Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR100218\
Data File : VR025924.D
Acq On : 2 Oct 2018 13:06
Operator : SY/MD
Sample : J5160-07MS
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :**

Quant Time: Oct 03 02:54:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 03 02:53:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.46 | 114 | 436683 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.29 | 117 | 370598 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152 | 127302 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.16 | 65 | 157604 | 4.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 91.60% | | | |
| 7) Chloroethane-d5 | 2.63 | 69 | 142874 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 101.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.64 | 63 | 385885 | 4.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 95.40% | | | |
| 20) 2-Butanone-d5 | 6.59 | 46 | 215070 | 56.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 112.04% | | | |
| 24) Chloroform-d | 7.20 | 84 | 279588 | 4.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 7.90 | 65 | 137470 | 5.33 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 106.60% | | | |
| 32) Benzene-d6 | 7.85 | 84 | 540154 | 4.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 8.89 | 67 | 157593 | 4.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 94.80% | | | |
| 41) Toluene-d8 | 9.97 | 98 | 474707 | 4.10 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 82.00% | | | |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79 | 29083 | 3.86 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 77.20% | | | |
| 46) 2-Hexanone-d5 | 10.59 | 63 | 165920 | 57.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 115.34% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84 | 66187 | 4.91 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 98.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 13.52 | 152 | 95409 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 93.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 2.13 | 62 | 2315 | 0.062 | ug/L | 87 |
| 12) 1,1-Dichloroethene | 3.65 | 96 | 190714 | 5.786 | ug/L | 79 |
| 19) 1,1-Dichloroethane | 5.68 | 63 | 37684 | 0.698 | ug/L | 94 |
| 22) cis-1,2-Dichloroethene | 6.67 | 96 | 7523 | 0.274 | ug/L # | 94 |
| 33) Benzene | 7.91 | 78 | 667809 | 5.372 | ug/L | 100 |
| 34) Trichloroethene | 8.71 | 95 | 176731 | 5.396 | ug/L | 94 |
| 35) Methylcyclohexane | 8.89 | 83 | 37211 | 0.756 | ug/L # | 15 |
| 37) 1,2-Dichloropropane | 9.00 | 63 | 2242 | 0.084 | ug/L # | 74 |
| 39) cis-1,3-Dichloropropene | 9.68 | 75 | 4350 | 0.145 | ug/L | 87 |
| 42) Toluene | 10.04 | 91 | 715172 | 5.537 | ug/L | 94 |
| 47) Tetrachloroethene | 10.52 | 164 | 5405 | 0.268 | ug/L # | 71 |
| 48) 2-Hexanone | 10.59 | 43 | 27471 | 4.475 | ug/L # | 71 |
| 51) Chlorobenzene | 11.32 | 112 | 382443 | 5.582 | ug/L | 94 |
| 66) 1,2-Dibromo-3-chloropropan | 14.13 | 75 | 390 | 0.310 | ug/L # | 24 |

