Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052920\
Data File : VV016332.D
Acq On : 30 May 2020 00:15
Operator : SY/MD
Sample : L2826-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: May 30 03:08:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 84549 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 79702 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 34532 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 24322 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 89.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 19841 | 4.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 83.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 35752 | 3.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 70.20% | | | |
| 20) 2-Butanone-d5 | 3.97 | 46 | 53070 | 39.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 78.80% | | | |
| 24) Chloroform-d | 4.38 | 84 | 50740 | 4.69 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 28165 | 4.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 98.40% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 100102 | 5.07 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 101.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.10 | 67 | 30678 | 5.02 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 100.40% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 88827 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.40% | | | |
| 45) trans-1,3-Dichloropropene- | 7.65 | 79 | 10086 | 4.43 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.60% | | | |
| 48) 2-Hexanone-d5 | 8.12 | 63 | 54258 | 51.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 103.92% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 21295 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 94.40% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 31052 | 5.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 107.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.25 | 50 | 2214 | 0.272 | ug/L | 90 |
| 5) Vinyl chloride | 1.32 | 62 | 2273 | 0.307 | ug/L # | 66 |
| 8) Chloroethane | 1.45 | 64 | 64685 | 15.636 | ug/L # | 51 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 1891 | 0.379 | ug/L # | 1 |
| 14) Carbon disulfide | 2.31 | 76 | 2354 | 0.152 | ug/L # | 90 |
| 18) trans-1,2-Dichloroethene | 2.77 | 96 | 668 | 0.122 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 808 | 0.078 | ug/L # | 69 |
| 22) cis-1,2-Dichloroethene | 3.94 | 96 | 101517 | 15.728 | ug/L | 98 |
| 25) Chloroform | 4.41 | 83 | 2176 | 0.198 | ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.07 | 62 | 646 | 0.090 | ug/L # | 79 |
| 29) 1,1,1-Trichloroethane | 4.63 | 97 | 1099 | 0.116 | ug/L | 97 |
| 33) Benzene | 5.13 | 78 | 1518 | 0.066 | ug/L | 100 |
| 34) Trichloroethene | 5.94 | 95 | 532827 | 89.176 | ug/L | 98 |
| 35) Methylcyclohexane | 6.10 | 83 | 7445 | 0.739 | ug/L # | 16 |
| 37) 1,2-Dichloropropane | 6.10 | 63 | 3659 | 0.650 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene | 7.01 | 75 | 841 | 0.106 | ug/L # | 53 |
| 46) trans-1,3-Dichloropropene | 7.65 | 75 | 387 | 0.058 | ug/L # | 64 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052920\
Data File : VV016332.D
Acq On : 30 May 2020 00:15
Operator : SY/MD
Sample : L2826-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: May 30 03:08:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) Tetrachloroethene | 8.00 | 164 | 6168 | 1.438 | ug/L | | 98 |
| 51) Dibromochloromethane | 8.00 | 129 | 6028 | 1.538 | ug/L | # | 10 |
| 53) Chlorobenzene | 8.90 | 112 | 4625 | 0.299 | ug/L | | 96 |
| 64) 1,4-Dichlorobenzene | 11.30 | 146 | 766 | 0.072 | ug/L | | 95 |
| 70) Naphthalene | 13.53 | 128 | 9108 | 0.637 | ug/L | | 99 |

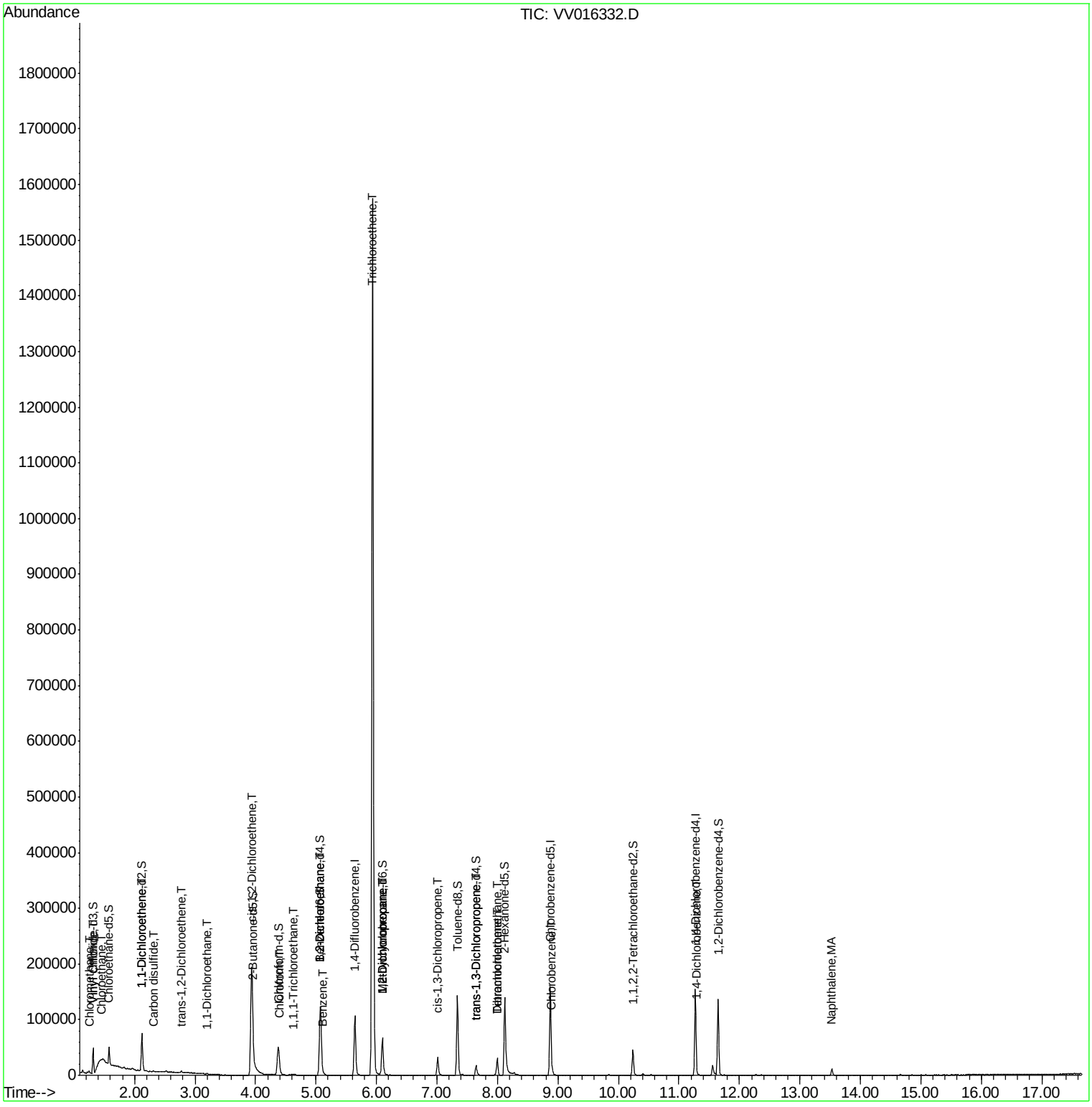
(#) = qualifier out of range (m) = manual integration (+) = signals summed

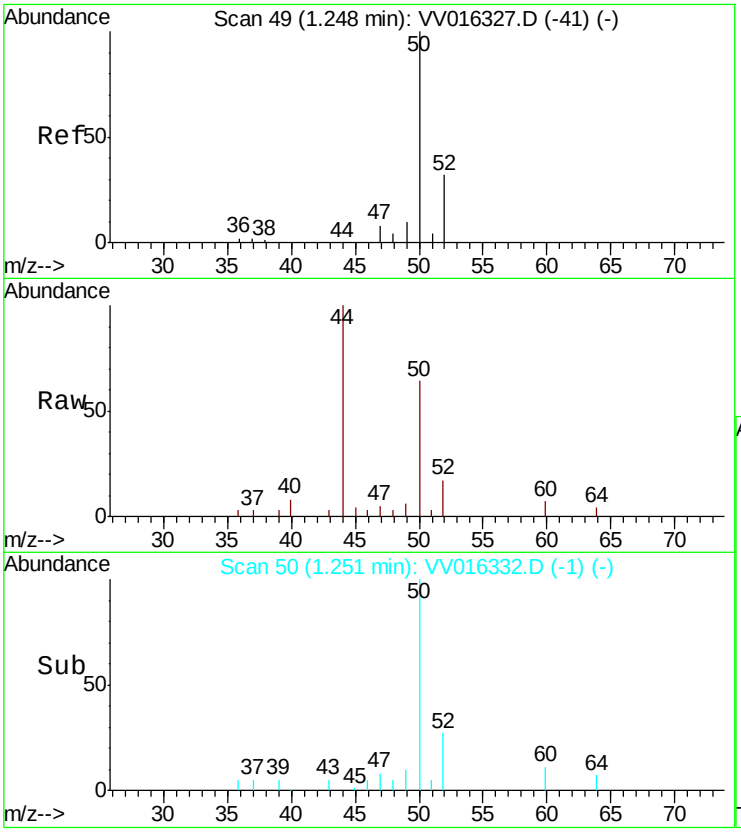
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052920\
Data File : VV016332.D
Acq On : 30 May 2020 00:15
Operator : SY/MD
Sample : L2826-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: May 30 03:08:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration



