Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :**

Quant Time: May 30 00:05:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.28 | 114 | 302816 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.44 | 117 | 304435 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152 | 156863 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 95219 | 3.44 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 68.80% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 89103 | 3.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 74.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 146319 | 3.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 63.20% | | | |
| 20) 2-Butanone-d5 | 4.67 | 46 | 254660 | 37.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 74.52% | | | |
| 24) Chloroform-d | 5.10 | 84 | 197293 | 4.69 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 113198 | 4.70 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.00% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 407793 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.72 | 67 | 129908 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 88.20% | | | |
| 41) Toluene-d8 | 7.92 | 98 | 375994 | 4.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.20 | 79 | 50606 | 4.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 85.80% | | | |
| 46) 2-Hexanone-d5 | 8.65 | 63 | 278164 | 49.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 99.88% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84 | 114778 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 98.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.20 | 152 | 151727 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 99.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Chloroethane | 1.95 | 64 | 40938 | 2.035 | ug/L # | 77 |
| 13) Acetone | 2.68 | 43 | 15091 | 3.520 | ug/L | 82 |
| 15) Methyl Acetate | 3.08 | 43 | 13347 | 1.113 | ug/L # | 57 |
| 17) Methyl tert-butyl Ether | 3.40 | 73 | 32735 | 0.561 | ug/L # | 1 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 4677 | 0.204 | ug/L | 91 |
| 19) 1,1-Dichloroethane | 3.91 | 63 | 5959 | 0.133 | ug/L # | 90 |
| 30) Cyclohexane | 5.42 | 56 | 108535 | 2.635 | ug/L | 99 |
| 33) Benzene | 5.81 | 78 | 221652 | 2.274 | ug/L | 100 |
| 35) Methylcyclohexane | 6.79 | 83 | 58936 | 1.492 | ug/L | 89 |
| 38) Bromodichloromethane | 7.19 | 83 | 6919 | 0.226 | ug/L # | 32 |
| 42) Toluene | 7.99 | 91 | 33748 | 0.328 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 8.39 | 97 | 4056 | 0.221 | ug/L # | 22 |
| 48) 2-Hexanone | 8.71 | 43 | 38591 | 2.871 | ug/L # | 78 |
| 51) Chlorobenzene | 9.47 | 112 | 4798234 | 75.129 | ug/L | 98 |
| 52) Ethylbenzene | 9.59 | 91 | 10854 | 0.097 | ug/L | 94 |
| 53) m,p-Xylene | 9.71 | 106 | 3692 | 0.086 | ug/L | 77 |
| 54) o-Xylene | 10.12 | 106 | 20873 | 0.505 | ug/L | 93 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :**

Quant Time: May 30 00:05:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 55) Styrene | 10.13 | 104 | 5071 | 0.073 | ug/L | # | 50 |
| 56) Isopropylbenzene | 10.50 | 105 | 7142649 | 67.281 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.81 | 83 | 5618 | 0.241 | ug/L | # | 28 |
| 59) 1,2,3-Trichloropropane | 10.50 | 75 | 82653 | 4.651 | ug/L | # | 1 |
| 62) 1,3-Dichlorobenzene | 11.76 | 146 | 27916 | 0.547 | ug/L | | 97 |
| 63) 1,4-Dichlorobenzene | 11.85 | 146 | 278242 | 5.380 | ug/L | | 99 |
| 65) 1,2-Dichlorobenzene | 12.22 | 146 | 199191 | 4.057 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 13.04 | 75 | 674 | 0.168 | ug/L | # | 8 |

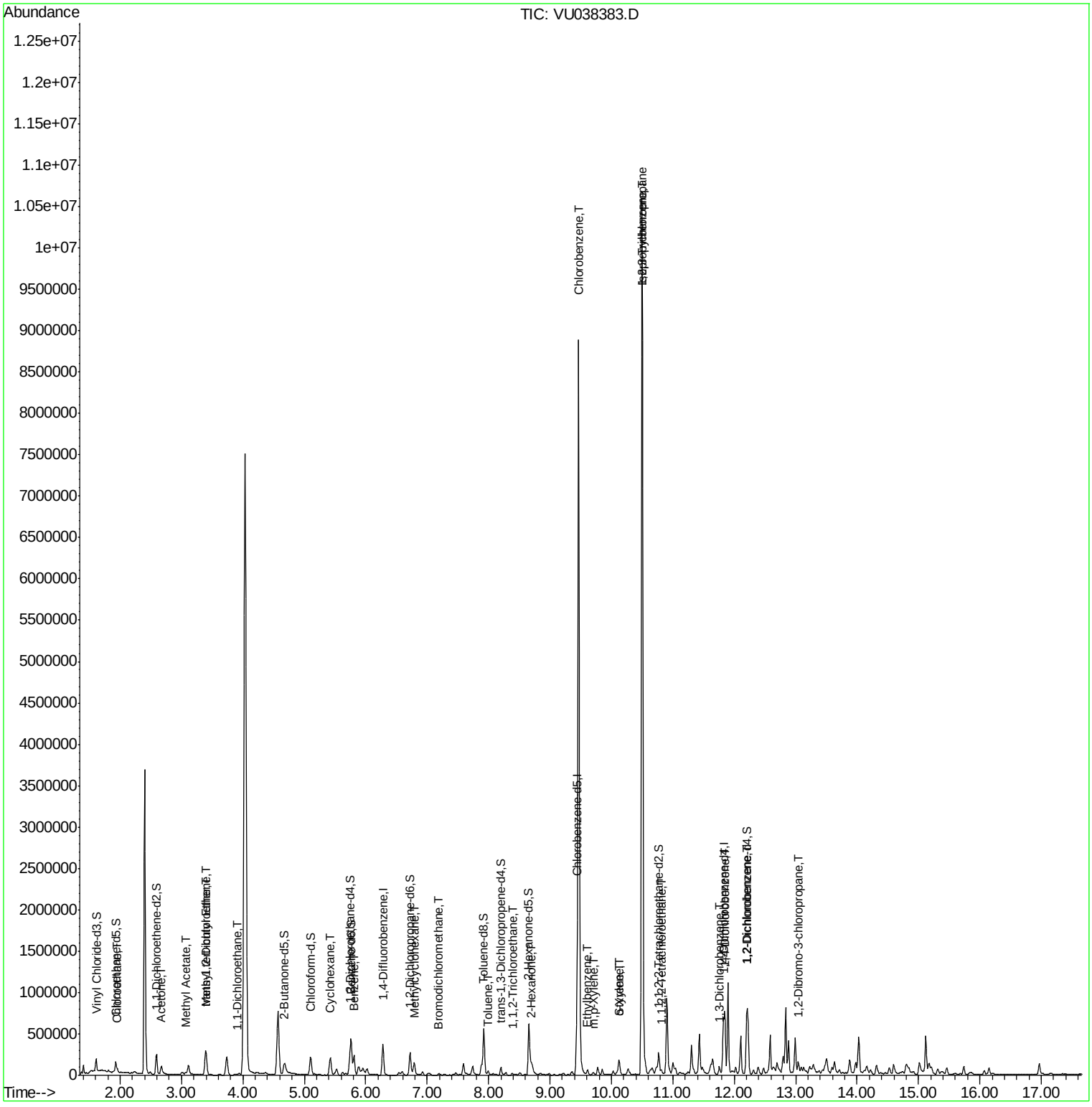
(#) = qualifier out of range (m) = manual integration (+) = signals summed

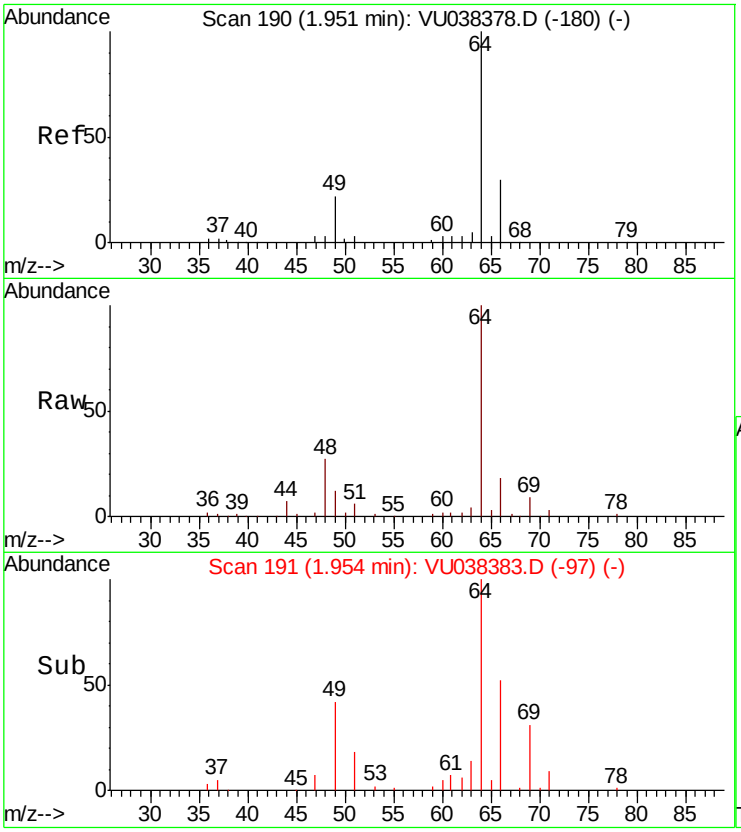
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038383.D
Acq On : 29 May 2020 18:05
Operator : JC/MD
Sample : L2749-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**

Quant Time: May 30 00:05:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration



