Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042720\
Data File : VV015722.D
Acq On : 27 Apr 2020 12:28
Operator : SY/MD
Sample : L2413-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 28 02:19:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 28 02:16:08 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 142222 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 138510 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 64834 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 27382 | 3.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 73.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 29984 | 4.19 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 83.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 46839 | 2.88 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 57.60%# | | | |
| 20) 2-Butanone-d5 | 3.91 | 46 | 117632 | 49.29 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 98.58% | | | |
| 24) Chloroform-d | 4.38 | 84 | 75705 | 4.37 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 45130 | 4.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.20% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 145672 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 88.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 48017 | 4.55 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 91.00% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 130049 | 4.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 82.80% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 16365 | 4.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 80.00% | | | |
| 46) 2-Hexanone-d5 | 8.11 | 63 | 83980 | 42.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 84.32% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 35894 | 4.56 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 91.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 53363 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 96.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.32 | 62 | 33842 | 3.007 | ug/L | 99 |
| 8) Chloroethane | 1.38 | 64 | 36031 | 4.874 | ug/L # | 51 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 768 | 0.093 | ug/L # | 1 |
| 14) Carbon disulfide | 2.31 | 76 | 1085 | 0.046 | ug/L # | 75 |
| 17) Methyl tert-butyl Ether | 2.79 | 73 | 4679 | 0.201 | ug/L # | 28 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 1502 | 0.162 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.94 | 96 | 30661 | 2.992 | ug/L | 94 |
| 25) Chloroform | 4.40 | 83 | 4897 | 0.253 | ug/L | 89 |
| 30) Cyclohexane | 4.70 | 56 | 1970 | 0.117 | ug/L # | 87 |
| 34) Trichloroethene | 5.94 | 95 | 2122 | 0.194 | ug/L | 96 |
| 37) 1,2-Dichloropropane | 6.09 | 63 | 6160 | 0.612 | ug/L # | 86 |
| 39) cis-1,3-Dichloropropene | 7.01 | 75 | 1584 | 0.113 | ug/L # | 80 |
| 44) trans-1,3-Dichloropropene | 7.65 | 75 | 819 | 0.070 | ug/L | 84 |
| 48) 2-Hexanone | 8.16 | 43 | 4774 | 1.025 | ug/L # | 87 |

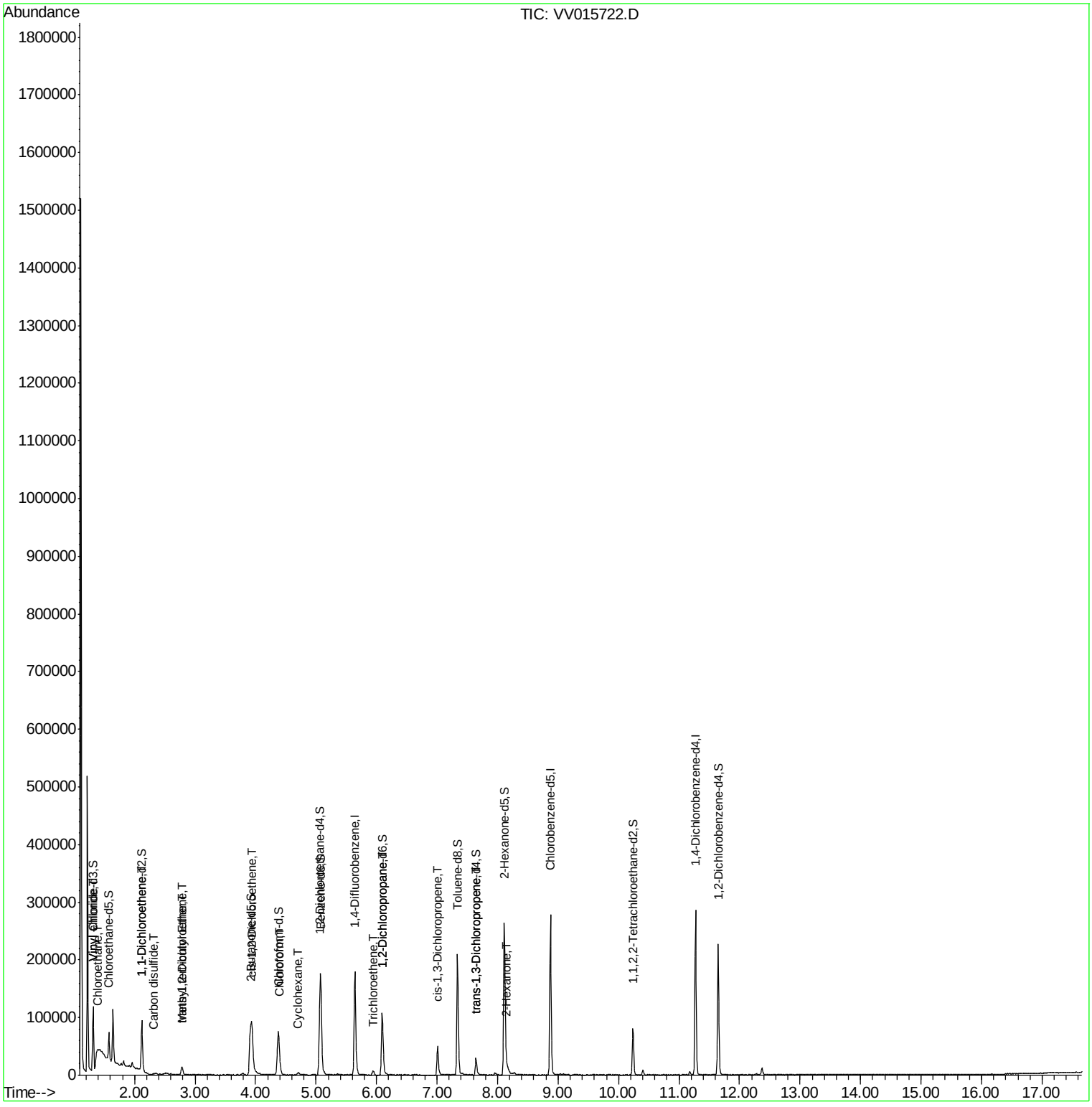
(#) = qualifier out of range (m) = manual integration (+) = signals summed

