Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031220\
Data File : VV014890.D
Acq On : 13 Mar 2020 00:18
Operator : SY/MD
Sample : L1890-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Mar 13 04:14:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 13 04:10:22 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 372425 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 358031 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 169927 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 99754 | 39.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 79.16% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 82150 | 41.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 82.46% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 130029 | 31.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 62.10% | | | |
| 21) 2-Butanone-d5 | 3.93 | 46 | 148389 | 78.94 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 78.94% | | | |
| 24) Chloroform-d | 4.38 | 84 | 228221 | 47.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.64% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 157252 | 48.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 97.02% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 467139 | 49.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.84% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.10 | 67 | 142204 | 45.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 90.76% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 434384 | 46.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 93.84% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 57964 | 37.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 75.78% | | | |
| 47) 2-Hexanone-d5 | 8.12 | 63 | 140733 | 101.16 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 101.16% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 201592 | 46.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.54% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 178374 | 52.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.92% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 18) Methyl tert-butyl Ether | 2.79 | 73 | 12867 | 1.572 | ug/L | 96 |
| 25) Chloroform | 4.40 | 83 | 3684 | 0.728 | ug/L | 82 |
| 33) Benzene | 5.13 | 78 | 31833 | 3.069 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.01 | 75 | 3561 | 0.811 | ug/L # | 71 |
| 48) 2-Hexanone | 8.12 | 43 | 15500 | 4.852 | ug/L # | 76 |
| 51) Chlorobenzene | 8.90 | 112 | 25747 | 3.497 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 11.27 | 75 | 19309 | 5.394 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.29 | 146 | 10152 | 1.834 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.67 | 146 | 8005 | 1.463 | ug/L | 91 |