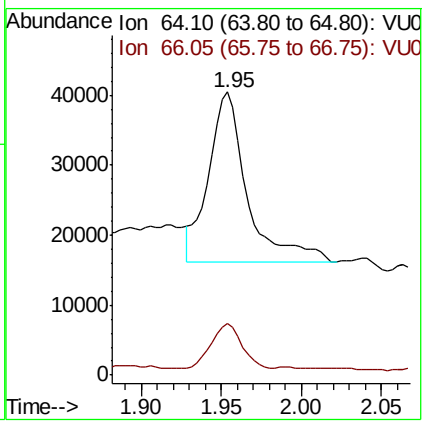


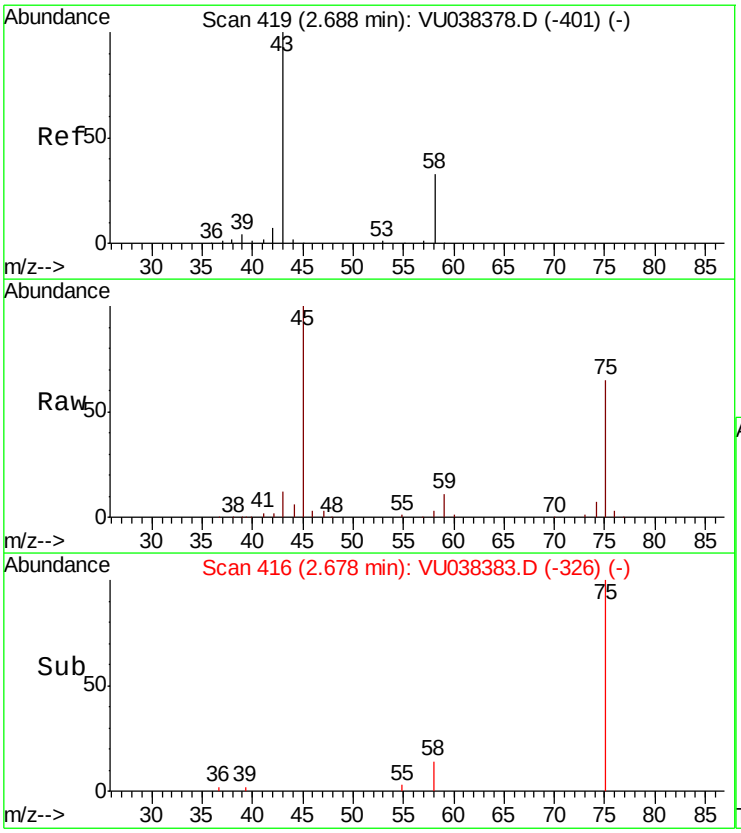

#8
Chloroethane
Concen: 2.035 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 64 Resp: 40938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 18.3 | 21.8 | 40.4# |

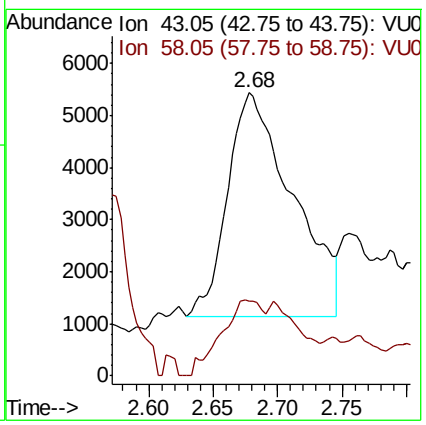


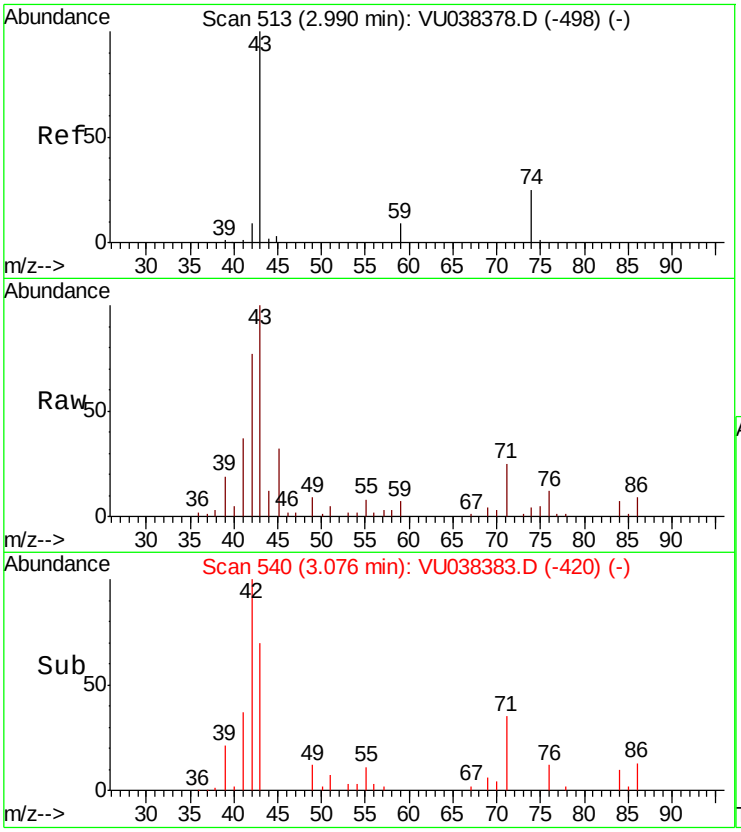




#13
Acetone
Concen: 3.520 ug/L
RT: 2.68 min Scan# 416
Delta R.T. -0.01 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 43 Resp: 15091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.9 | 0.0 | 63.6 |



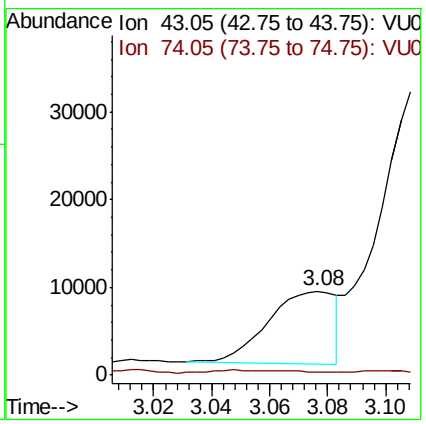


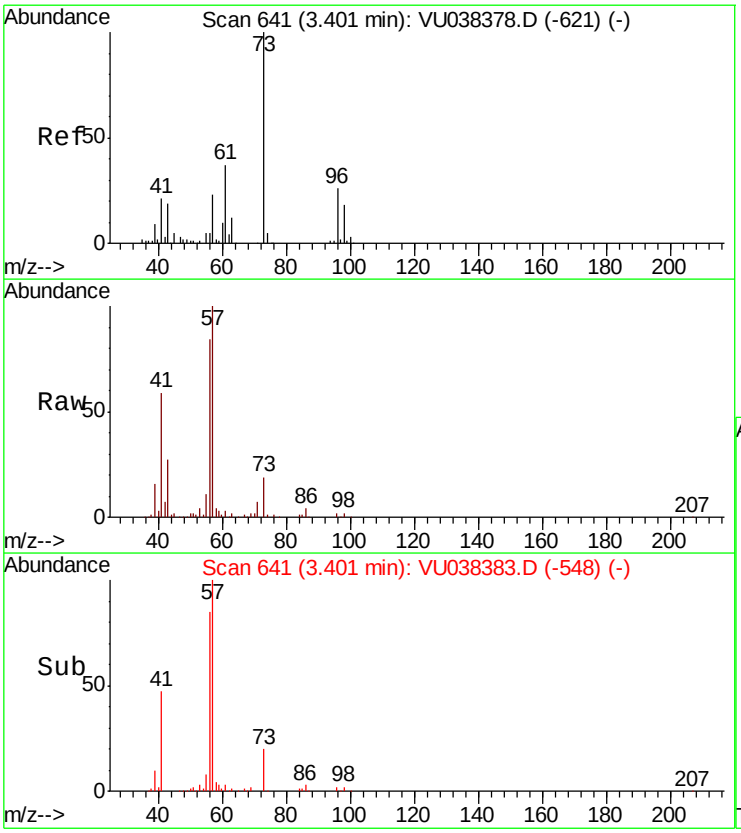

#15
Methyl Acetate
Concen: 1.113 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.09 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 43 Resp: 13347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 1.6 | 18.0 | 27.0# |

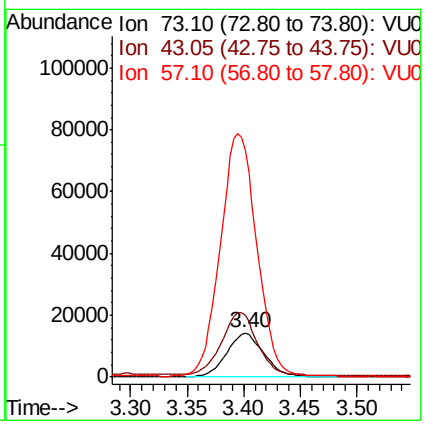


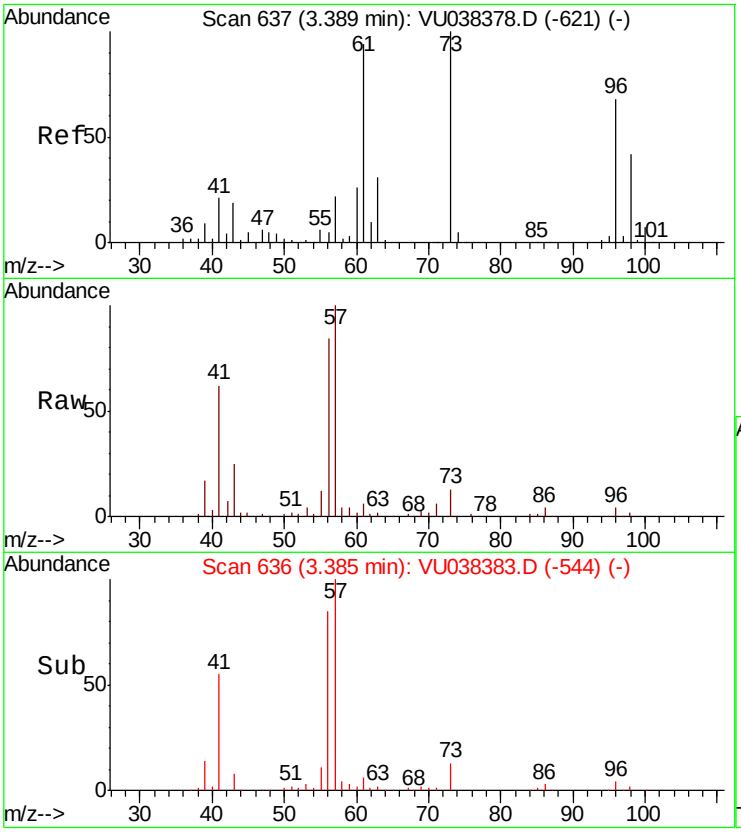




#17
Methyl tert-butyl Ether
Concen: 0.561 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 73 Resp: 32735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 139.6 | 16.9 | 25.3# |
| 57 | 537.4 | 18.2 | 27.2# |