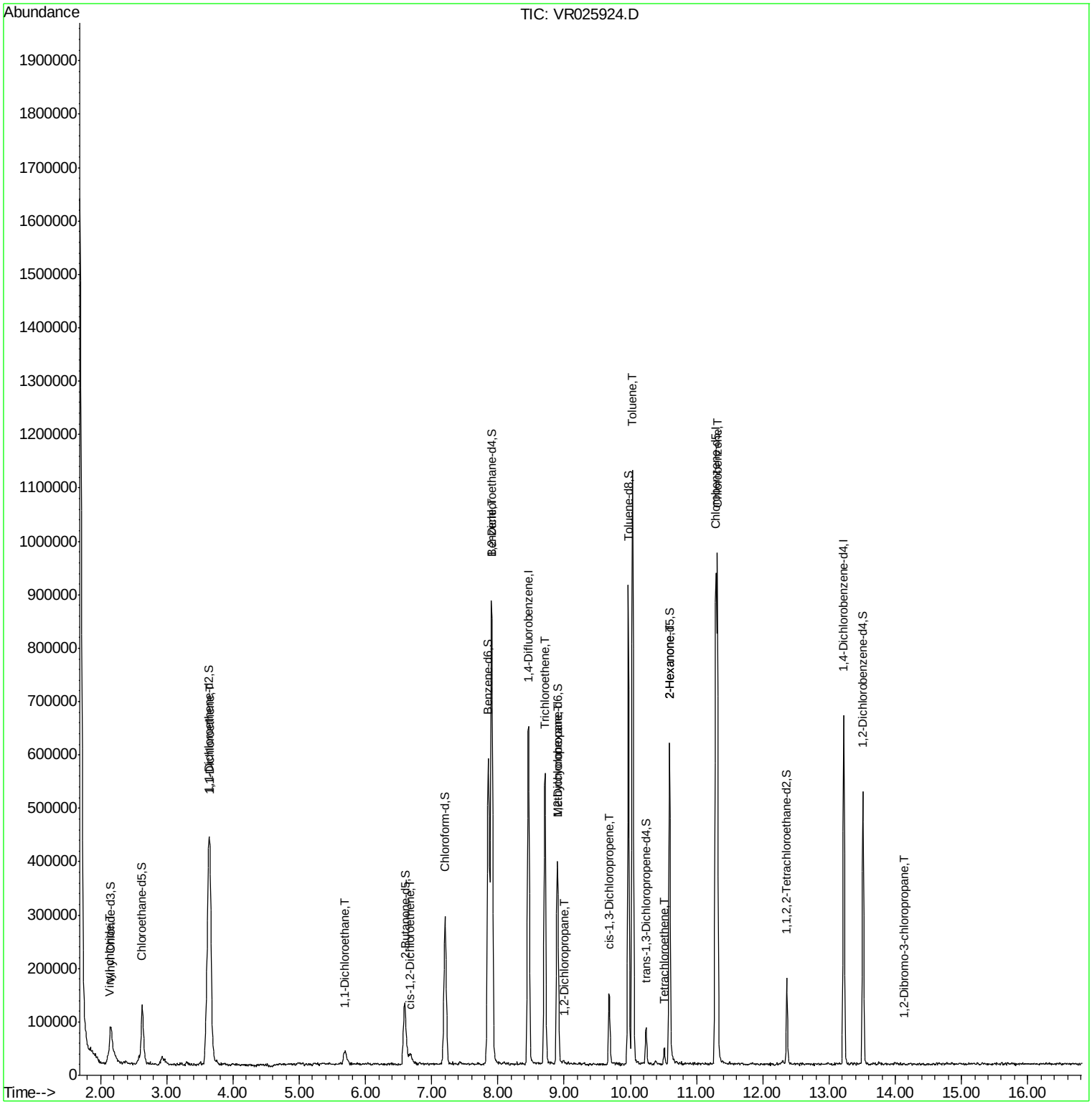
(#) = qualifier out of range (m) = manual integration (+) = signals summed

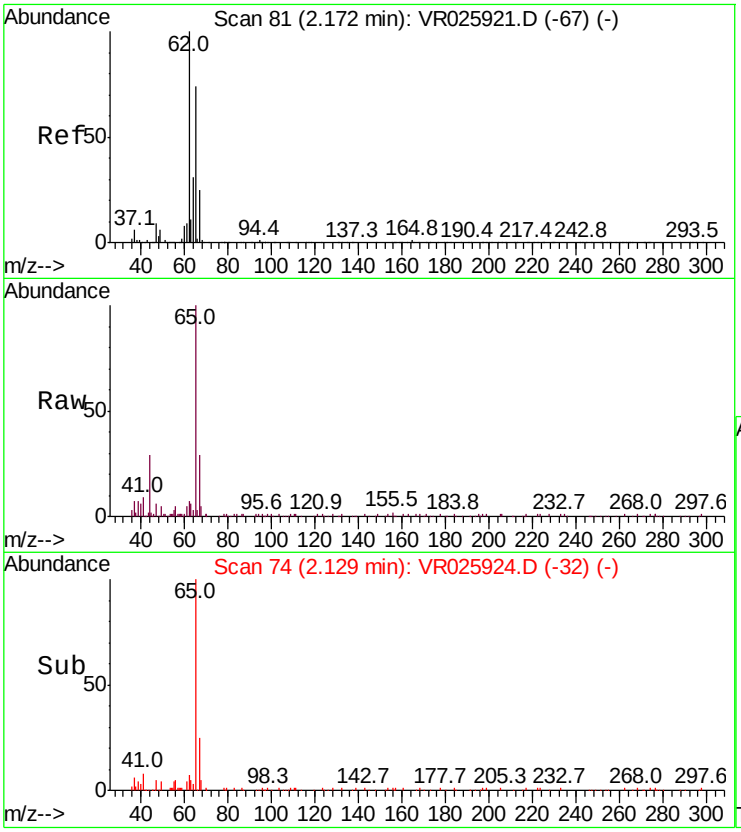
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100218\
Data File : VR025924.D
Acq On : 2 Oct 2018 13:06
Operator : SY/MD
Sample : J5160-07MS
Misc : 25mL/MSVOA R/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_R
**ClientSampleId :**

