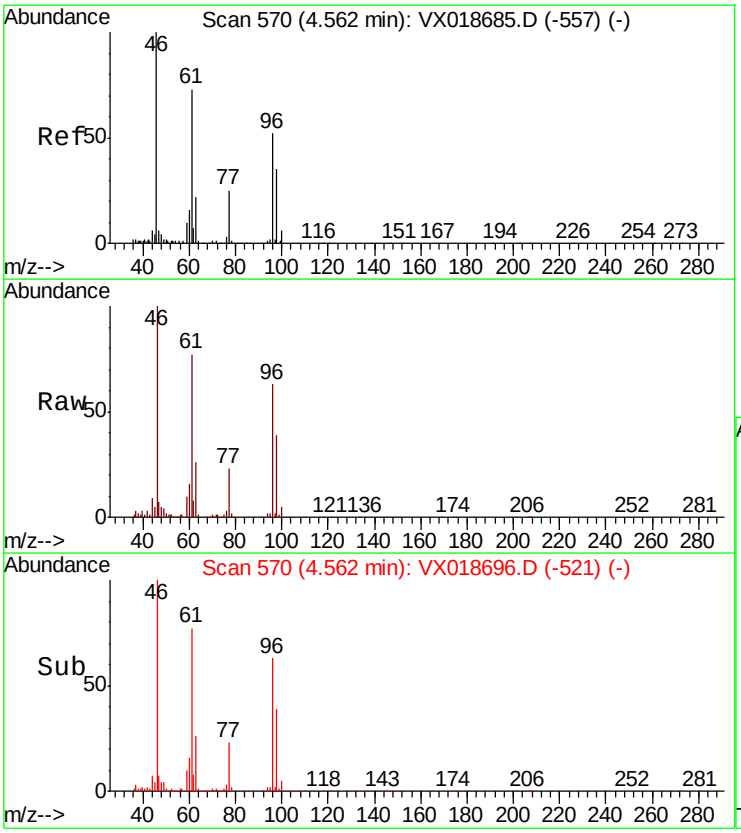

#19
1,1-Dichloroethane
Concen: 0.245 ug/L
RT: 3.68 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion: 63 Resp: 4935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 35.5 | 22.7 | 42.1 |
| 83 | 19.0 | 9.3 | 17.3# |

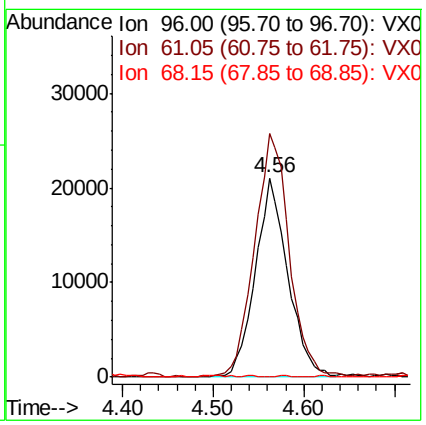


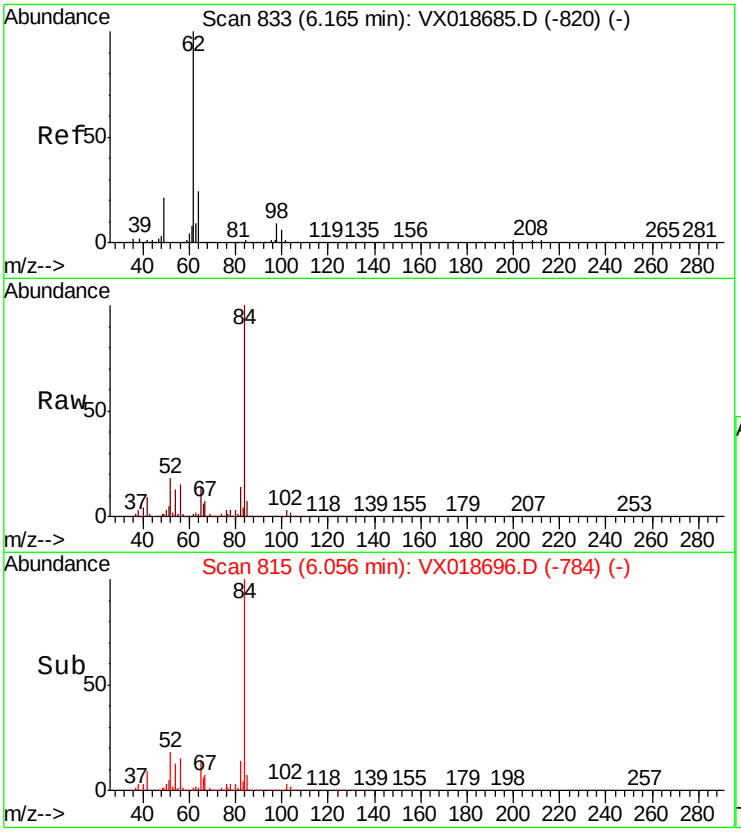




#22
cis-1,2-Dichloroethene
Concen: 4.480 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion: 96 Resp: 52402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 122.4 | 87.7 | 162.9 |
| 68 | 0.5 | 0.3 | 0.7 |