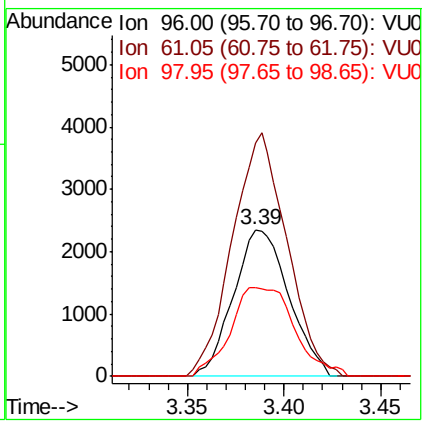


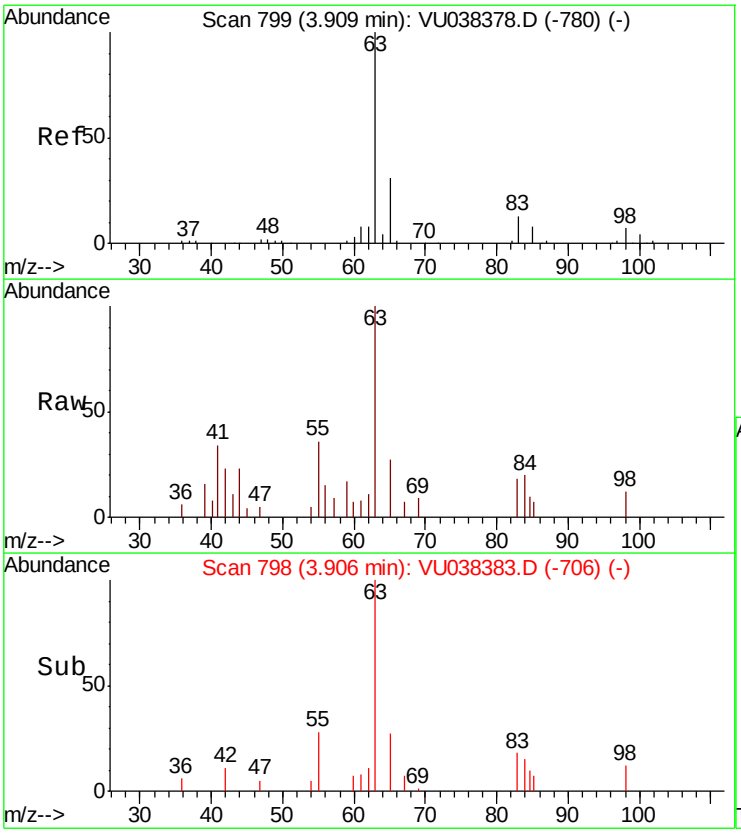

#18
trans-1,2-Dichloroethene
Concen: 0.204 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 96 Resp: 4677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.0 | 102.1 | 189.5 |
| 98 | 60.8 | 45.6 | 84.8 |

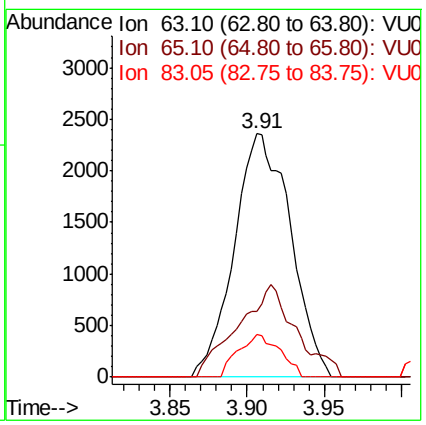


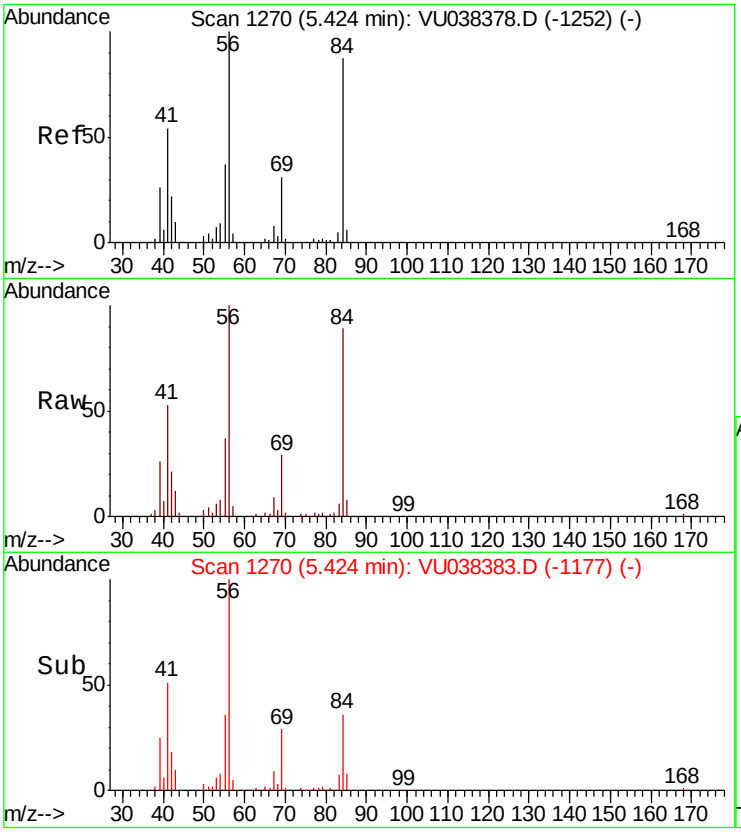




#19
1,1-Dichloroethane
Concen: 0.133 ug/L
RT: 3.91 min Scan# 798
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 63 Resp: 5959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 27.1 | 22.5 | 41.7 |
| 83 | 17.7 | 8.9 | 16.5# |



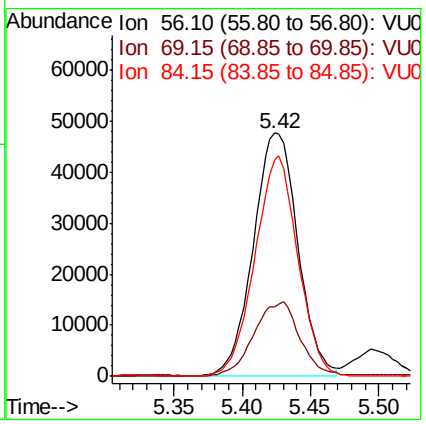


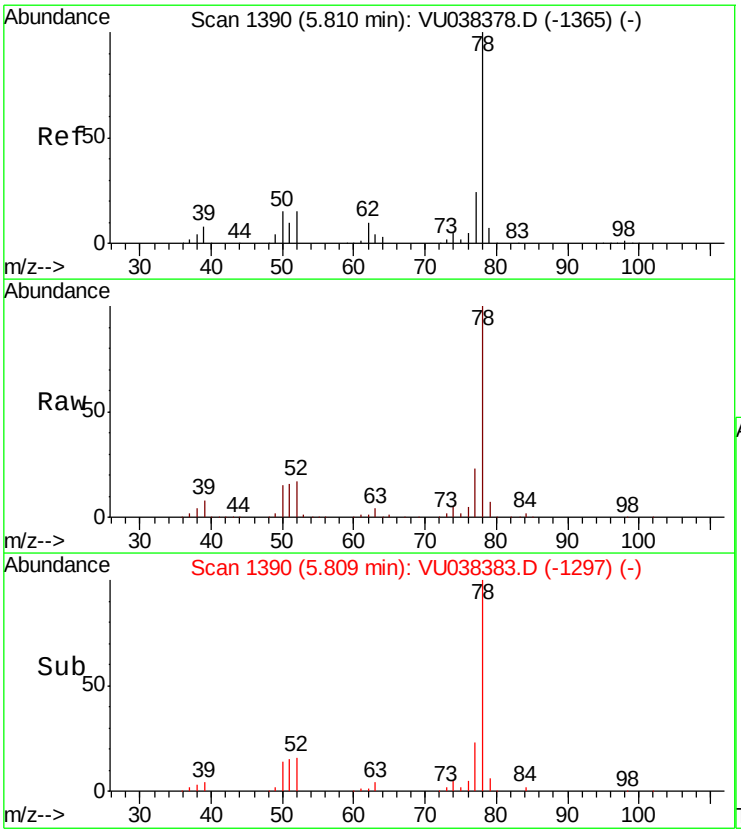

#30
Cyclohexane
Concen: 2.635 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 56 Resp: 108535