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

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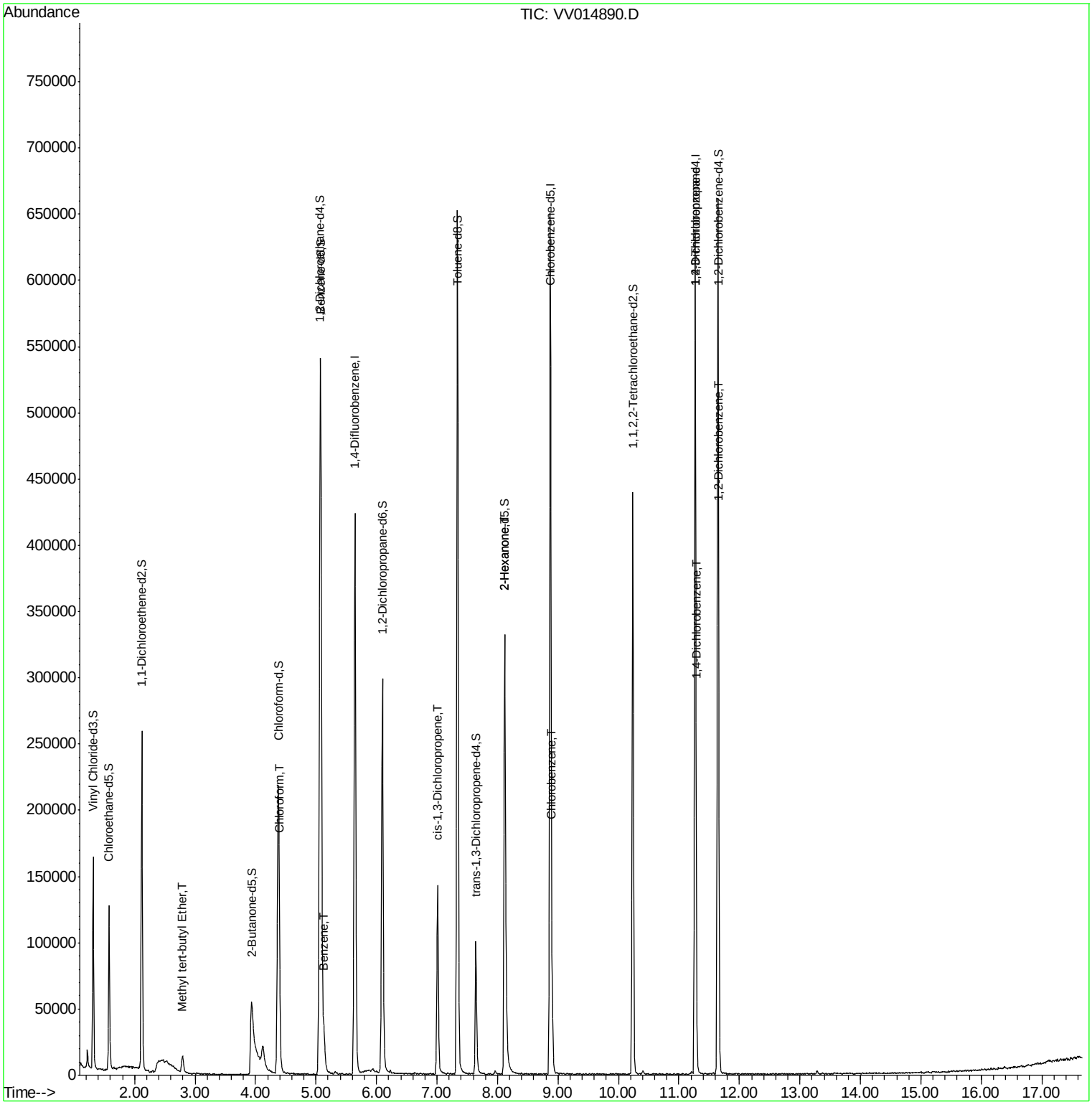
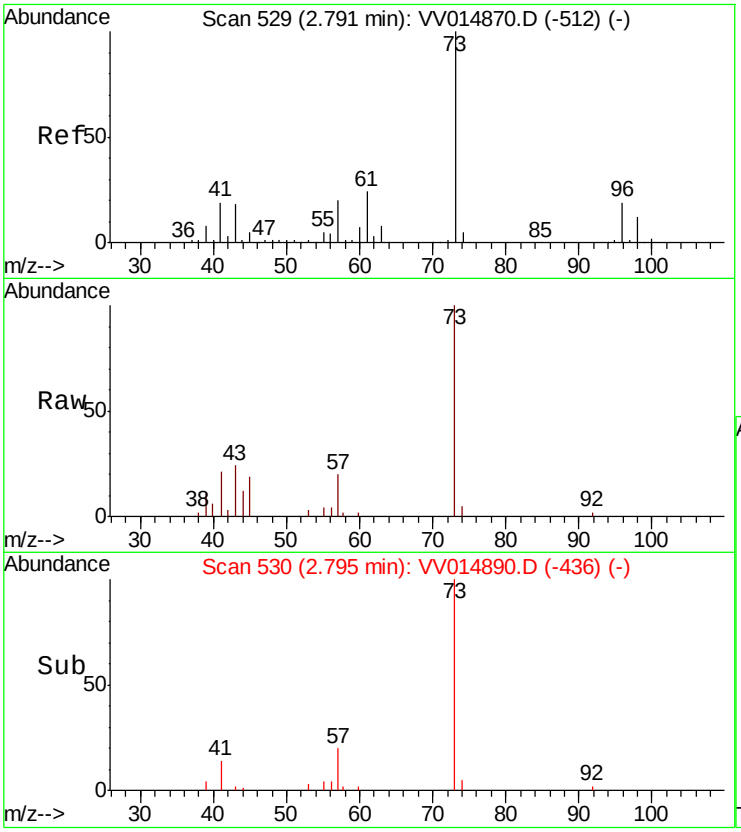
Acq On : 13 Mar 2020 00:18
Operator : SY/MD
Sample : L1890-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Mar 13 04:14:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 13 04:10:22 2020
Response via : Initial Calibration



