Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Quantitation Report (Not Reviewed)

Data File : VV015025.D
Acq On : 18 Mar 2020 20:00
Operator : SY/MD
Sample : L1941-04DL10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0DB4DL

Quant Time: Mar 19 04:10:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 340836 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 330457 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 164611 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 82451 | 51.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 103.54% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 65950 | 52.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 105.62% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 104108 | 38.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 76.50% | | | |
| 21) 2-Butanone-d5 | 3.93 | 46 | 105452 | 97.67 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 97.67% | | | |
| 24) Chloroform-d | 4.38 | 84 | 200958 | 49.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.58% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 132721 | 51.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 103.42% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 414257 | 52.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 105.66% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 121519 | 52.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 105.92% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 400507 | 50.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.48% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 61012 | 49.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 99.50% | | | |
| 47) 2-Hexanone-d5 | 8.12 | 63 | 118150 | 111.75 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 111.75% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 174668 | 50.59 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 101.18% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 172357 | 52.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.32% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1222 | 0.834 | ug/L # | 17 |
| 12) 1,1-Dichloroethene | 2.12 | 96 | 1074 | 0.774 | ug/L # | 1 |
| 33) Benzene | 5.13 | 78 | 169959 | 21.010 | ug/L | 100 |
| 48) 2-Hexanone | 8.12 | 43 | 12577 | 6.213 | ug/L # | 67 |
| 51) Chlorobenzene | 8.90 | 112 | 196612 | 30.579 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.21 | 146 | 4894 | 0.988 | ug/L | 95 |
| 63) 1,4-Dichlorobenzene | 11.29 | 146 | 71999 | 13.960 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.67 | 146 | 68496 | 13.015 | ug/L | 100 |
| 67) 1,3,5-Trichlorobenzene | 13.28 | 180 | 8155 | 2.080 | ug/L | 96 |
| 68) 1,2,4-trichlorobenzene | 13.28 | 180 | 8155 | 2.259 | ug/L | 94 |
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180 | 1603 | 0.452 | ug/L # | 89 |

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

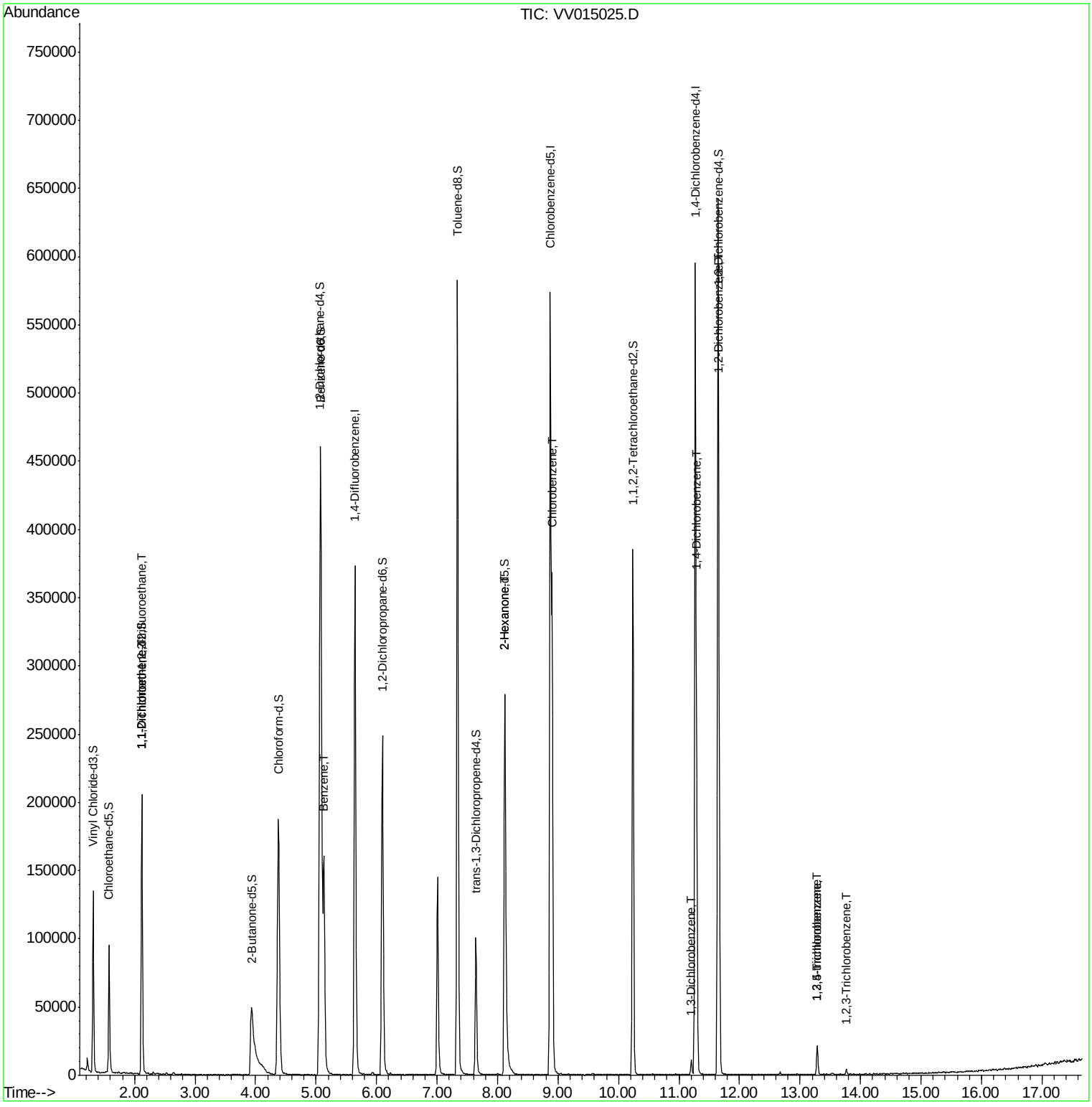
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