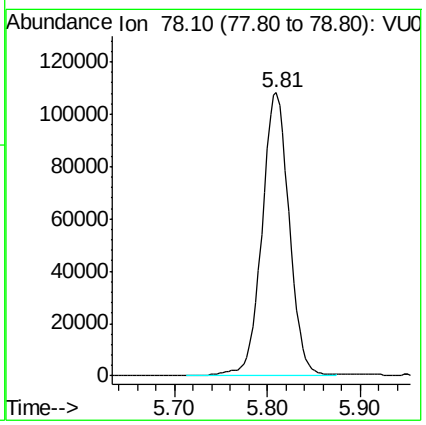
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.6 | 24.2 | 36.4 |
| 84 | 86.0 | 68.5 | 102.7 |

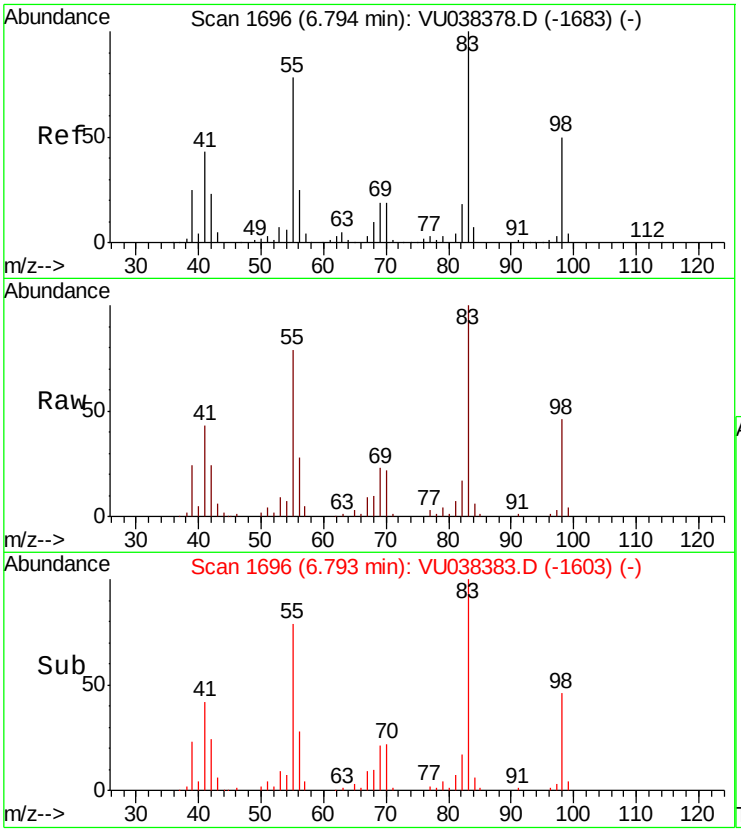



#33
Benzene
Concen: 2.274 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 78 Resp: 221652



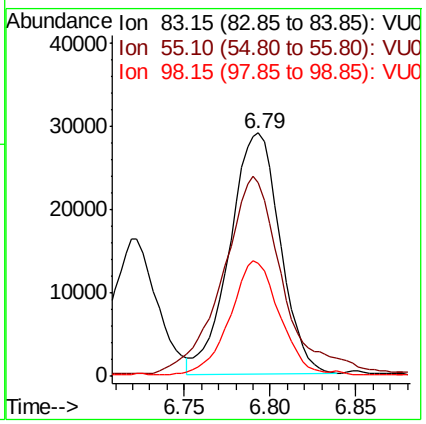


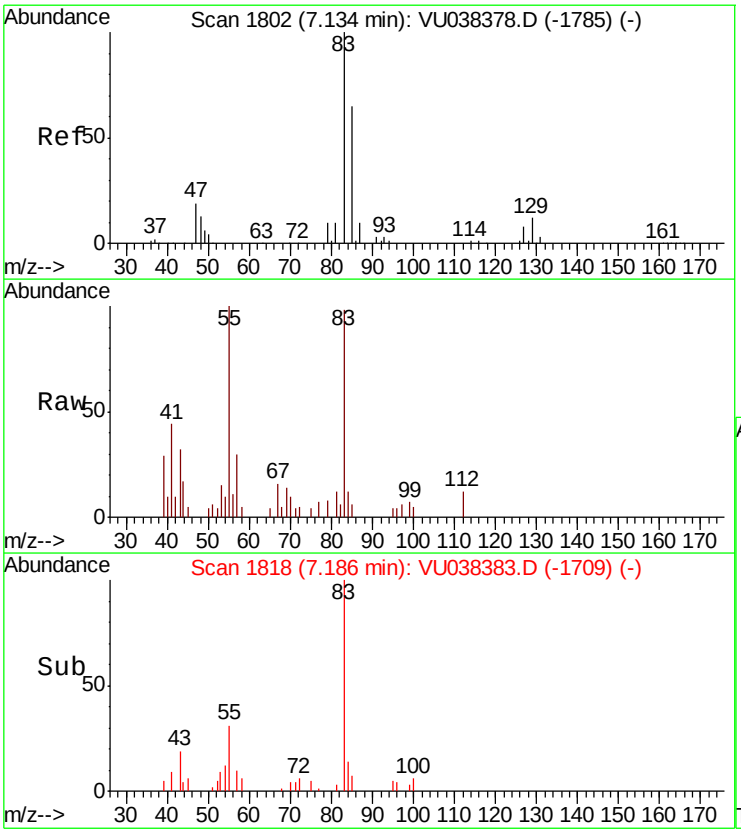

#35
Methylcyclohexane
Concen: 1.492 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 83 Resp: 58936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 97.1 | 66.7 | 100.1 |
| 98 | 46.0 | 39.4 | 59.2 |

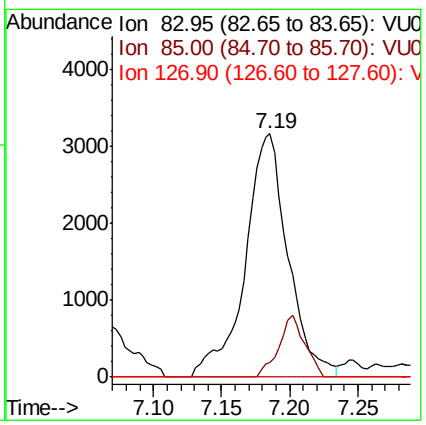


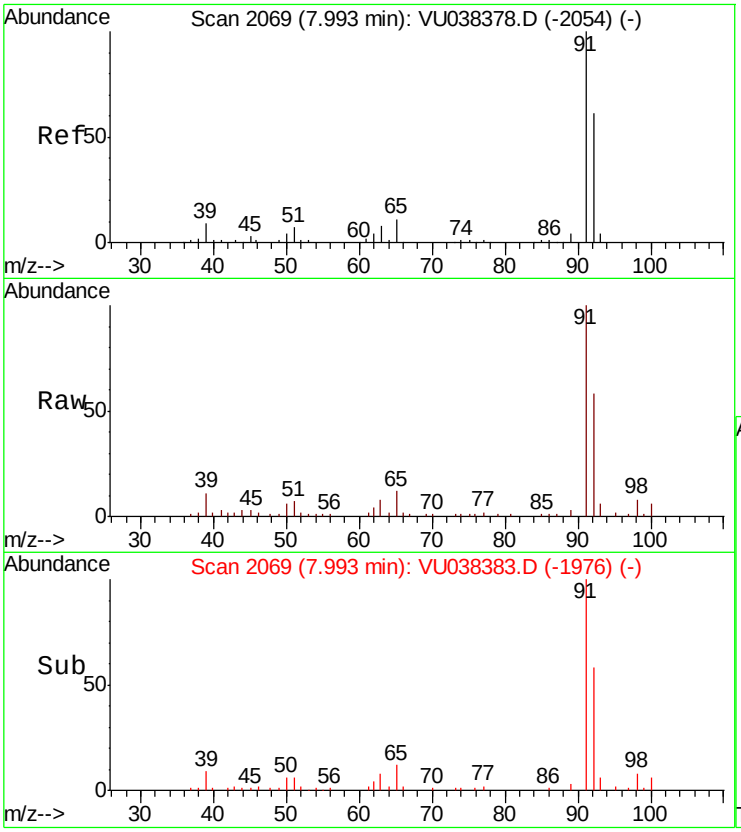




#38
Bromodichloromethane
Concen: 0.226 ug/L
RT: 7.19 min Scan# 1818
Delta R.T. 0.05 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 83 Resp: 6919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 5.8 | 44.6 | 82.8# |
| 127 | 0.0 | 6.4 | 9.6# |