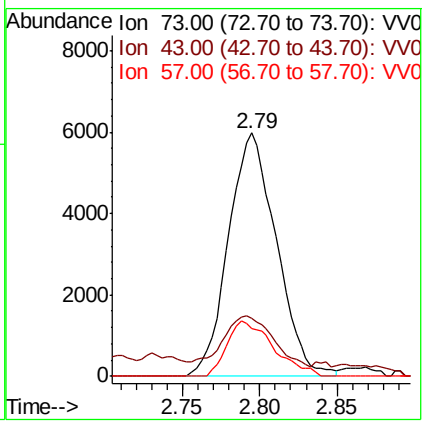


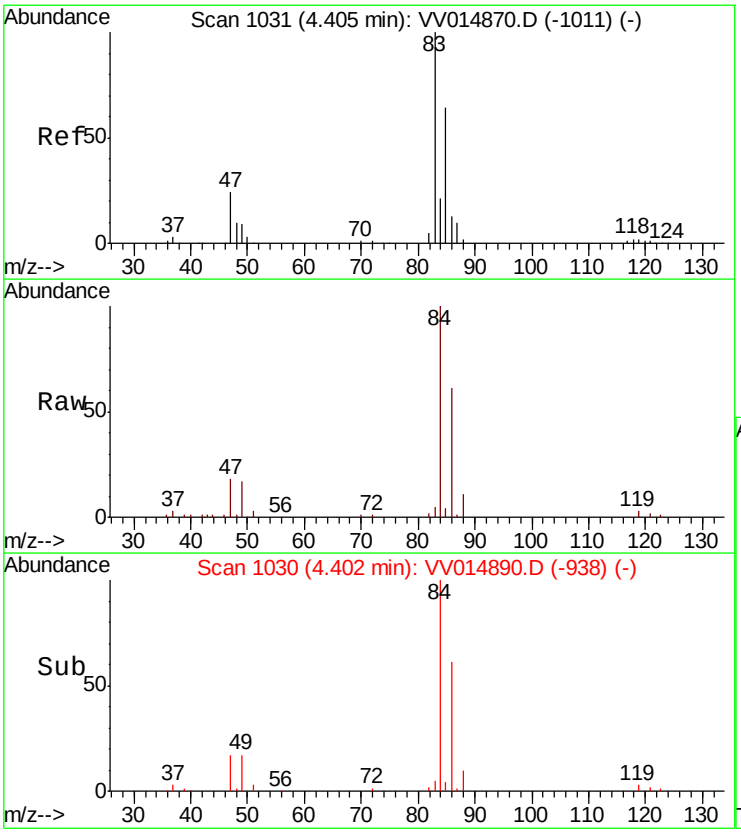

#18
Methyl tert-butyl Ether
Concen: 1.572 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

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

Tgt Ion: 73 Resp: 12867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 22.0 | 15.9 | 23.9 |
| 57 | 21.2 | 18.0 | 27.0 |