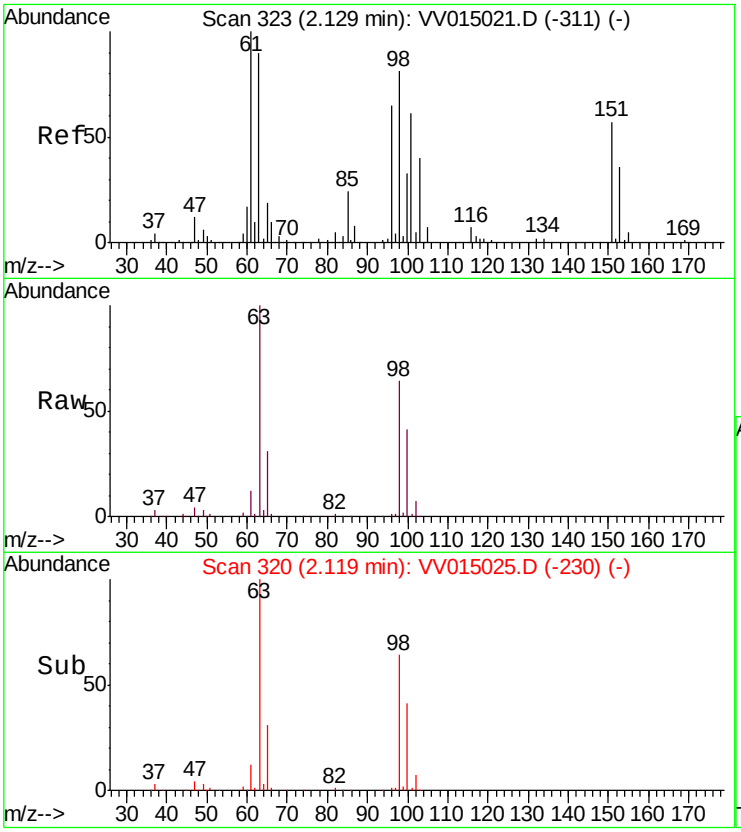
Quantitation Report (Not Reviewed)

Data File : VV015025.D
Acq On : 18 Mar 2020 20:00
Operator : SY/MD
Sample : L1941-04DL10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0DB4DL

Quant Time: Mar 19 04:10:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration