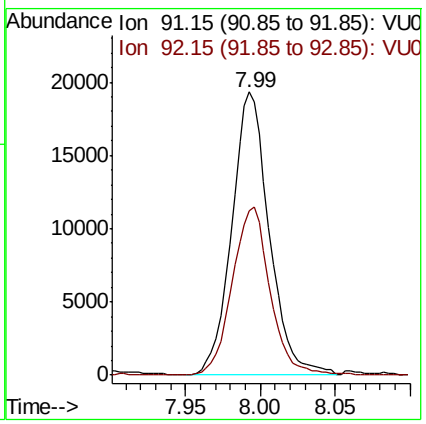


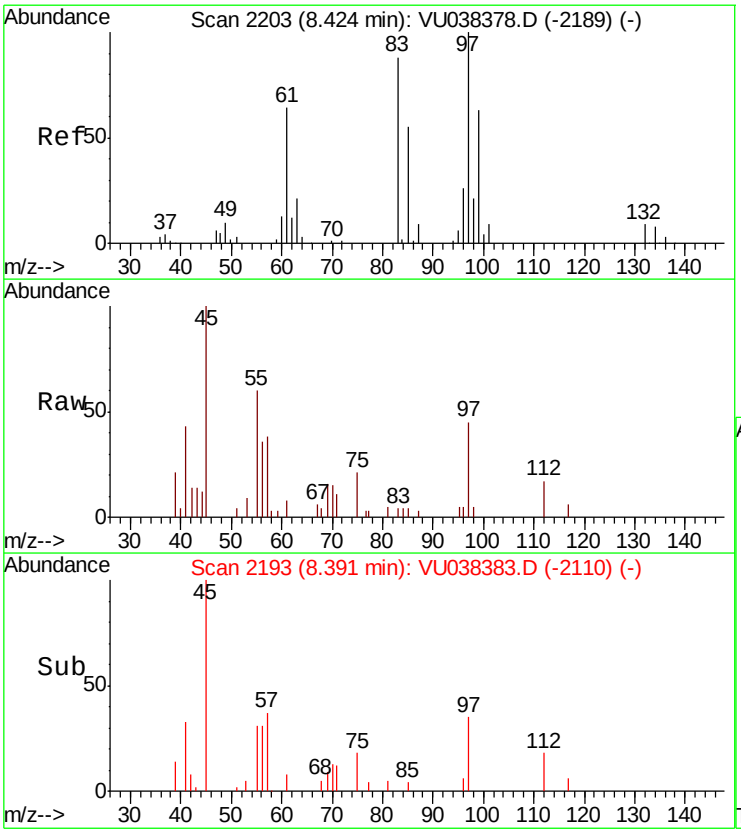

#42
Toluene
Concen: 0.328 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :** MSVOA_U
**ClientSampleId :**

Tgt Ion: 91 Resp: 33748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.2 | 40.9 | 75.9 |

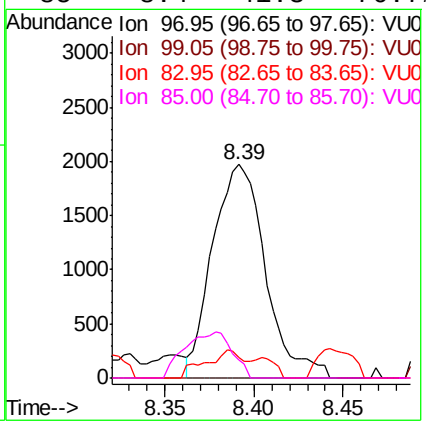


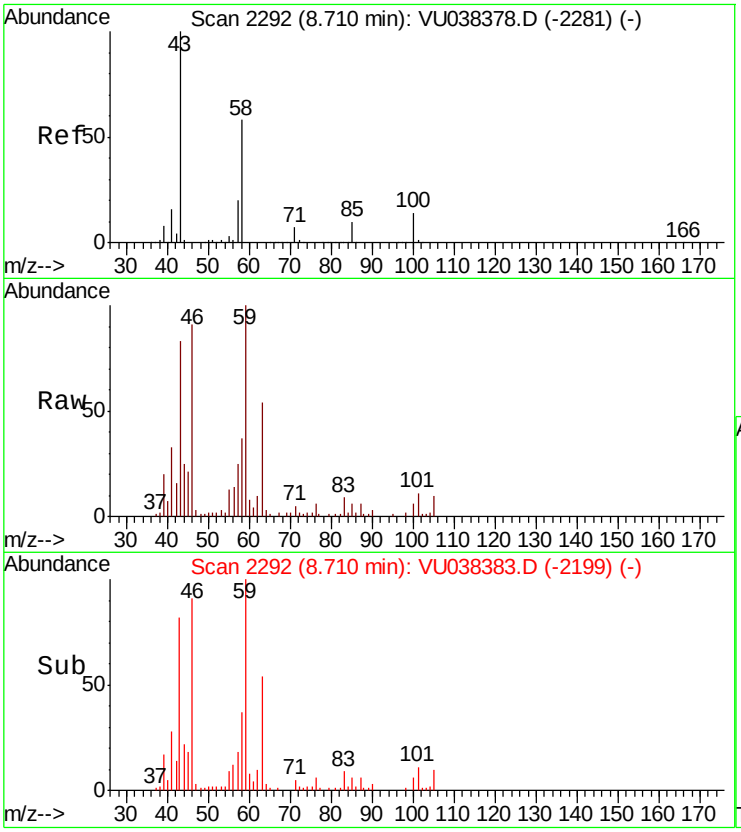




#45
1,1,2-Trichloroethane
Concen: 0.221 ug/L
RT: 8.39 min Scan# 2193
Delta R.T. -0.03 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 97 Resp: 4056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 44.0 | 81.6# |
| 83 | 9.9 | 59.6 | 110.8# |
| 85 | 8.4 | 41.3 | 76.7# |



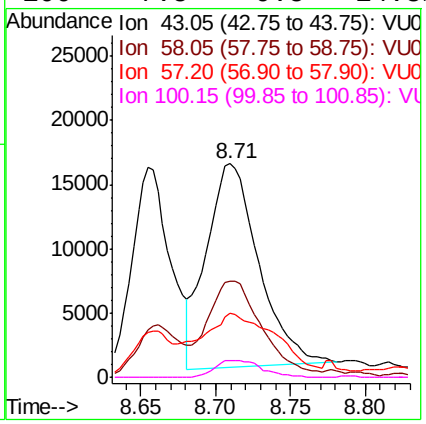


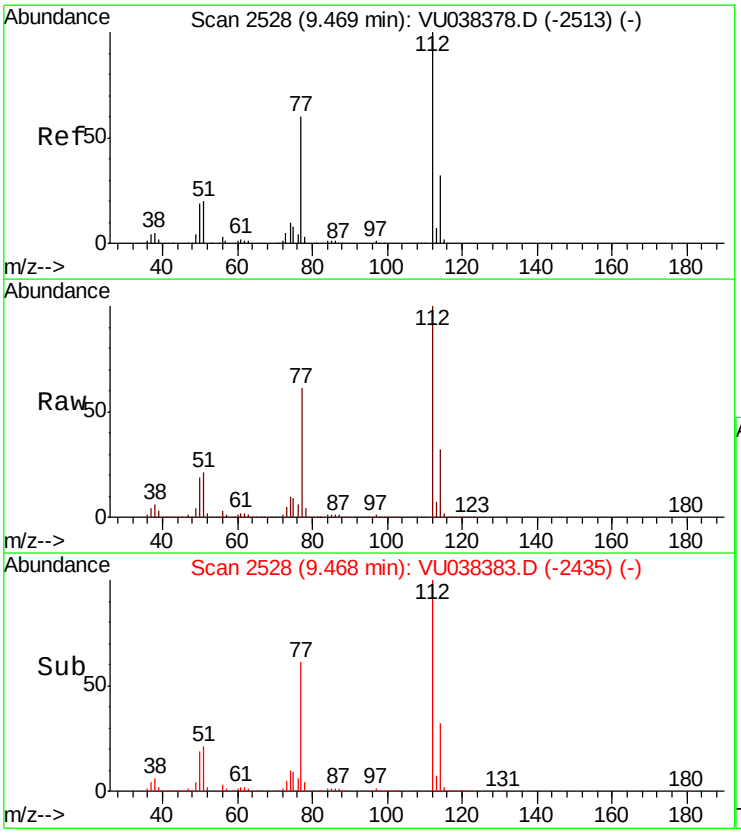

#48
2-Hexanone
Concen: 2.871 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :** MSVOA_U
**ClientSampleId :**

Tgt Ion: 43 Resp: 38591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 44.8 | 45.2 | 67.8# |
| 57 | 40.1 | 15.5 | 23.3# |
| 100 | 7.5 | 9.5 | 14.3# |

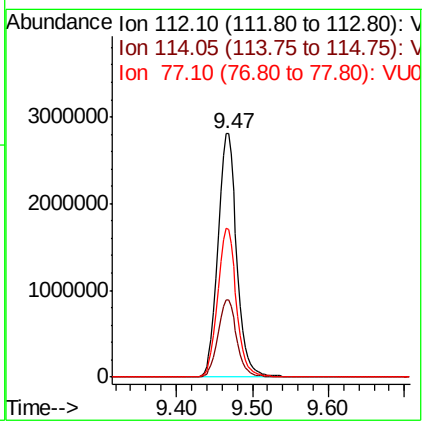


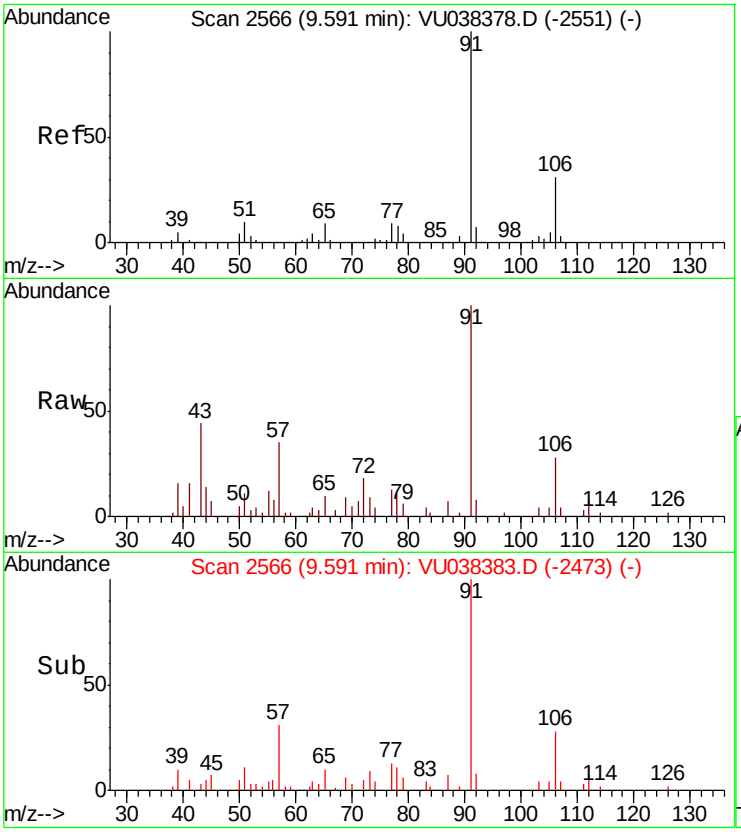




#51
Chlorobenzene
Concen: 75.129 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion:112 Resp: 4798234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 22.5 | 41.7 |
| 77 | 60.6 | 49.9 | 74.9 |