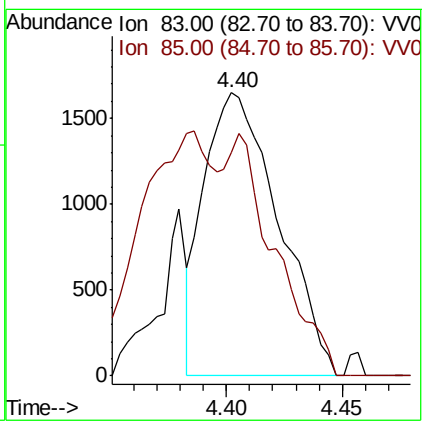


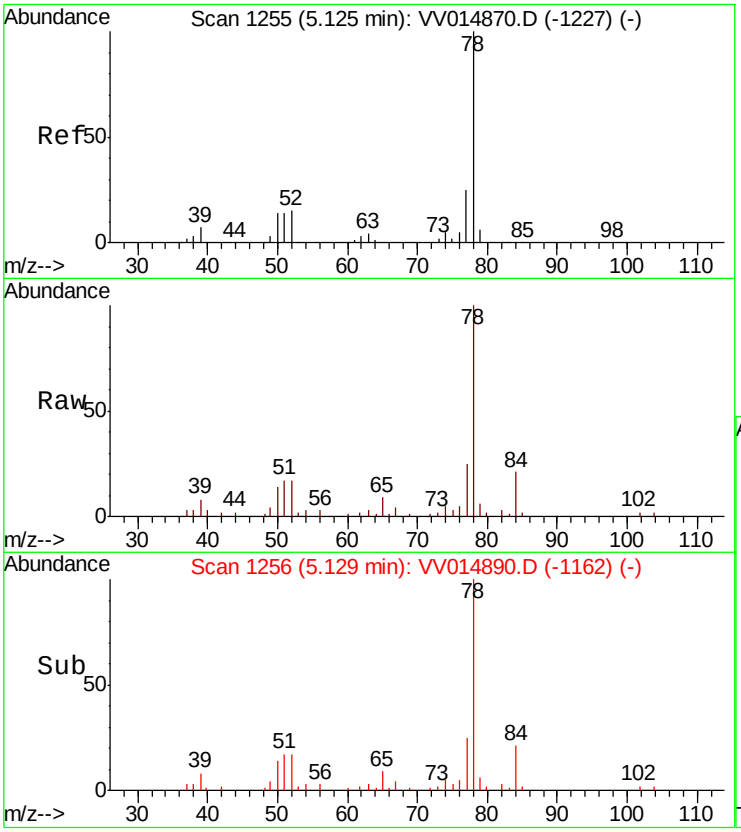




#25
Chloroform
Concen: 0.728 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

Tgt Ion: 83 Resp: 3684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 79.0 | 45.1 | 83.9 |