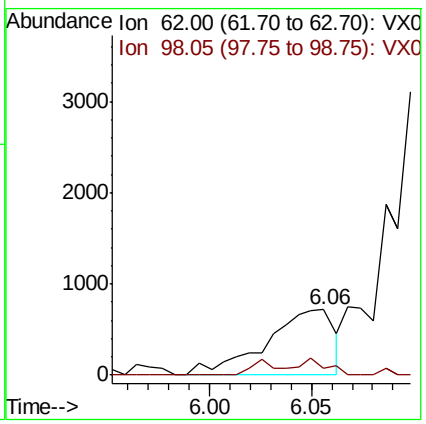


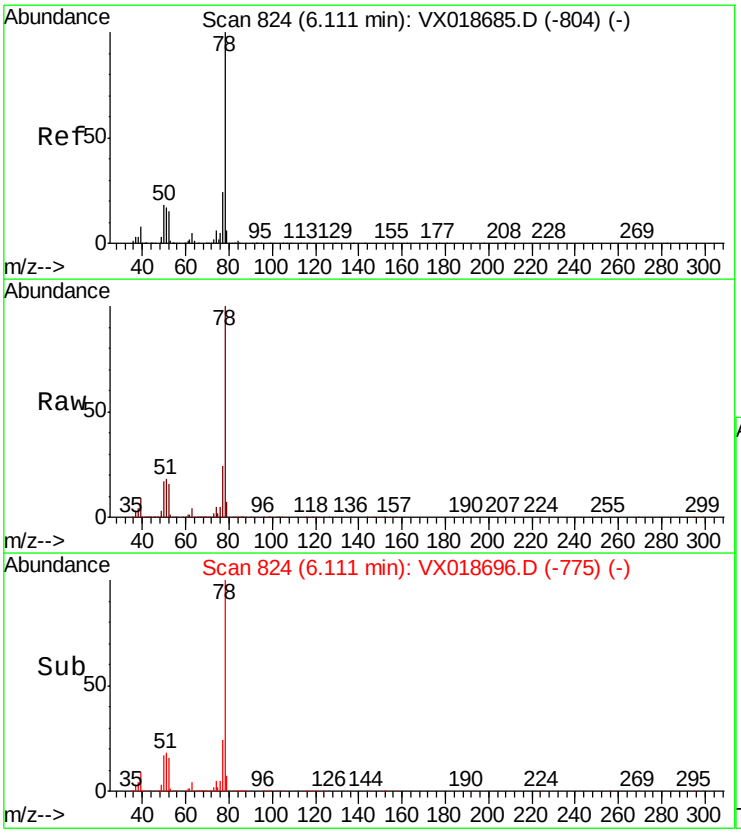

#27
1,2-Dichloroethane
Concen: 0.121 ug/L
RT: 6.06 min Scan# 815
Delta R.T. -0.11 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion: 62 Resp: 1680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.1 | 7.0 | 10.4 |

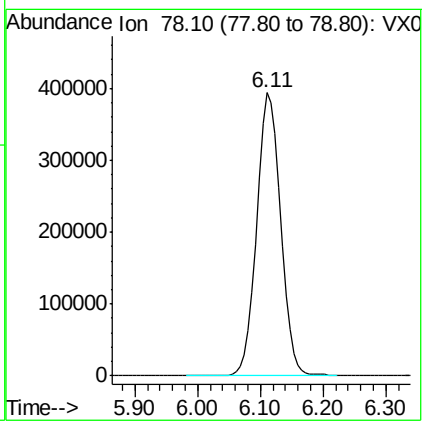
**Instrument :**
MSVOA_X
**ClientSampleId :**

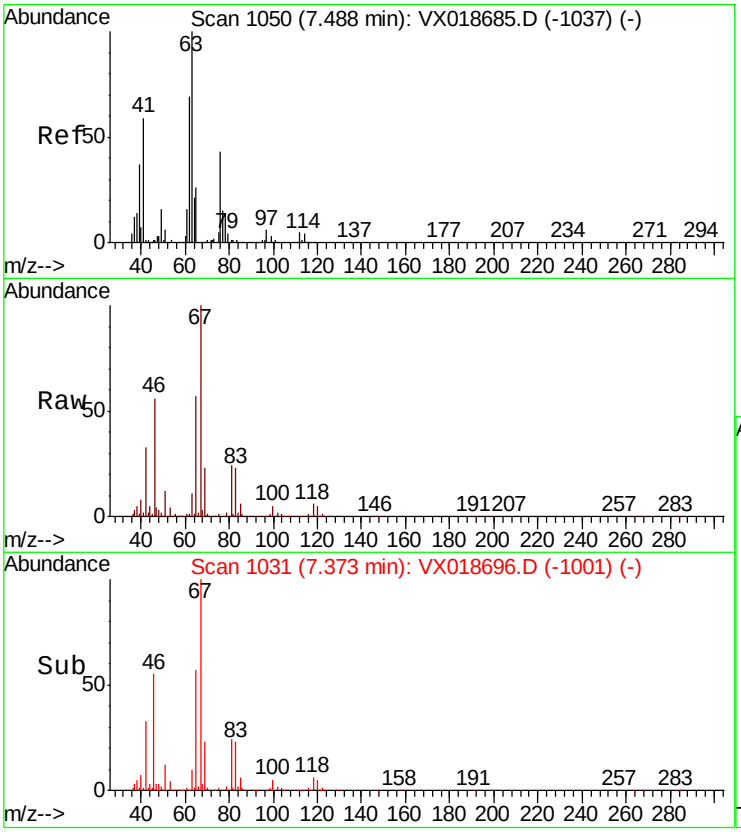



#33
Benzene
Concen: 24.662 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion: 78 Resp: 1041793