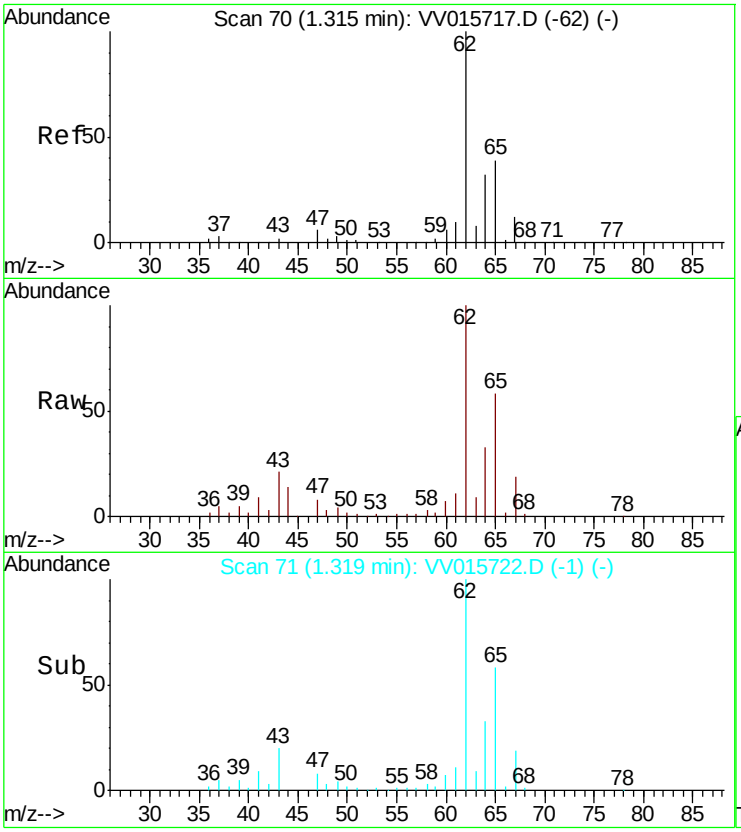
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042720\
Data File : VV015722.D
Acq On : 27 Apr 2020 12:28
Operator : SY/MD
Sample : L2413-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 28 02:19:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 28 02:16:08 2020
Response via : Initial Calibration



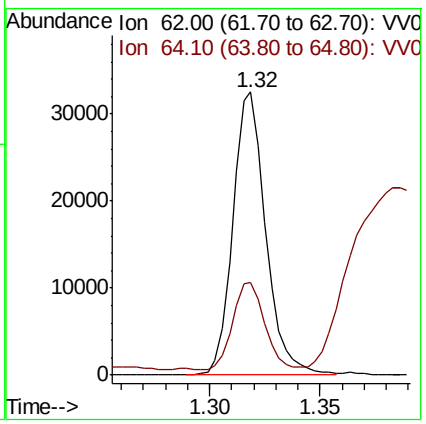


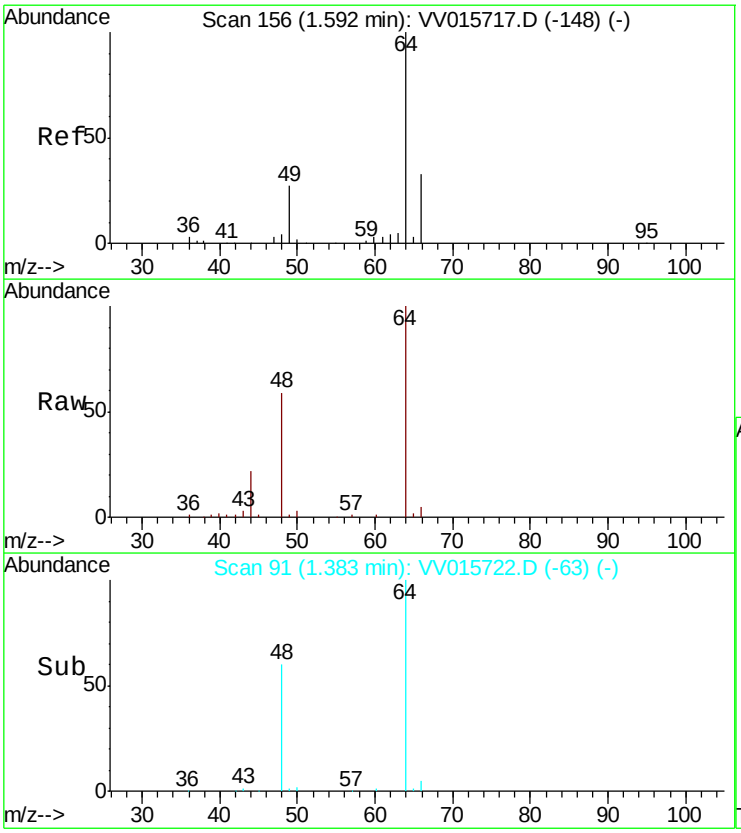

#5
Vinyl chloride
Concen: 3.007 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

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

Tgt Ion: 62 Resp: 33842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.9 | 22.7 | 42.1 |

