Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040232.D
Acq On : 21 Sep 2020 14:34
Operator : SY/MD
Sample : L4046-12DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG0Q0DL

Quant Time: Sep 22 07:42:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 22 07:07:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 128020 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 126160 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 57318 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 30530 | 4.37 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 87.40% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 28819 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 99.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 51746 | 2.88 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 57.60%# | | | |
| 20) 2-Butanone-d5 | 4.67 | 46 | 154564 | 55.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 110.56% | | | |
| 24) Chloroform-d | 5.08 | 84 | 75216 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 48195 | 4.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.60% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 134757 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 91.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 46026 | 4.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 94.80% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 105988 | 3.98 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 79.60% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 19623 | 4.40 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.00% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 108374 | 51.30 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 102.60% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 45218 | 5.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 107.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 49991 | 5.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 107.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Methylene chloride | 3.06 | 84 | 2168 | 0.167 | ug/L # | 73 |
| 25) Chloroform | 5.11 | 83 | 3854 | 0.172 | ug/L | 97 |
| 33) Benzene | 5.79 | 78 | 260165 | 5.764 | ug/L | 100 |
| 51) Chlorobenzene | 9.45 | 112 | 19746 | 0.684 | ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 31978 | 0.606 | ug/L | 99 |
| 53) m,p-Xylene | 9.69 | 106 | 10740 | 0.571 | ug/L | 99 |
| 54) o-Xylene | 10.10 | 106 | 3164 | 0.177 | ug/L | 81 |
| 56) Isopropylbenzene | 10.48 | 105 | 15475 | 0.317 | ug/L | 97 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 2268 | 0.107 | ug/L | 94 |
| 65) 1,2-Dichlorobenzene | 12.20 | 146 | 1553 | 0.077 | ug/L # | 71 |

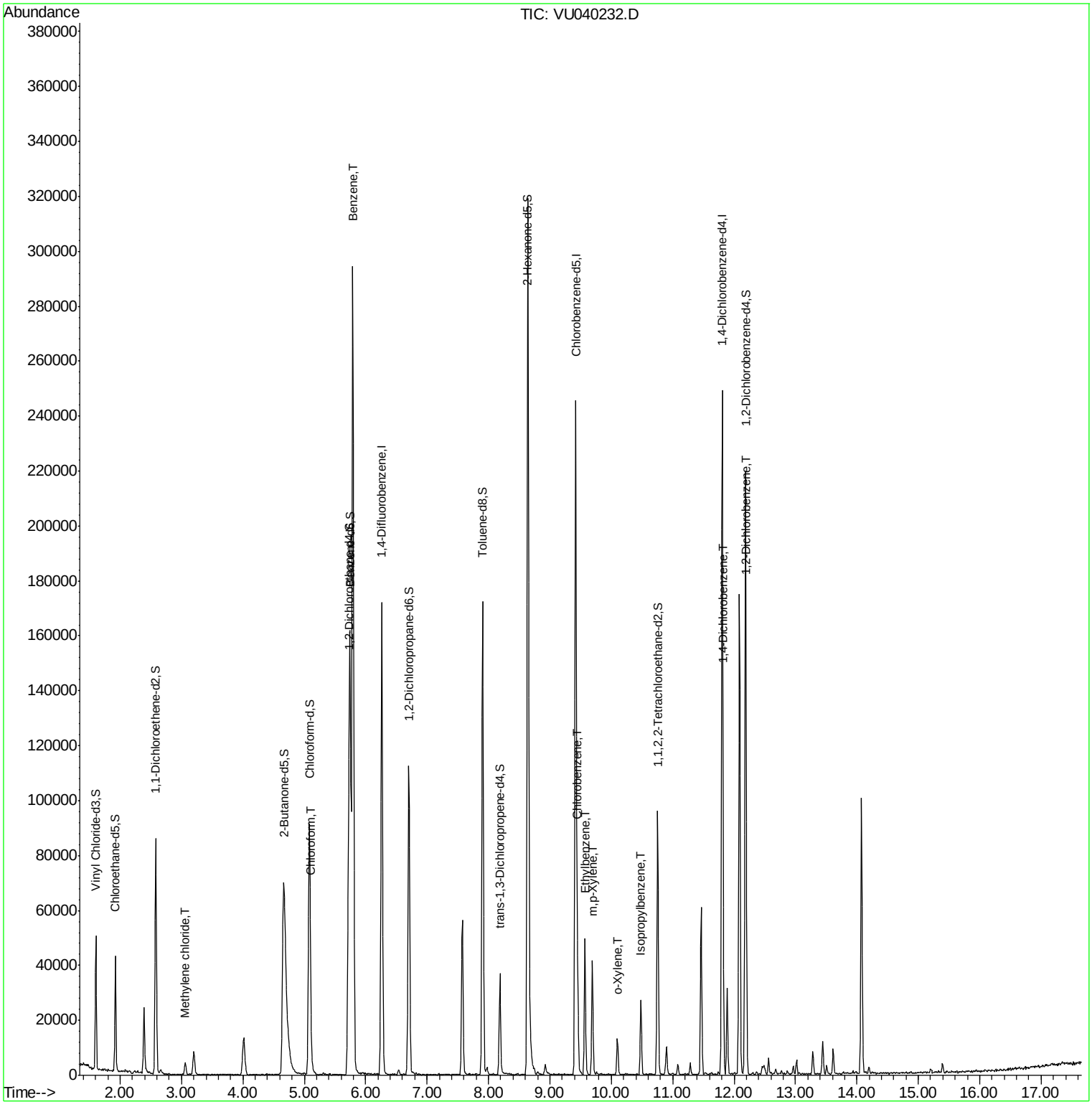
(#) = qualifier out of range (m) = manual integration (+) = signals summed