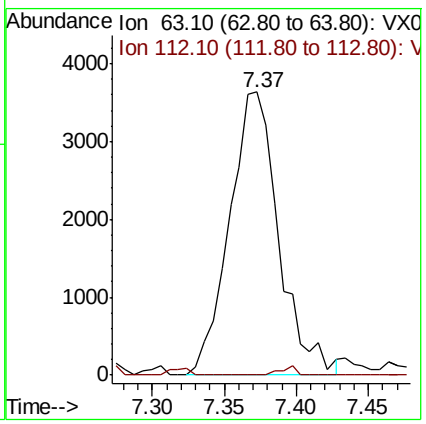


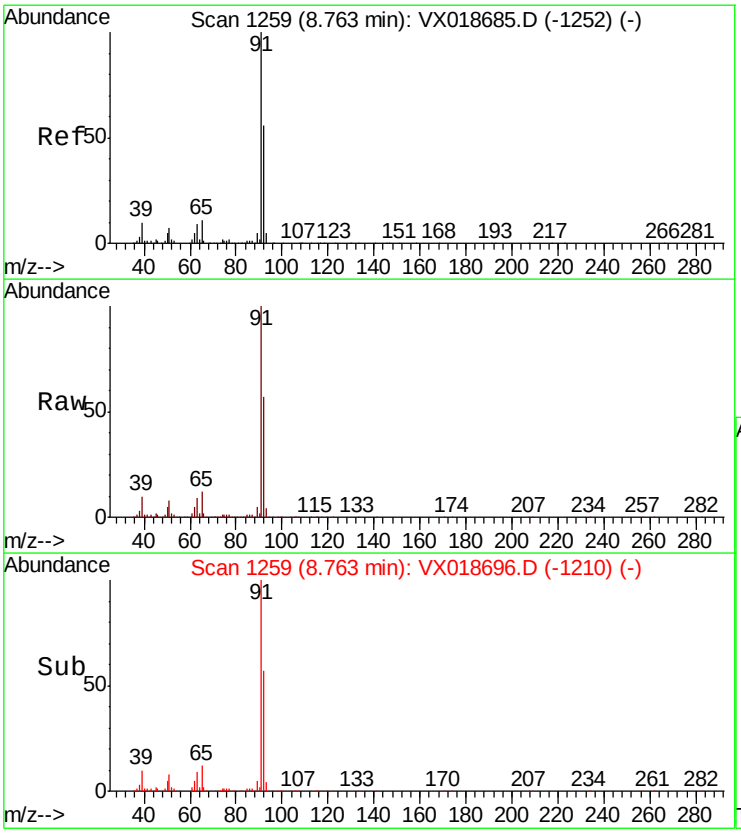

#37
1,2-Dichloropropane
Concen: 0.766 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion: 63 Resp: 8638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 1.0 | 4.1 | 6.1# |

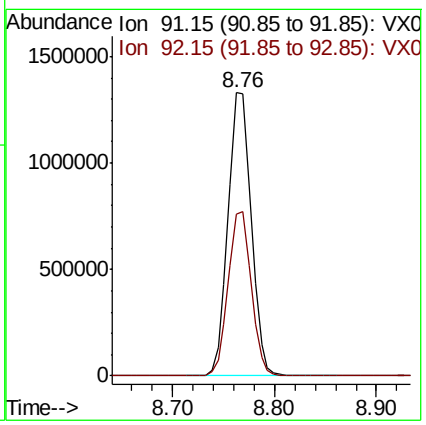


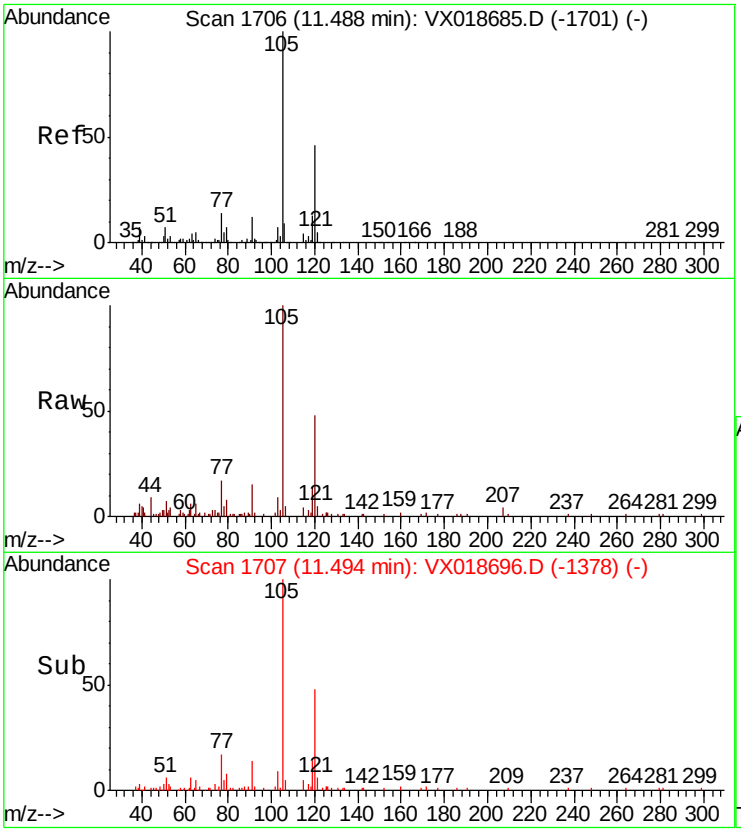




#42
Toluene
Concen: 45.729 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion: 91 Resp: 2086517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.3 | 41.1 | 76.3 |