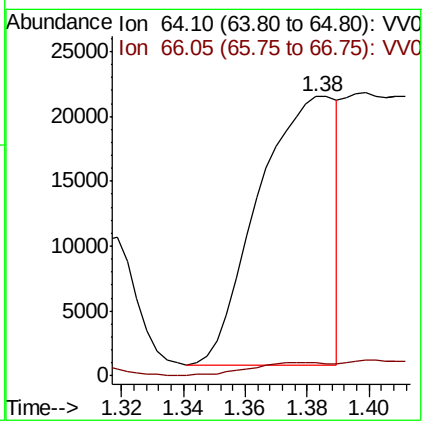


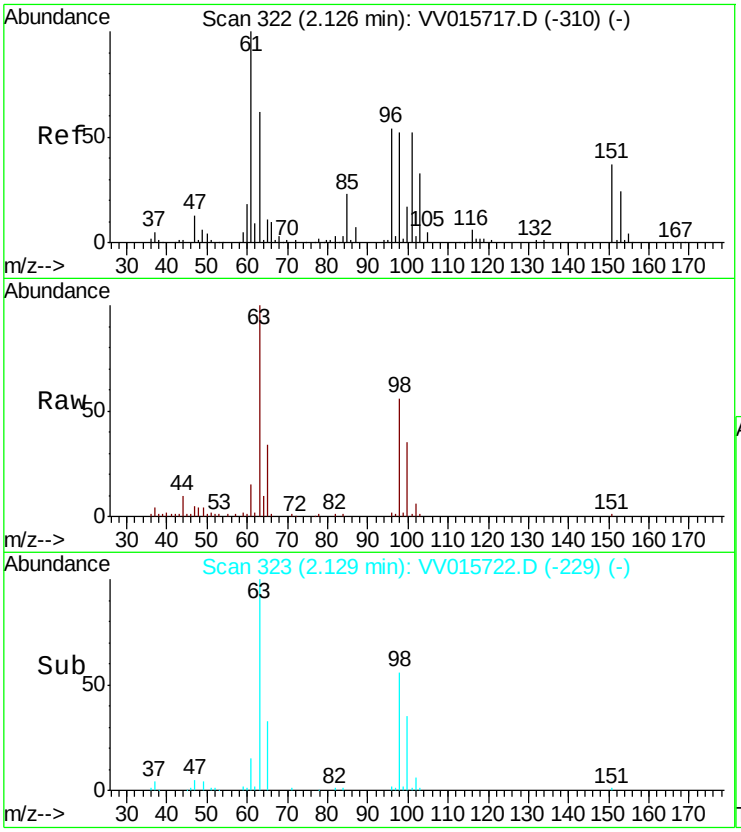




#8
Chloroethane
Concen: 4.874 ug/L
RT: 1.38 min Scan# 91
Delta R.T. -0.21 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

Tgt Ion: 64 Resp: 36031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 4.6 | 22.3 | 41.5# |



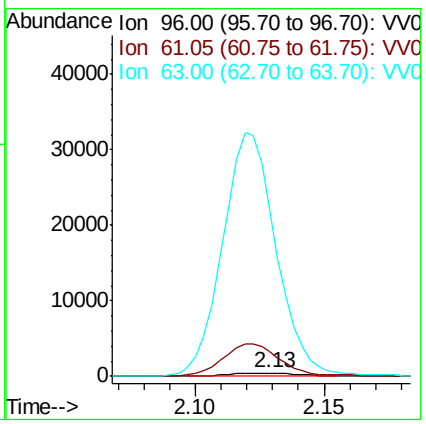


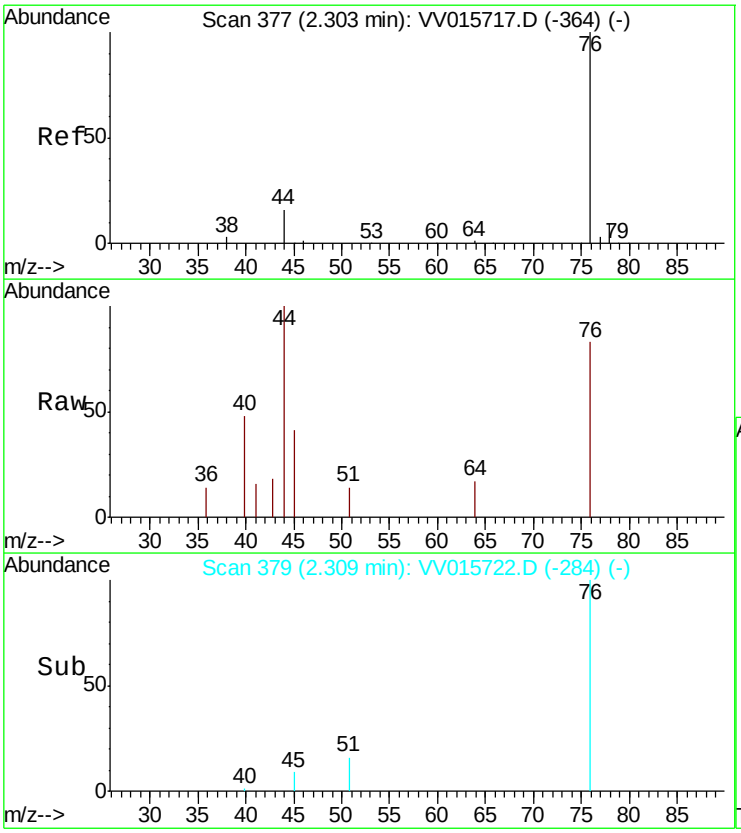

#12
1,1-Dichloroethene
Concen: 0.093 ug/L
RT: 2.13 min Scan# 323
Delta R.T. 0.00 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

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

Tgt Ion: 96 Resp: 768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 807.7 | 130.1 | 241.7# |
| 63 | 5473.0 | 91.4 | 169.8# |