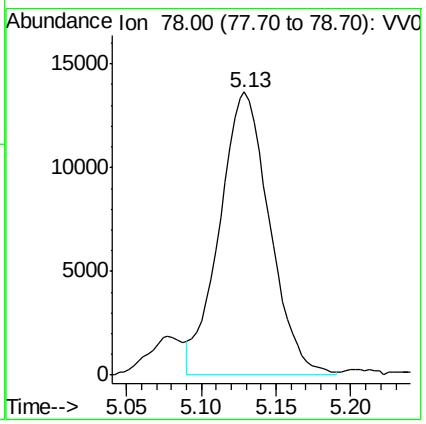


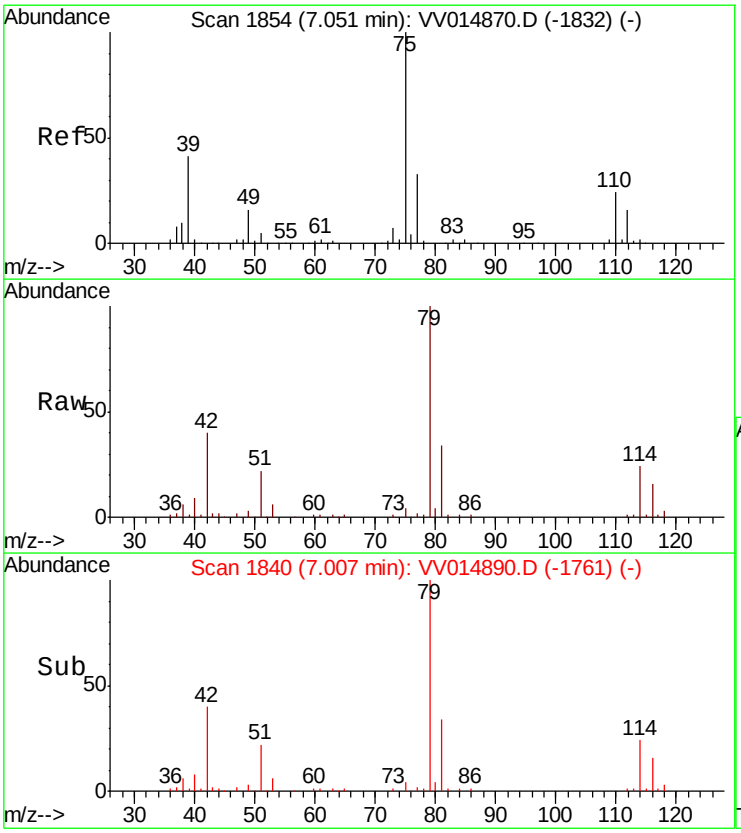



#33
Benzene
Concen: 3.069 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

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

Tgt Ion: 78 Resp: 31833

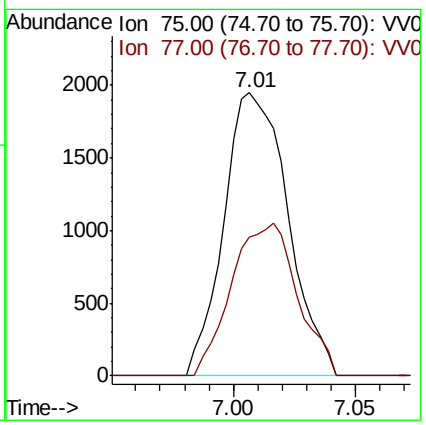


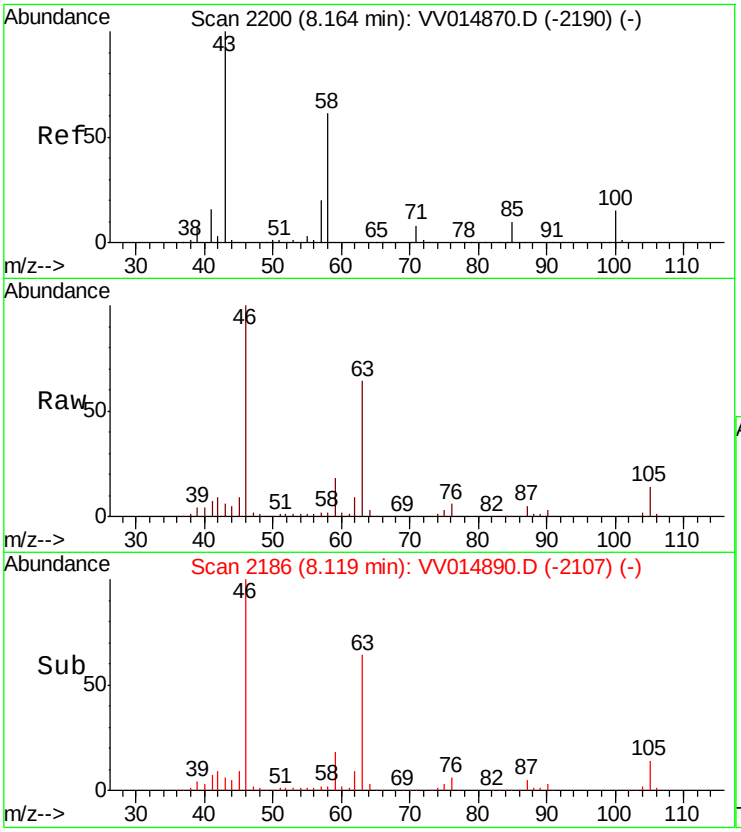




#39
cis-1,3-Dichloropropene
Concen: 0.811 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

Tgt Ion: 75 Resp: 3561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 48.9 | 22.8 | 42.4# |