Quant Time: Oct 03 02:54:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 03 02:53:45 2018
Response via : Initial Calibration



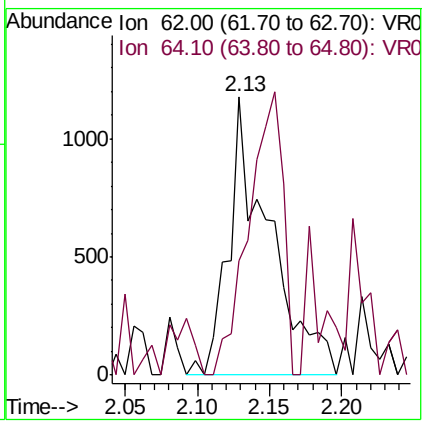


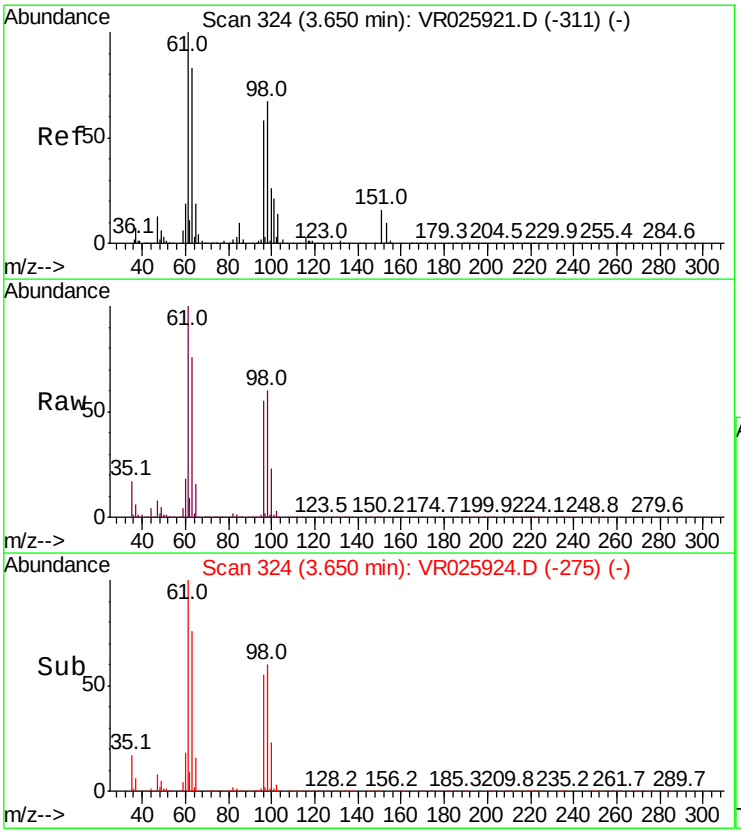

#5
Vinyl chloride
Concen: 0.062 ug/L
RT: 2.13 min Scan# 74
Delta R.T. -0.04 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 62 Resp: 2315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 40.8 | 23.5 | 43.7 |