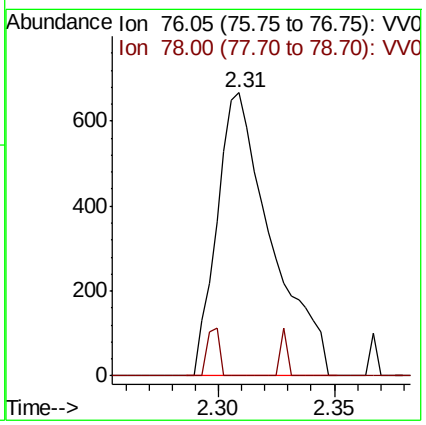


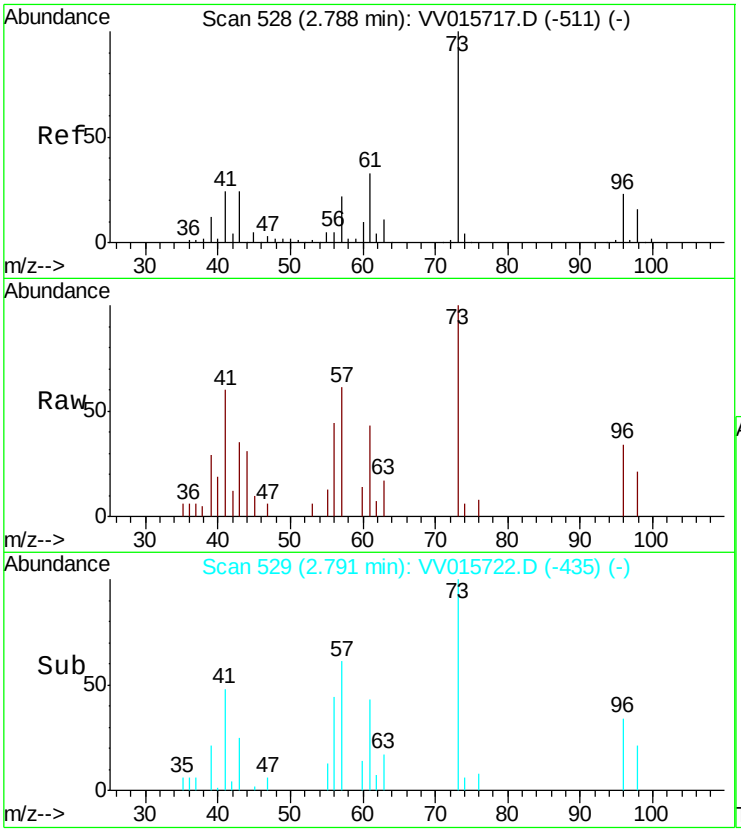




#14
Carbon disulfide
Concen: 0.046 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.01 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

Tgt Ion: 76 Resp: 1085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 7.4 | 11.0# |



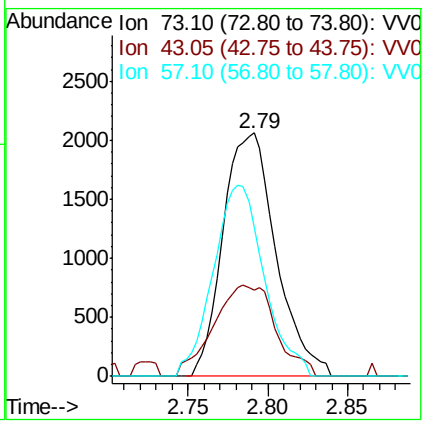


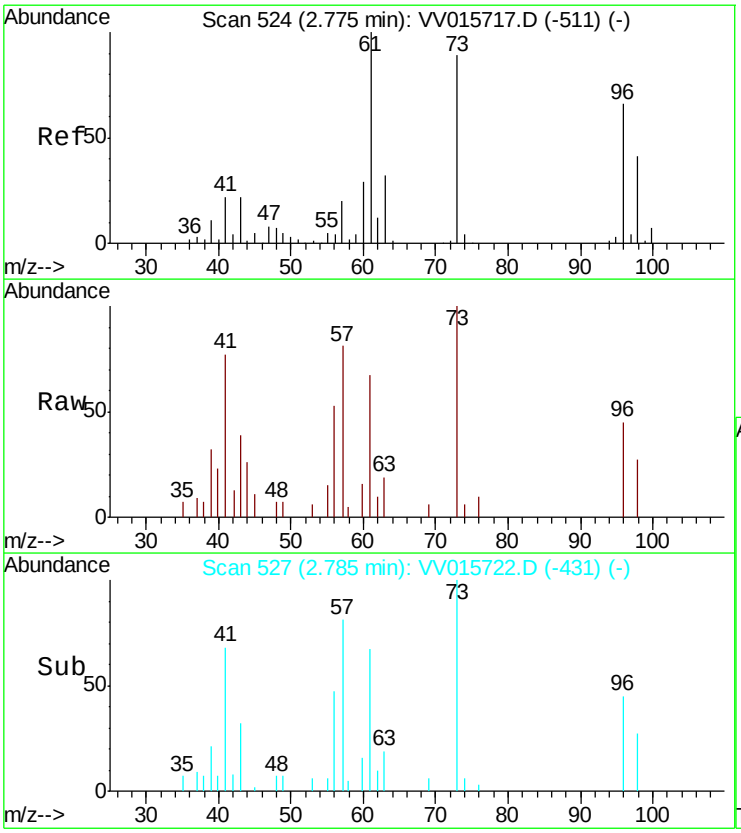

#17
Methyl tert-butyl Ether
Concen: 0.201 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

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

Tgt Ion: 73 Resp: 4679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 44.0 | 20.1 | 30.1# |
| 57 | 75.6 | 17.8 | 26.8# |