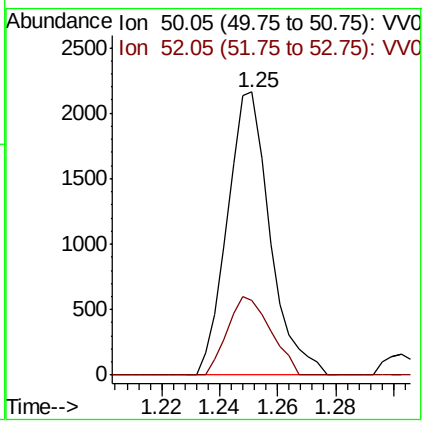


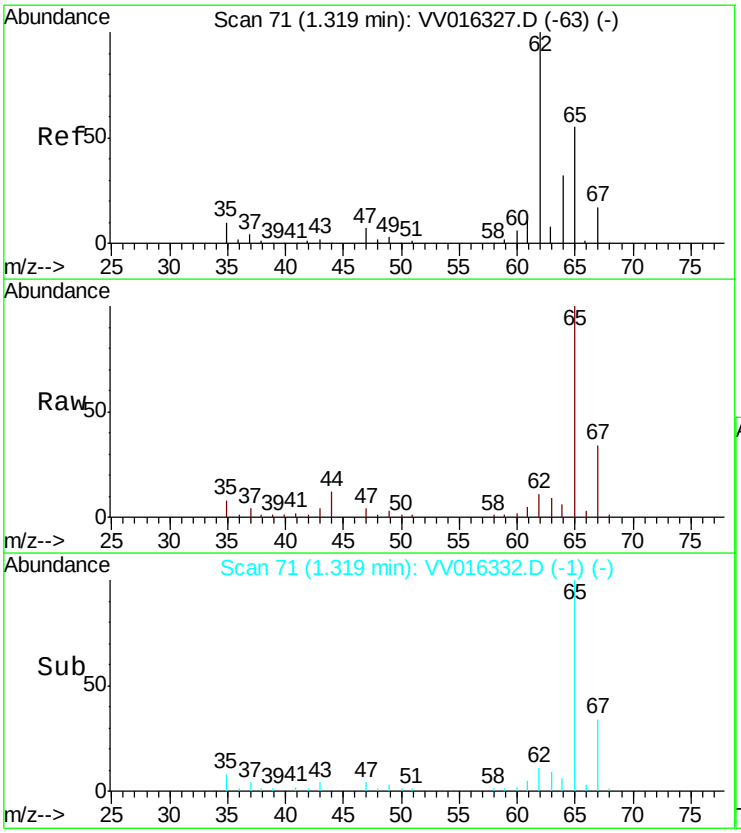

#3
Chloromethane
Concen: 0.272 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 50 Resp: 2214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 26.6 | 22.5 | 41.9 |

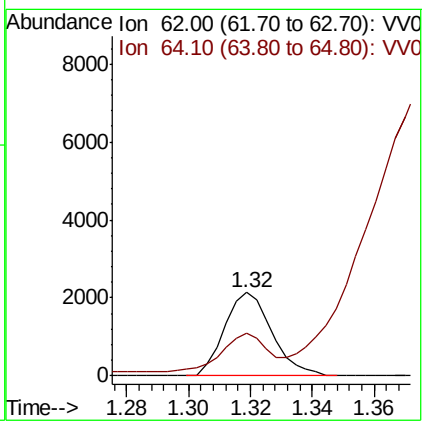


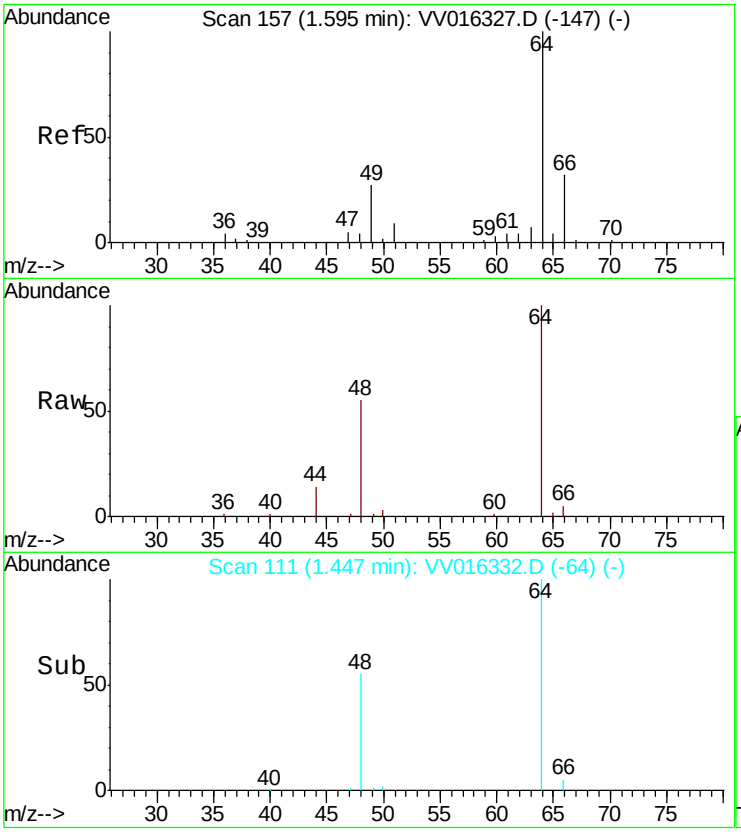




#5
Vinyl chloride
Concen: 0.307 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion: 62 Resp: 2273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 50.6 | 22.1 | 41.1# |



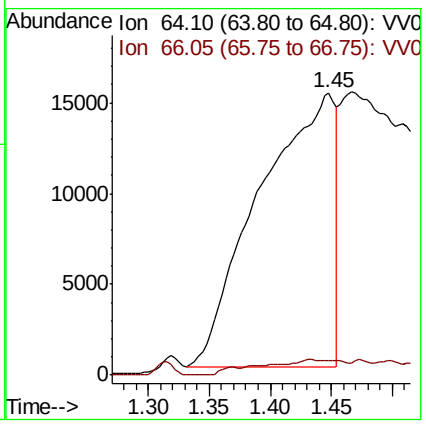


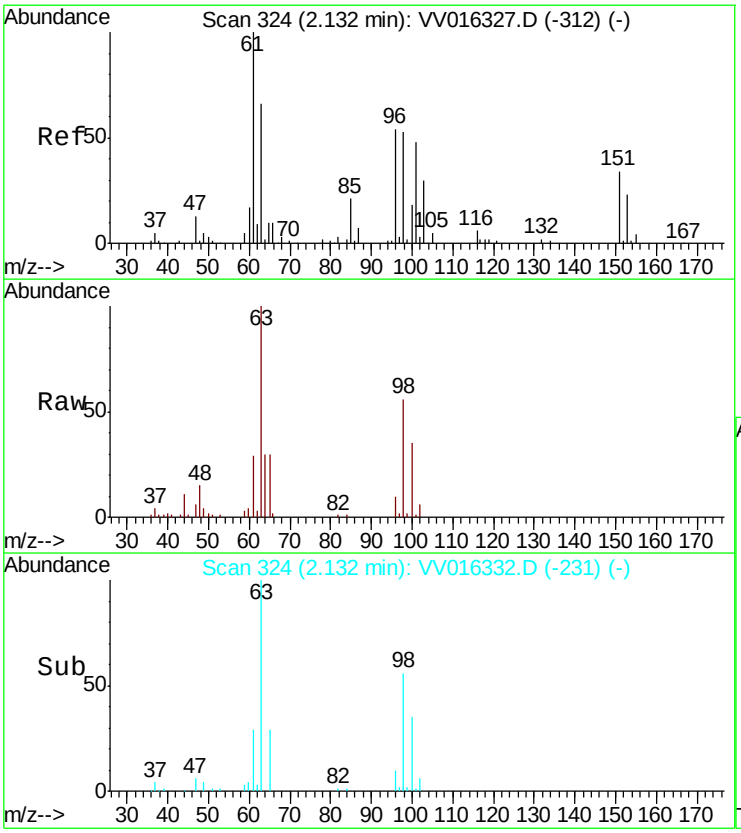

#8
Chloroethane
Concen: 15.636 ug/L
RT: 1.45 min Scan# 111
Delta R.T. -0.15 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 64 Resp: 64685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 5.2 | 22.9 | 42.5# |