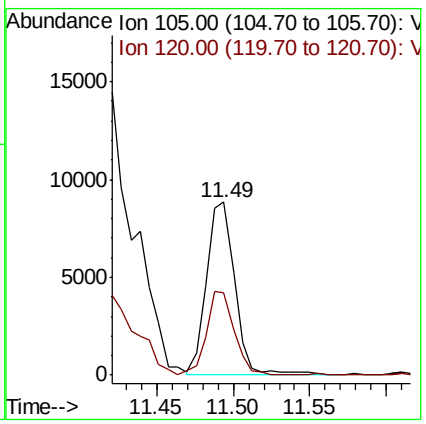


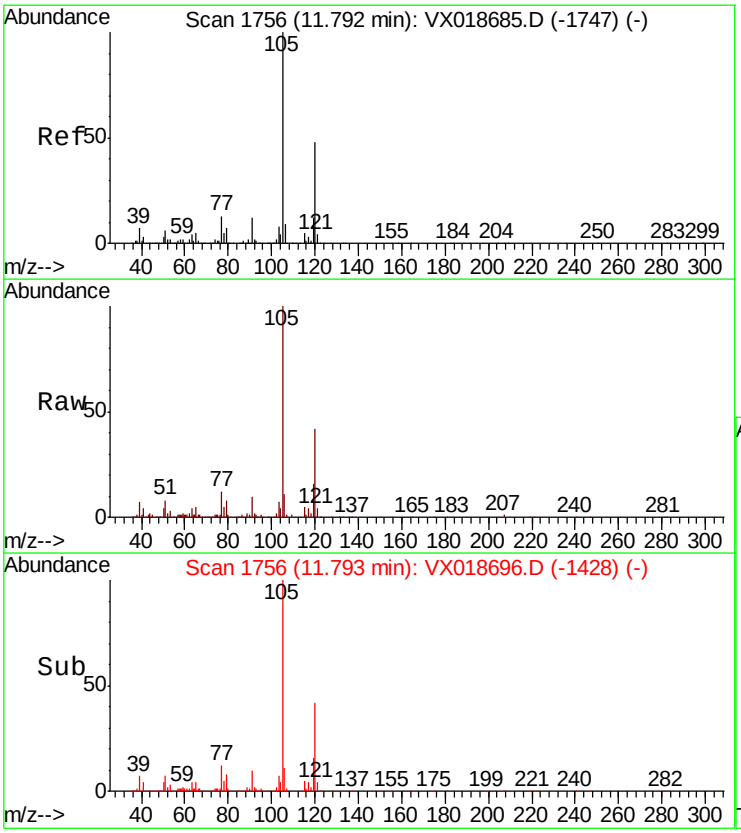

#43
1,3,5-Trimethylbenzene
Concen: 0.287 ug/L
RT: 11.49 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion:105 Resp: 11442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 37.2 | 55.8 |

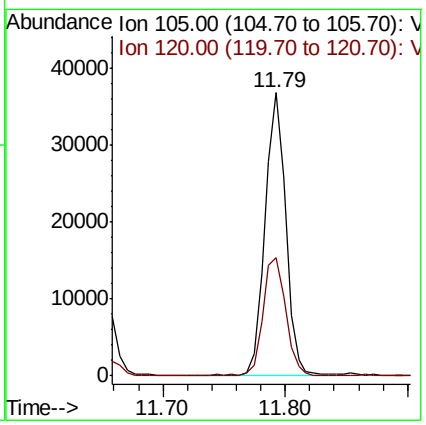


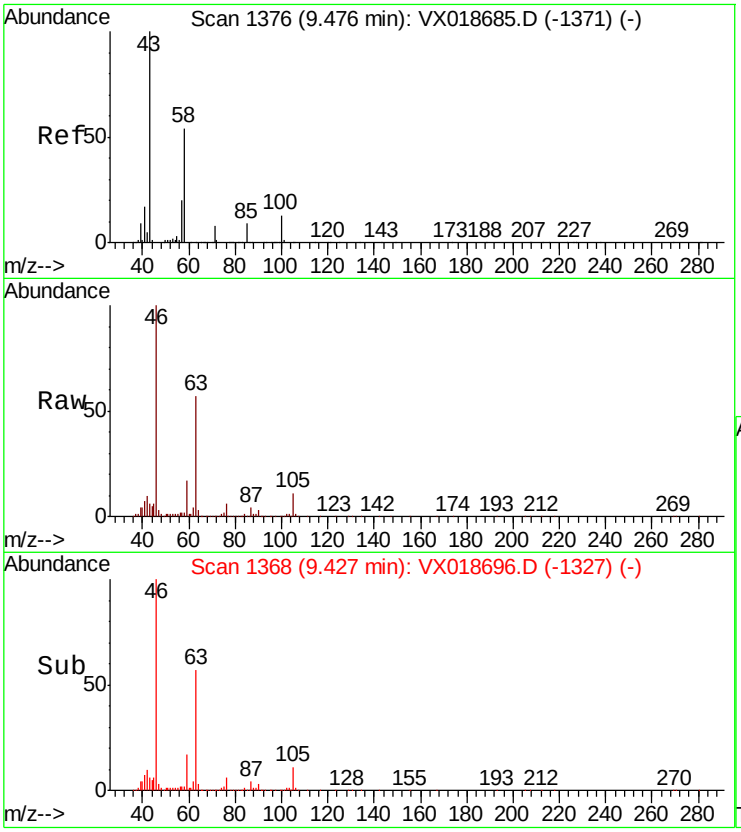




#44
1,2,4-Trimethylbenzene
Concen: 1.093 ug/L
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion:105 Resp: 43618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.7 | 36.8 | 55.2 |