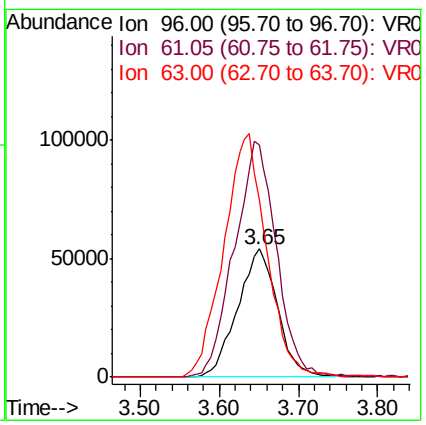


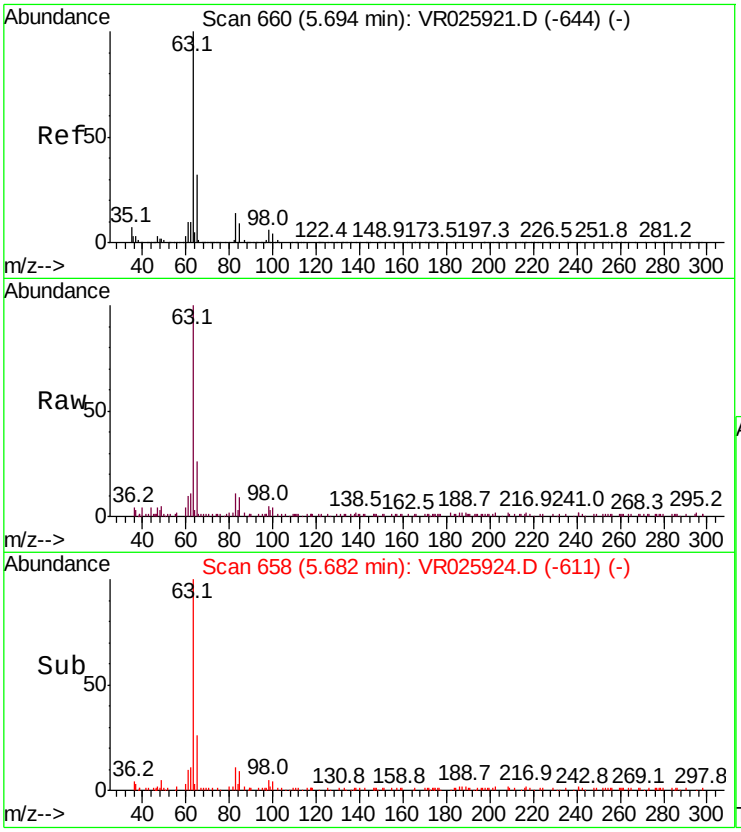




#12
1,1-Dichloroethene
Concen: 5.786 ug/L
RT: 3.65 min Scan# 324
Delta R.T. -0.00 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

Tgt Ion: 96 Resp: 190714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 182.1 | 145.0 | 269.4 |
| 63 | 139.0 | 123.8 | 230.0 |



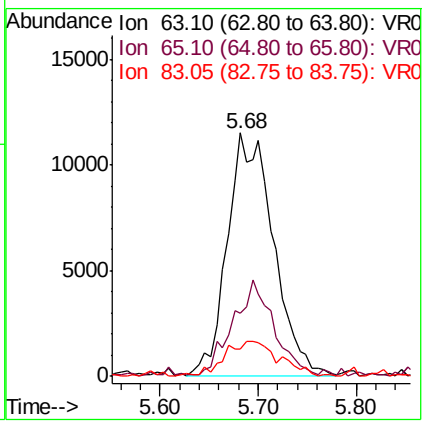


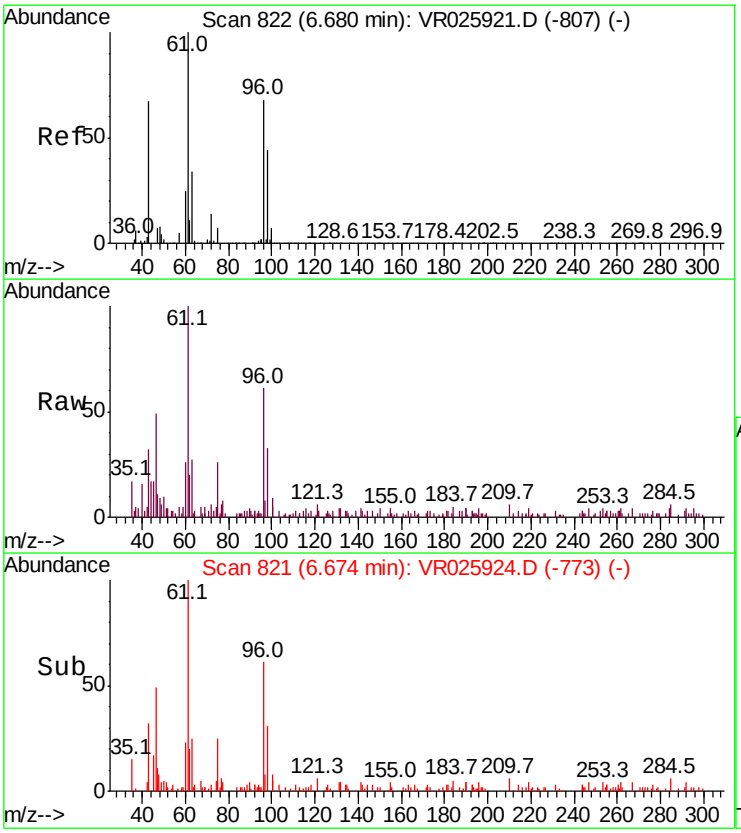

#19
1,1-Dichloroethane
Concen: 0.698 ug/L
RT: 5.68 min Scan# 658
Delta R.T. -0.01 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 63 Resp: 37684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 26.0 | 21.1 | 39.1 |
| 83 | 11.2 | 8.9 | 16.5 |