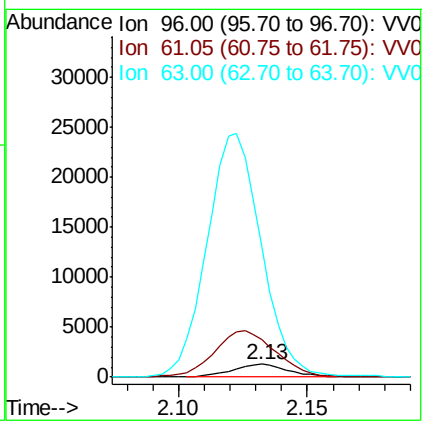


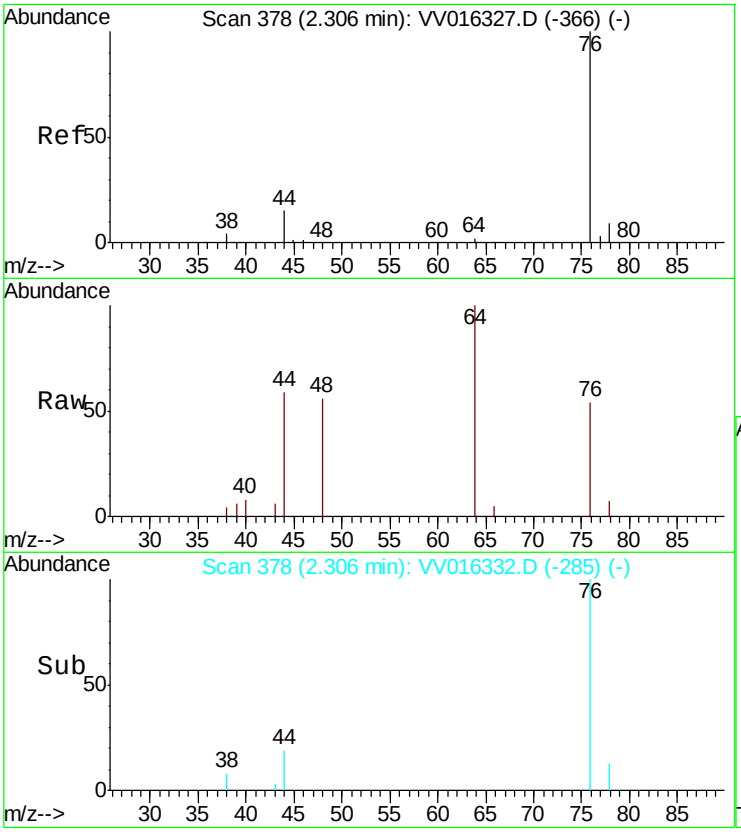




#12
1,1-Dichloroethene
Concen: 0.379 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion: 96 Resp: 1891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 290.3 | 124.9 | 231.9# |
| 63 | 1013.5 | 80.4 | 149.2# |



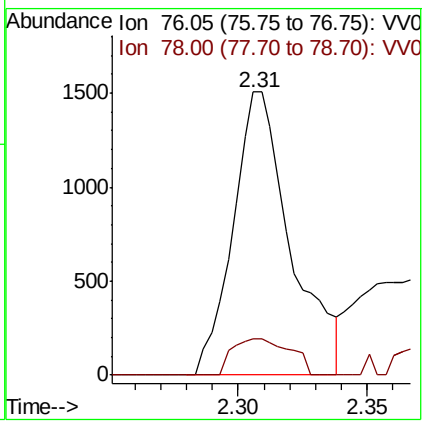


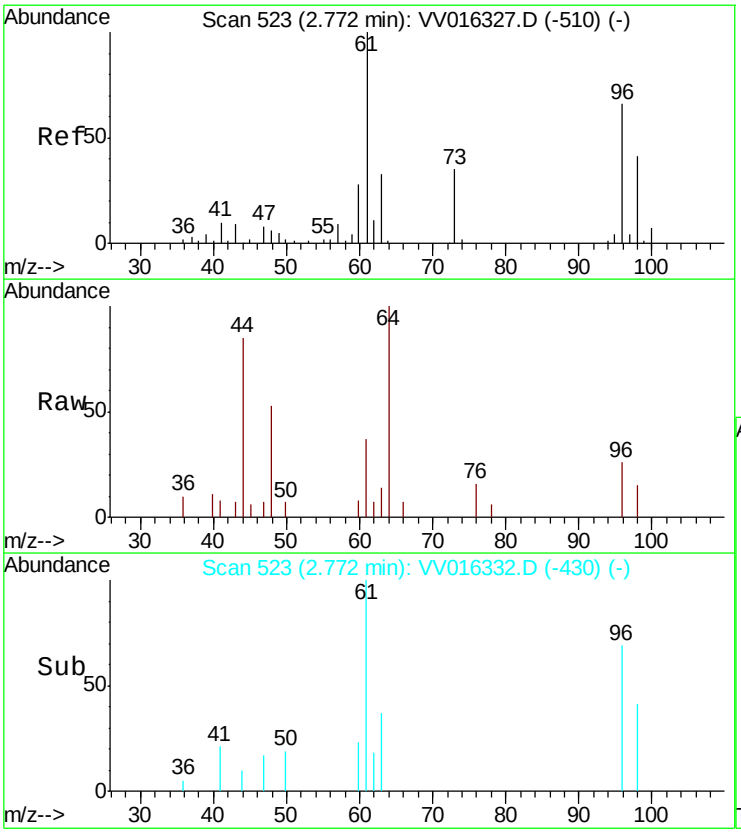

#14
Carbon disulfide
Concen: 0.152 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 76 Resp: 2354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 12.8 | 7.4 | 11.0# |

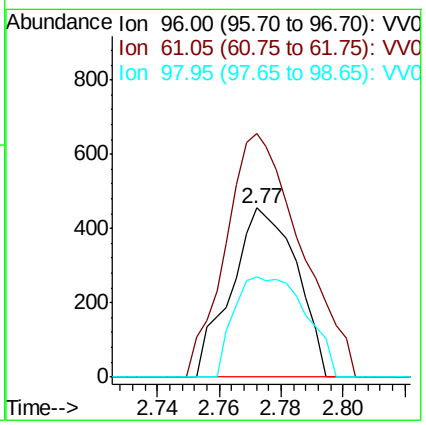


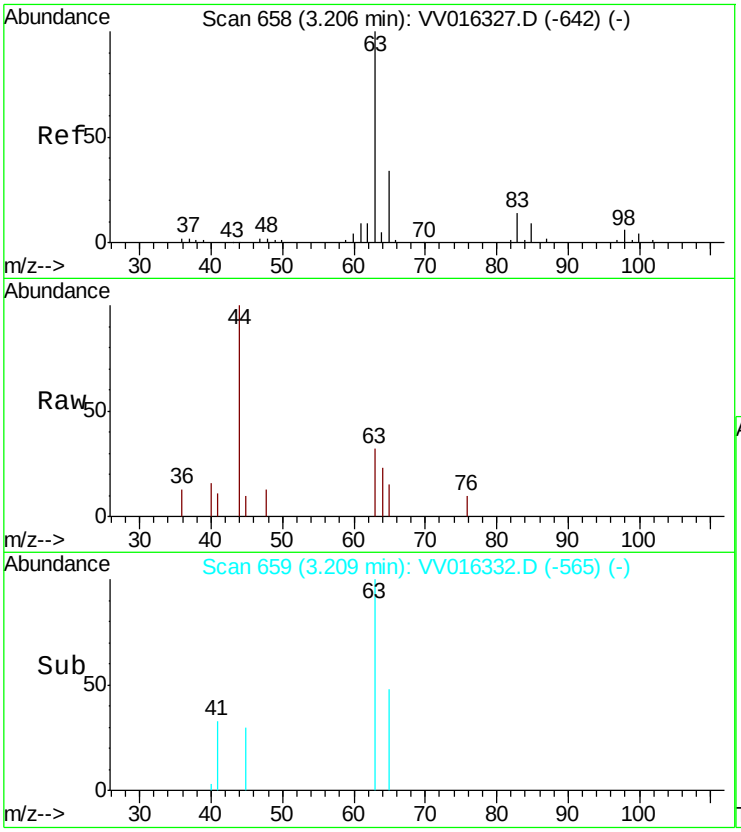




#18
trans-1,2-Dichloroethene
Concen: 0.122 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion: 96 Resp: 668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.2 | 99.8 | 185.4 |
| 98 | 59.6 | 44.0 | 81.6 |



