Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012420\

Quantitation Report (Not Reviewed)

Data File : VV014392.D
Acq On : 24 Jan 2020 16:00
Operator : SY/MD
Sample : L1253-02MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** H0AB0MS

Quant Time: Jan 25 00:23:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 25 00:18:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 957706 | 5.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 877775 | 5.00 | ug/L | | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 411370 | 5.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 206227 | 3.08 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 61.60% | | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 197770 | 3.82 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 76.40% | | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 356651 | 3.61 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 72.20% | | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 663734 | 41.23 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 82.46% | | | | |
| 24) Chloroform-d | 4.40 | 84 | 582739 | 4.50 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 90.00% | | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 274522 | 4.23 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 84.60% | | | | |
| 32) Benzene-d6 | 5.10 | 84 | 1080756 | 4.12 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 82.40% | | | | |
| 36) 1,2-Dichloropropane-d6 | 6.11 | 67 | 376095 | 4.63 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 92.60% | | | | |
| 41) Toluene-d8 | 7.36 | 98 | 873280 | 3.65 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 73.00% | | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 132837 | 3.70 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 74.00% | | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 793188 | 52.15 | ug/L | | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 104.30% | | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25 | 84 | 277915 | 4.89 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 97.80% | | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 338399 | 4.38 | ug/L | | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 87.60% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.25 | 50 | 5045 | 0.070 | ug/L | | 95 |
| 5) Vinyl chloride | 1.32 | 62 | 46437 | 0.693 | ug/L | | 92 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 221905 | 5.186 | ug/L | | 95 |
| 13) Acetone | 2.22 | 43 | 42846 | 3.865 | ug/L | | 53 |
| 14) Carbon disulfide | 2.32 | 76 | 194852 | 1.026 | ug/L | | 97 |
| 15) Methyl Acetate | 2.47 | 43 | 91560 | 3.548 | ug/L | | 95 |
| 16) Methylene chloride | 2.54 | 84 | 149625 | 2.148 | ug/L | | 90 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 43176 | 0.671 | ug/L | | 94 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 57698 | 0.458 | ug/L | | 99 |
| 21) 2-Butanone | 4.05 | 43 | 120510 | 7.247 | ug/L | | 85 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 7909840 | 112.190 | ug/L | # | 97 |
| 33) Benzene | 5.14 | 78 | 1488773 | 5.507 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 4814803 | 69.309 | ug/L | | 99 |
| 35) Methylcyclohexane | 6.11 | 83 | 85251 | 0.751 | ug/L | # | 18 |
| 37) 1,2-Dichloropropane | 6.11 | 63 | 39409 | 0.578 | ug/L | # | 89 |
| 42) Toluene | 7.43 | 91 | 1561398 | 5.472 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 7.66 | 75 | 7119 | 0.084 | ug/L | # | 82 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012420\

Quantitation Report (Not Reviewed)

Data File : VV014392.D
Acq On : 24 Jan 2020 16:00
Operator : SY/MD
Sample : L1253-02MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** H0AB0MS

Quant Time: Jan 25 00:23:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 25 00:18:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 11436 | 0.262 | ug/L | | 94 |
| 47) Tetrachloroethene | 8.02 | 164 | 27086 | 0.571 | ug/L | | 98 |
| 49) Dibromochloromethane | 8.02 | 129 | 26781 | 0.486 | ug/L | # | 10 |
| 51) Chlorobenzene | 8.92 | 112 | 939176 | 5.352 | ug/L | | 99 |
| 53) m,p-xylene | 9.18 | 106 | 9757 | 0.083 | ug/L | | 83 |

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

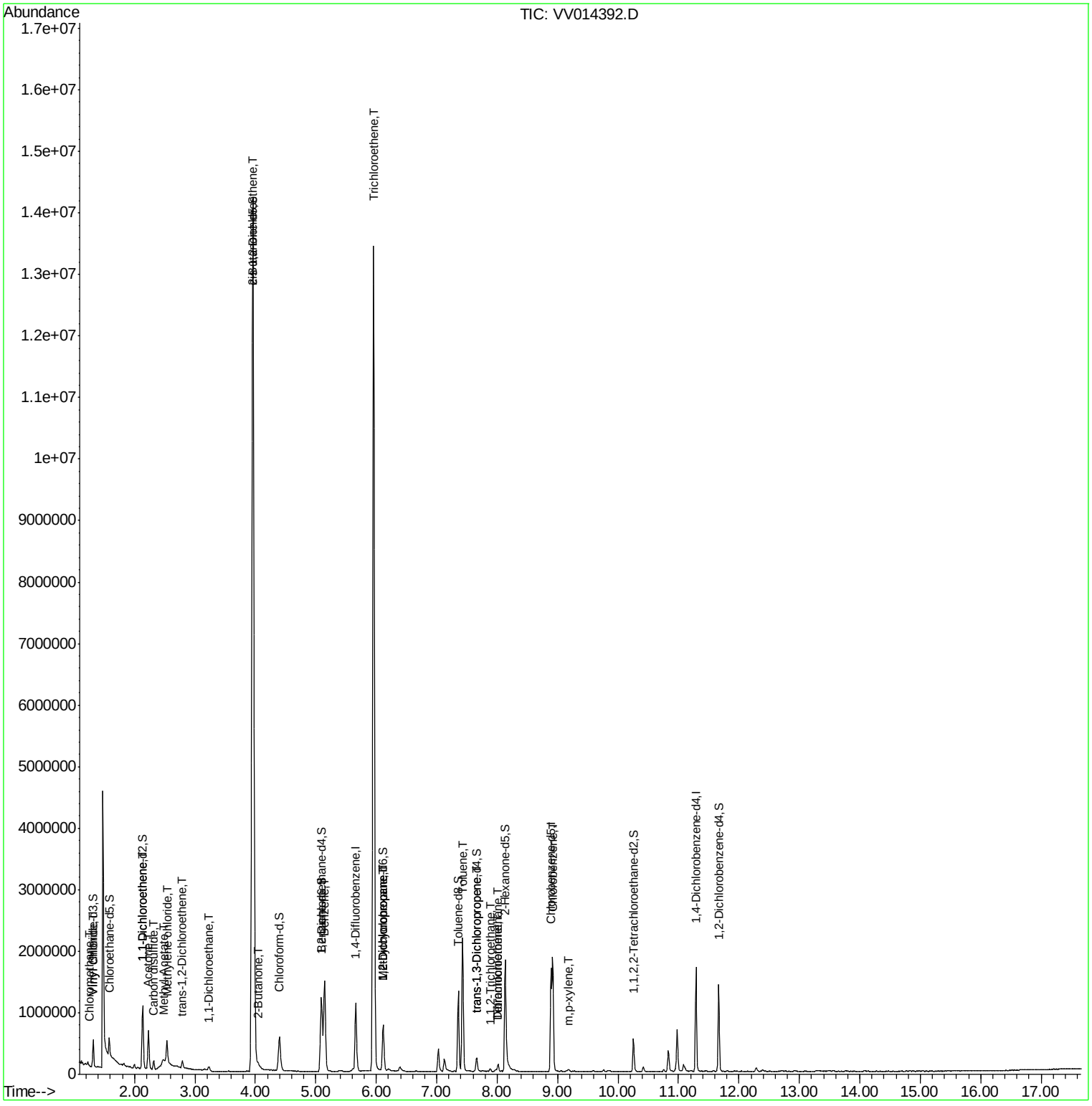
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012420\

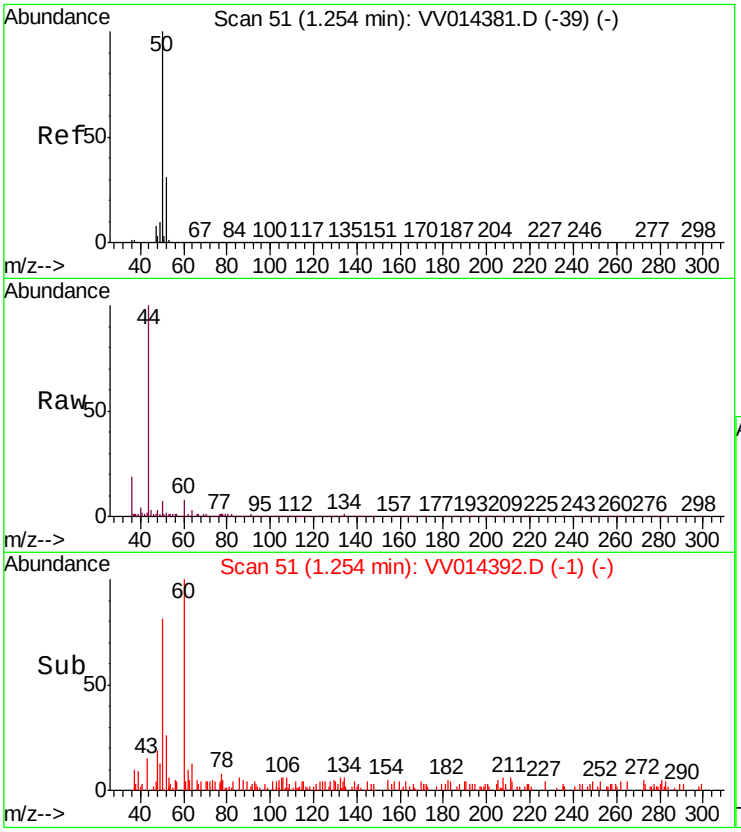
Quantitation Report (Not Reviewed)