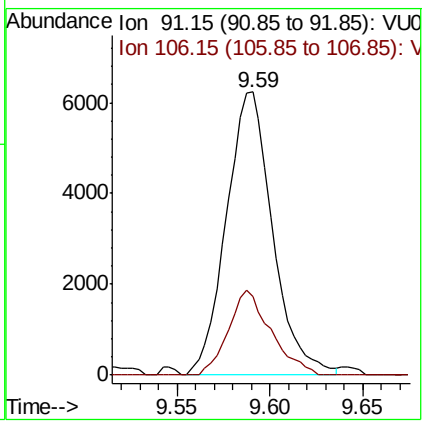


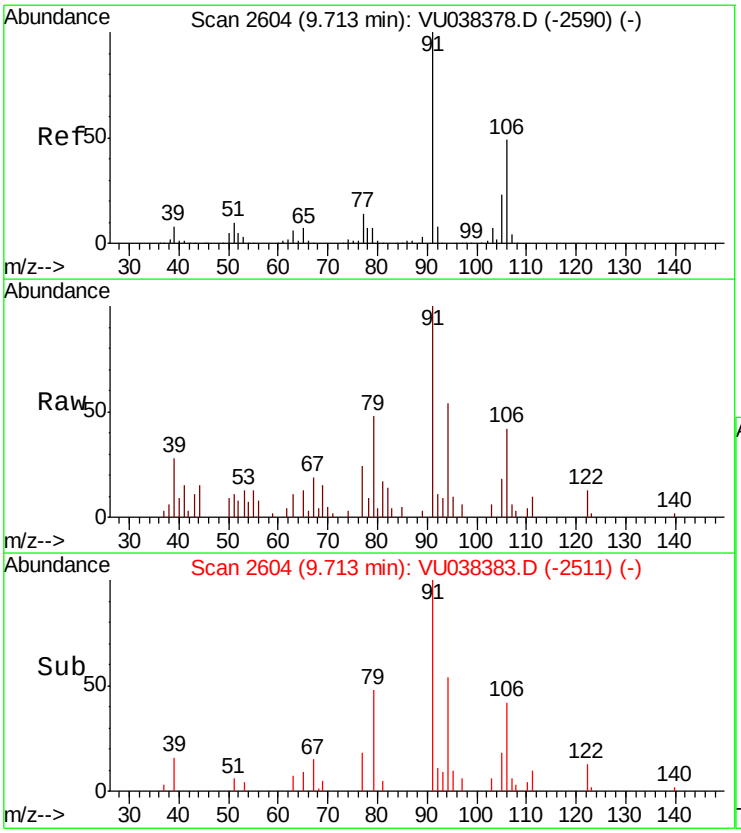

#52
Ethylbenzene
Concen: 0.097 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 91 Resp: 10854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.6 | 21.8 | 40.4 |

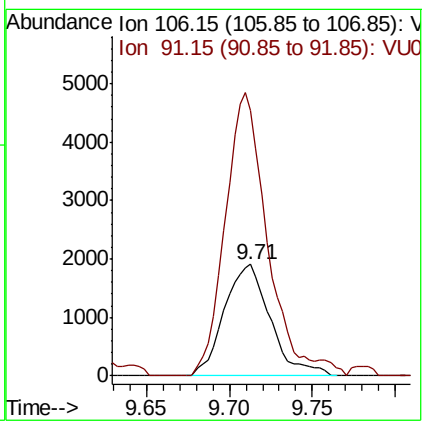


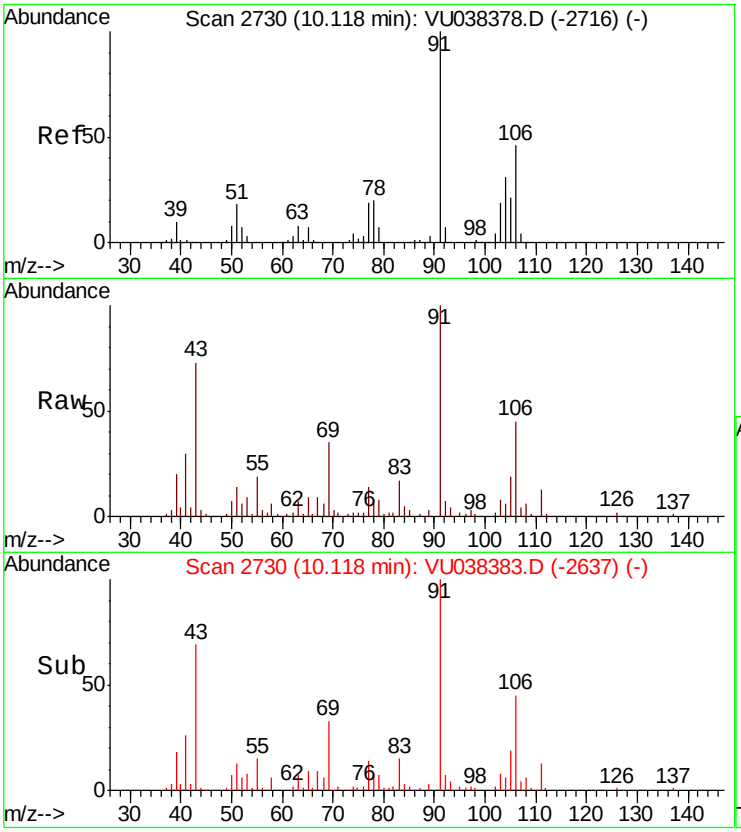




#53
m,p-Xylene
Concen: 0.086 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion:106 Resp: 3692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 237.6 | 142.1 | 263.9 |



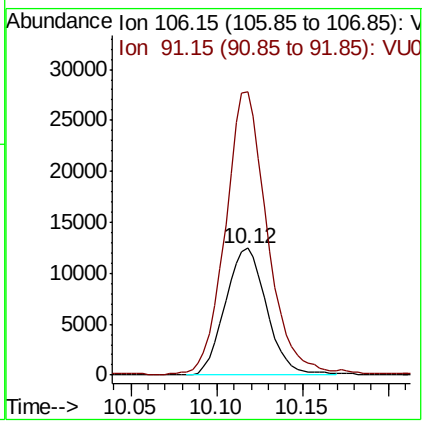


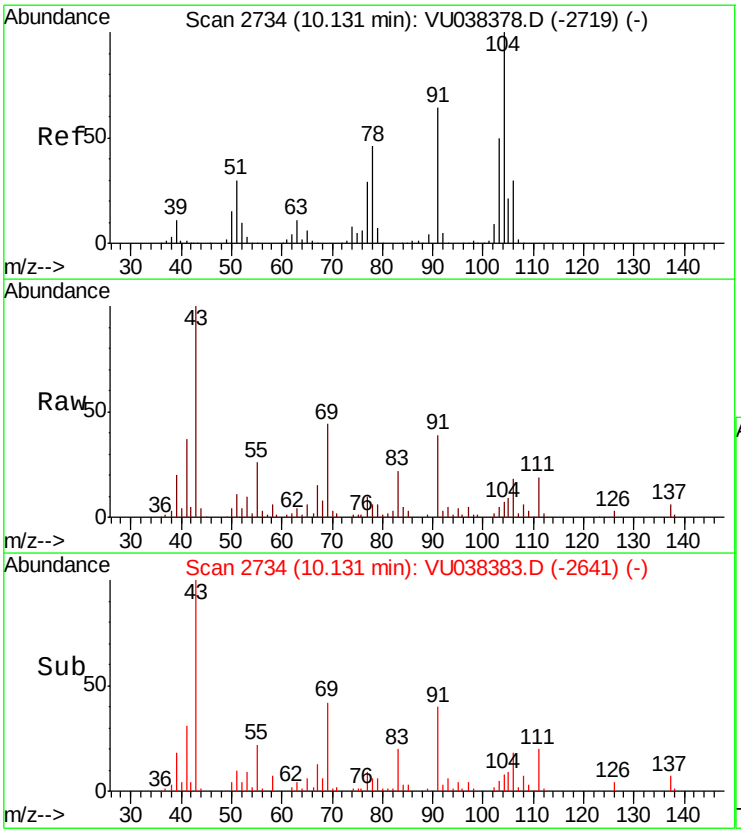

#54
o-Xylene
Concen: 0.505 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion:106 Resp: 20873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.9 | 148.5 | 275.9 |