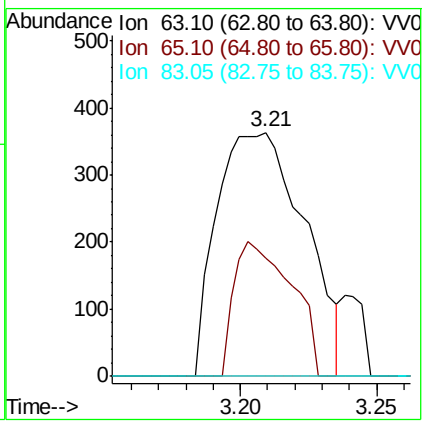


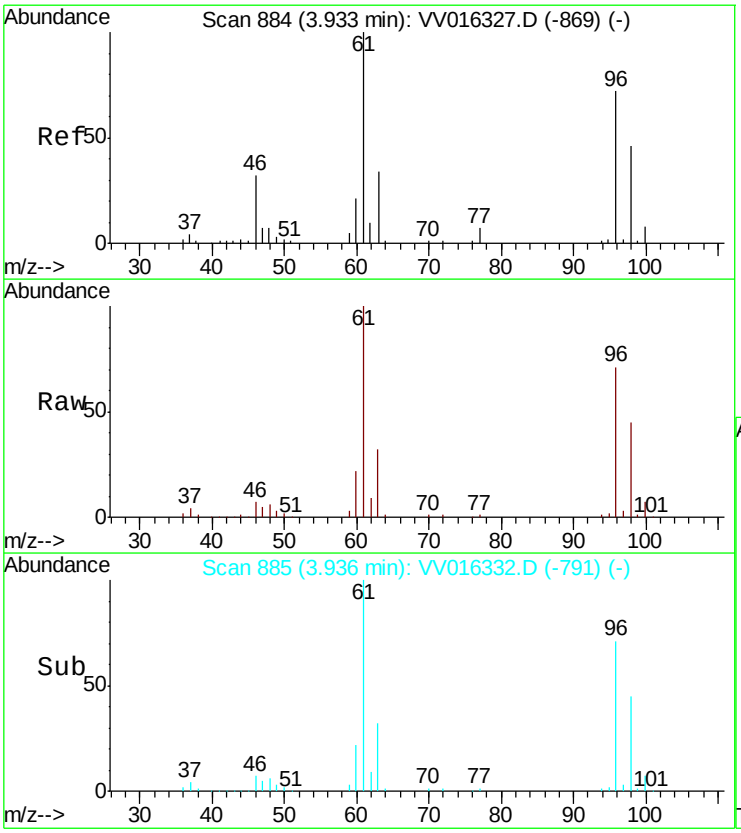

#19
1,1-Dichloroethane
Concen: 0.078 ug/L
RT: 3.21 min Scan# 659
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 63 Resp: 808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 48.5 | 22.3 | 41.5# |
| 83 | 0.0 | 9.4 | 17.4# |

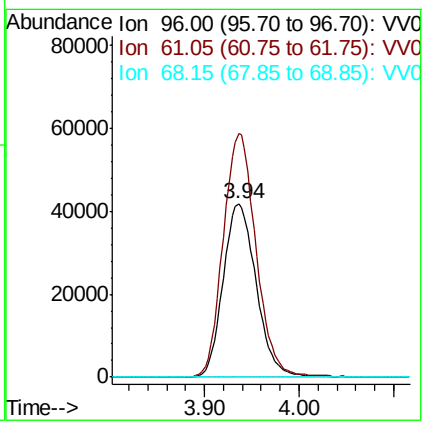


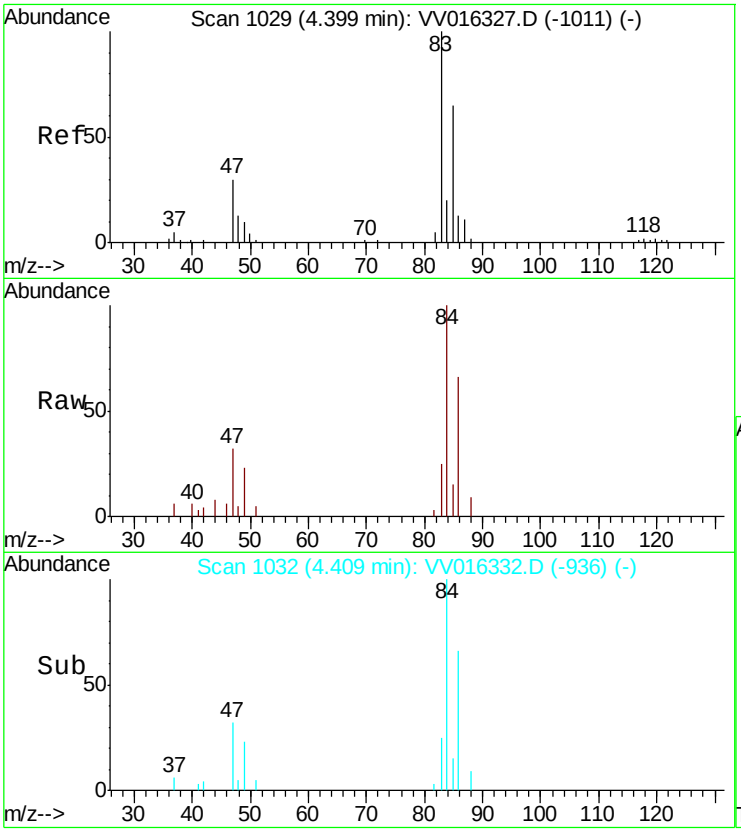




#22
cis-1,2-Dichloroethene
Concen: 15.728 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion: 96 Resp: 101517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.5 | 99.7 | 185.1 |
| 68 | 0.0 | 0.0 | 0.0 |



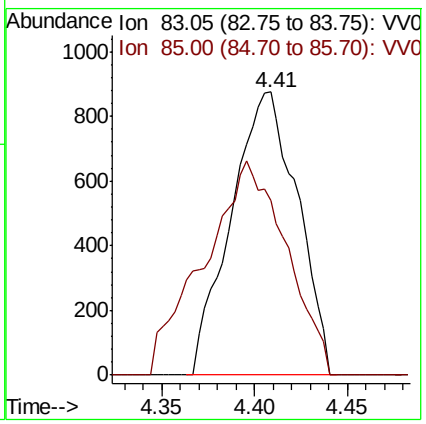


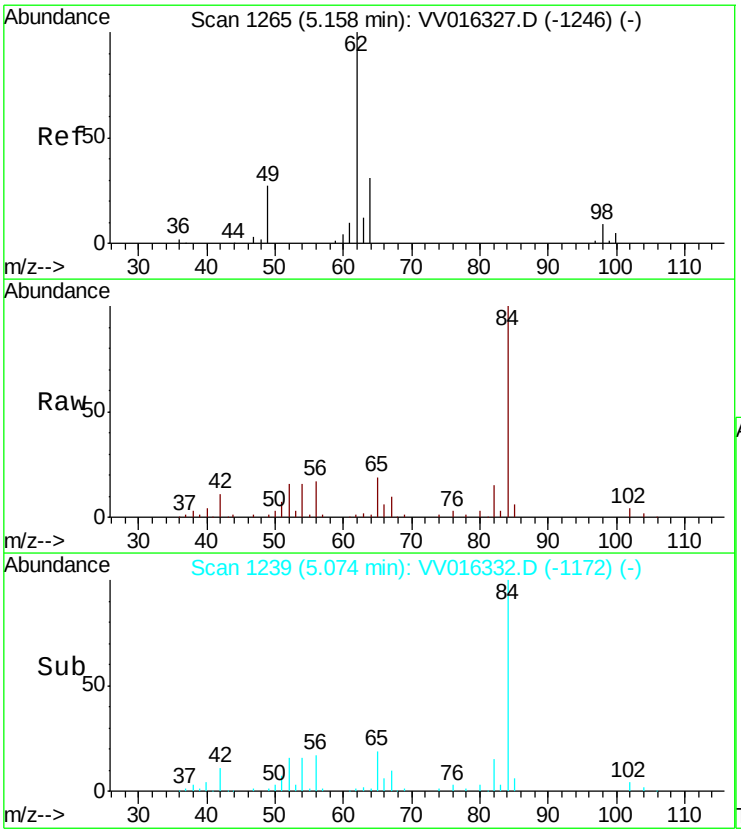

#25
Chloroform
Concen: 0.198 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 83 Resp: 2176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.5 | 45.1 | 83.7 |