Data File : VV014392.D
Acq On : 24 Jan 2020 16:00
Operator : SY/MD
Sample : L1253-02MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Quant Time: Jan 25 00:23:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 25 00:18:39 2020
Response via : Initial Calibration



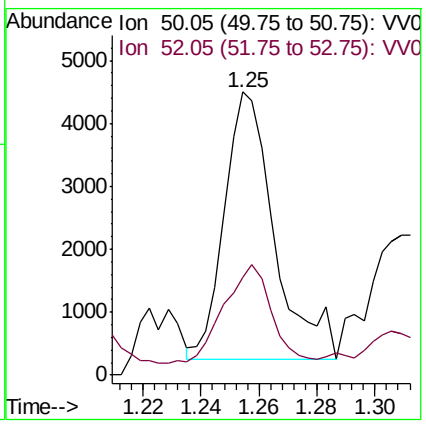


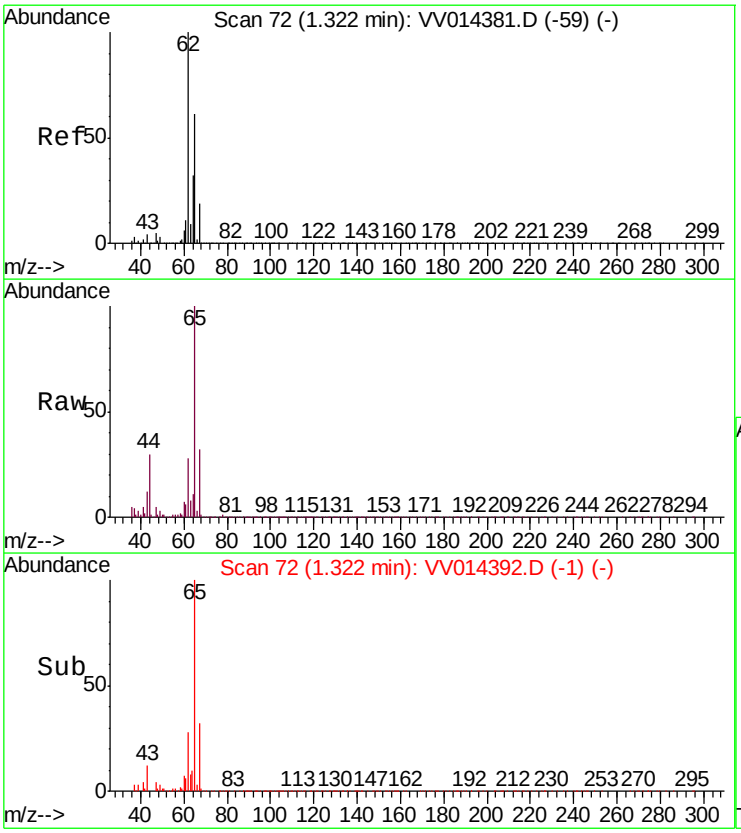

#3
Chloromethane
Concen: 0.070 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Tgt Ion: 50 Resp: 5045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.7 | 22.3 | 41.3 |

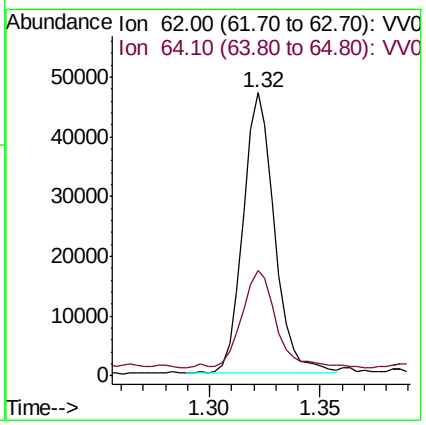


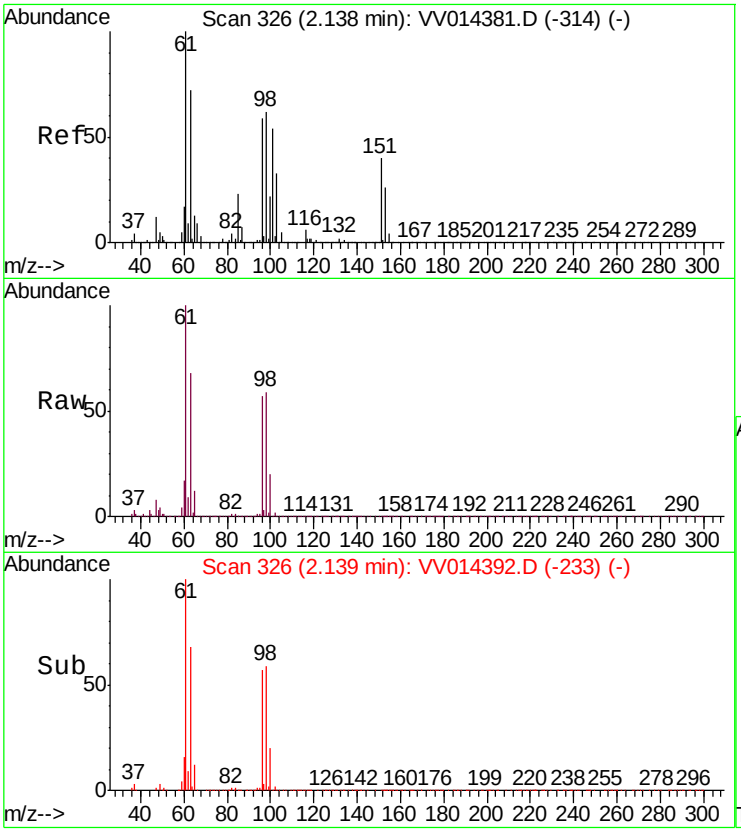




#5
Vinyl chloride
Concen: 0.693 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 62 Resp: 46437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 37.4 | 23.0 | 42.6 |



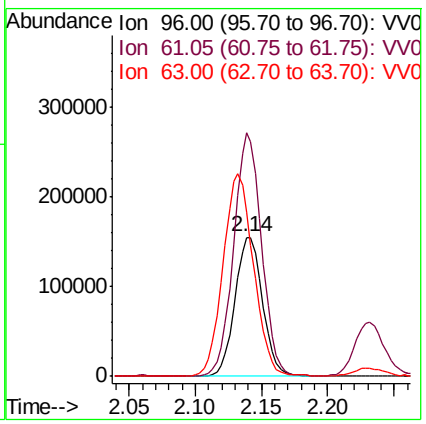


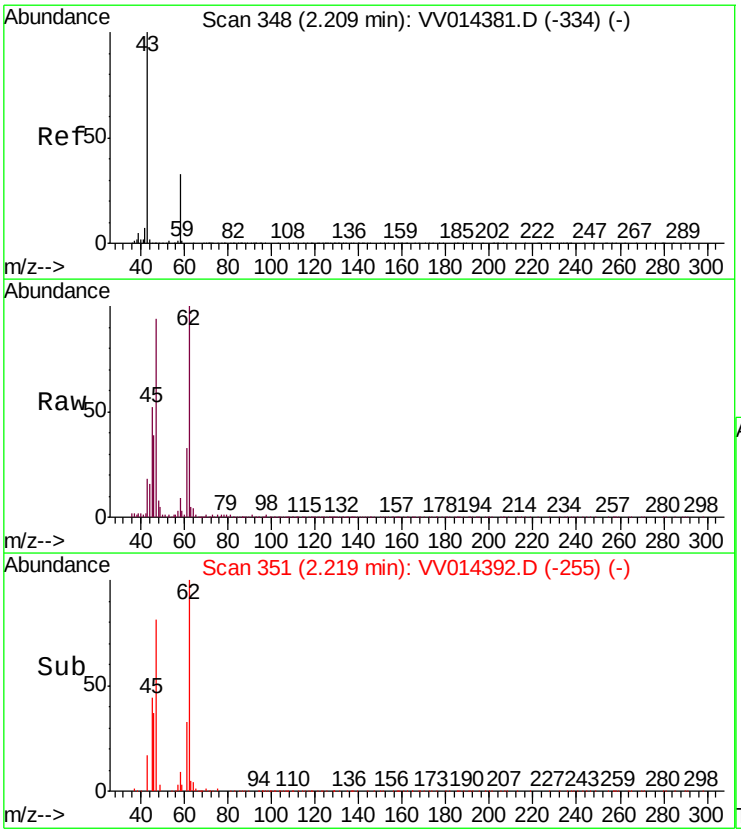

#12
1,1-Dichloroethene
Concen: 5.186 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Tgt Ion: 96 Resp: 221905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.2 | 121.5 | 225.7 |
| 63 | 118.5 | 90.3 | 167.7 |