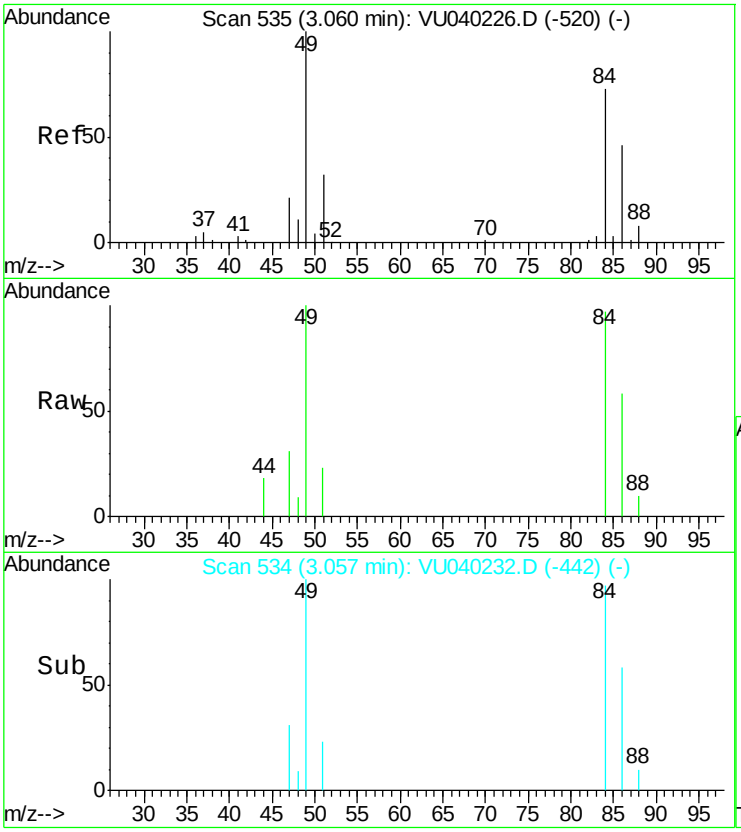
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092120\
Data File : VU040232.D
Acq On : 21 Sep 2020 14:34
Operator : SY/MD
Sample : L4046-12DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BG0Q0DL

Quant Time: Sep 22 07:42:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 22 07:07:10 2020
Response via : Initial Calibration