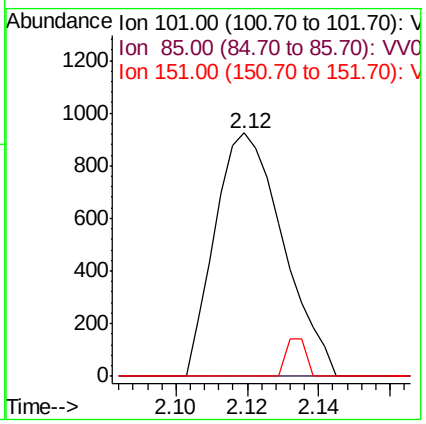


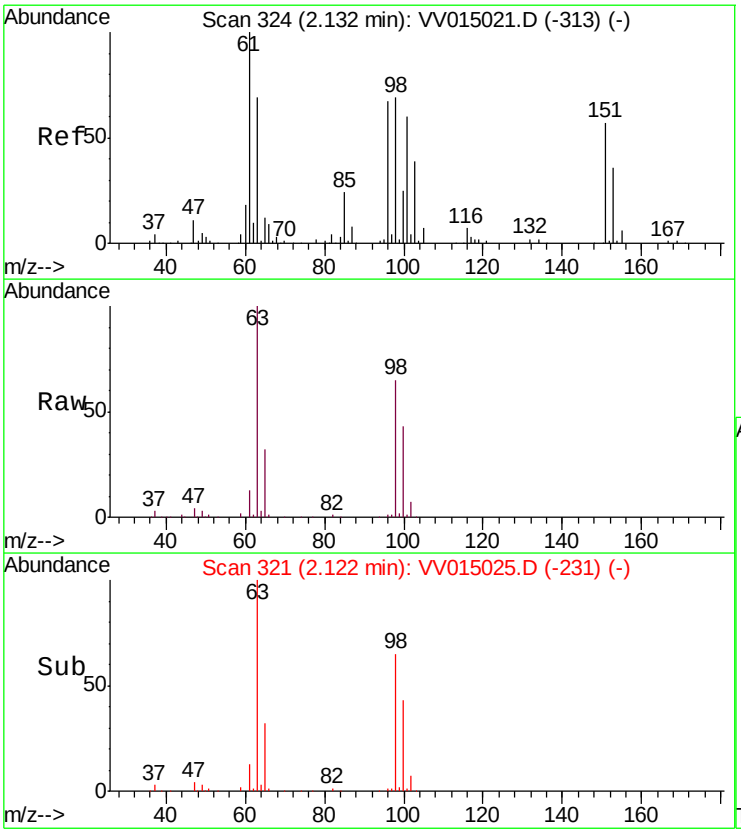

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.834 ug/L
RT: 2.12 min Scan# 320
Delta R.T. -0.01 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

**Instrument :** MSVOA_V
**ClientSampleId :** C0DB4DL

Tgt Ion:101 Resp: 1222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 33.2 | 49.8# |
| 151 | 4.5 | 72.6 | 109.0# |

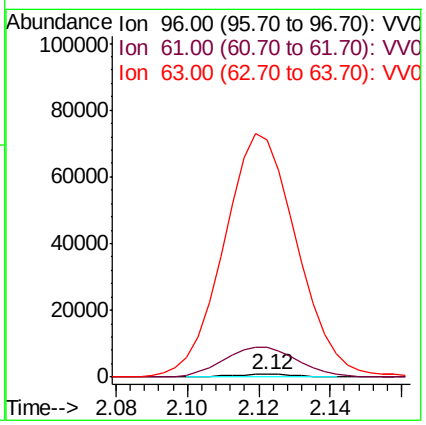


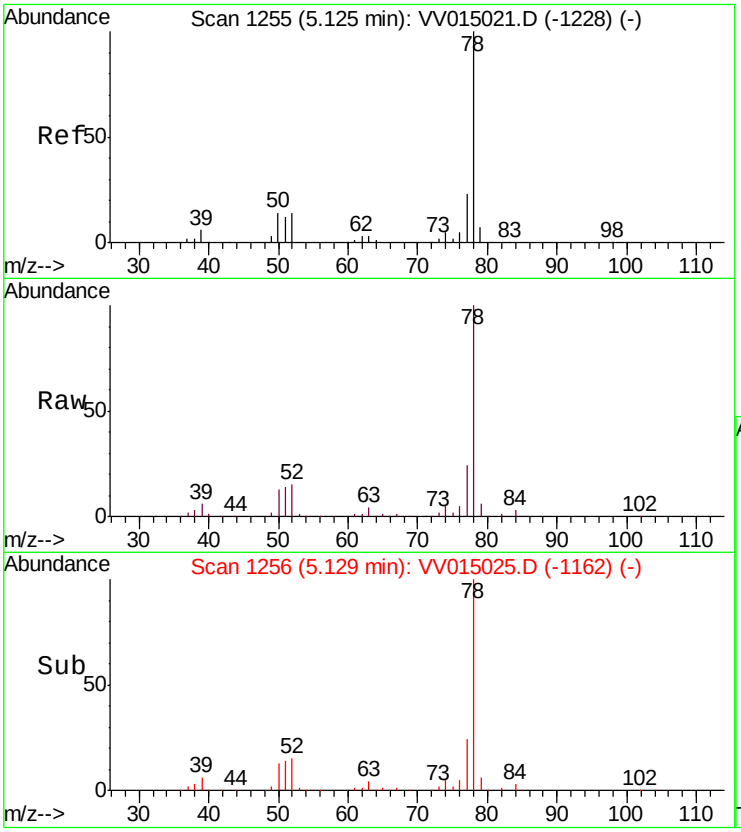




#12
1,1-Dichloroethene
Concen: 0.774 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

Tgt Ion: 96 Resp: 1074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1151.2 | 105.6 | 196.2# |
| 63 | 9154.2 | 75.9 | 140.9# |