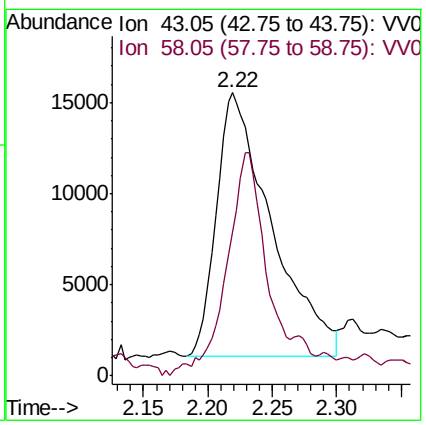


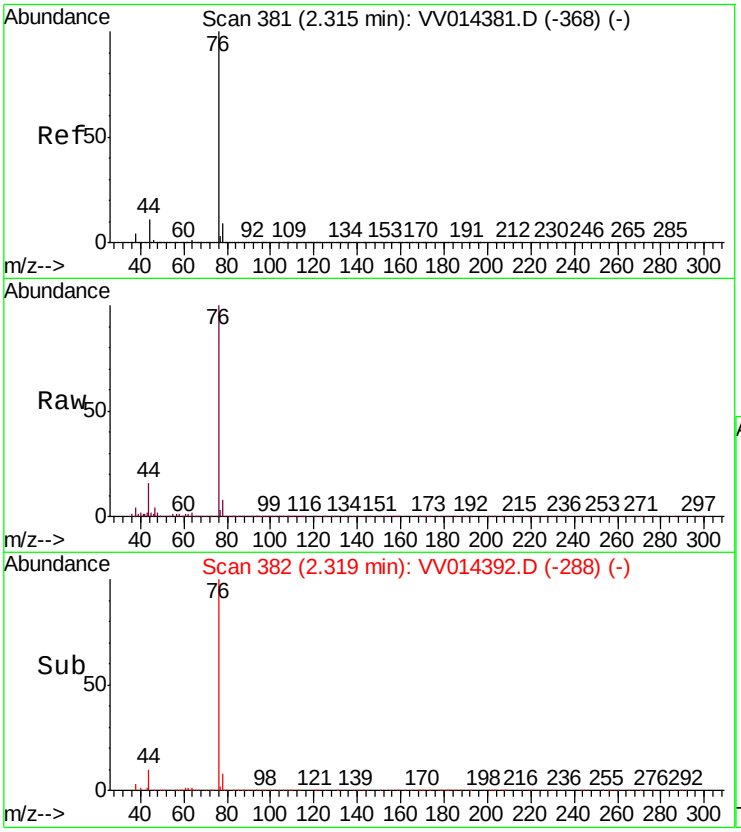




#13
Acetone
Concen: 3.865 ug/L
RT: 2.22 min Scan# 351
Delta R.T. 0.01 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 43 Resp: 42846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 59.5 | 0.0 | 66.0 |



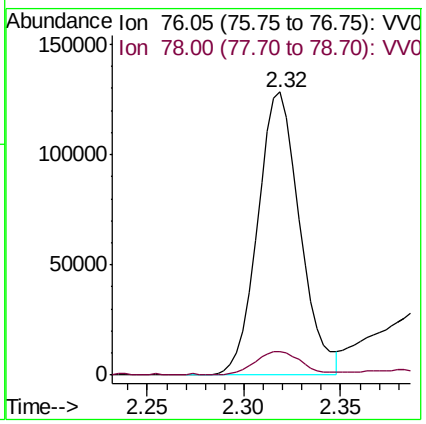


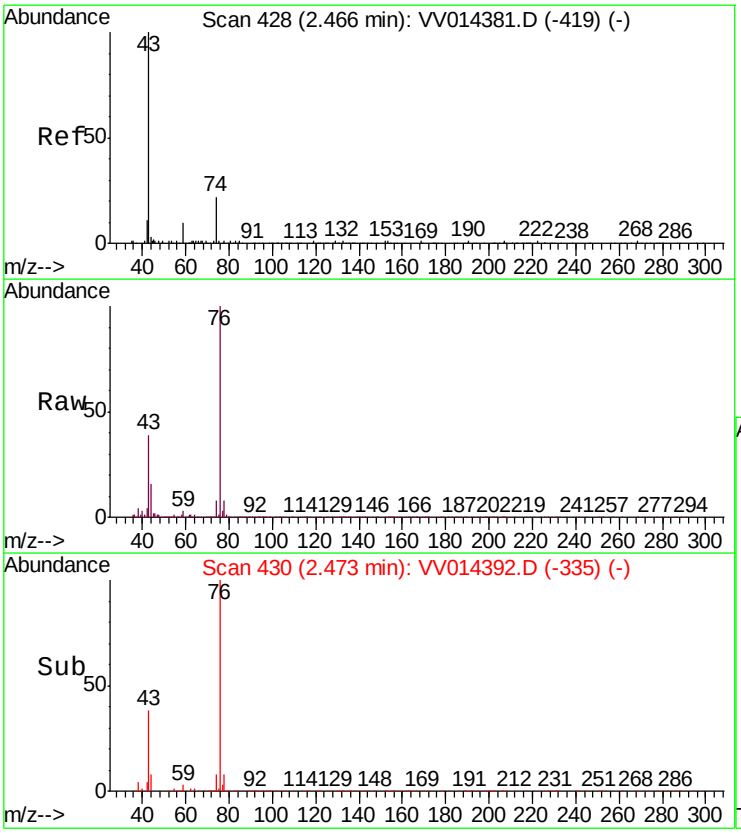

#14
Carbon disulfide
Concen: 1.026 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Tgt Ion: 76 Resp: 194852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.5 | 11.3 |

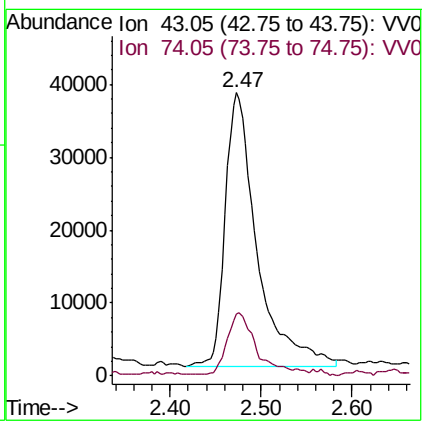


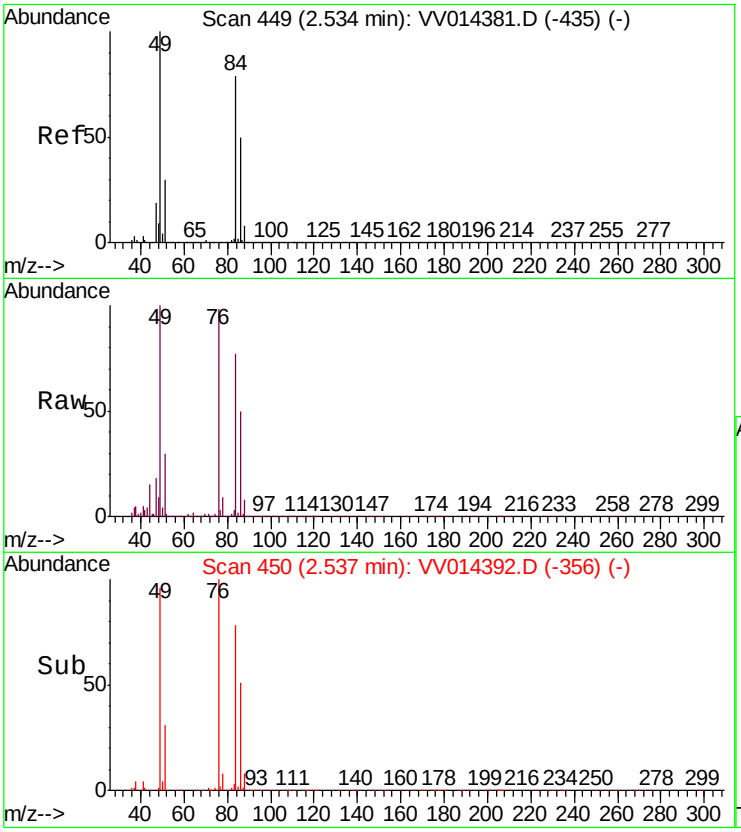




#15
Methyl Acetate
Concen: 3.548 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 43 Resp: 91560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.7 | 18.6 | 28.0 |