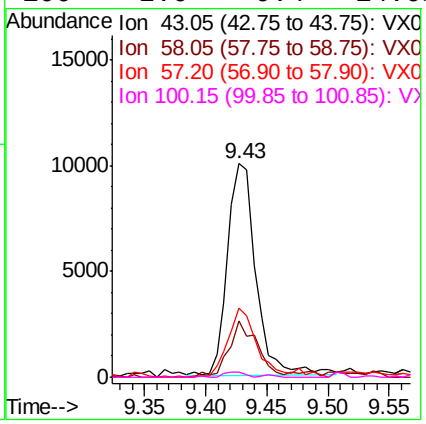


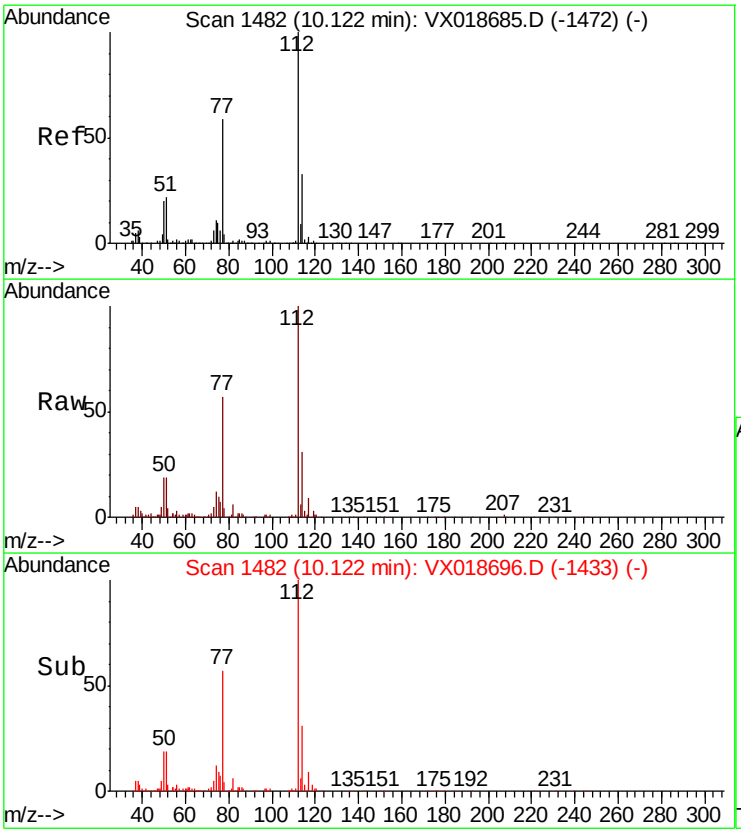

#50
2-Hexanone
Concen: 3.658 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.05 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion: 43 Resp: 16176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.1 | 42.5 | 63.7# |
| 57 | 33.4 | 15.9 | 23.9# |
| 100 | 2.0 | 9.4 | 14.0# |

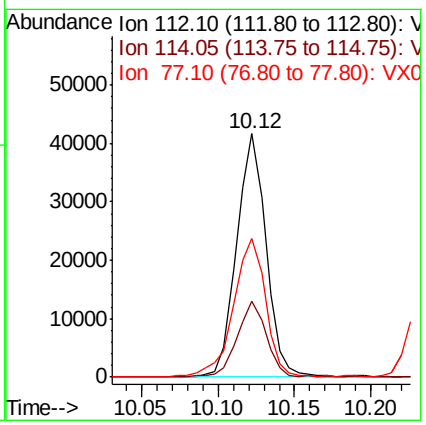


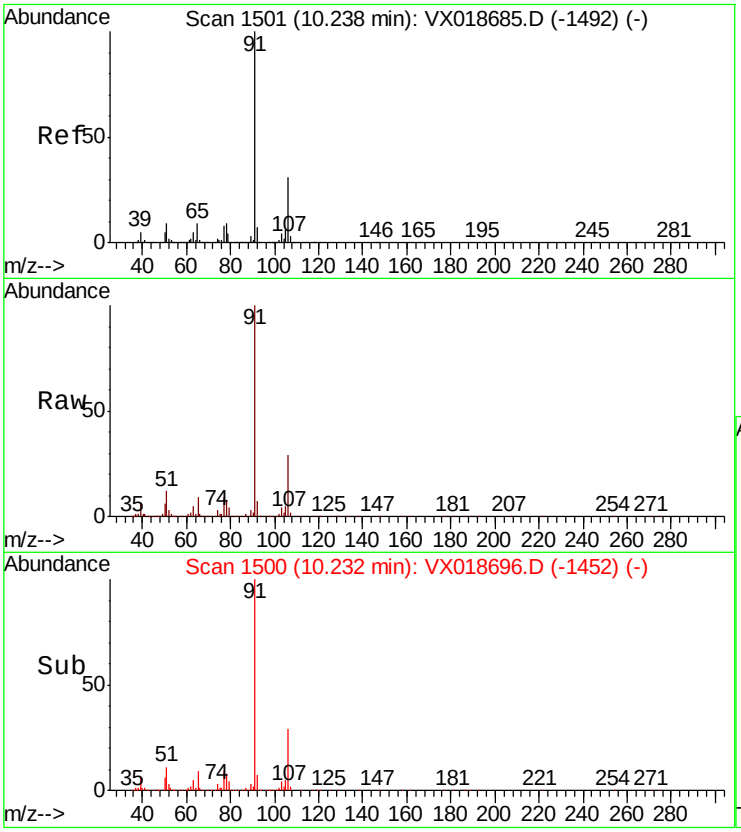




#53
Chlorobenzene
Concen: 1.843 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion:112 Resp: 55554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 20.6 | 38.4 |
| 77 | 57.1 | 46.6 | 69.8 |