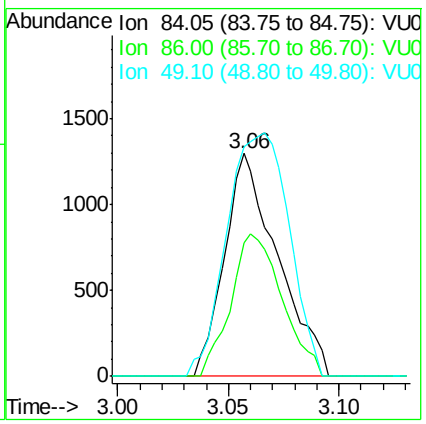


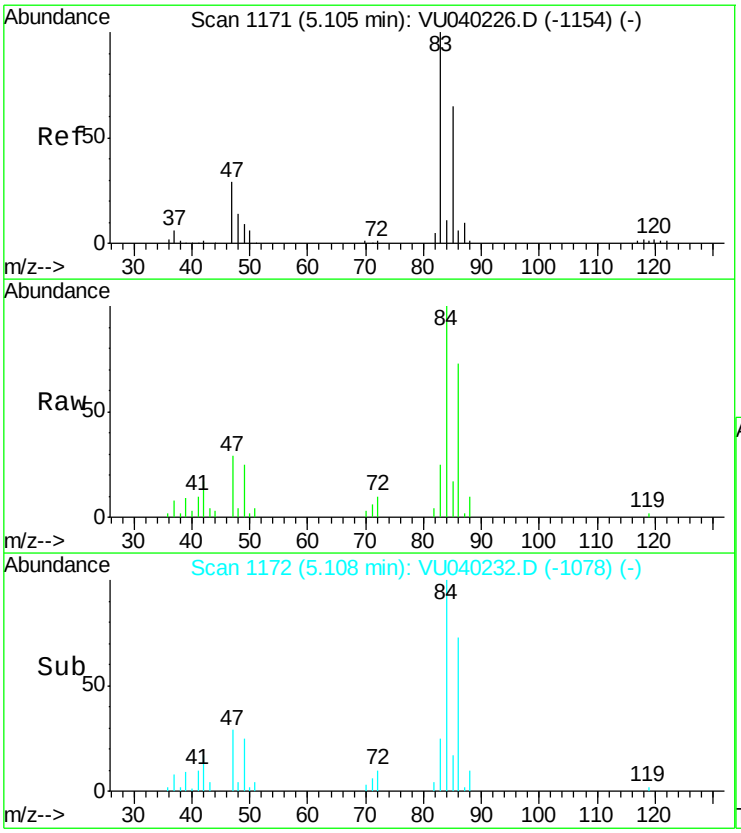

#16
Methylene chloride
Concen: 0.167 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

**Instrument :** MSVOA_U
**ClientSampleId :** BG0Q0DL

Tgt Ion: 84 Resp: 2168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 60.2 | 45.2 | 84.0 |
| 49 | 103.2 | 104.0 | 193.2# |