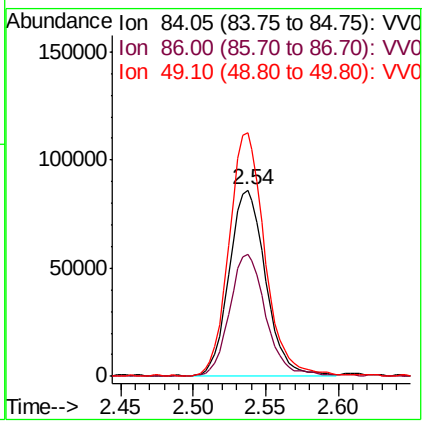


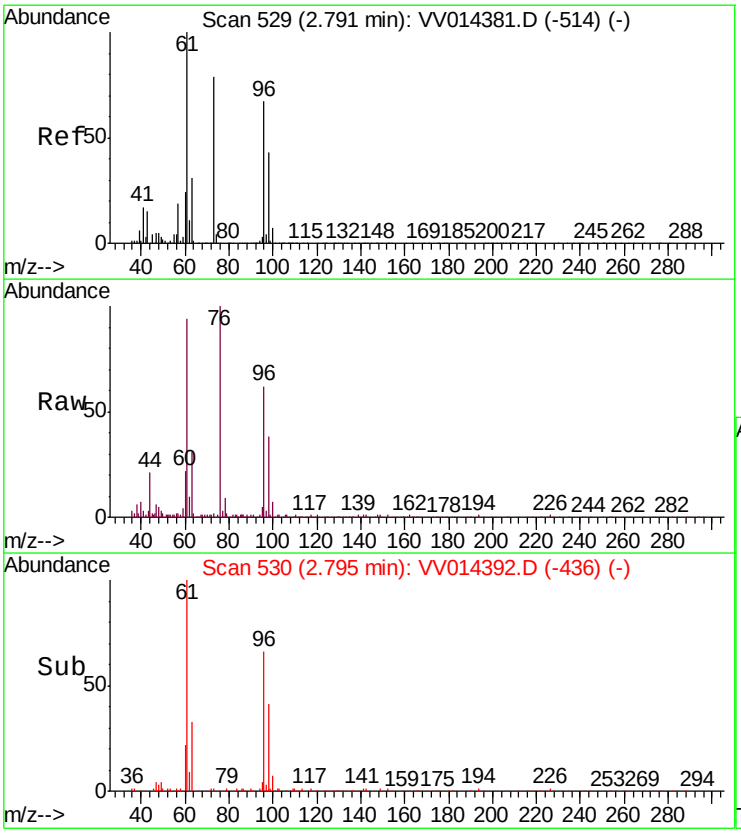

#16
Methylene chloride
Concen: 2.148 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Tgt Ion: 84 Resp: 149625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.5 | 43.1 | 80.1 |
| 49 | 130.6 | 82.1 | 152.5 |

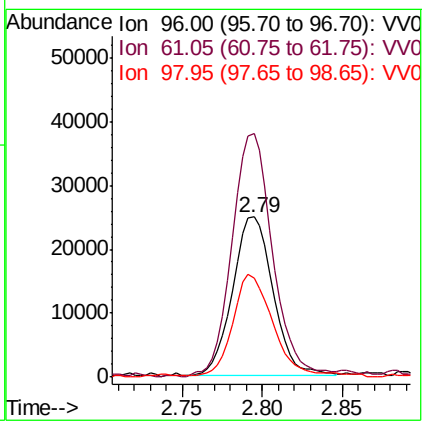


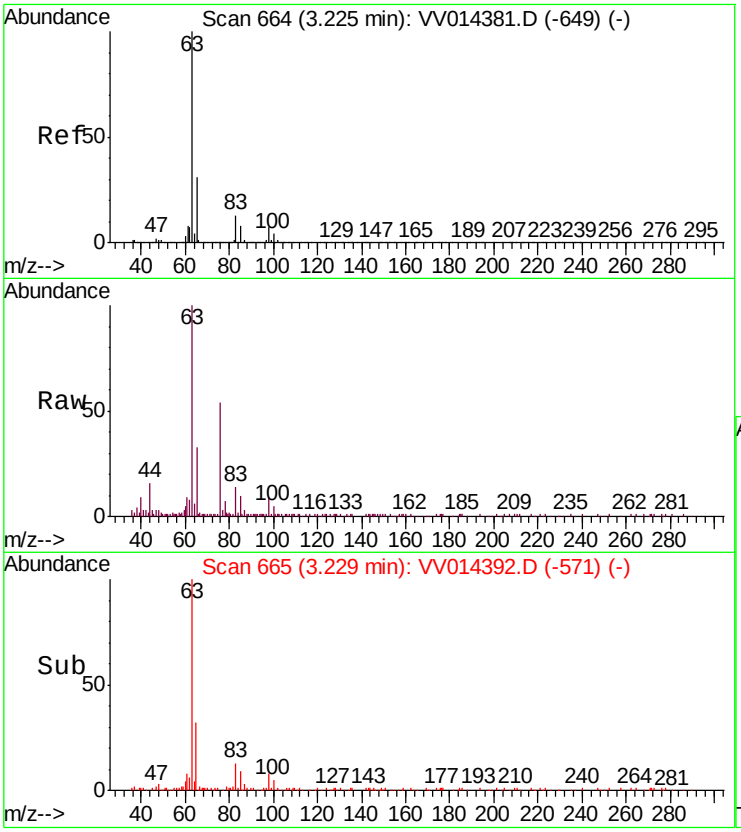




#18
trans-1,2-Dichloroethene
Concen: 0.671 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 96 Resp: 43176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.1 | 99.2 | 184.2 |
| 98 | 61.6 | 43.1 | 80.1 |



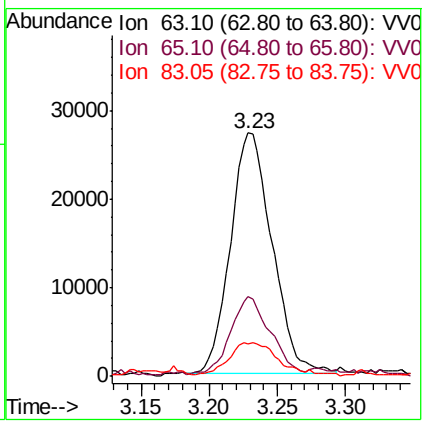


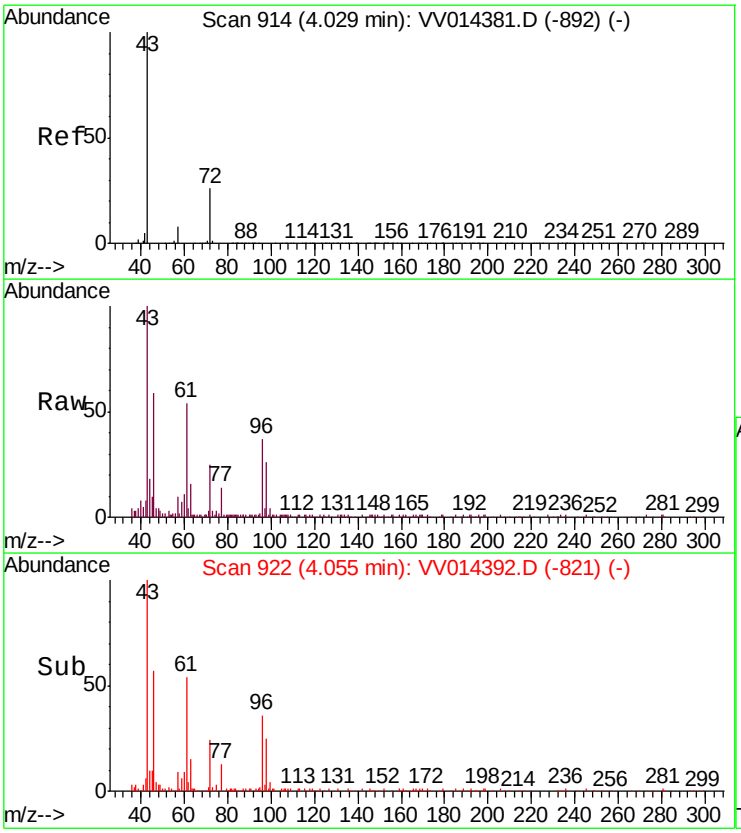

#19
1,1-Dichloroethane
Concen: 0.458 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Tgt Ion: 63 Resp: 57698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.6 | 22.7 | 42.3 |
| 83 | 13.5 | 10.0 | 18.6 |