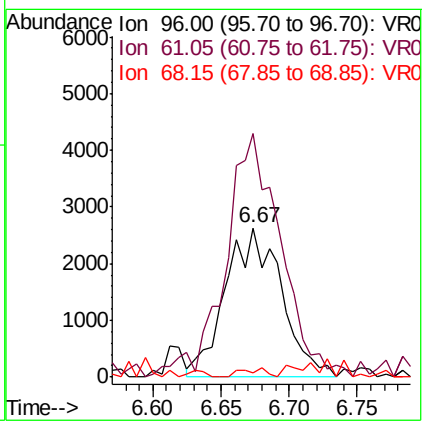


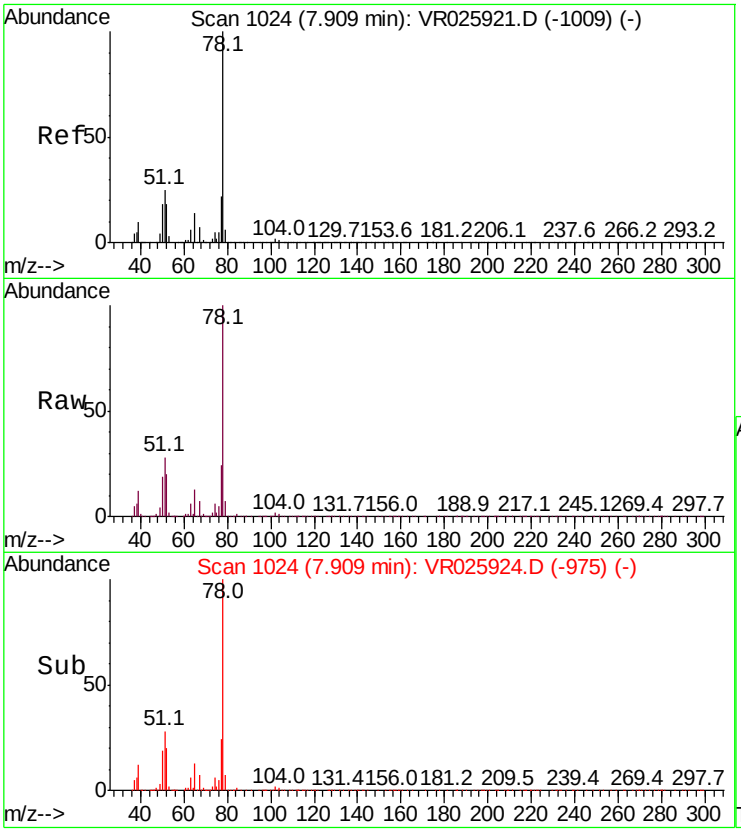




#22
cis-1,2-Dichloroethene
Concen: 0.274 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

Tgt Ion: 96 Resp: 7523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.0 | 108.7 | 201.9 |
| 68 | 3.1 | 0.1 | 0.1# |