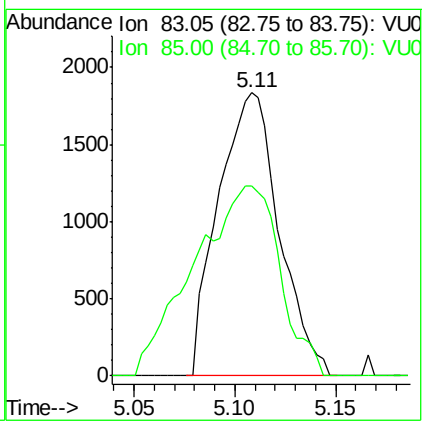


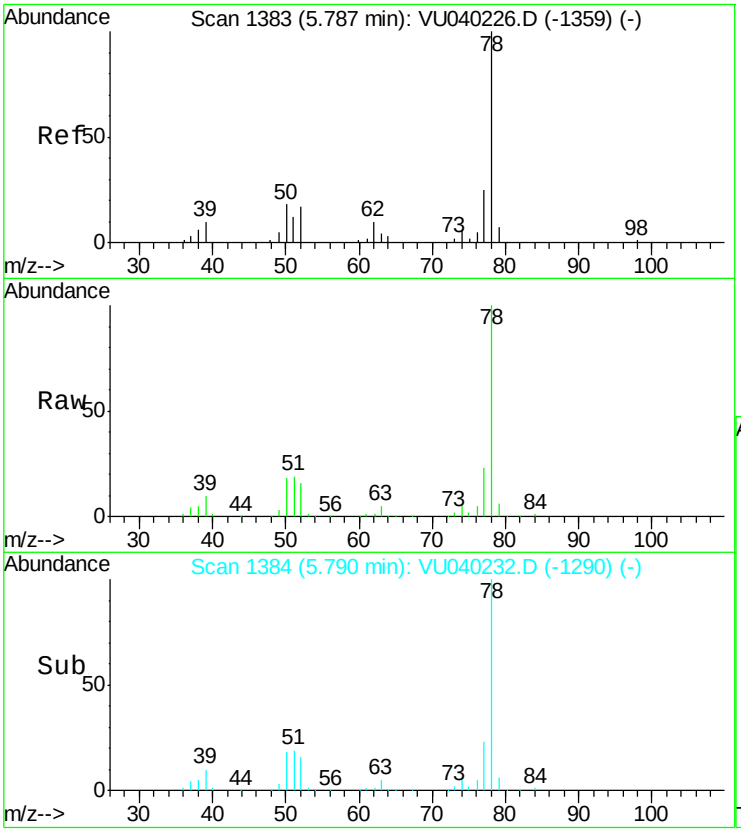




#25
Chloroform
Concen: 0.172 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

Tgt Ion: 83 Resp: 3854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.0 | 45.3 | 84.1 |

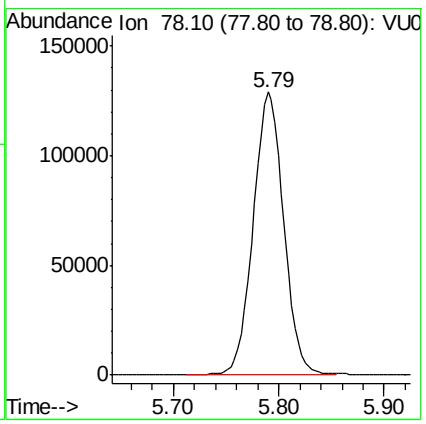


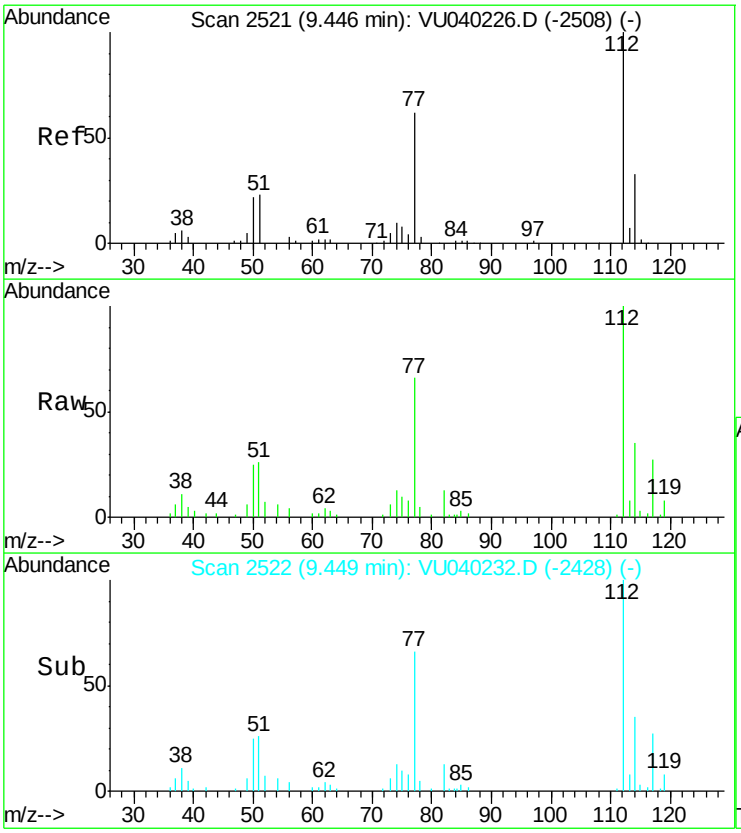



#33
Benzene
Concen: 5.764 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
BG0Q0DL