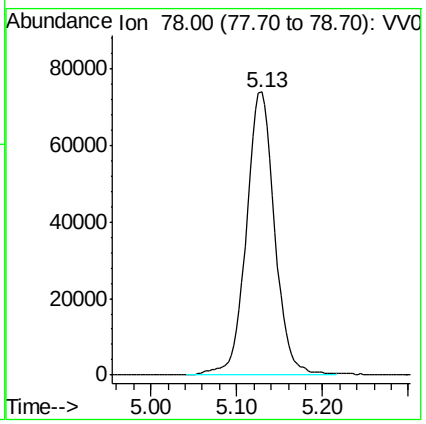


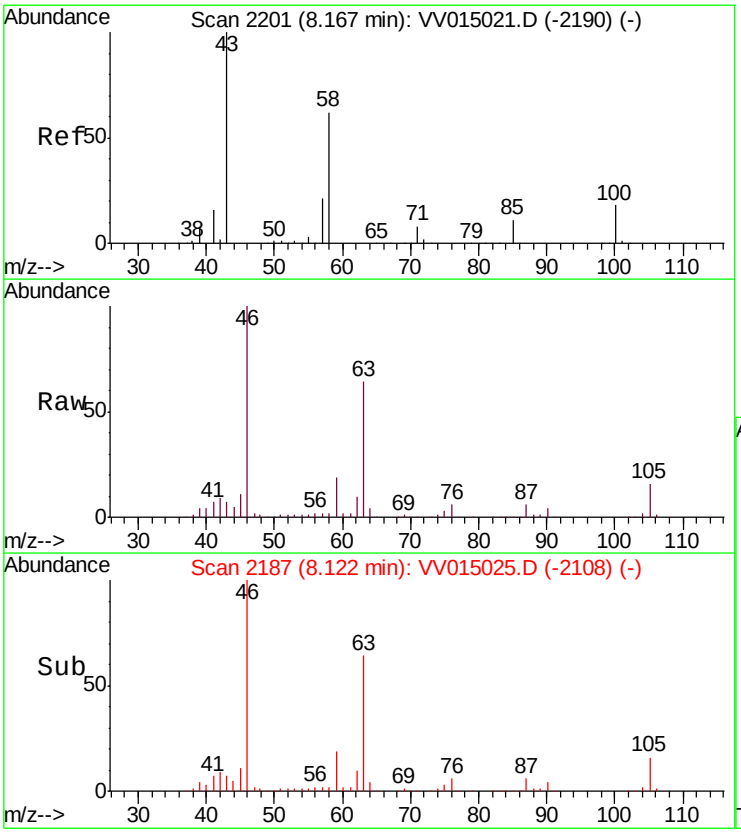



#33
Benzene
Concen:  21.010 ug/L
RT: 5.13 min  Scan# 1256
Delta R.T.  0.00 min
Lab File:  VV015025.D
Acq: 18 Mar 2020  20:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0DB4DL