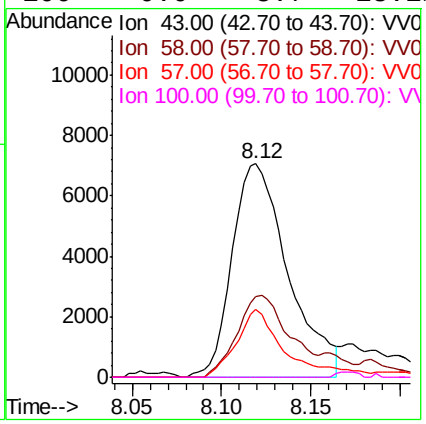


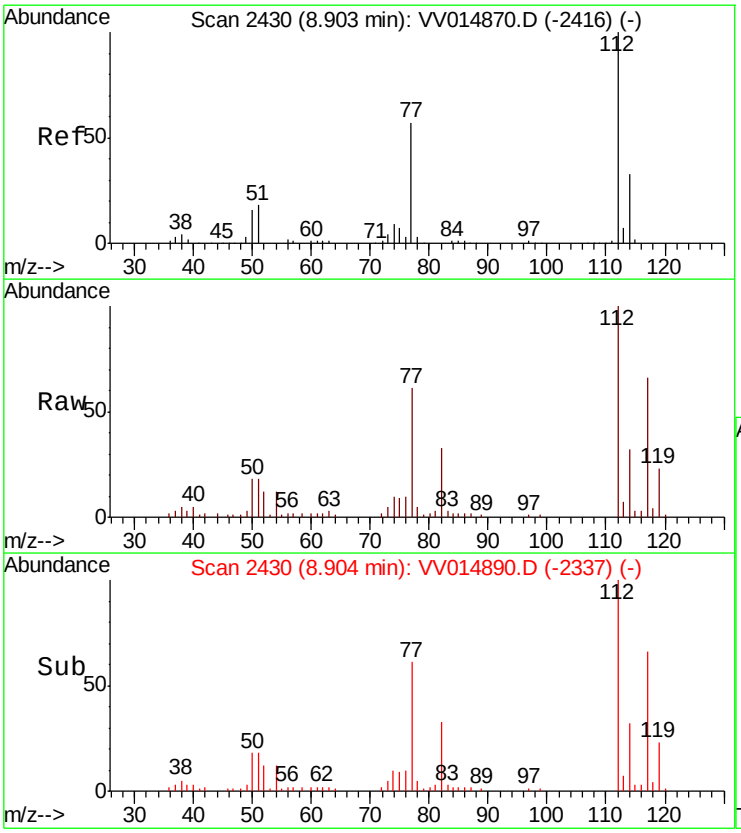

#48
2-Hexanone
Concen: 4.852 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.04 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

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

Tgt Ion: 43 Resp: 15500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.9 | 43.3 | 64.9# |
| 57 | 27.6 | 15.6 | 23.4# |
| 100 | 0.0 | 8.7 | 13.1# |