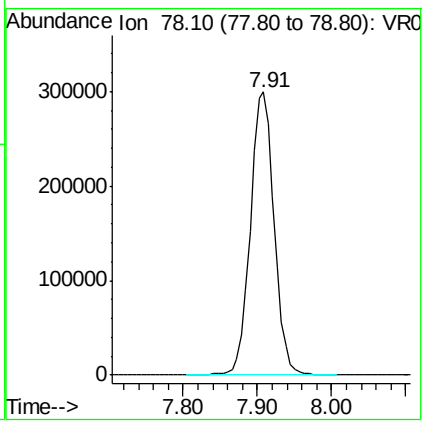


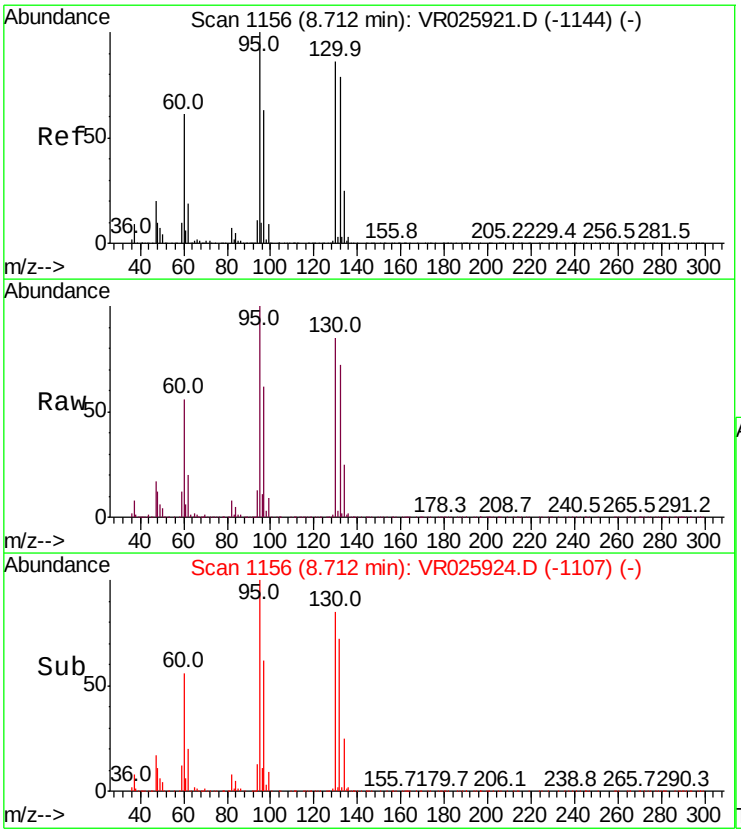



#33
Benzene
Concen: 5.372 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 78 Resp: 667809

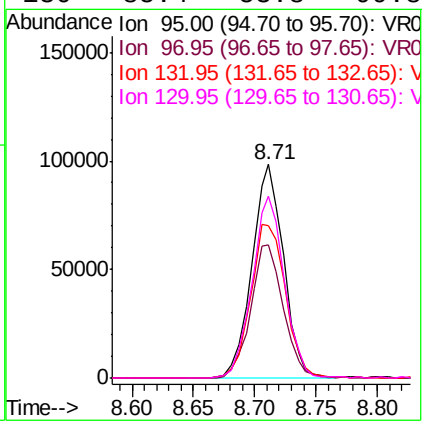


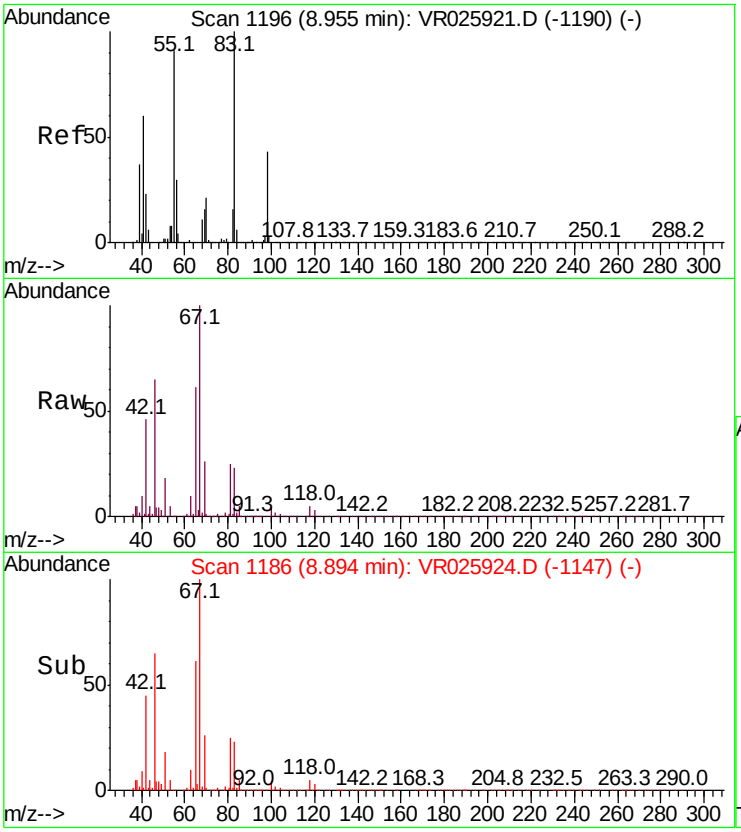




#34
Trichloroethene
Concen: 5.396 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

Tgt Ion: 95 Resp: 176731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 62.1 | 43.9 | 81.5 |
| 132 | 71.5 | 53.3 | 98.9 |
| 130 | 85.4 | 53.8 | 99.8 |