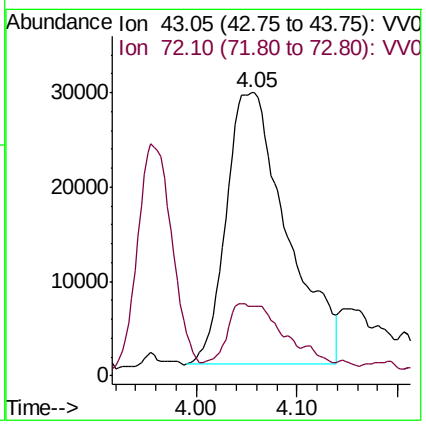


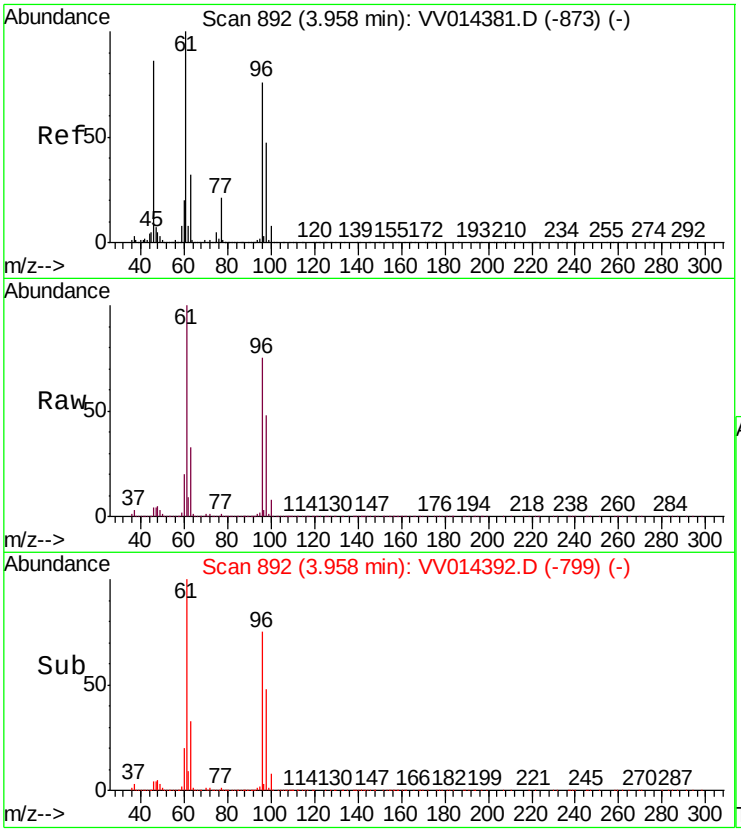




#21
2-Butanone
Concen: 7.247 ug/L
RT: 4.05 min Scan# 922
Delta R.T. 0.03 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 43 Resp: 120510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 17.5 | 12.4 | 37.2 |



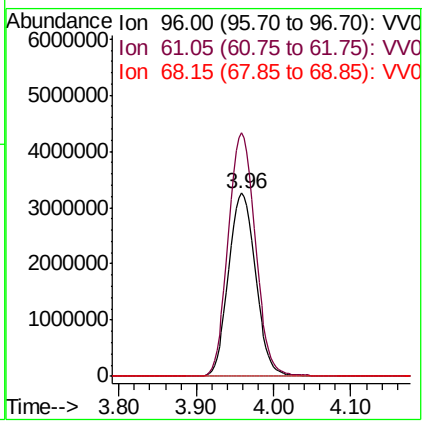


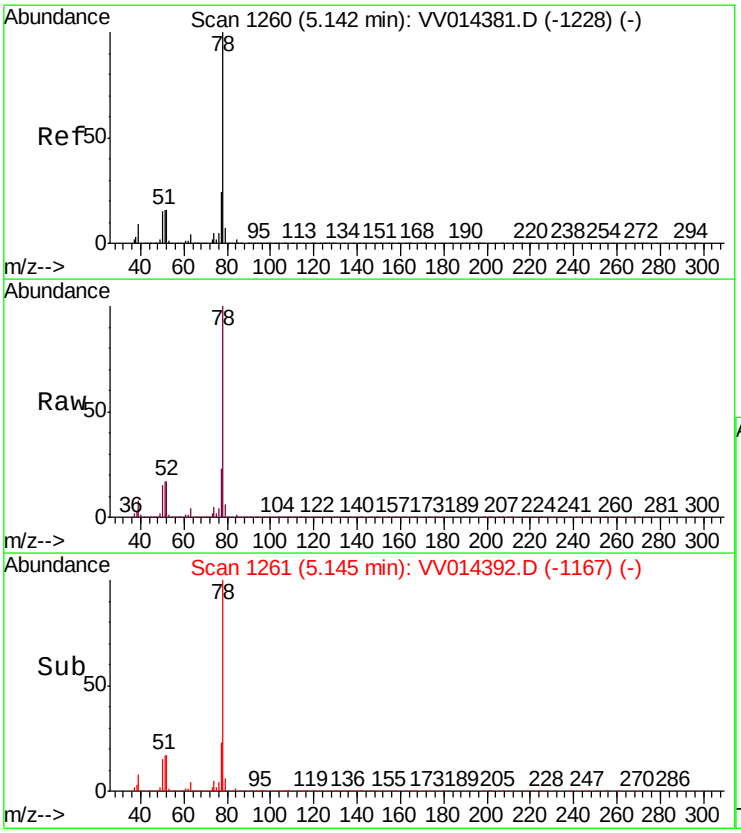

#22
cis-1,2-Dichloroethene
Concen: 112.190 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Tgt Ion: 96 Resp: 7909840

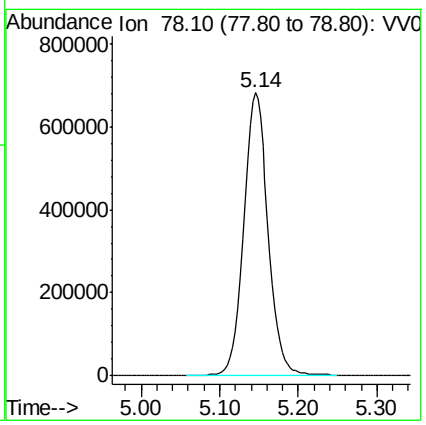
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.2 | 90.6 | 168.3 |
| 68 | 0.0 | 0.3 | 0.7# |

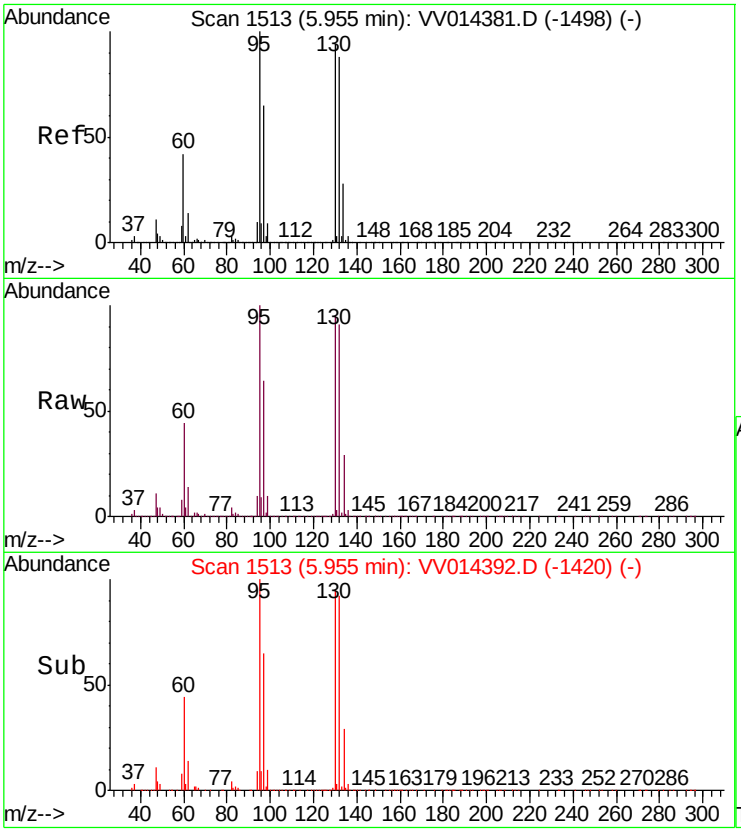



#33
Benzene
Concen: 5.507 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 78 Resp: 1488773