Tgt Ion: 78 Resp: 260165

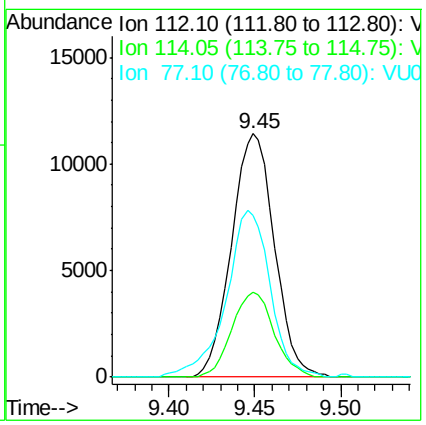


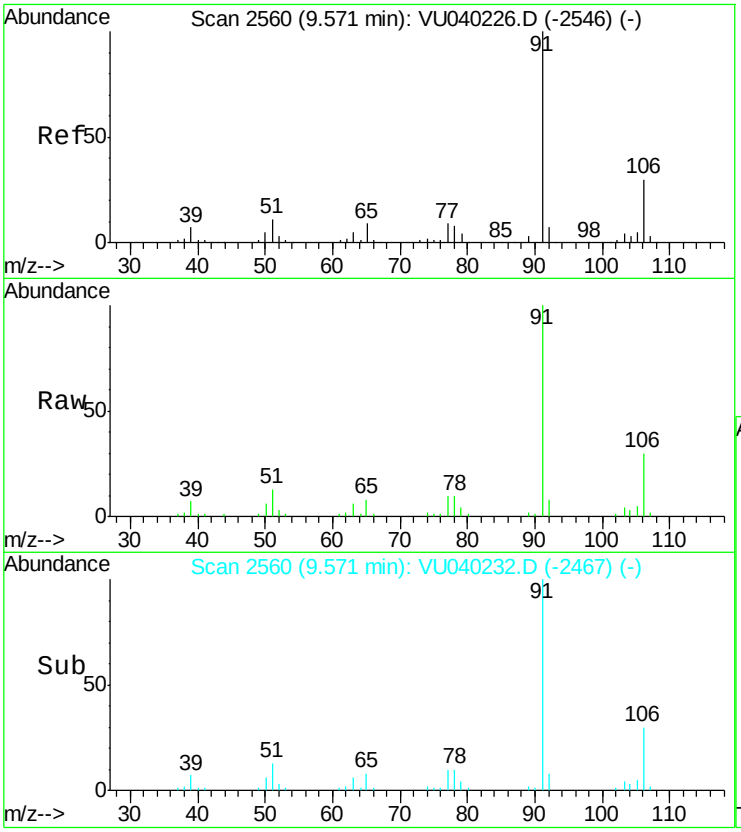




#51
Chlorobenzene
Concen: 0.684 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

Tgt Ion:112 Resp: 19746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 34.6 | 22.7 | 42.3 |
| 77 | 66.4 | 53.2 | 79.8 |