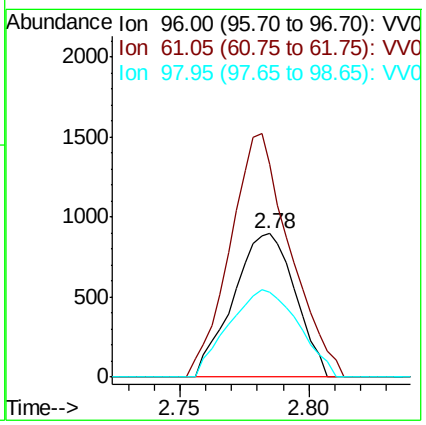


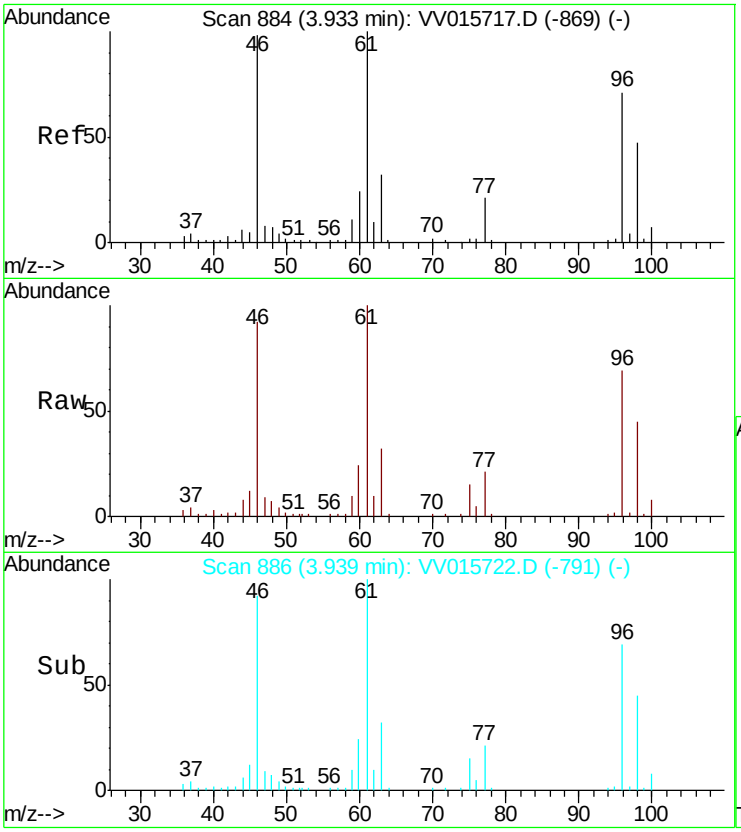




#18
trans-1,2-Dichloroethene
Concen: 0.162 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

Tgt Ion: 96 Resp: 1502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.6 | 105.5 | 195.9 |
| 98 | 59.4 | 44.2 | 82.0 |



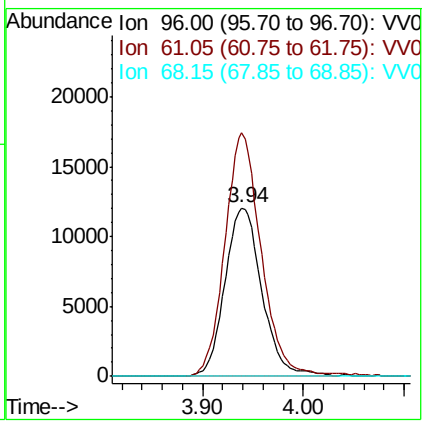


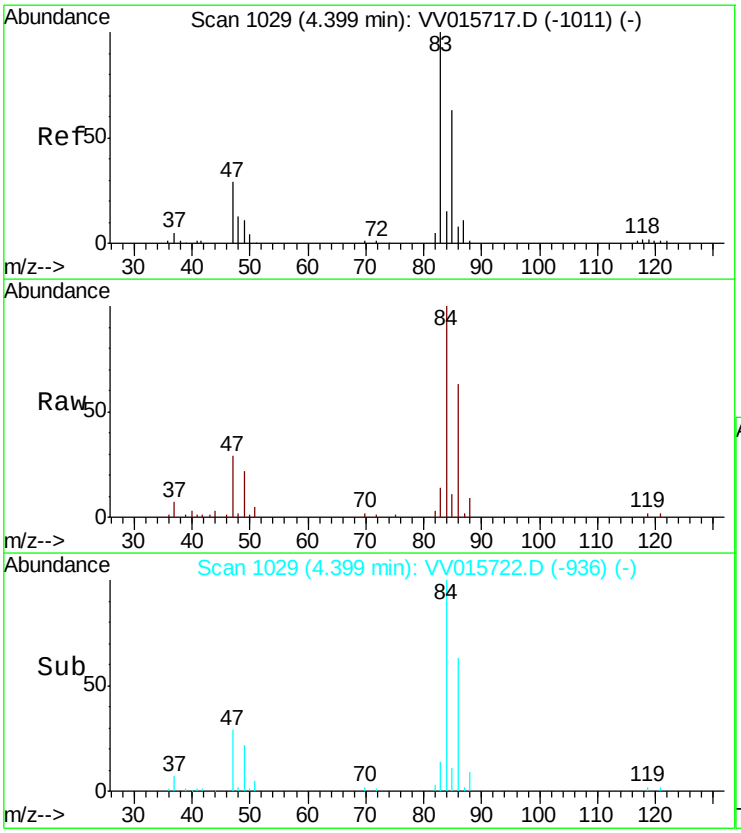

#22
cis-1,2-Dichloroethene
Concen: 2.992 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

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

Tgt Ion: 96 Resp: 30661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.7 | 96.4 | 179.0 |
| 68 | 0.0 | 0.0 | 0.0 |