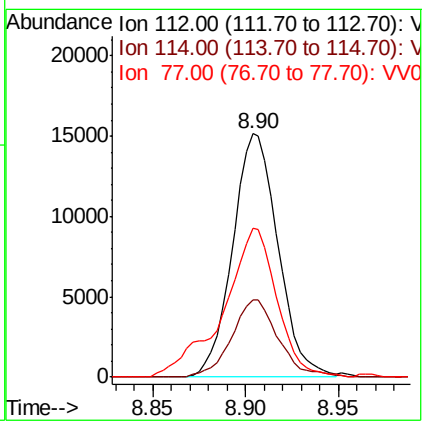


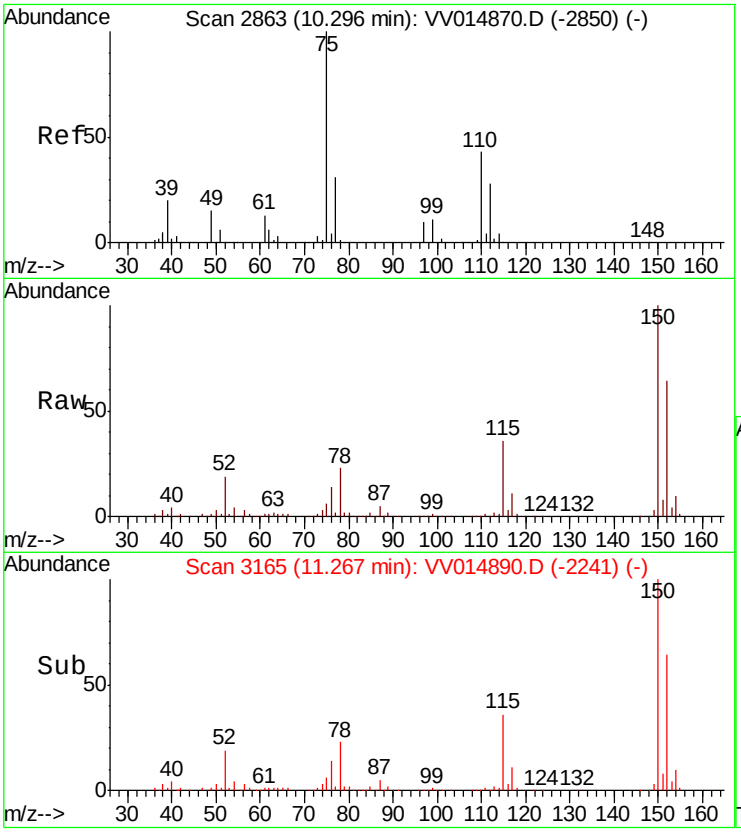




#51
Chlorobenzene
Concen: 3.497 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

Tgt Ion:112 Resp: 25747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 22.1 | 41.1 |
| 77 | 61.1 | 47.8 | 71.8 |