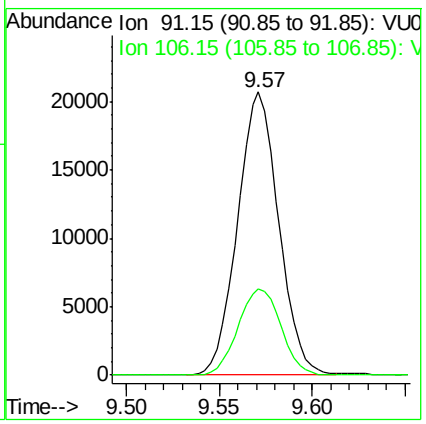


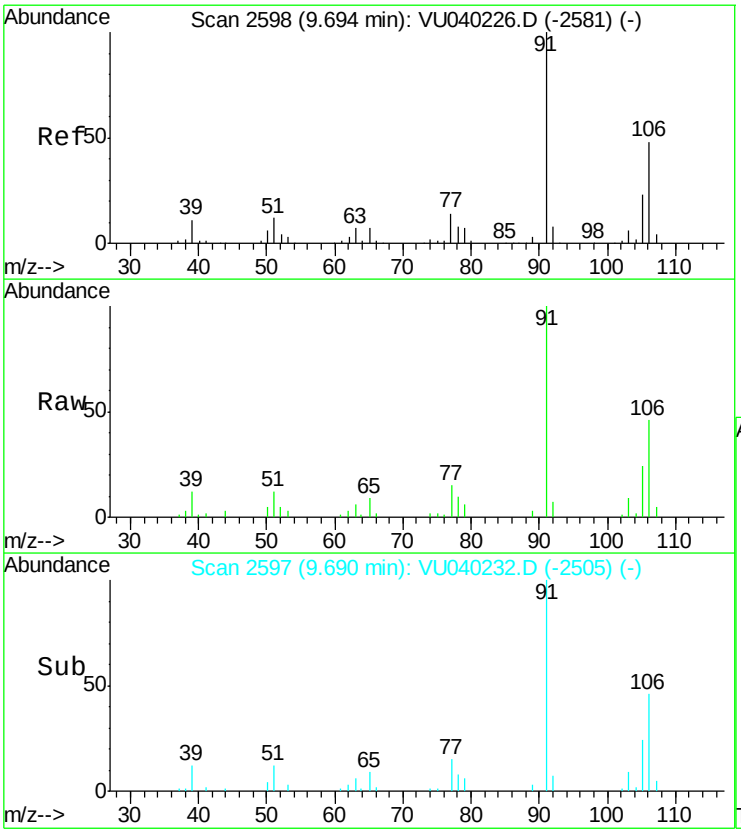

#52
Ethylbenzene
Concen: 0.606 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

**Instrument :** MSVOA_U
**ClientSampleId :** BG0Q0DL

Tgt Ion: 91 Resp: 31978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 21.0 | 39.0 |

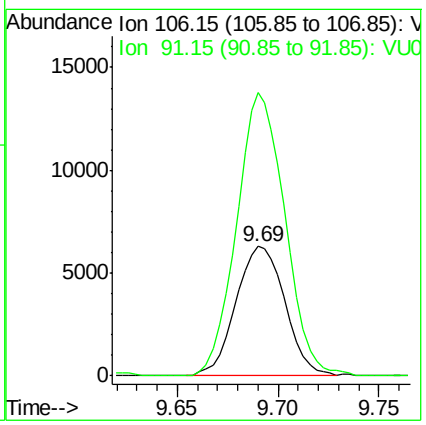


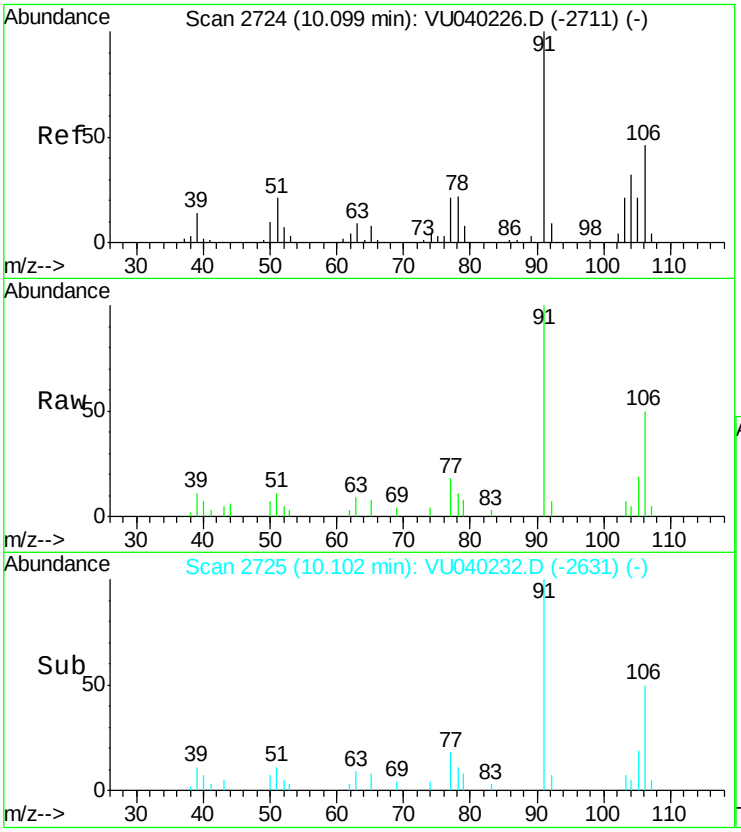




#53
m,p-Xylene
Concen: 0.571 ug/L
RT: 9.69 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

Tgt Ion:106 Resp: 10740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.0 | 151.7 | 281.7 |