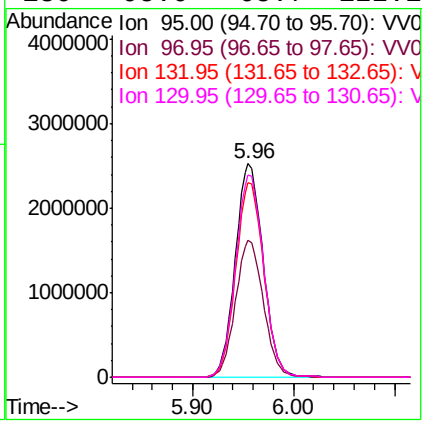


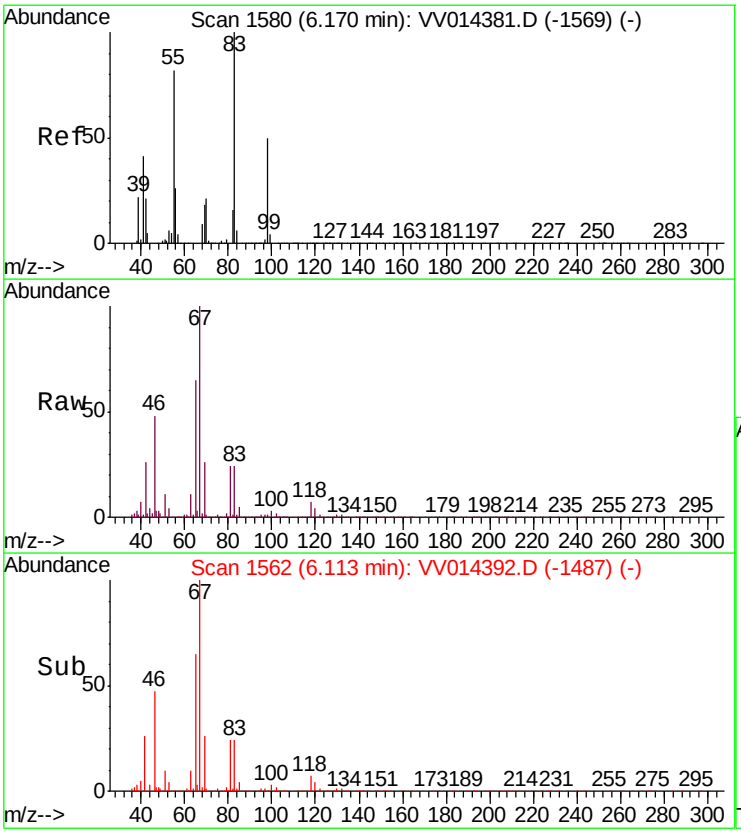

#34
Trichloroethene
Concen: 69.309 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Tgt Ion: 95 Resp: 4814803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.3 | 43.8 | 81.3 |
| 132 | 91.1 | 63.4 | 117.8 |
| 130 | 95.0 | 65.7 | 122.1 |

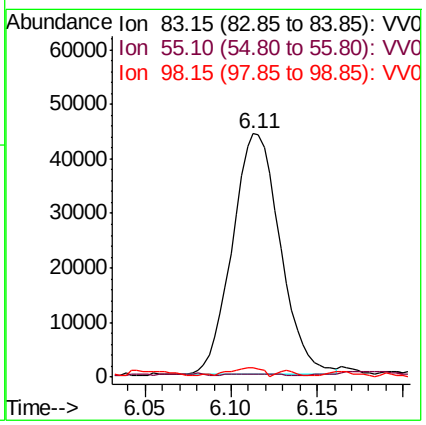


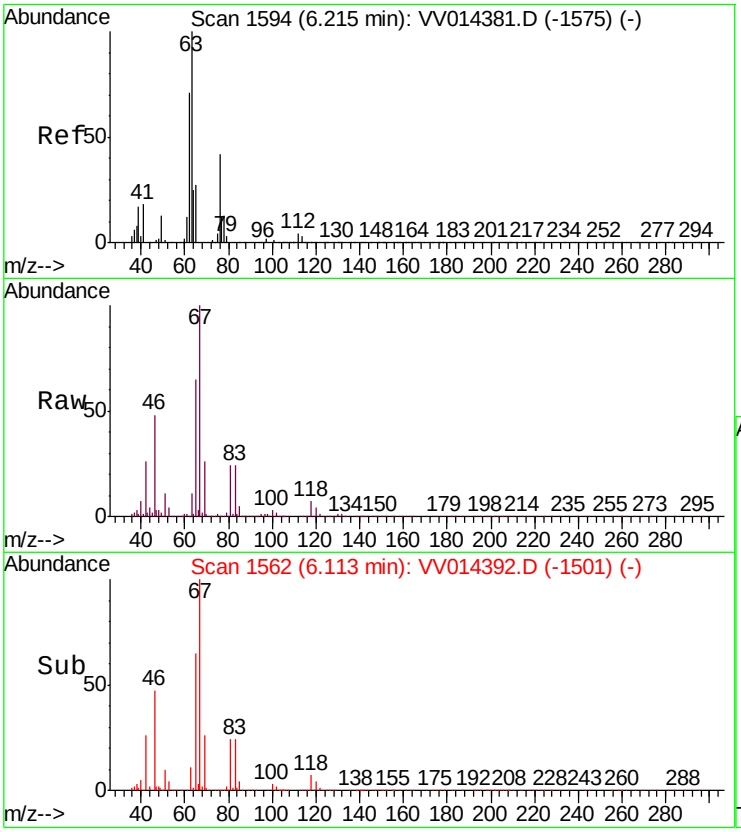




#35
Methylcyclohexane
Concen: 0.751 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 83 Resp: 85251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.7 | 61.7 | 92.5# |
| 98 | 0.0 | 38.1 | 57.1# |



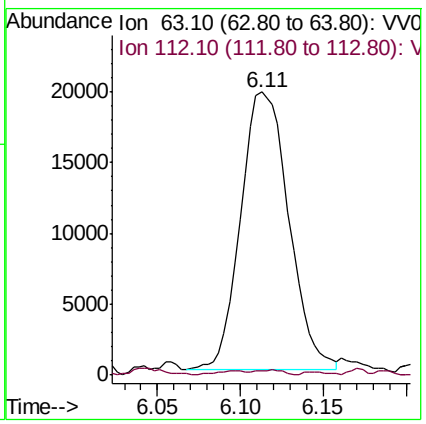


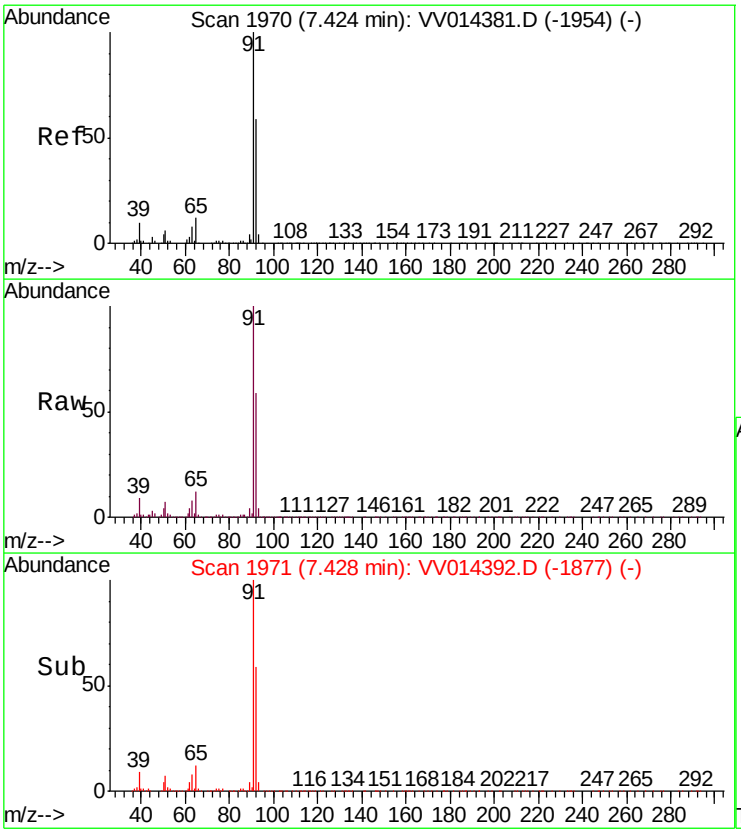

#37
1,2-Dichloropropane
Concen: 0.578 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :** MSVOA_V
**ClientSampleId :** H0AB0MS