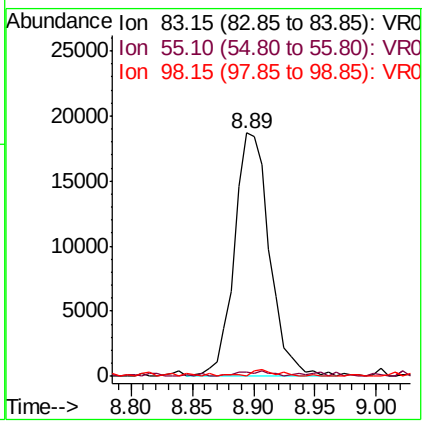


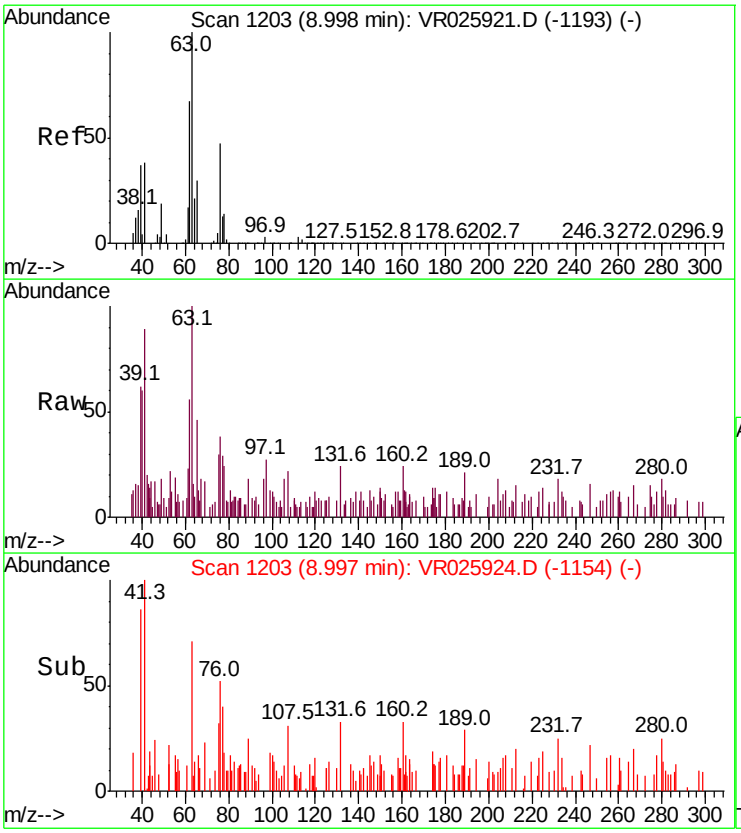

#35
Methylcyclohexane
Concen: 0.756 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.06 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 83 Resp: 37211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 1.1 | 71.8 | 107.6# |
| 98 | 1.8 | 34.2 | 51.4# |