Tgt Ion: 78 Resp:  169959

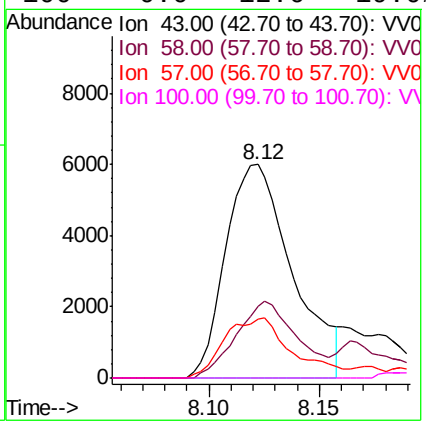


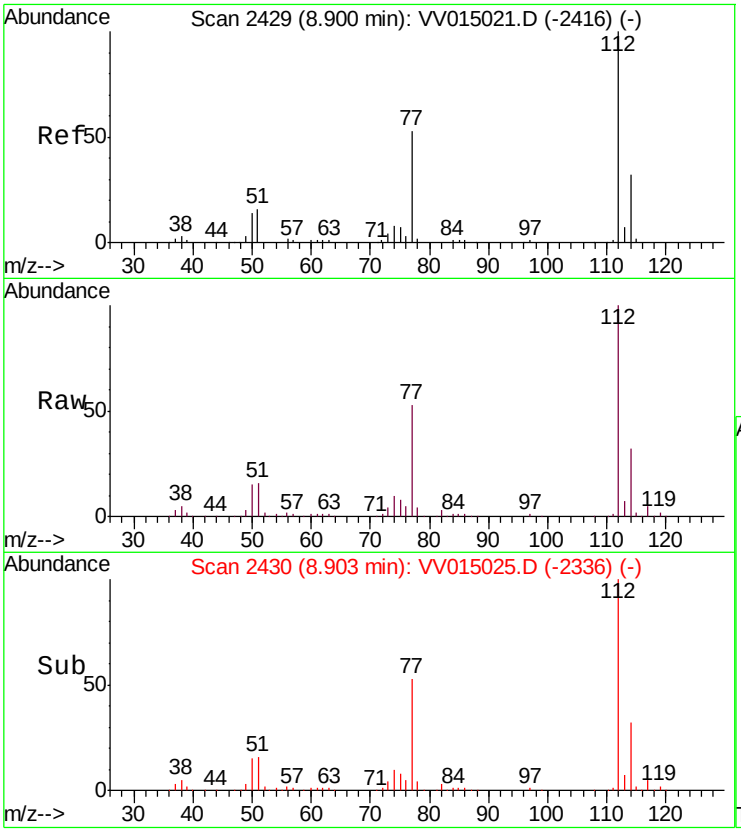




#48
2-Hexanone
Concen:  6.213 ug/L
RT: 8.12 min  Scan# 2187
Delta R.T.  -0.05 min
Lab File:  VV015025.D
Acq: 18 Mar 2020  20:00

Tgt Ion: 43 Resp:  12577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.0 | 48.2 | 72.2# |
| 57 | 10.2 | 15.8 | 23.6# |
| 100 | 0.0 | 12.6 | 19.0# |



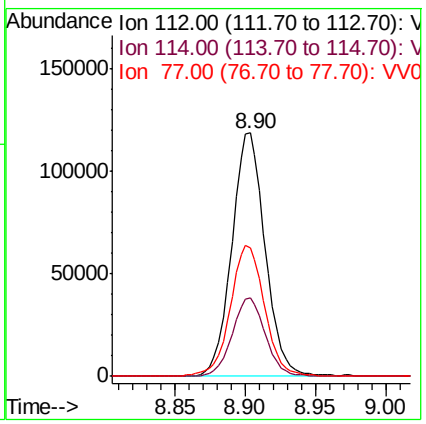


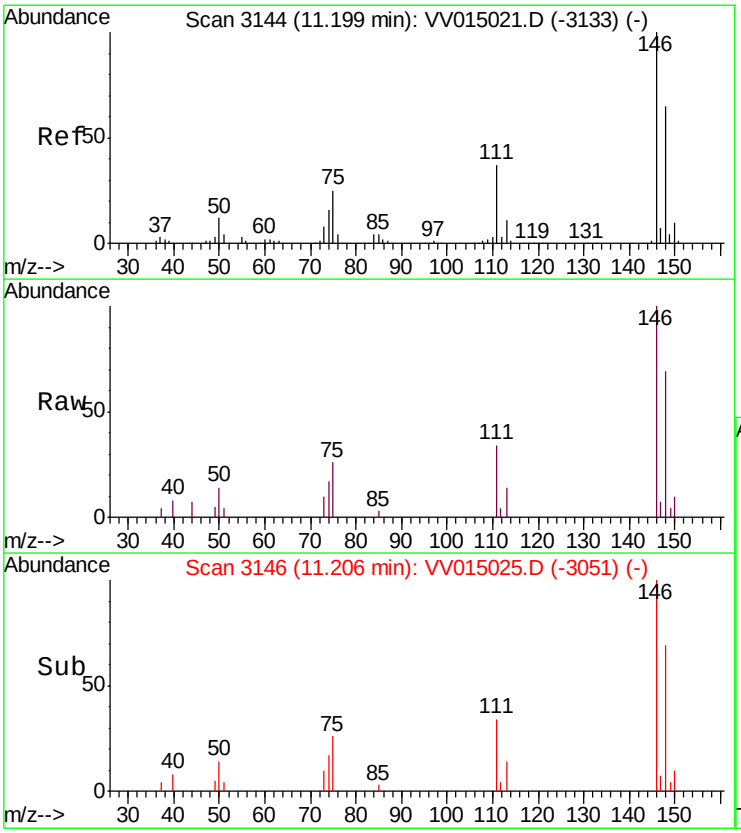

#51
Chlorobenzene
Concen: 30.579 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

**Instrument :** MSVOA_V
**ClientSampleId :** C0DB4DL

Tgt Ion:112 Resp: 196612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 22.4 | 41.6 |
| 77 | 52.8 | 42.9 | 64.3 |