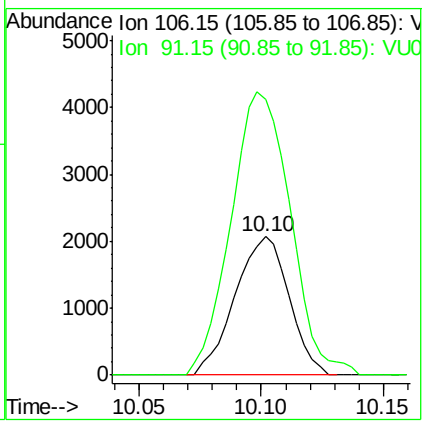


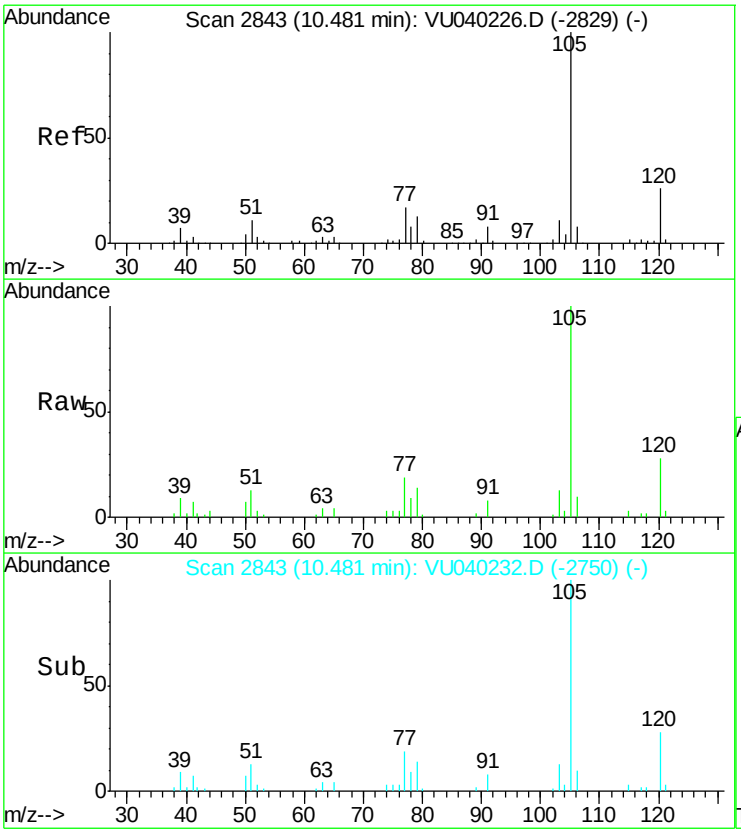

#54
o-Xylene
Concen: 0.177 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
BG0Q0DL

Tgt Ion:106 Resp: 3164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 198.9 | 160.8 | 298.6 |