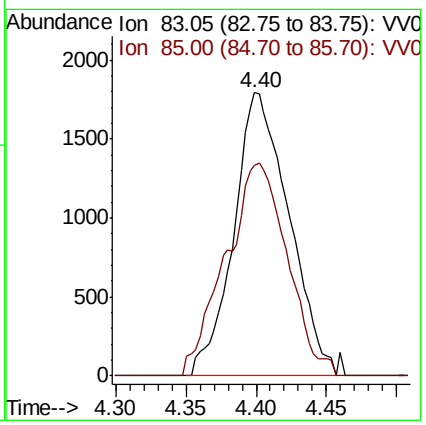


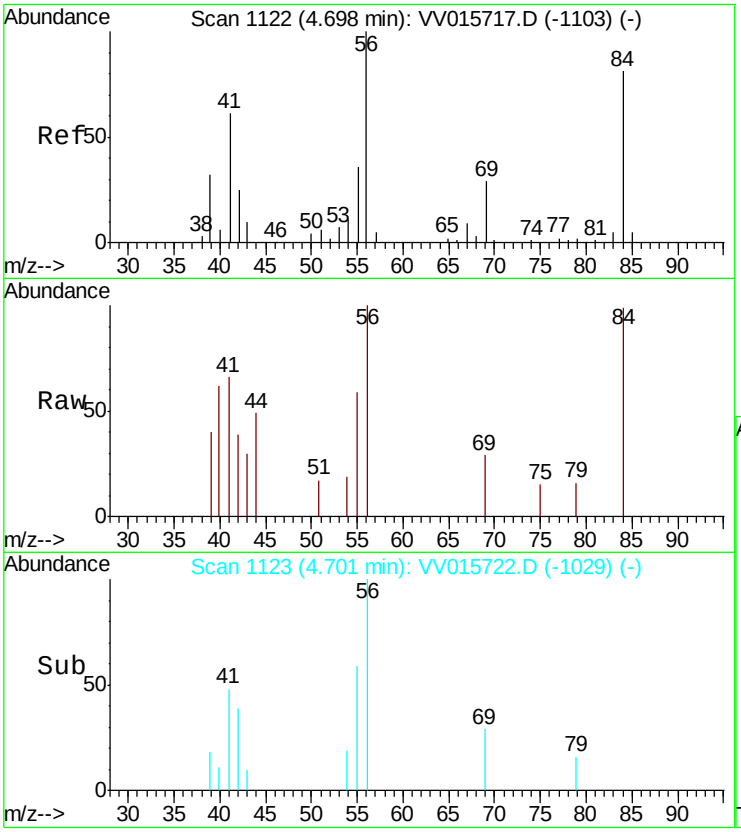




#25
Chloroform
Concen: 0.253 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

Tgt Ion: 83 Resp: 4897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 74.4 | 46.1 | 85.5 |



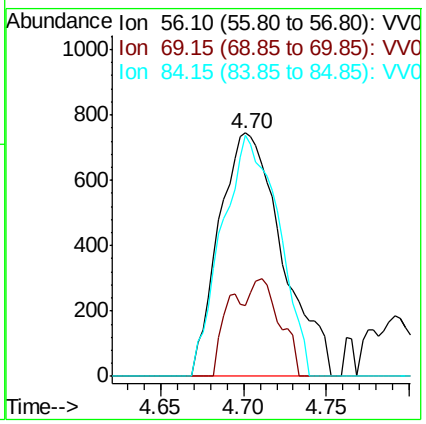


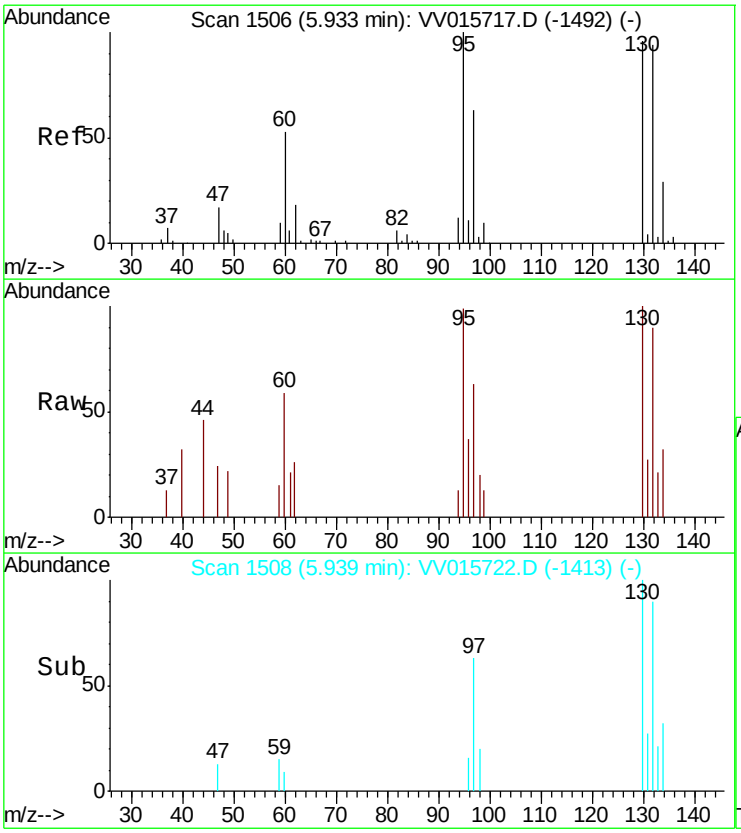

#30
Cyclohexane
Concen: 0.117 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

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

Tgt Ion: 56 Resp: 1970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 12.2 | 23.9 | 35.9# |
| 84 | 89.4 | 66.9 | 100.3 |