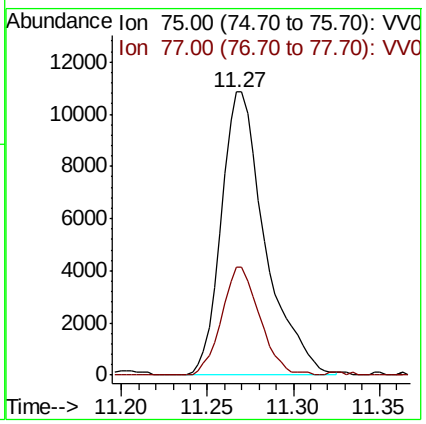


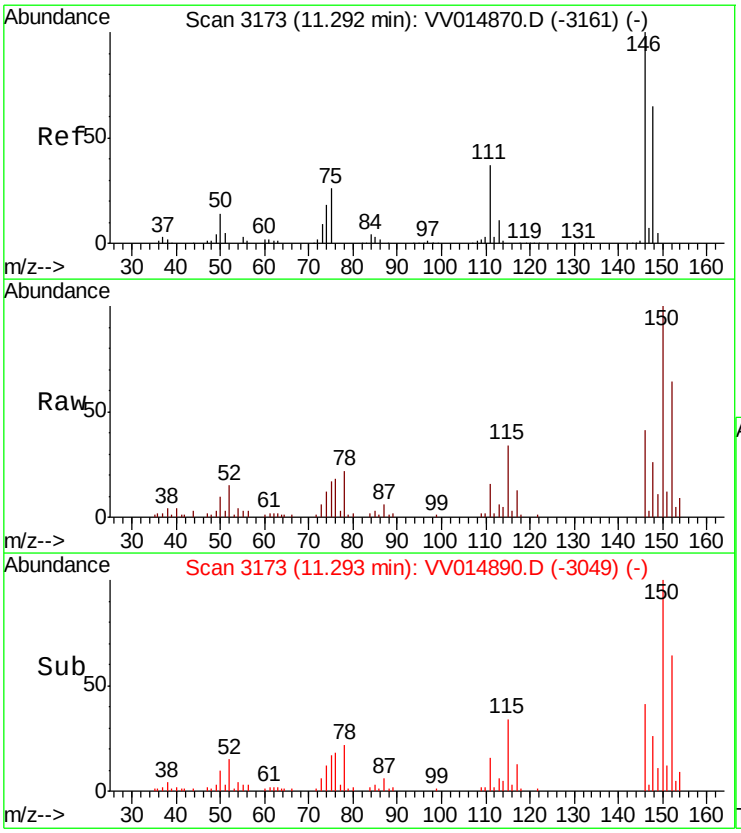

#59
1,2,3-Trichloropropane
Concen: 5.394 ug/L
RT: 11.27 min Scan# 3165
Delta R.T. 0.97 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

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

Tgt Ion: 75 Resp: 19309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 25.6 | 38.4 |

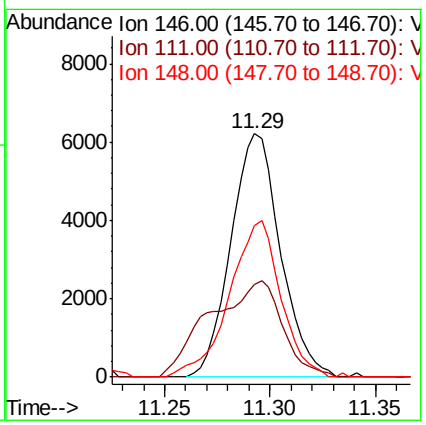


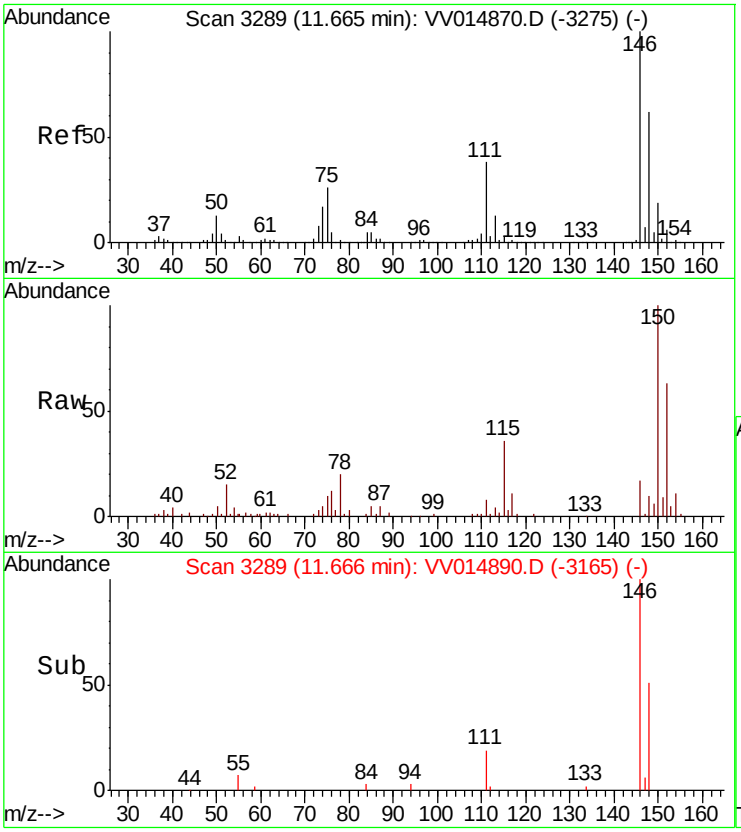




#63
1,4-Dichlorobenzene
Concen: 1.834 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

Tgt Ion:146 Resp: 10152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.2 | 26.3 | 48.9 |
| 148 | 62.1 | 44.0 | 81.8 |






#65
1,2-Dichlorobenzene
Concen: 1.463 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. 0.00 min
Lab File: VV014890.D
Acq: 13 Mar 2020 00:18

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

Tgt Ion:146 Resp: 8005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.1 | 33.9 | 50.9 |
| 148 | 57.0 | 51.4 | 77.0 |