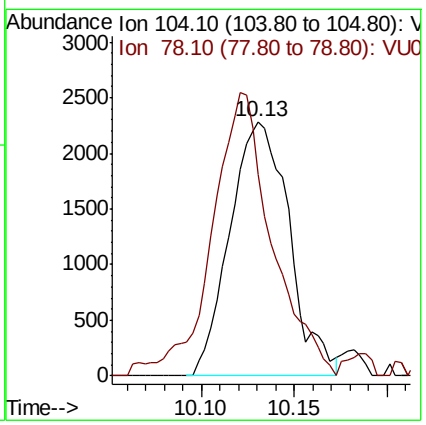


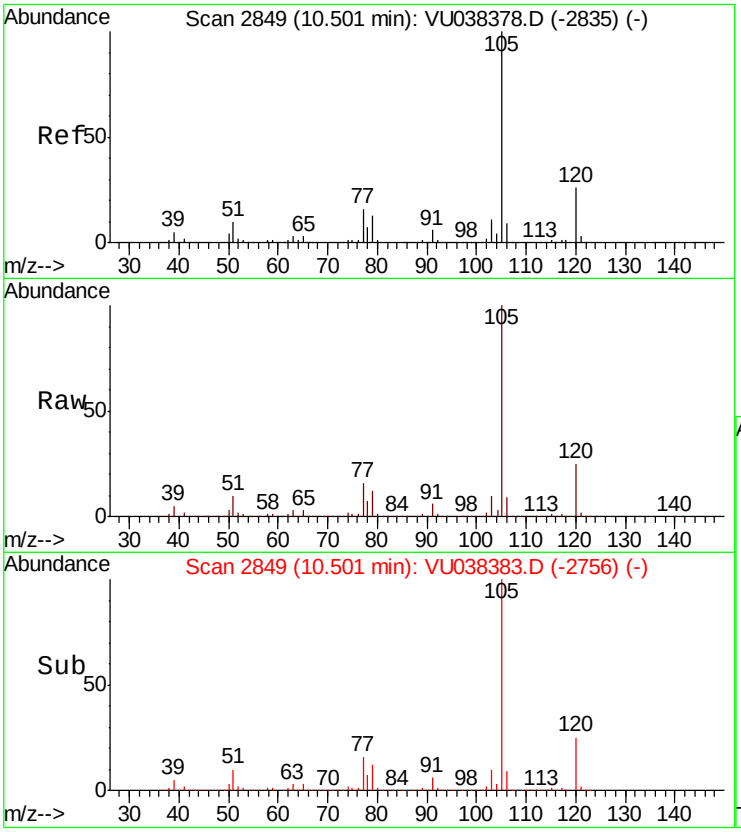




#55
Styrene
Concen: 0.073 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion:104 Resp: 5071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 79.0 | 32.3 | 59.9# |



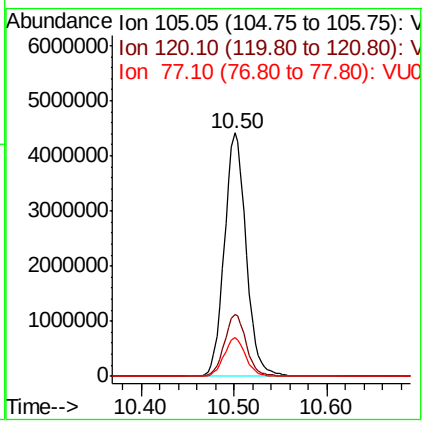


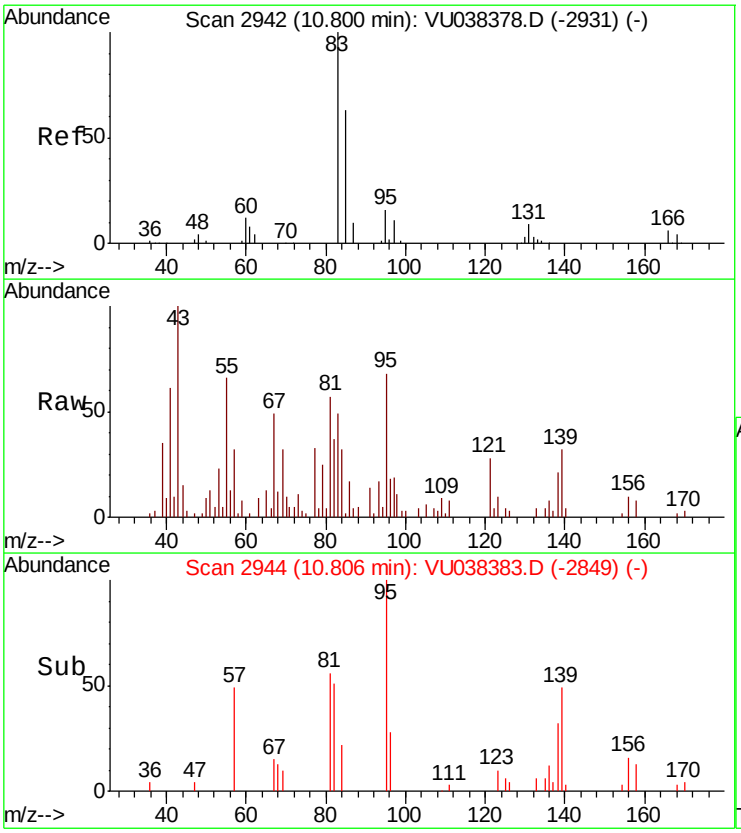

#56
Isopropylbenzene
Concen: 67.281 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :** MSVOA_U
**ClientSampleId :**

Tgt Ion:105 Resp: 7142649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 21.0 | 31.6 |
| 77 | 15.8 | 13.0 | 19.4 |

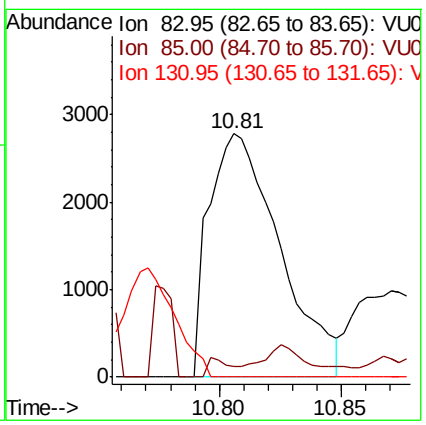


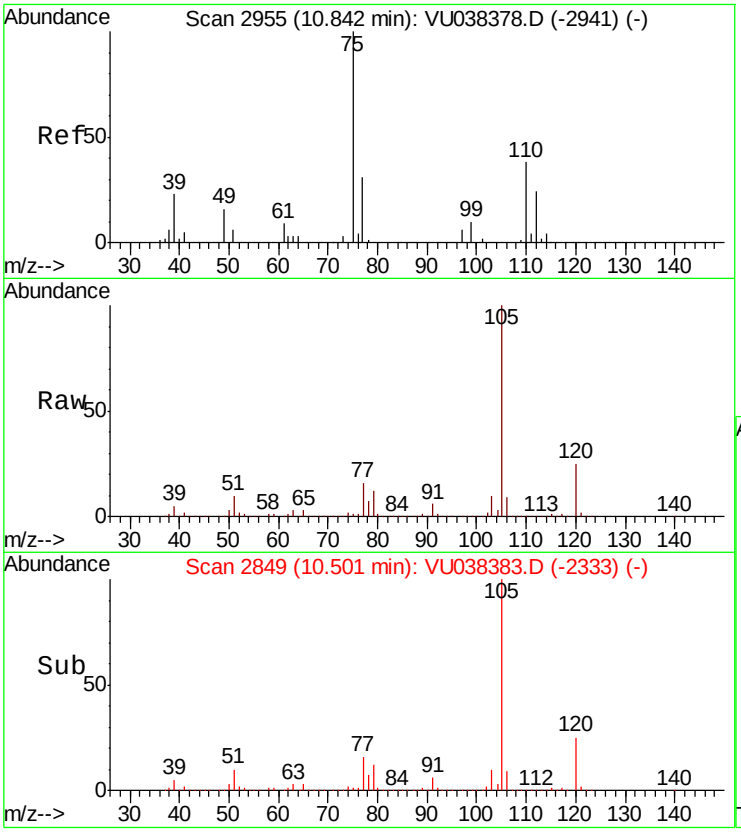




#58
1,1,2,2-Tetrachloroethane
Concen: 0.241 ug/L
RT: 10.81 min Scan# 2944
Delta R.T. 0.01 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 83 Resp: 5618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 4.1 | 47.0 | 87.2# |
| 131 | 0.0 | 7.7 | 11.5# |



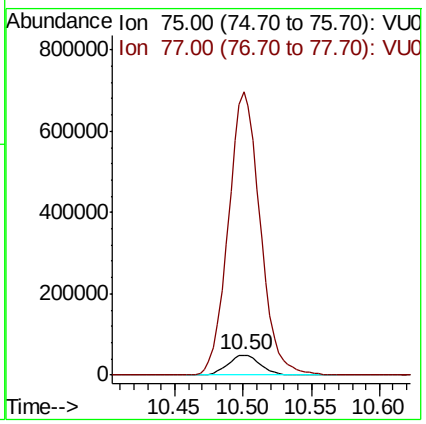


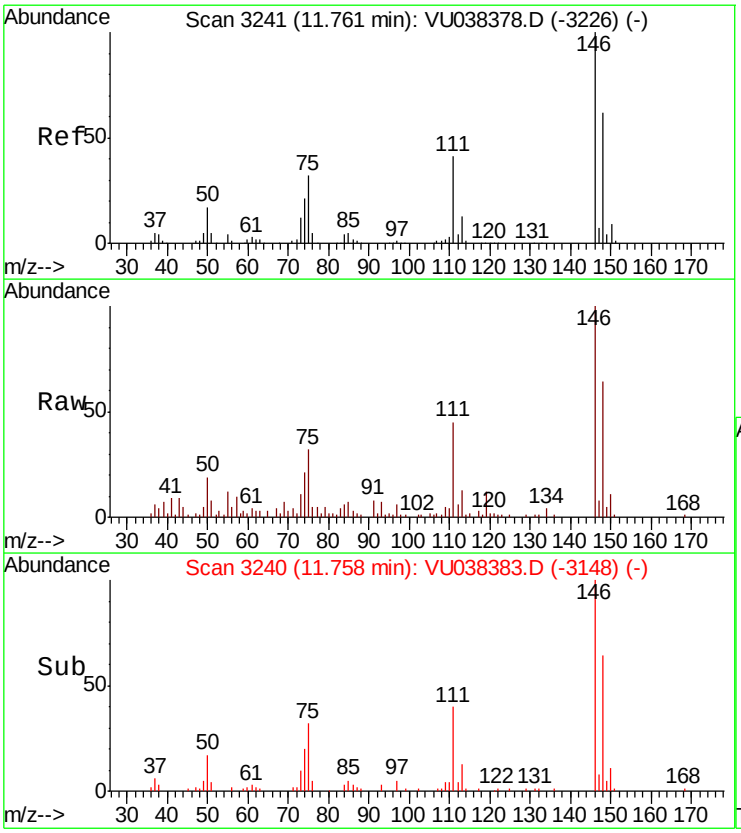

#59
1,2,3-Trichloropropane
Concen: 4.651 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.34 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 75 Resp: 82653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1368.1 | 25.4 | 38.0# |