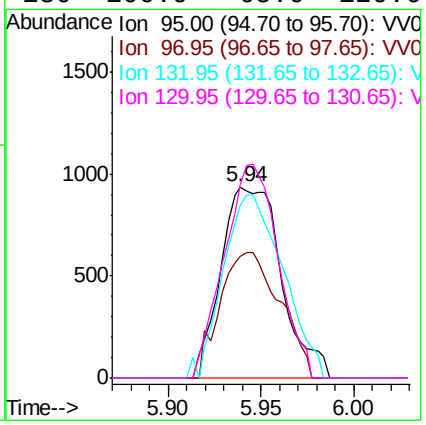


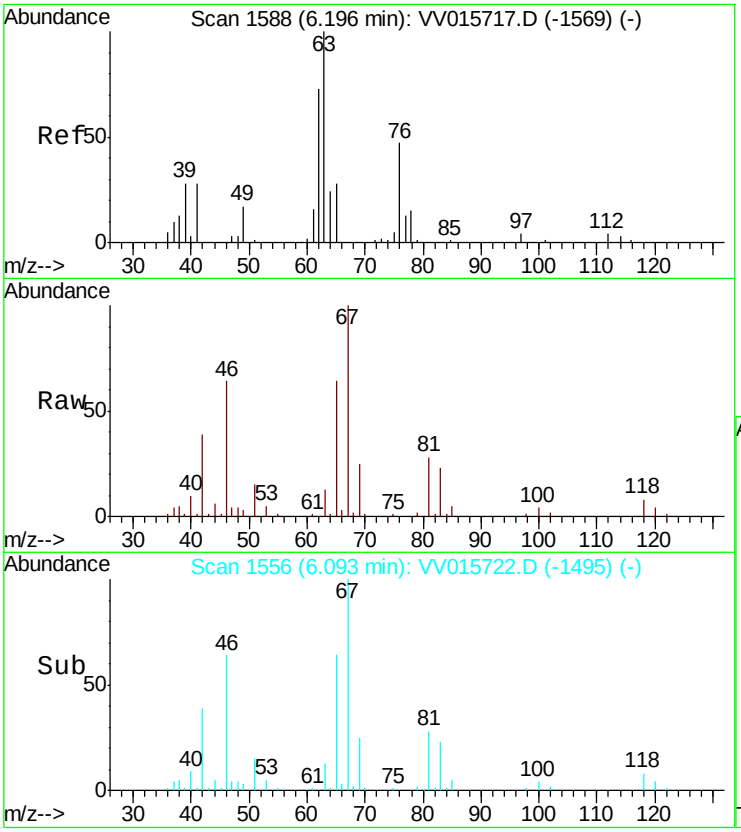




#34
Trichloroethene
Concen: 0.194 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

Tgt Ion: 95 Resp: 2122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.4 | 44.7 | 82.9 |
| 132 | 90.3 | 65.2 | 121.0 |
| 130 | 100.9 | 65.0 | 120.6 |



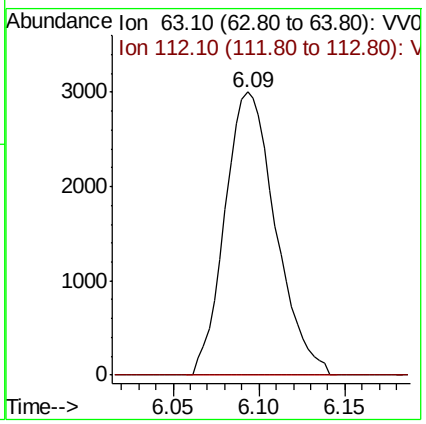


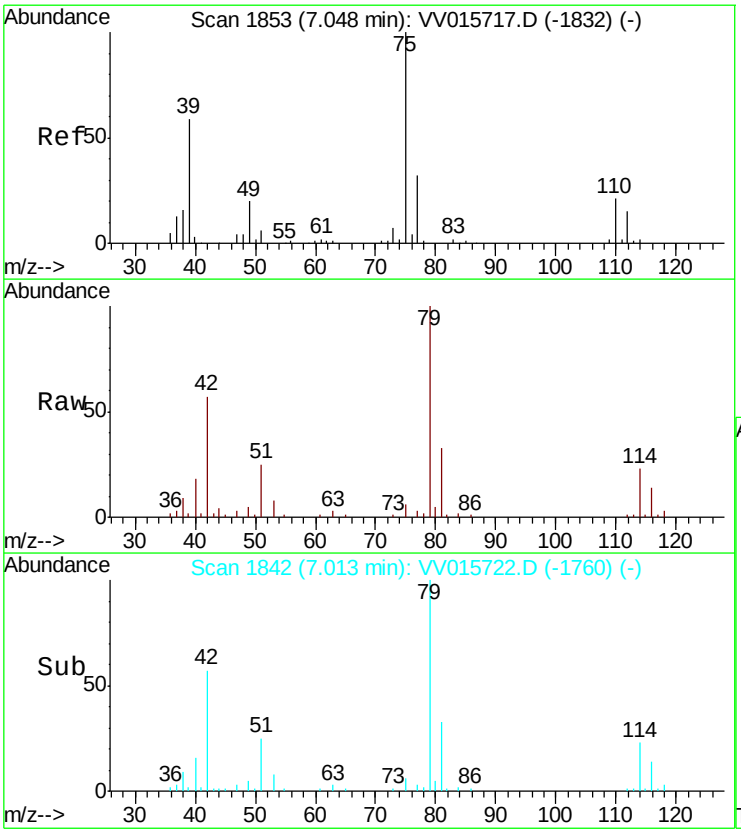

#37
1,2-Dichloropropane
Concen: 0.612 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

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

Tgt Ion: 63 Resp: 6160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.6 | 5.4# |