Tgt Ion: 63 Resp: 39409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 1.1 | 3.7 | 5.5# |

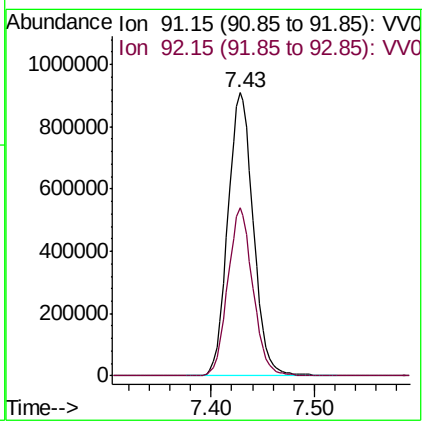


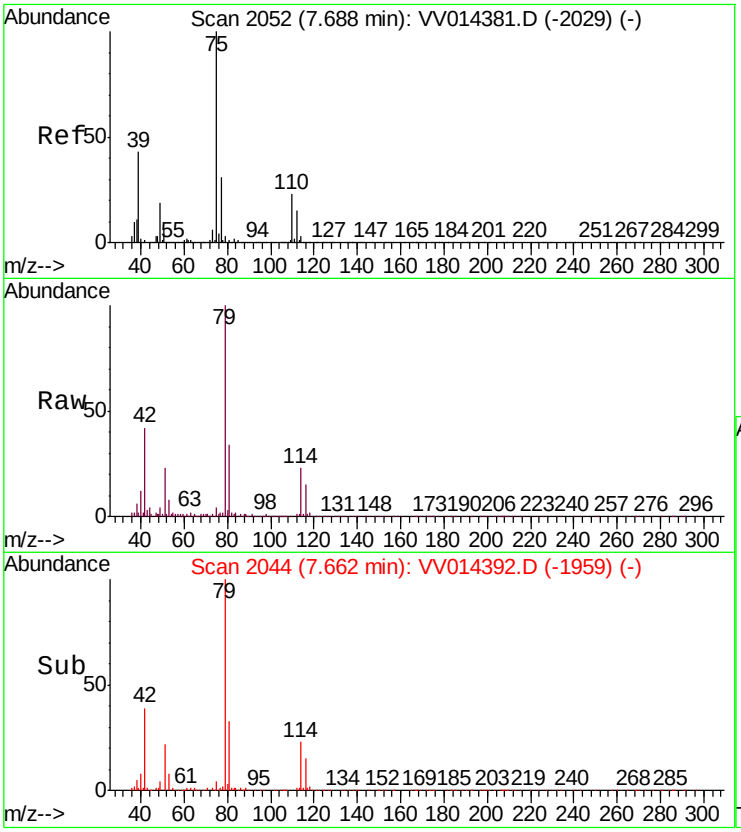




#42
Toluene
Concen: 5.472 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 91 Resp: 1561398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.5 | 41.2 | 76.6 |



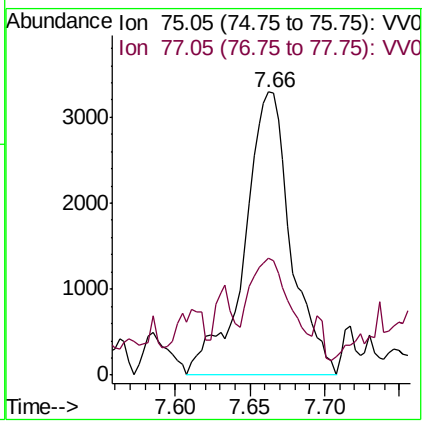


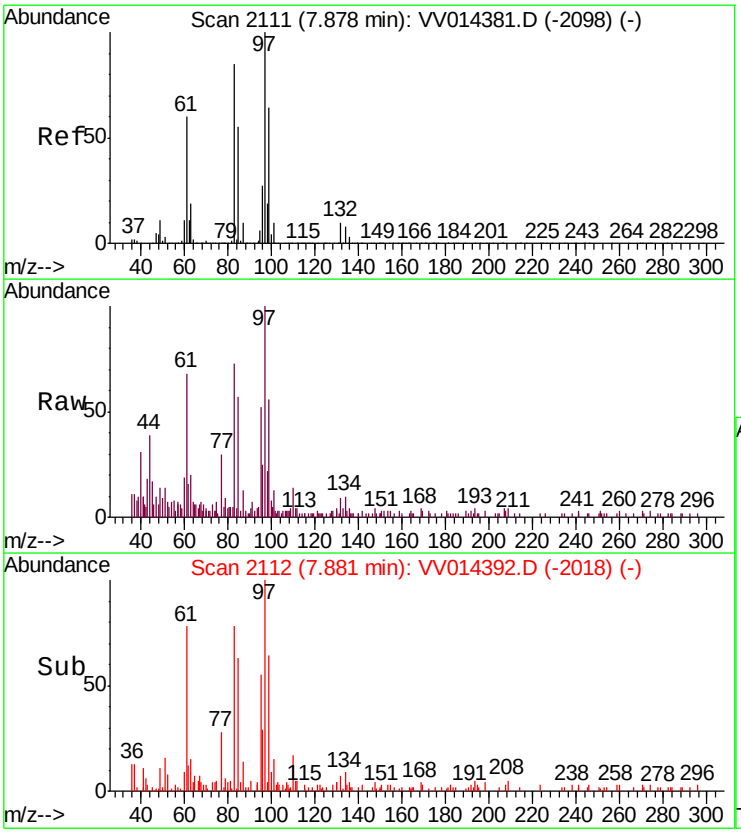

#44
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :** MSVOA_V
**ClientSampleId :** H0AB0MS

Tgt Ion: 75 Resp: 7119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.3 | 22.0 | 41.0# |

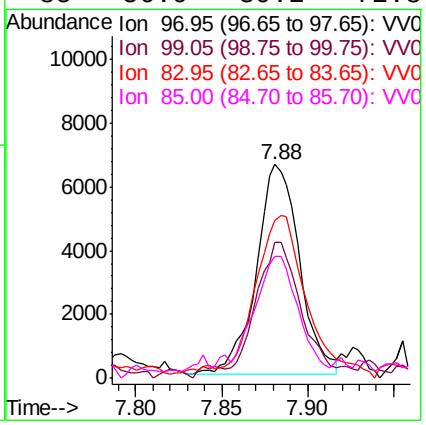


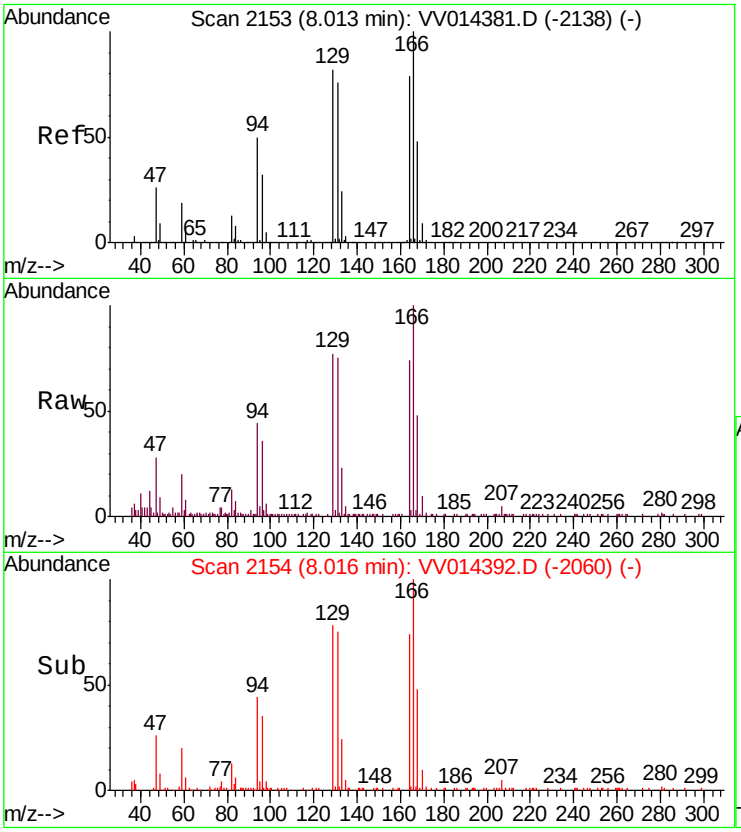




#45
1,1,2-Trichloroethane
Concen: 0.262 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion: 97 Resp: 11436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 43.7 | 81.1 |
| 83 | 73.4 | 60.0 | 111.4 |
| 85 | 56.9 | 39.2 | 72.8 |