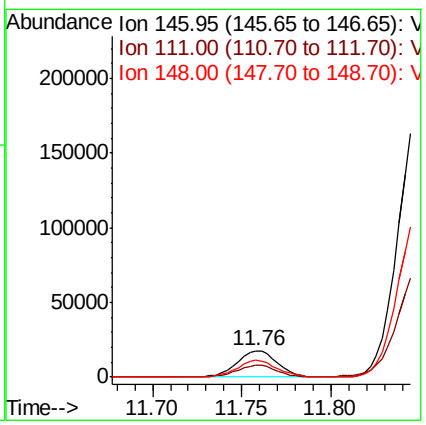


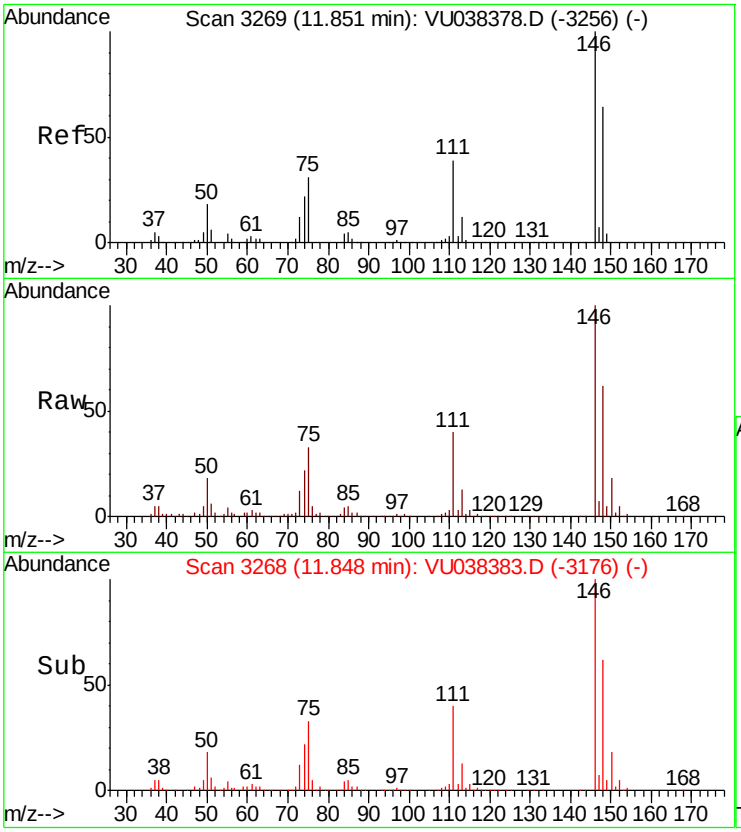




#62
1,3-Dichlorobenzene
Concen: 0.547 ug/L
RT: 11.76 min Scan# 3240
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion:146 Resp: 27916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 28.6 | 53.2 |
| 148 | 63.5 | 45.2 | 84.0 |



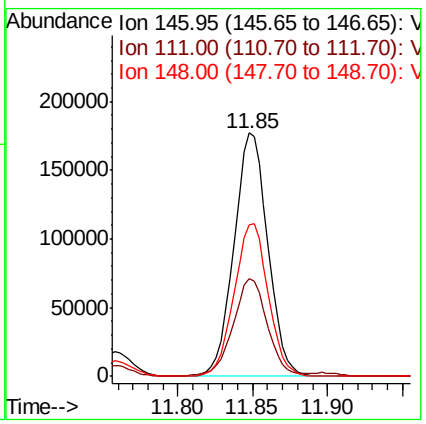


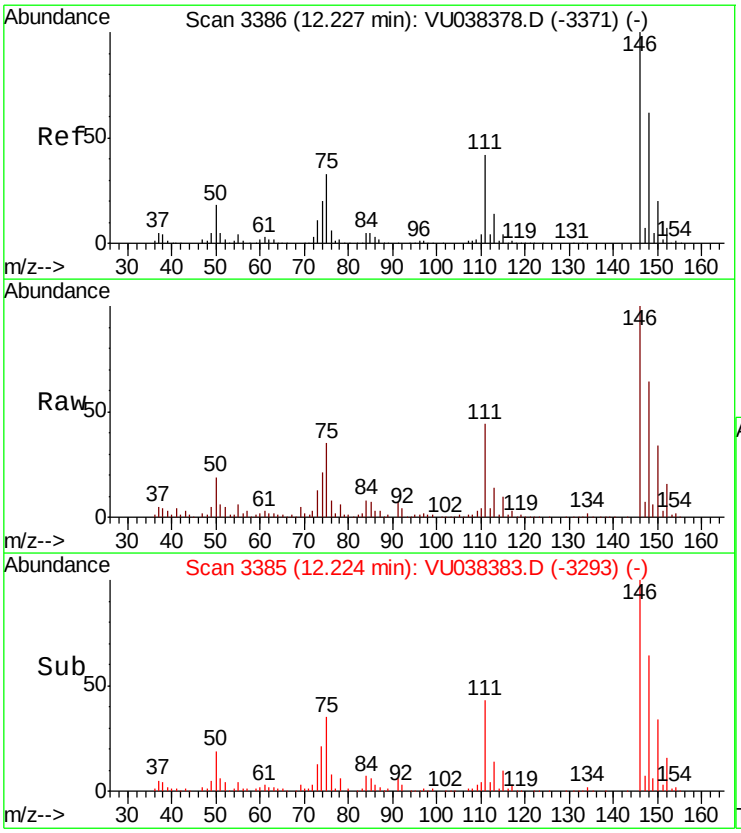

#63
1,4-Dichlorobenzene
Concen: 5.380 ug/L
RT: 11.85 min Scan# 3268
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion:146 Resp: 278242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 27.2 | 50.6 |
| 148 | 62.4 | 43.8 | 81.3 |

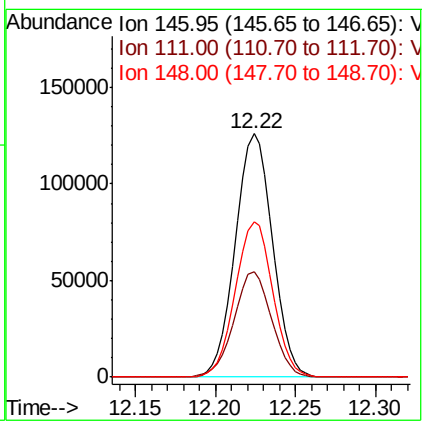


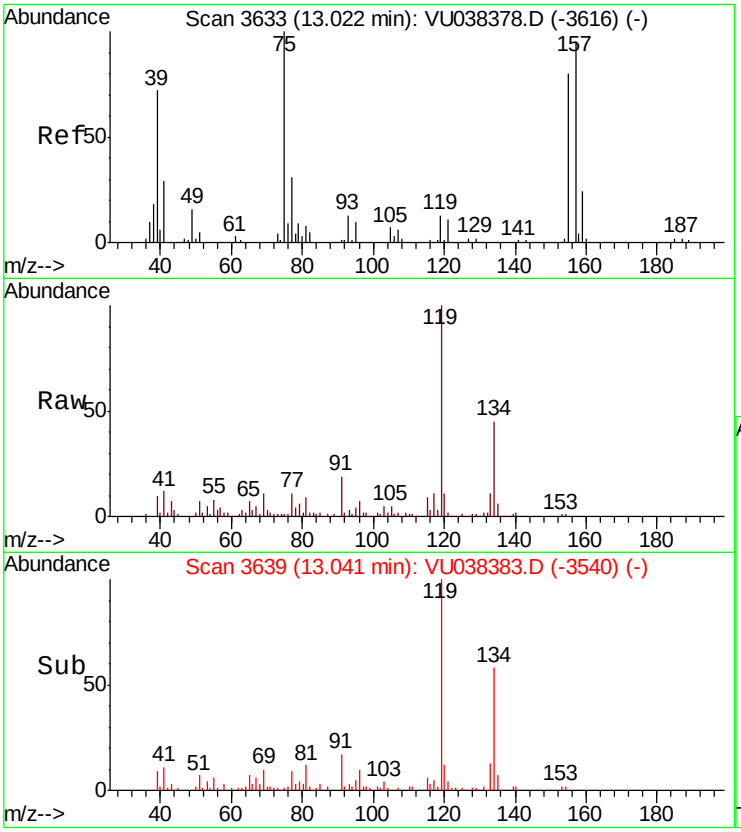




#65
1,2-Dichlorobenzene
Concen: 4.057 ug/L
RT: 12.22 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion:146 Resp: 199191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 35.3 | 52.9 |
| 148 | 64.0 | 51.0 | 76.4 |






#66
1,2-Dibromo-3-chloropropane
Concen: 0.168 ug/L
RT: 13.04 min Scan# 3639
Delta R.T. 0.02 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 75 Resp: 674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 58.2 | 87.2# |
| 157 | 0.0 | 72.9 | 109.3# |