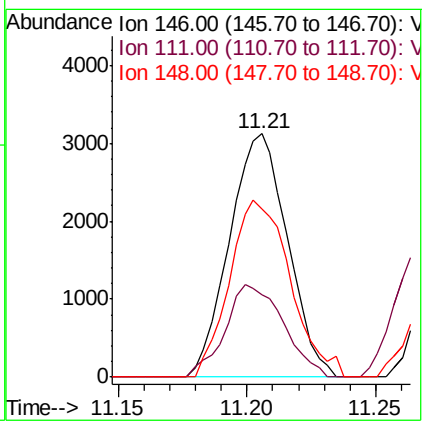


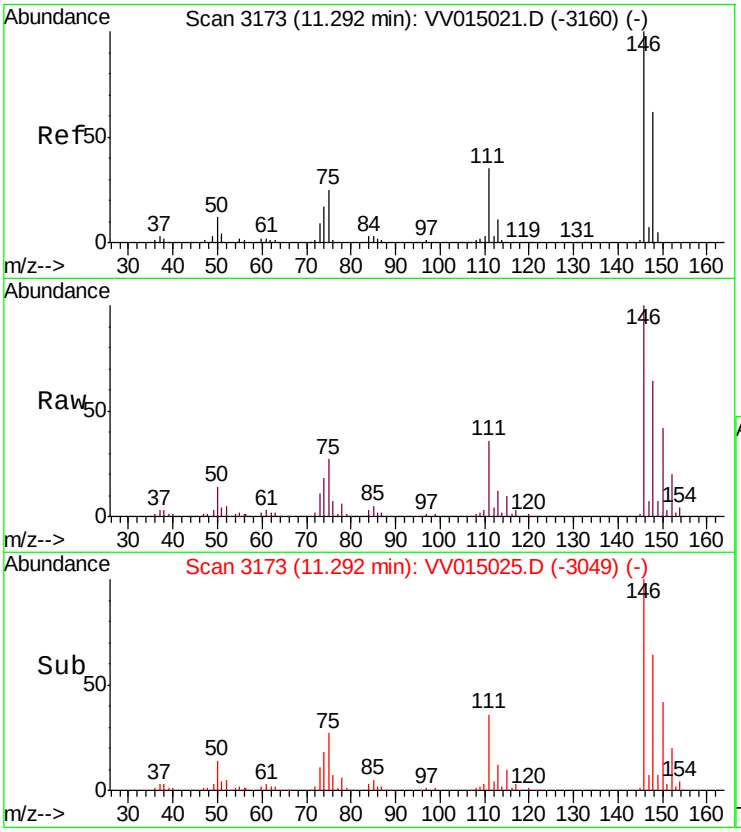




#62
1,3-Dichlorobenzene
Concen: 0.988 ug/L
RT: 11.21 min Scan# 3146
Delta R.T. 0.01 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

Tgt Ion:146 Resp: 4894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 34.0 | 25.7 | 47.7 |
| 148 | 68.9 | 45.4 | 84.4 |



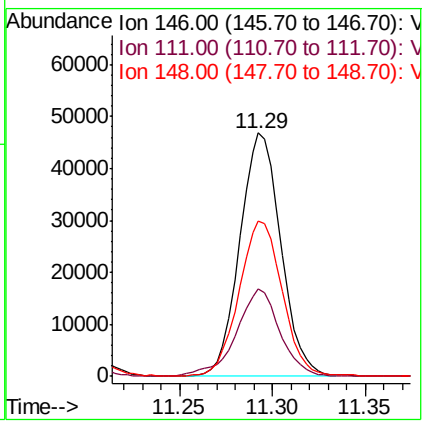


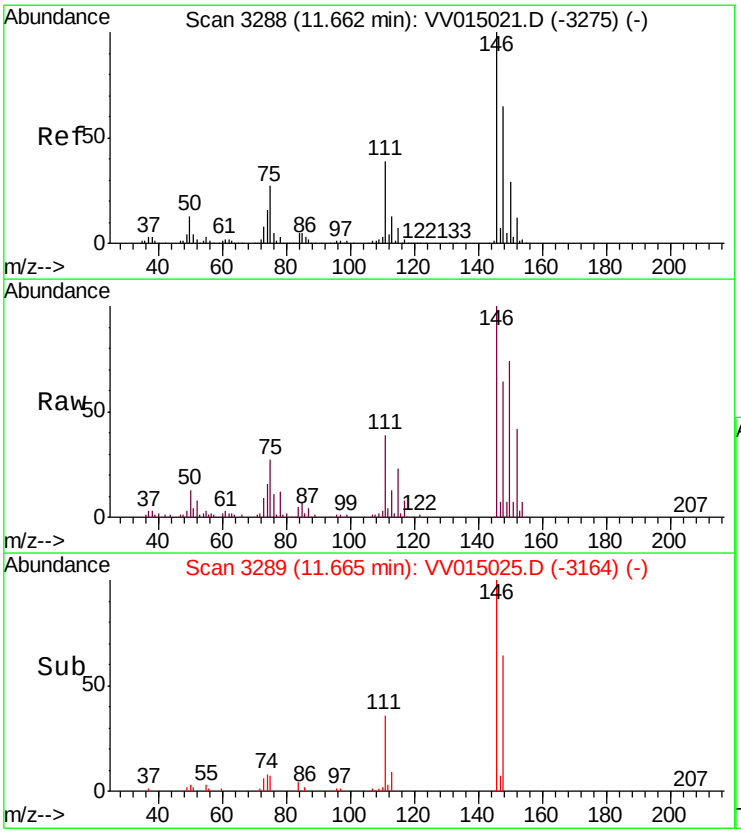

#63
1,4-Dichlorobenzene
Concen: 13.960 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. -0.00 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0DB4DL