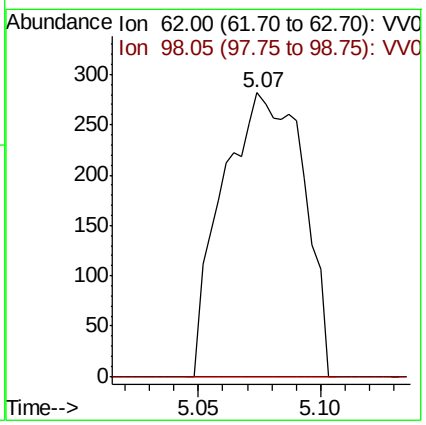


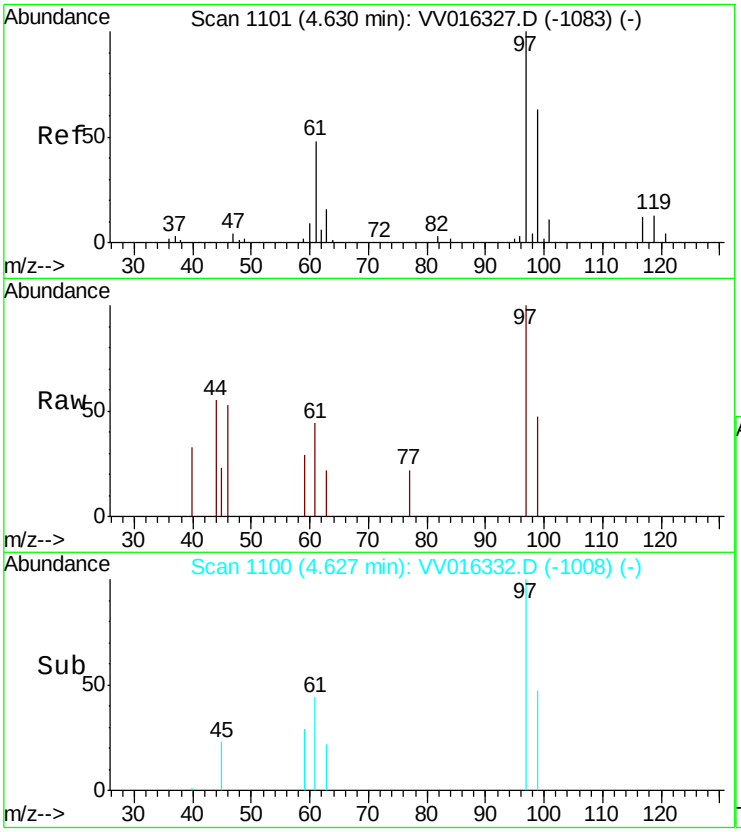




#27
1,2-Dichloroethane
Concen: 0.090 ug/L
RT: 5.07 min Scan# 1239
Delta R.T. -0.08 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion: 62 Resp: 646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 5.7 | 8.5# |



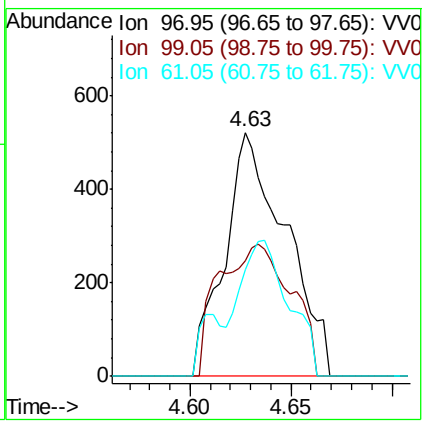


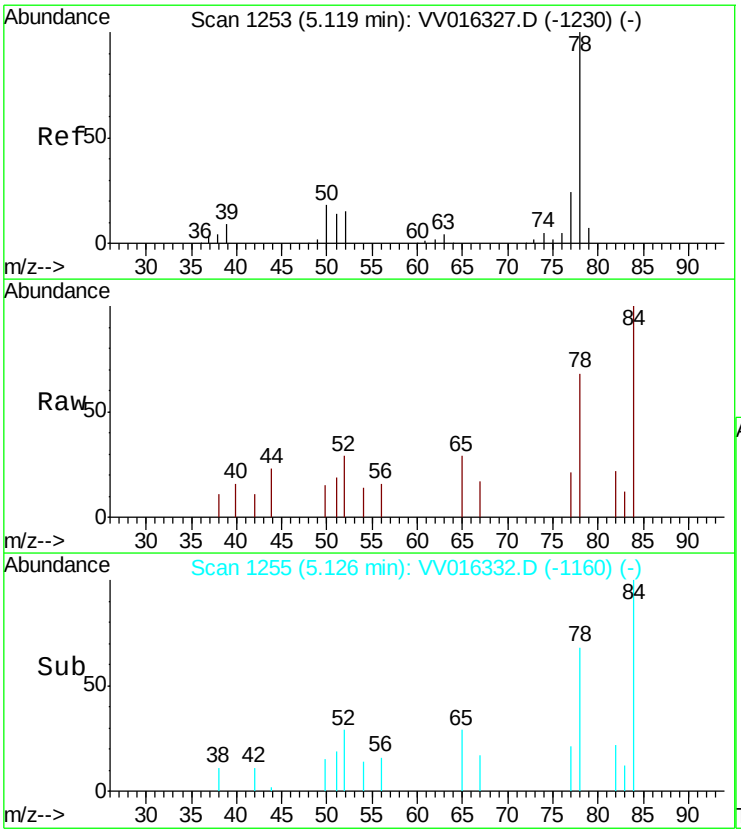

#29
1,1,1-Trichloroethane
Concen: 0.116 ug/L
RT: 4.63 min Scan# 1100
Delta R.T. -0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 97 Resp: 1099

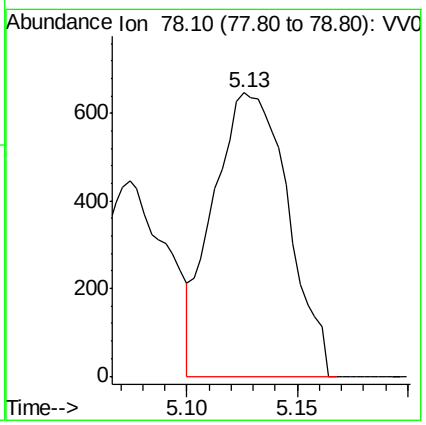
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 51.2 | 76.8 |
| 61 | 44.4 | 38.6 | 57.8 |

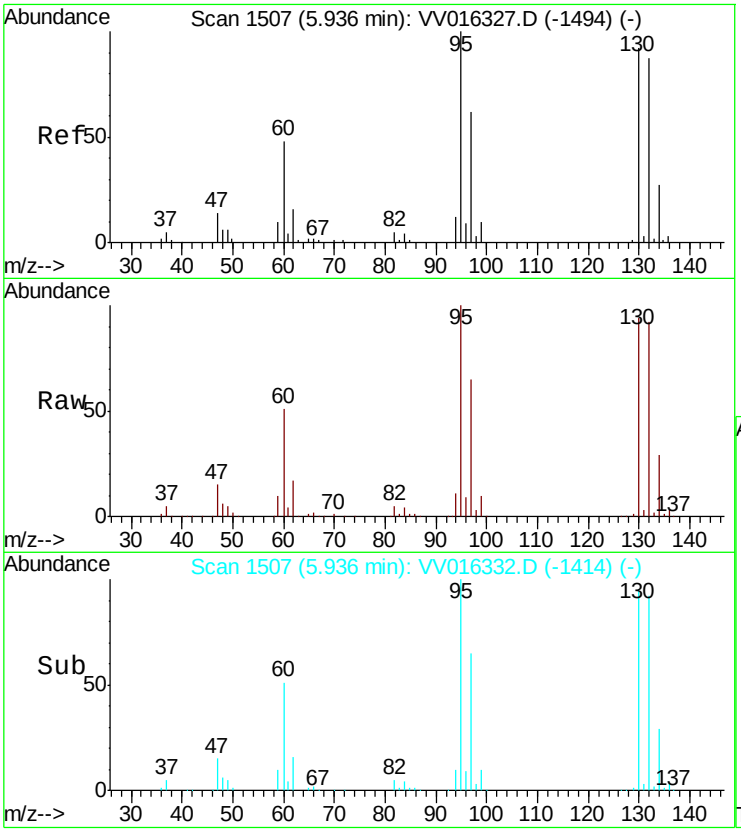



#33
Benzene
Concen: 0.066 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion: 78 Resp: 1518