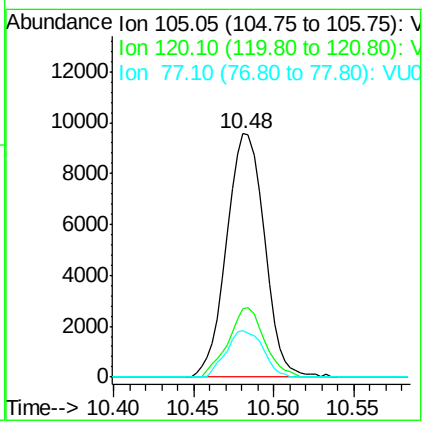


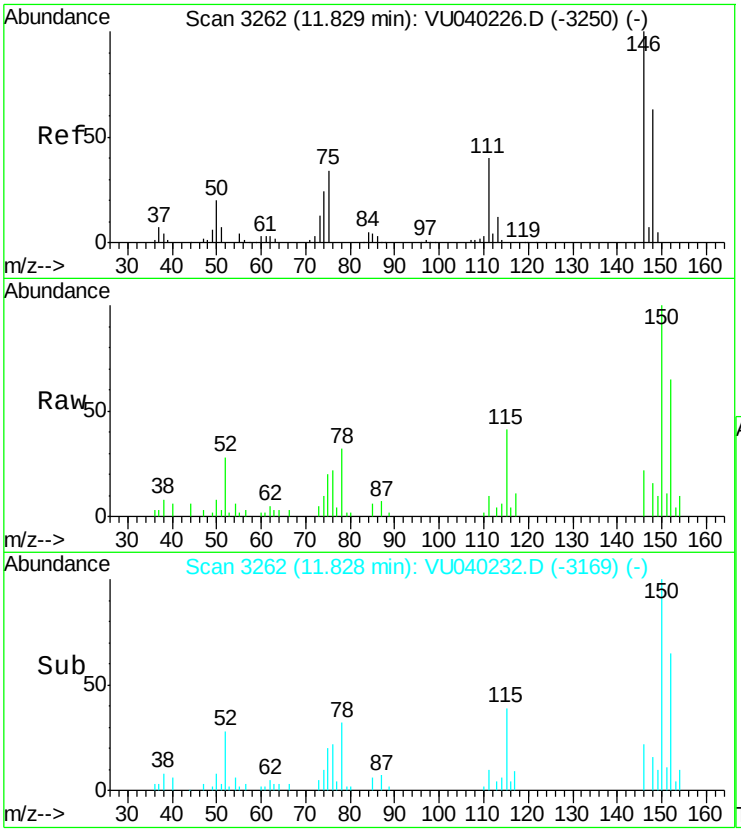




#56
Isopropylbenzene
Concen: 0.317 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

Tgt Ion:105 Resp: 15475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.1 | 20.1 | 30.1 |
| 77 | 18.4 | 14.4 | 21.6 |



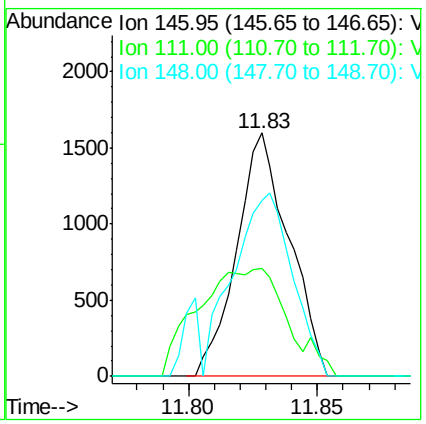


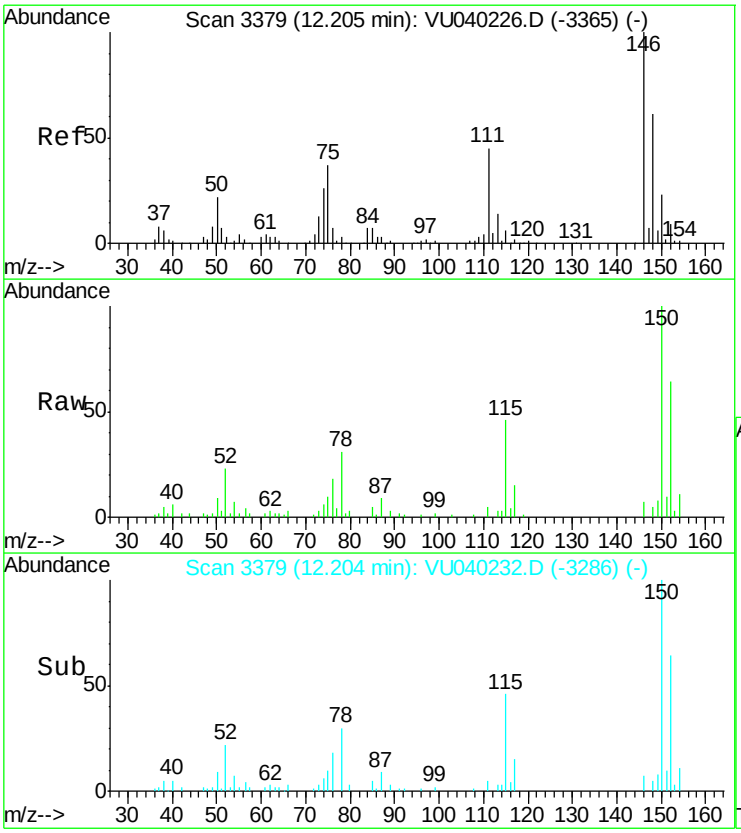

#63
1,4-Dichlorobenzene
Concen: 0.107 ug/L
RT: 11.83 min Scan# 3262
Delta R.T. -0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

**Instrument :** MSVOA_U
**ClientSampleId :** BG0Q0DL

Tgt Ion:146 Resp: 2268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.3 | 30.5 | 56.7 |
| 148 | 72.1 | 45.4 | 84.4 |




#65
1,2-Dichlorobenzene
Concen: 0.077 ug/L
RT: 12.20 min Scan# 3379
Delta R.T. -0.00 min
Lab File: VU040232.D
Acq: 21 Sep 2020 14:34

Tgt Ion:146 Resp: 1553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 74.2 | 36.5 | 54.7# |
| 148 | 74.2 | 48.6 | 72.8# |