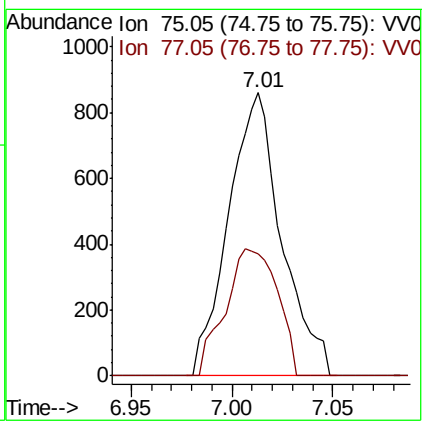


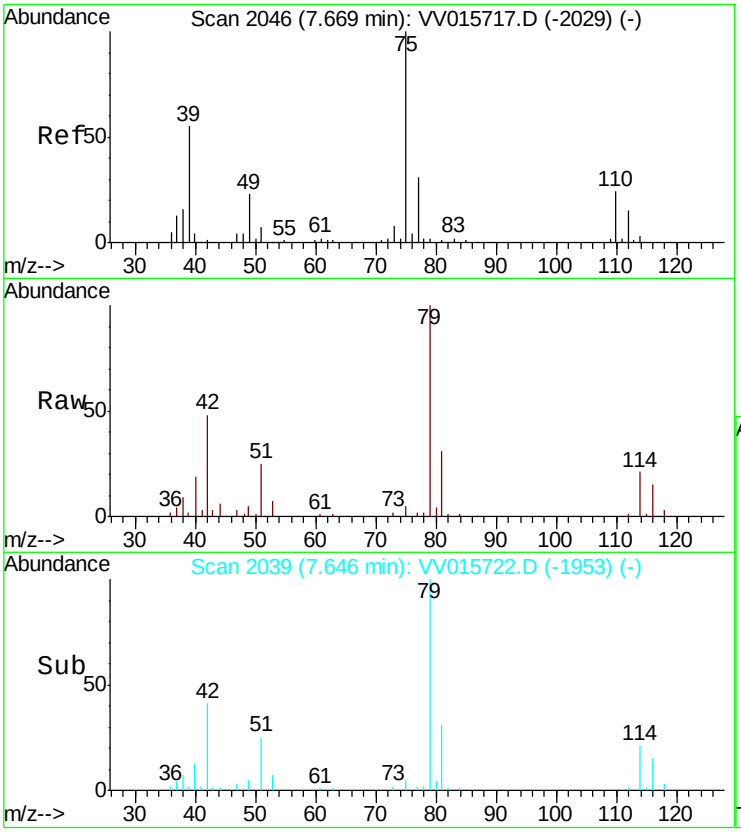




#39
cis-1,3-Dichloropropene
Concen: 0.113 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

Tgt Ion: 75 Resp: 1584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.0 | 22.3 | 41.5# |



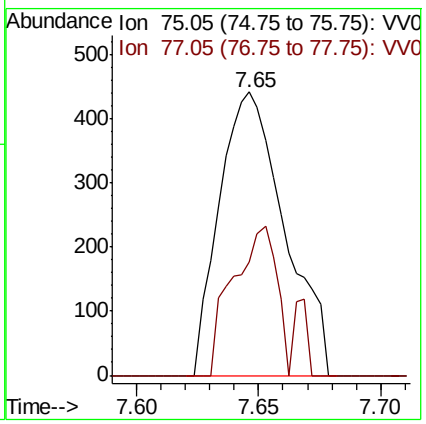


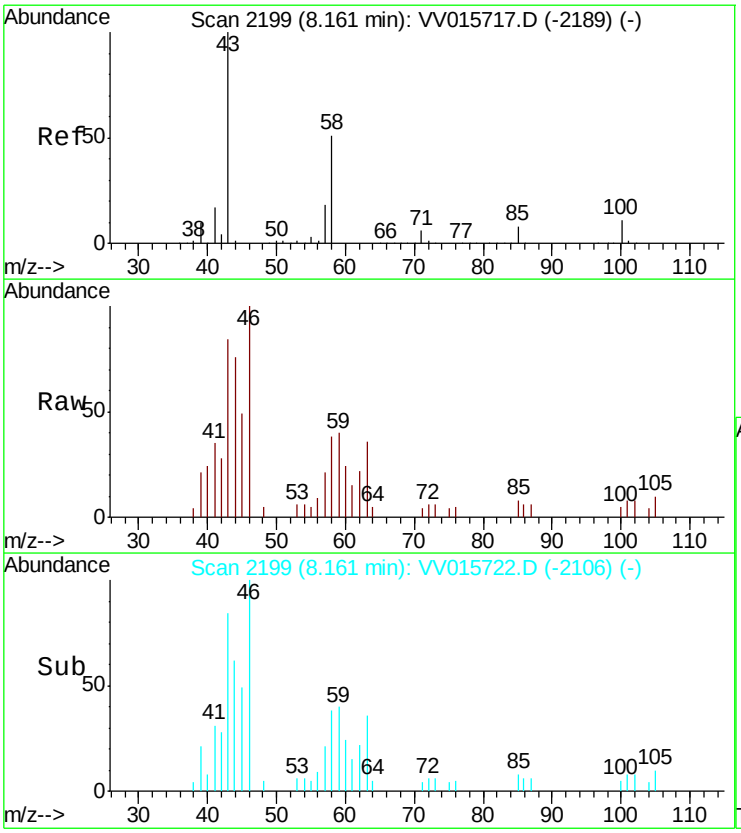

#44
trans-1,3-Dichloropropene
Concen: 0.070 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.02 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

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

Tgt Ion: 75 Resp: 819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.1 | 21.8 | 40.6 |




#48
2-Hexanone
Concen: 1.025 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015722.D
Acq: 27 Apr 2020 12:28

Tgt Ion: 43 Resp: 4774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.5 | 41.1 | 61.7# |
| 57 | 17.1 | 15.0 | 22.4 |
| 100 | 8.1 | 9.0 | 13.4# |