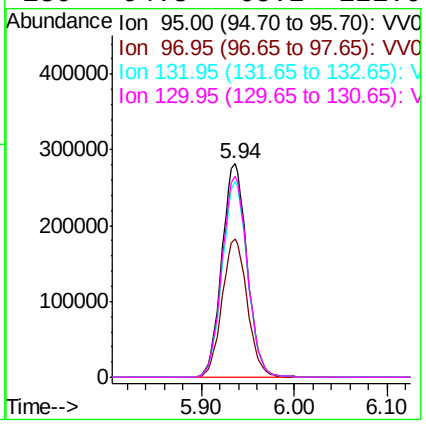


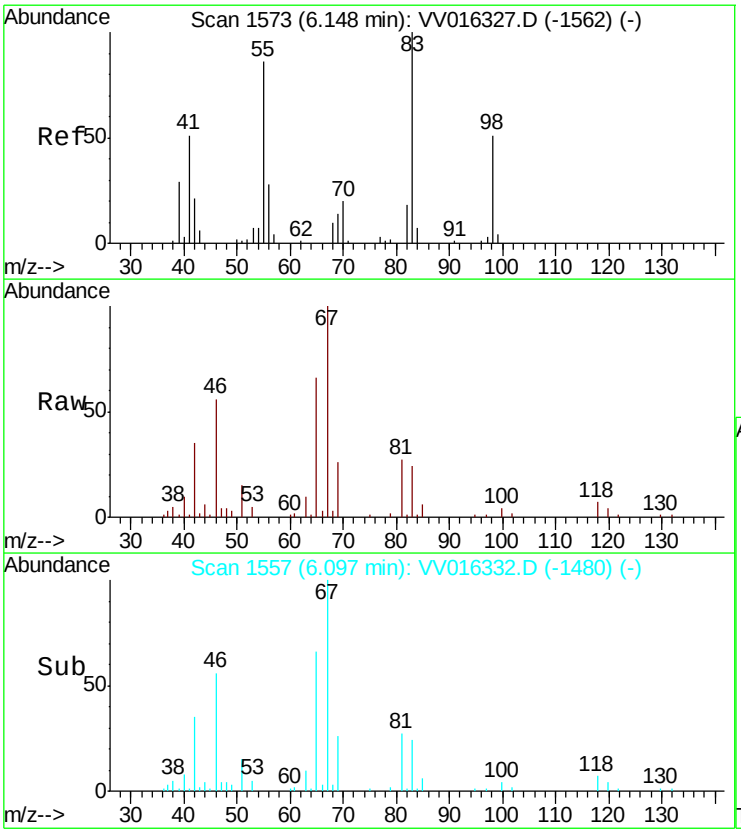

#34
Trichloroethene
Concen: 89.176 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 95 Resp: 532827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.9 | 43.6 | 81.0 |
| 132 | 91.8 | 63.9 | 118.7 |
| 130 | 94.3 | 65.2 | 121.0 |

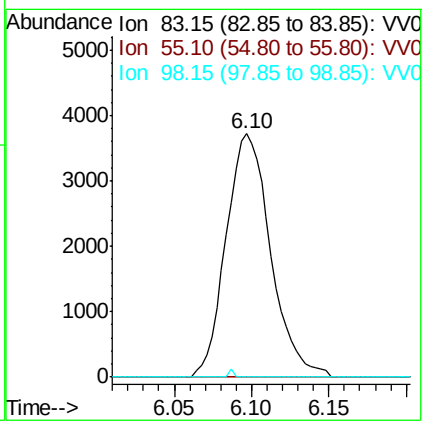


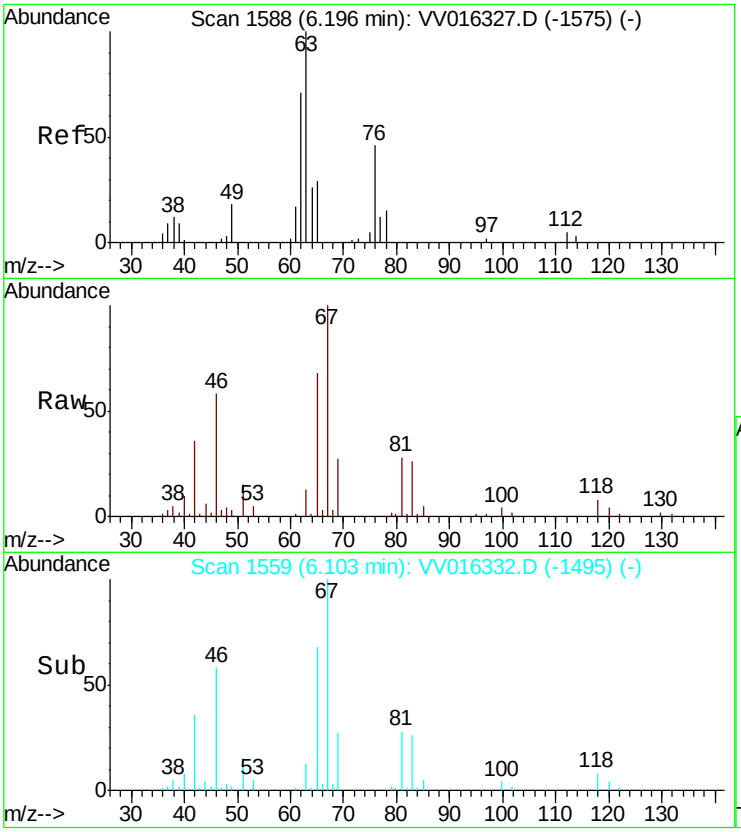




#35
Methylcyclohexane
Concen: 0.739 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion: 83 Resp: 7445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.3 | 65.4 | 98.0# |
| 98 | 0.0 | 39.3 | 58.9# |



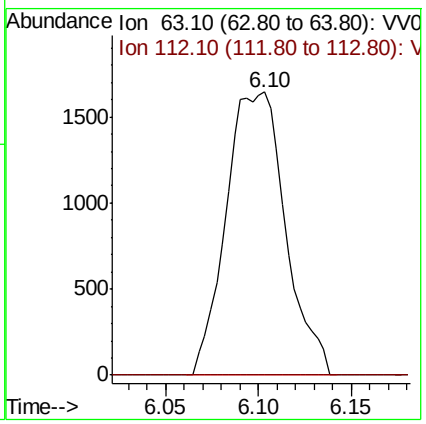


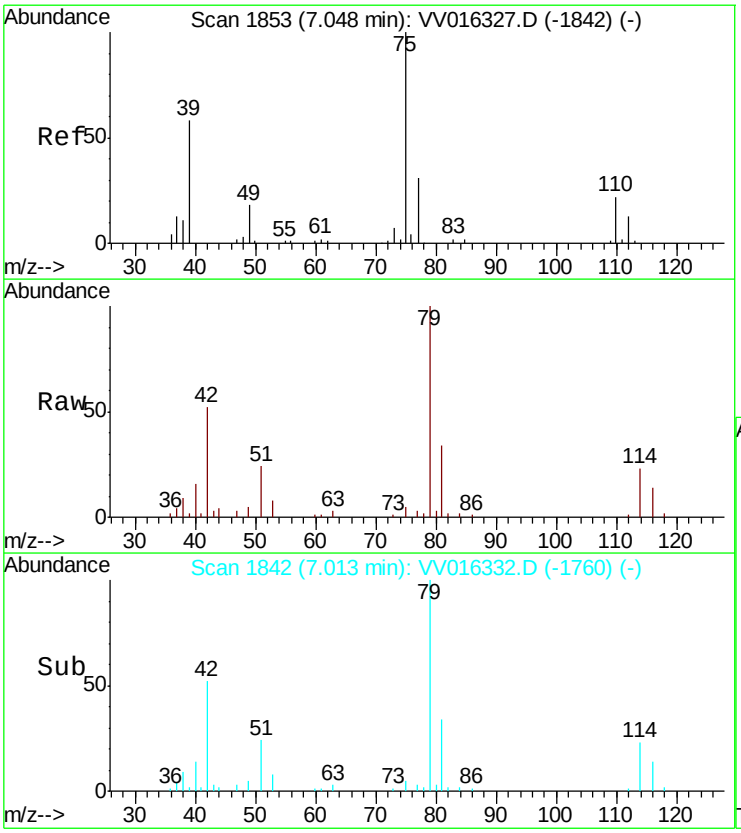

#37
1,2-Dichloropropane
Concen: 0.650 ug/L
RT: 6.10 min Scan# 1559
Delta R.T. -0.09 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 63 Resp: 3659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.1 | 4.7# |