Tgt Ion:146 Resp: 71999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.7 | 25.8 | 48.0 |
| 148 | 63.9 | 45.7 | 84.9 |

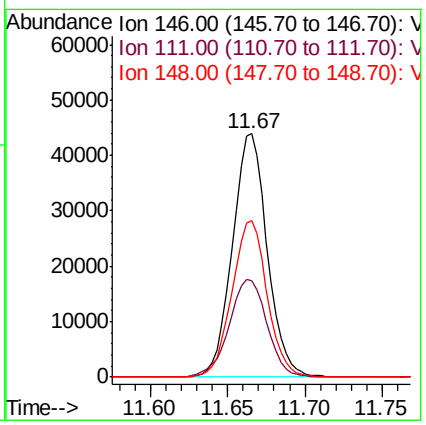


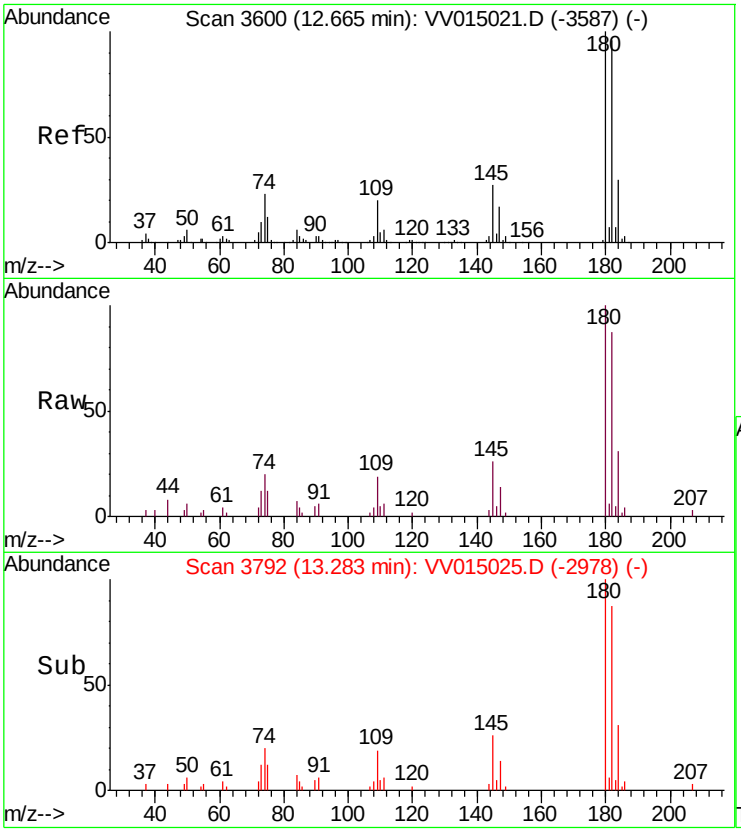




#65
1,2-Dichlorobenzene
Concen: 13.015 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. 0.00 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

Tgt Ion:146 Resp: 68496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.4 | 31.5 | 47.3 |
| 148 | 64.4 | 51.7 | 77.5 |