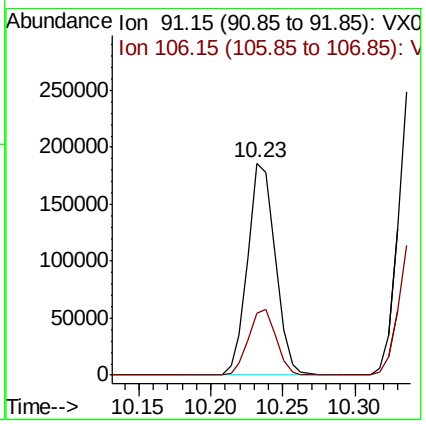


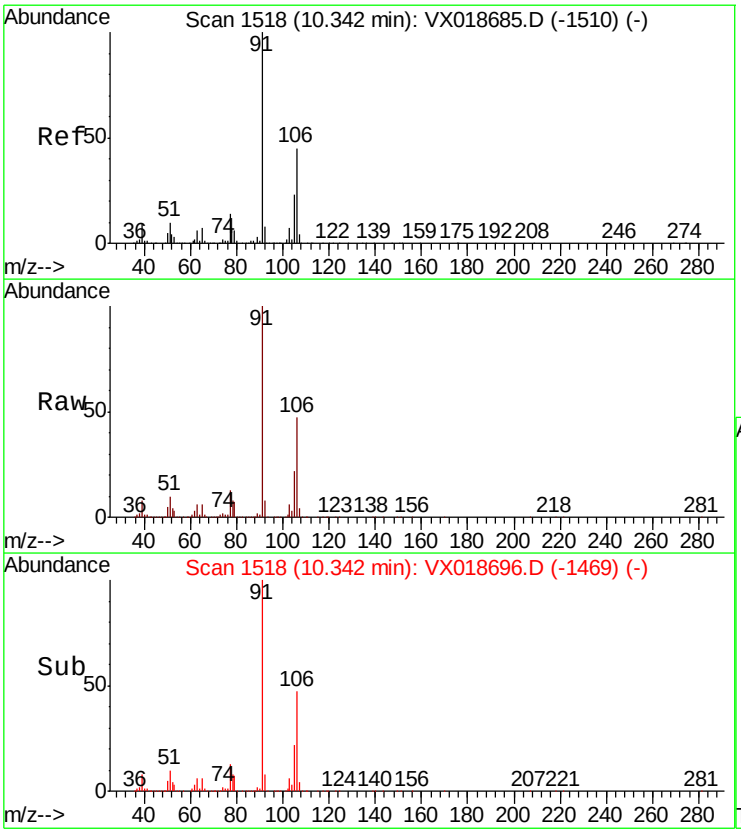

#54
Ethylbenzene
Concen: 4.967 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion: 91 Resp: 246855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.1 | 21.0 | 39.0 |

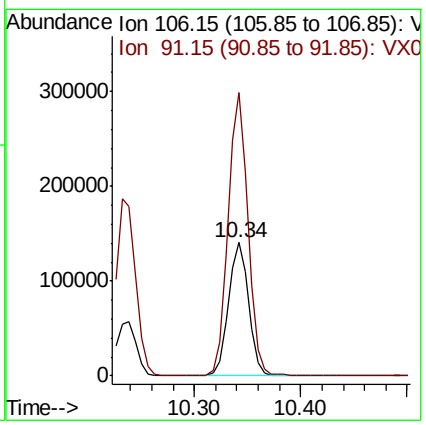


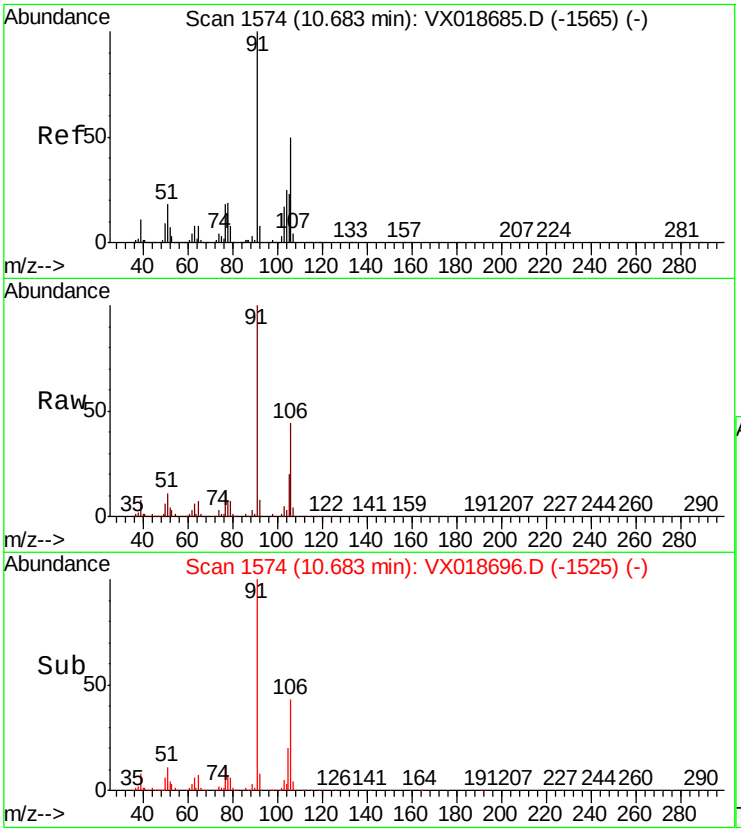




#55
m,p-xylene
Concen: 9.839 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion:106 Resp: 186972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.8 | 140.3 | 260.6 |