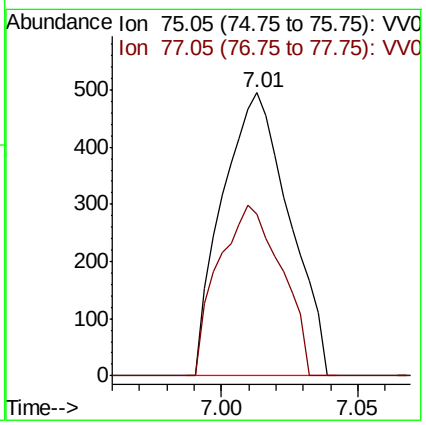


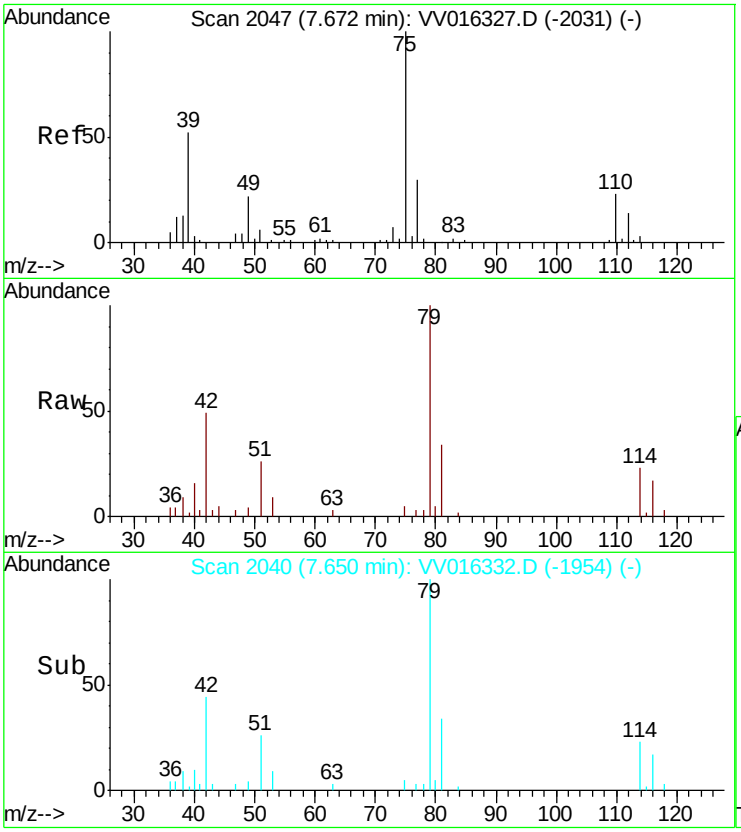




#39
cis-1,3-Dichloropropene
Concen: 0.106 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion: 75 Resp: 841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 57.0 | 21.7 | 40.3# |



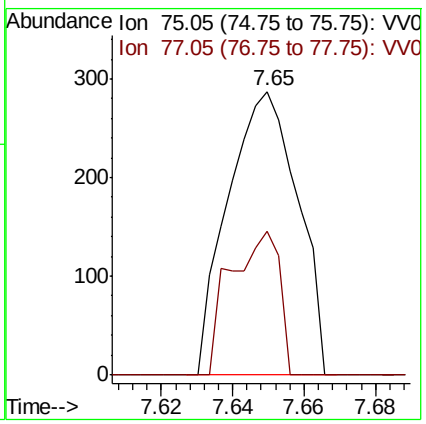


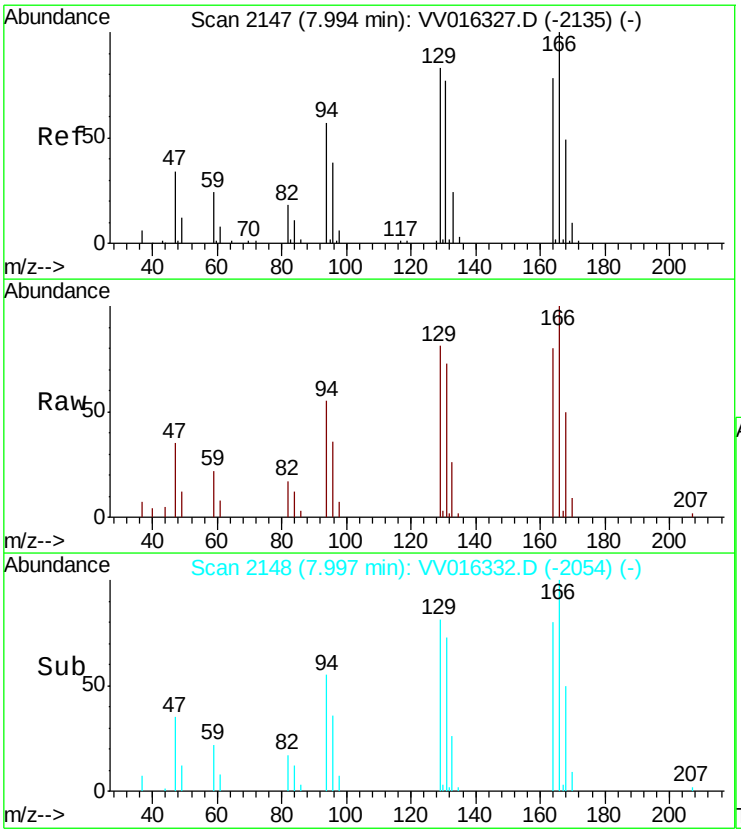

#46
trans-1,3-Dichloropropene
Concen: 0.058 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion: 75 Resp: 387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 50.5 | 21.7 | 40.3# |

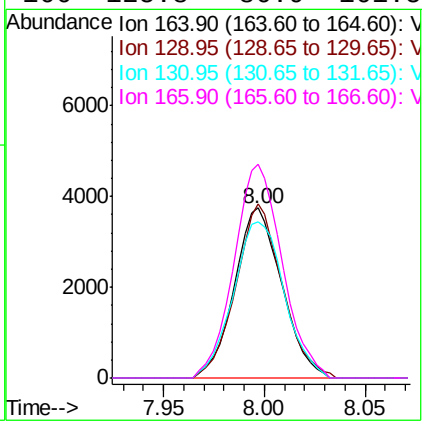


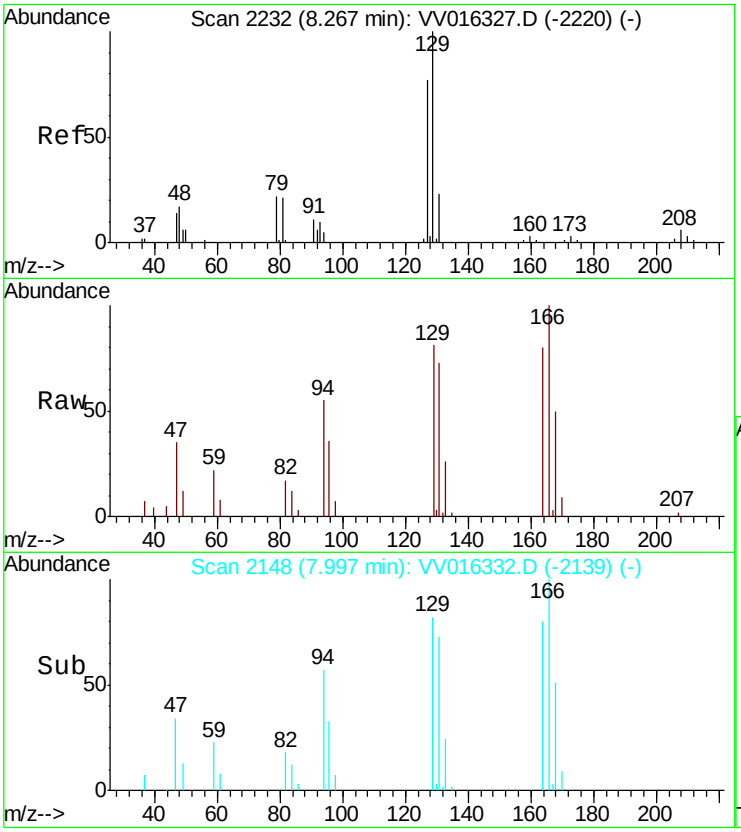




#49
Tetrachloroethene
Concen: 1.438 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion:164 Resp: 6168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 102.3 | 70.7 | 131.3 |
| 131 | 92.2 | 66.6 | 123.8 |
| 166 | 125.8 | 86.9 | 161.5 |