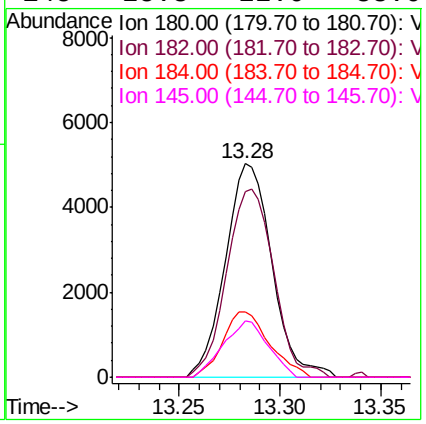


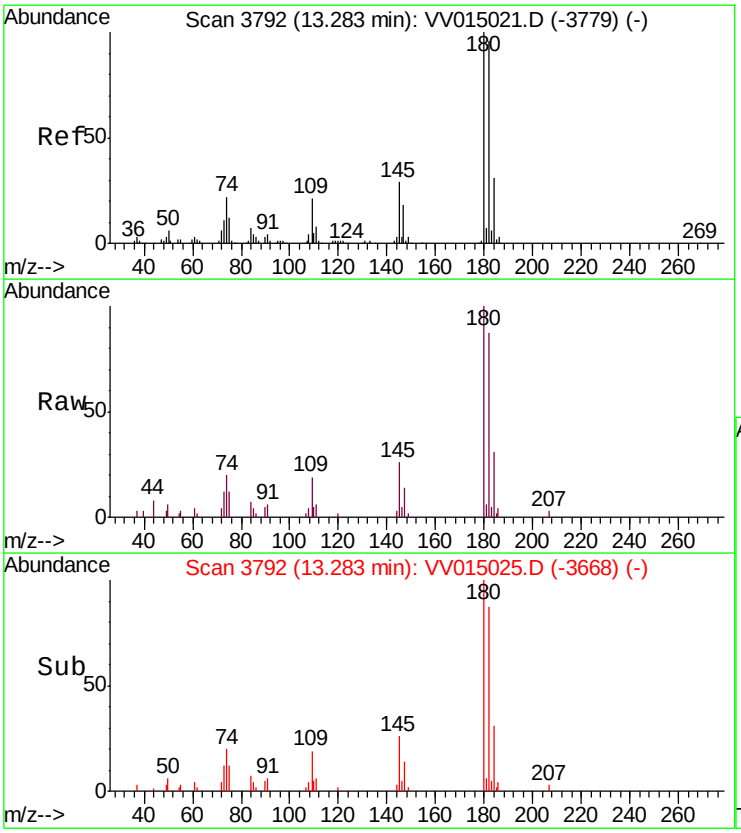

#67
1,3,5-Trichlorobenzene
Concen: 2.080 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. 0.62 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0DB4DL

Tgt Ion:180 Resp: 8155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 88.8 | 75.2 | 112.8 |
| 184 | 30.7 | 23.9 | 35.9 |
| 145 | 25.3 | 22.0 | 33.0 |

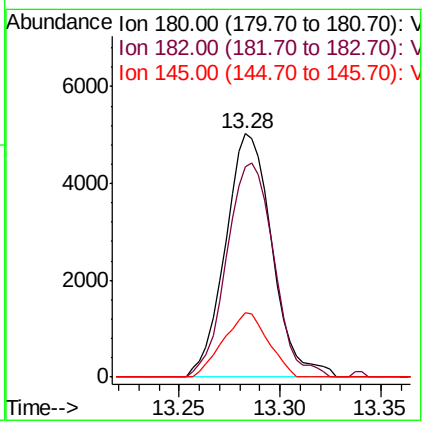


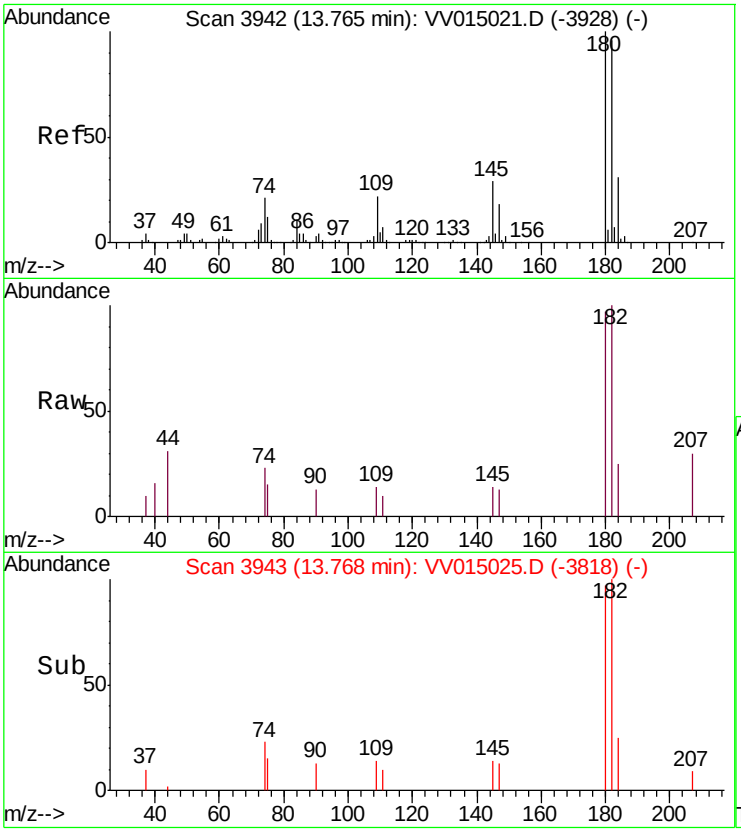




#68
1,2,4-trichlorobenzene
Concen: 2.259 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. -0.00 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

Tgt Ion:180 Resp: 8155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 88.8 | 76.3 | 114.5 |
| 145 | 25.3 | 22.2 | 33.4 |






#70
1,2,3-Trichlorobenzene
Concen: 0.452 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV015025.D
Acq: 18 Mar 2020 20:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0DB4DL

Tgt Ion:180 Resp: 1603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 87.1 | 75.5 | 113.3 |
| 145 | 16.9 | 23.5 | 35.3# |