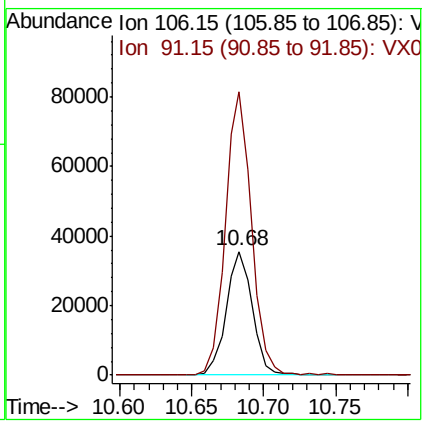


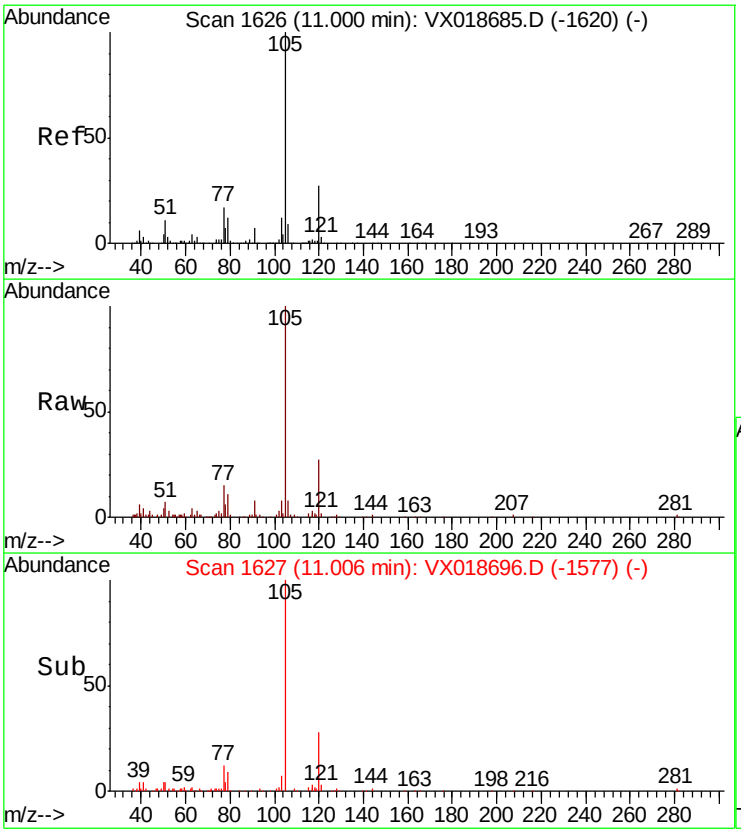

#56
o-xylene
Concen: 2.533 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion:106 Resp: 45482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 228.7 | 167.5 | 311.1 |

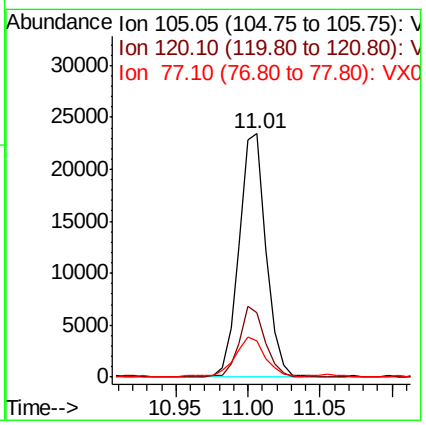


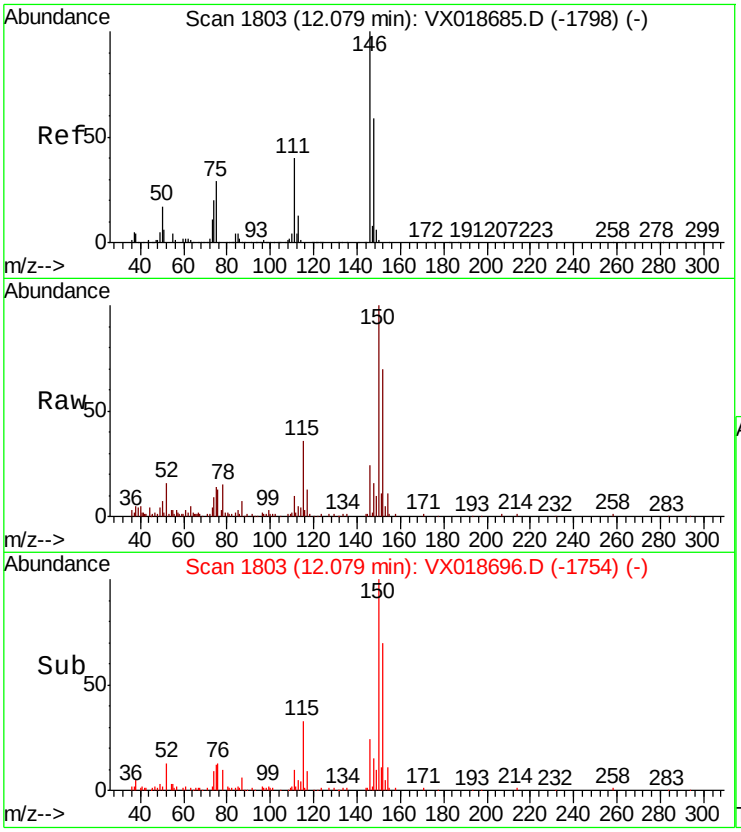




#58
Isopropylbenzene
Concen: 0.632 ug/L
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion:105 Resp: 30408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.9 | 21.2 | 31.8 |
| 77 | 18.6 | 13.3 | 19.9 |