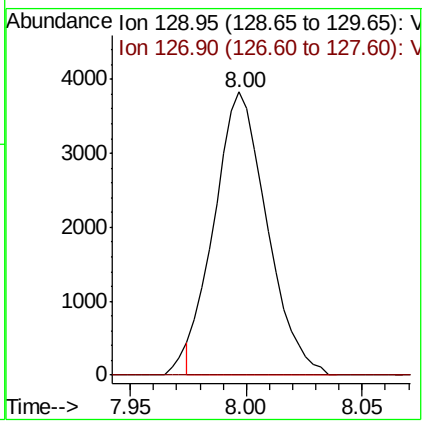


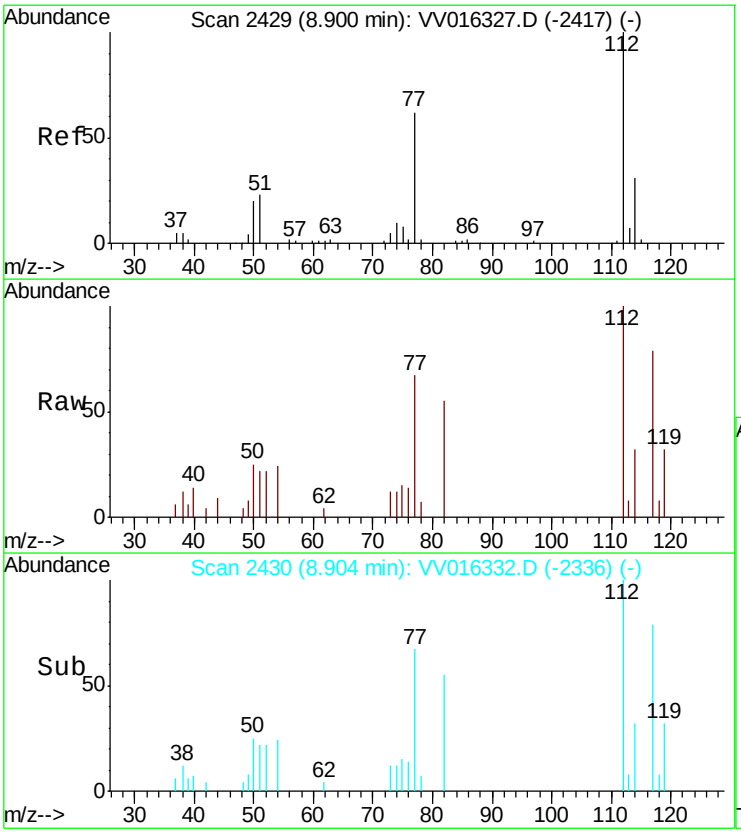

#51
Dibromochloromethane
Concen: 1.538 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion:129 Resp: 6028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 55.2 | 102.4# |

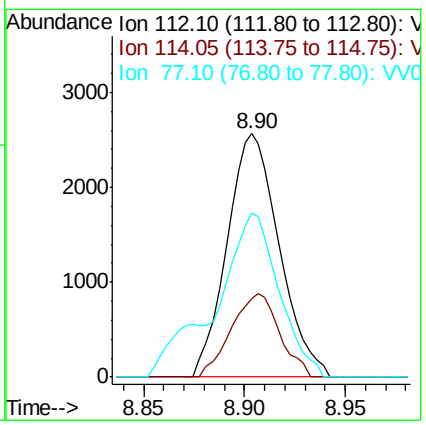


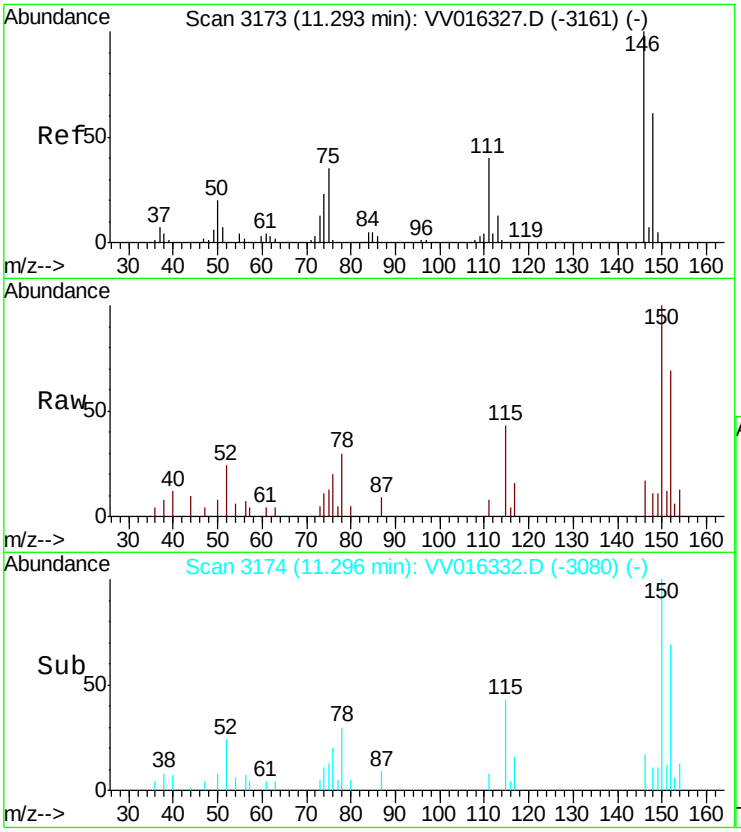




#53
Chlorobenzene
Concen: 0.299 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion:112 Resp: 4625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 22.3 | 41.3 |
| 77 | 67.5 | 50.7 | 76.1 |



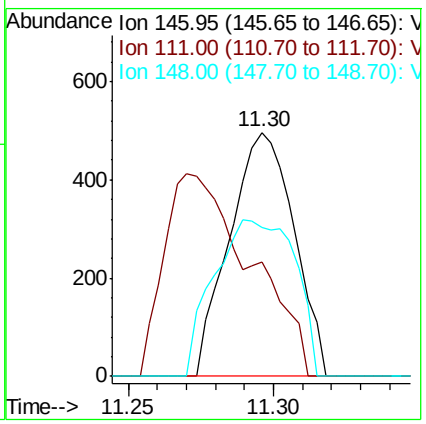


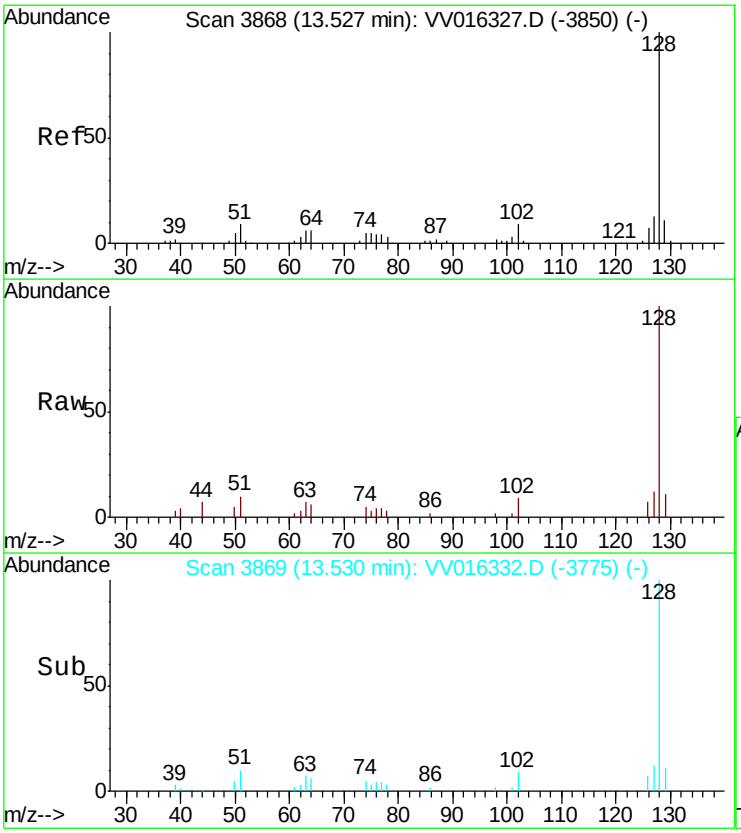

#64
1,4-Dichlorobenzene
Concen: 0.072 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

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

Tgt Ion:146 Resp: 766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.0 | 28.3 | 52.7 |
| 148 | 61.1 | 43.3 | 80.3 |




#70
Naphthalene
Concen: 0.637 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.00 min
Lab File: VV016332.D
Acq: 30 May 2020 00:15

Tgt Ion:128 Resp: 9108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 8.6 | 13.0 |
| 127 | 13.2 | 10.6 | 15.8 |