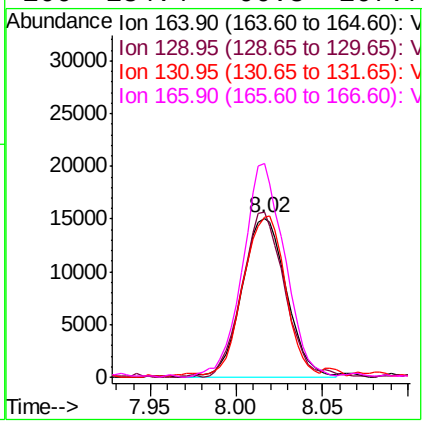


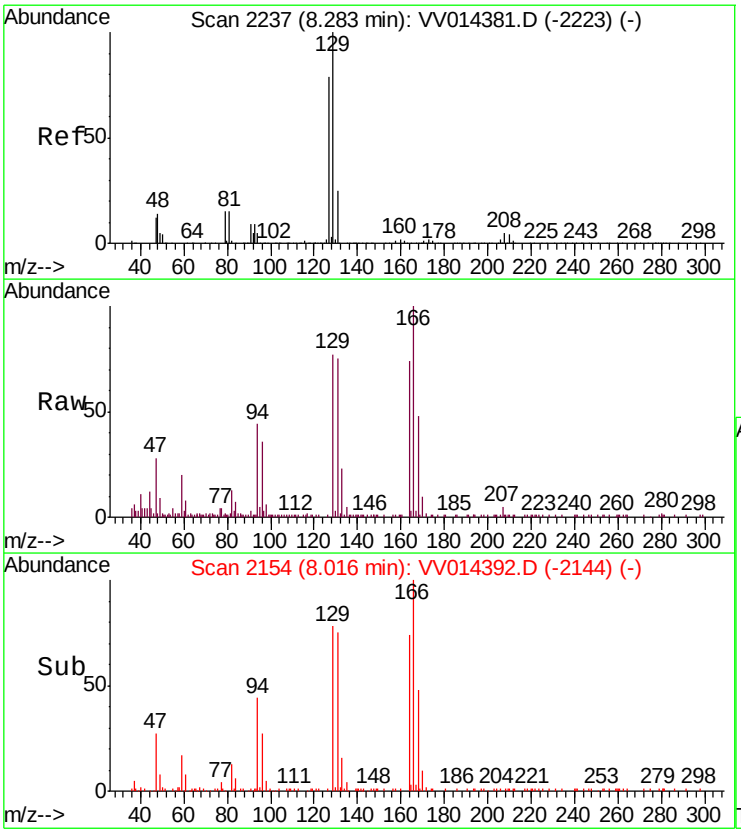

#47
Tetrachloroethene
Concen: 0.571 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0AB0MS

Tgt Ion:164 Resp: 27086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 104.0 | 71.7 | 133.3 |
| 131 | 100.6 | 70.4 | 130.8 |
| 166 | 134.4 | 90.3 | 167.7 |

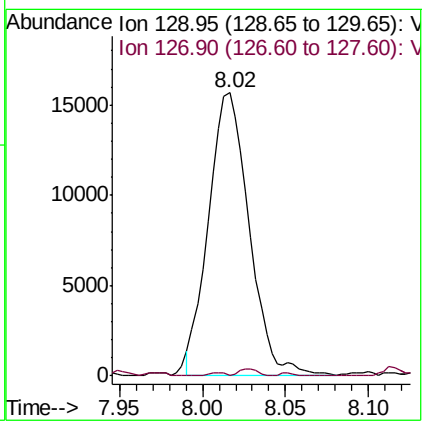


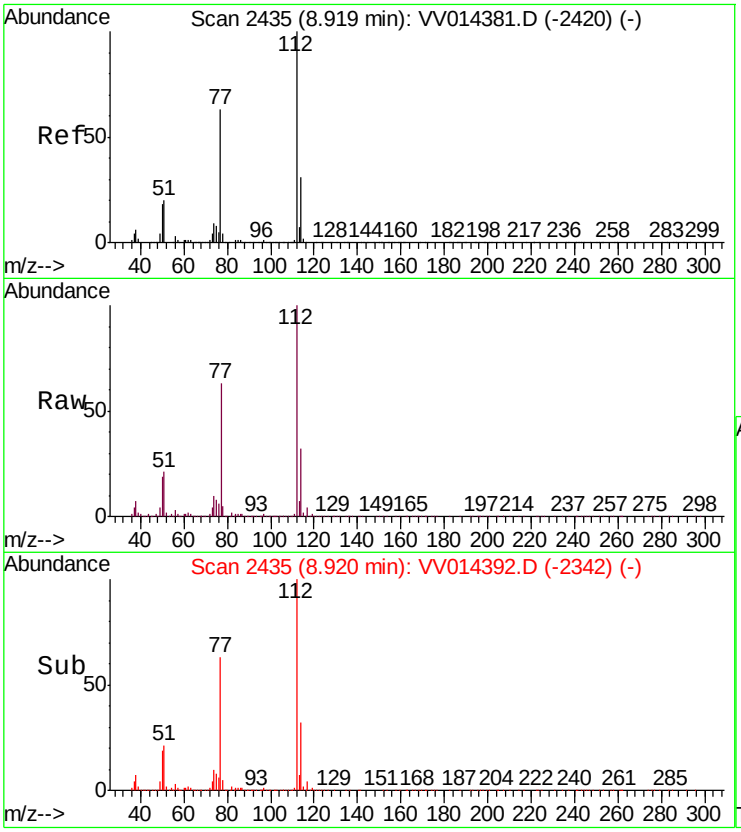




#49
Dibromochloromethane
Concen: 0.486 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion:129 Resp: 26781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 55.7 | 103.5# |



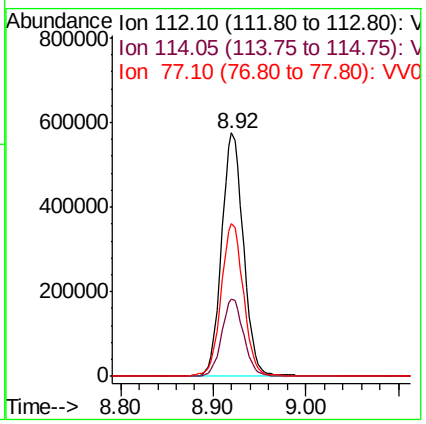


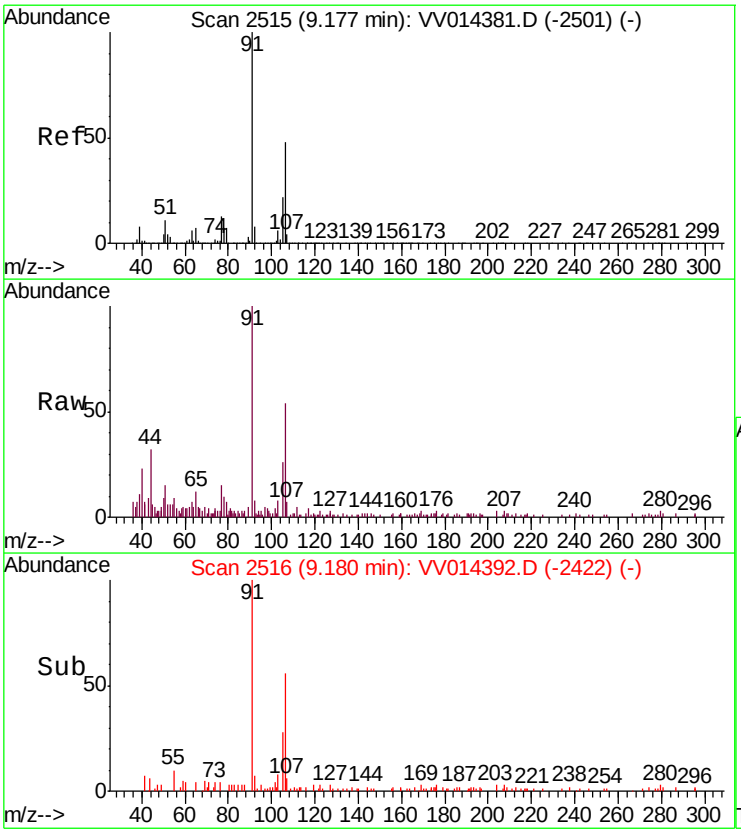

#51
Chlorobenzene
Concen: 5.352 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

**Instrument :** MSVOA_V
**ClientSampleId :** H0AB0MS

Tgt Ion:112 Resp: 939176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 22.5 | 41.7 |
| 77 | 62.9 | 49.3 | 73.9 |




#53
m,p-xylene
Concen: 0.083 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV014392.D
Acq: 24 Jan 2020 16:00

Tgt Ion:106 Resp: 9757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 183.8 | 146.8 | 272.6 |