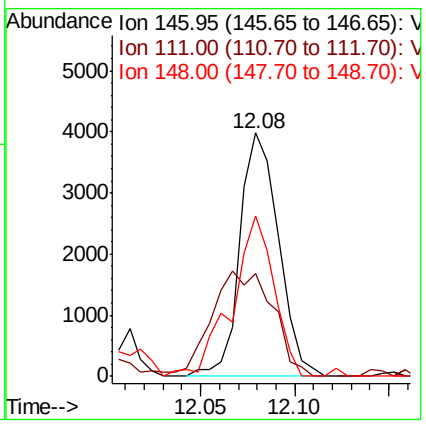


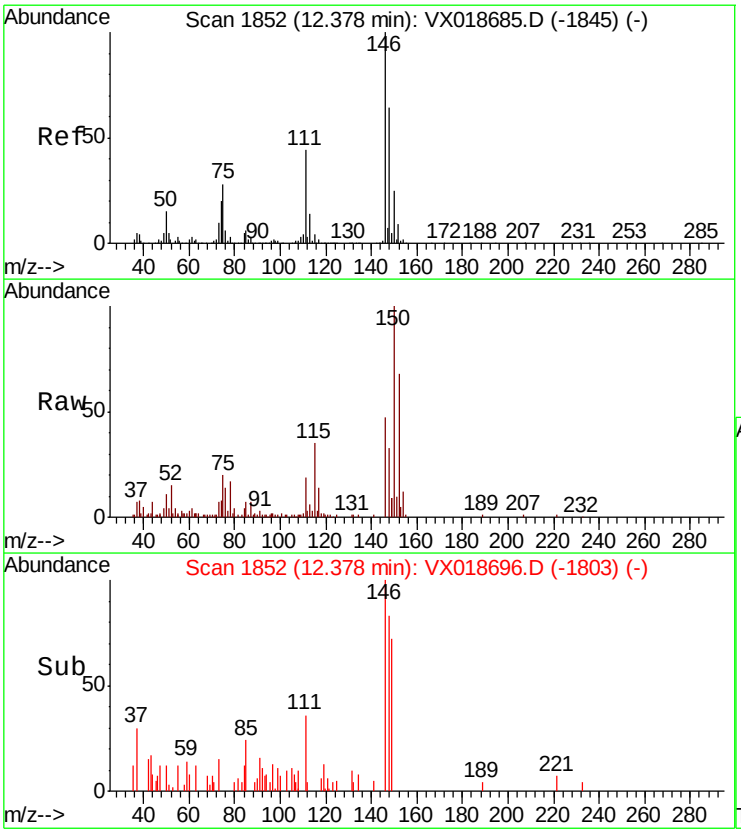

#64
1,4-Dichlorobenzene
Concen: 0.254 ug/L
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion:146 Resp: 5663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 28.8 | 53.4 |
| 148 | 66.0 | 44.9 | 83.3 |

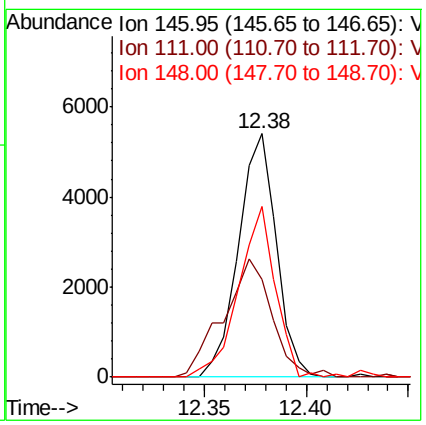


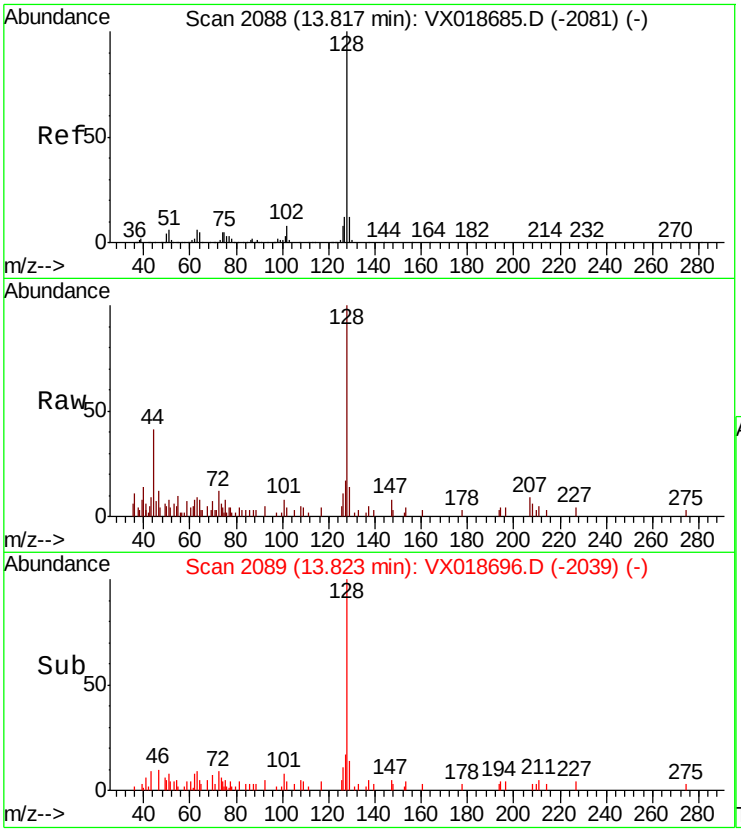




#66
1,2-Dichlorobenzene
Concen: 0.340 ug/L
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

Tgt Ion:146 Resp: 6984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 33.6 | 50.4 |
| 148 | 70.3 | 53.4 | 80.2 |






#70
Naphthalene
Concen: 0.143 ug/L
RT: 13.82 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VX018696.D
Acq: 30 Sep 2020 13:46

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

Tgt Ion:128 Resp: 3290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 20.6 | 8.8 | 13.2# |
| 127 | 18.5 | 10.7 | 16.1# |