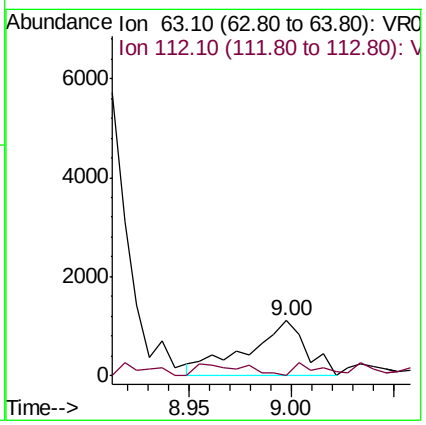


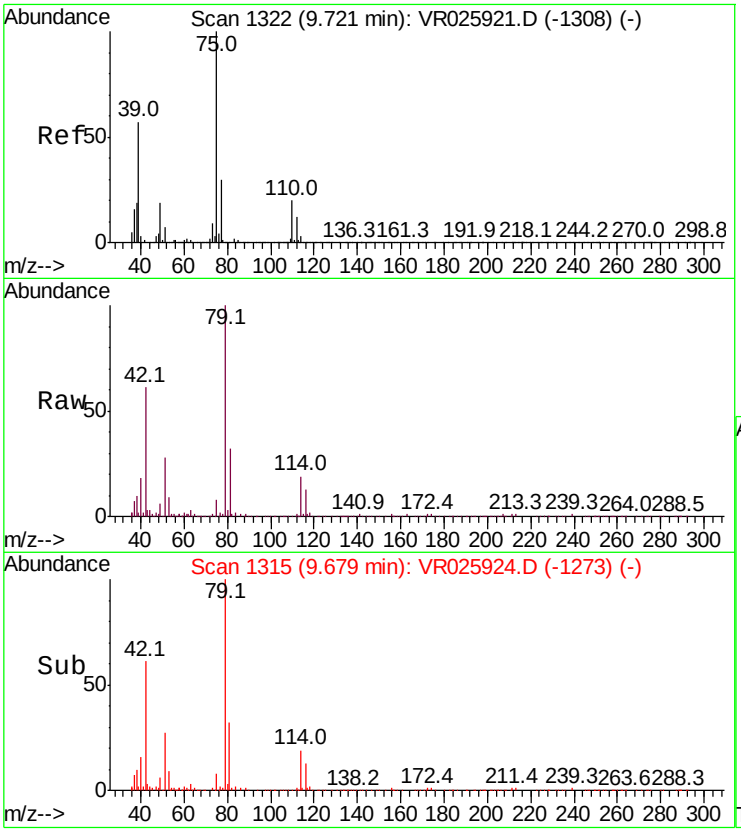




#37
1,2-Dichloropropane
Concen: 0.084 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

Tgt Ion: 63 Resp: 2242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 11.8 | 2.5 | 3.7# |



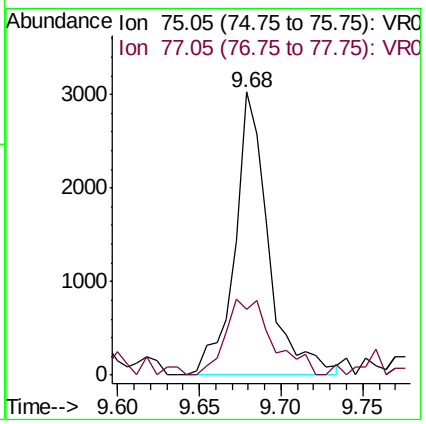


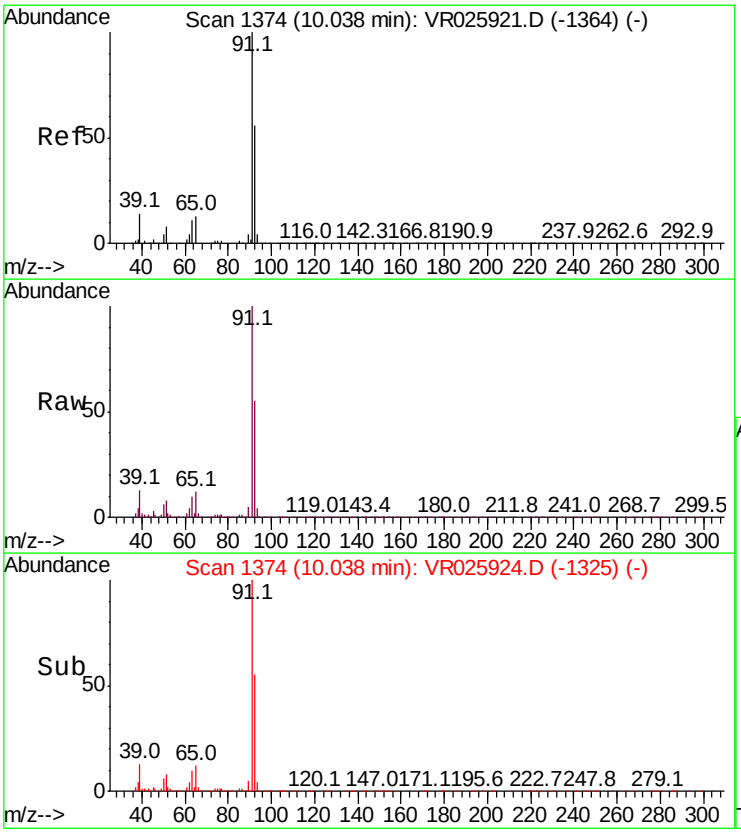

#39
cis-1,3-Dichloropropene
Concen: 0.145 ug/L
RT: 9.68 min Scan# 1315
Delta R.T. -0.04 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion: 75 Resp: 4350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 23.5 | 21.5 | 39.9 |

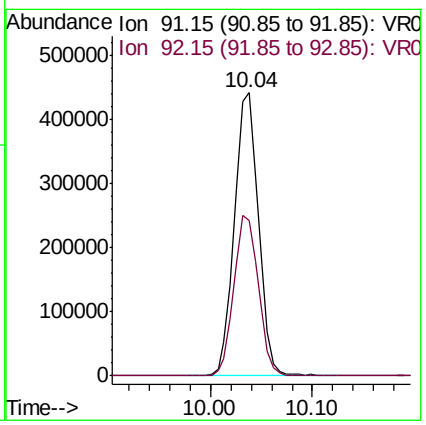


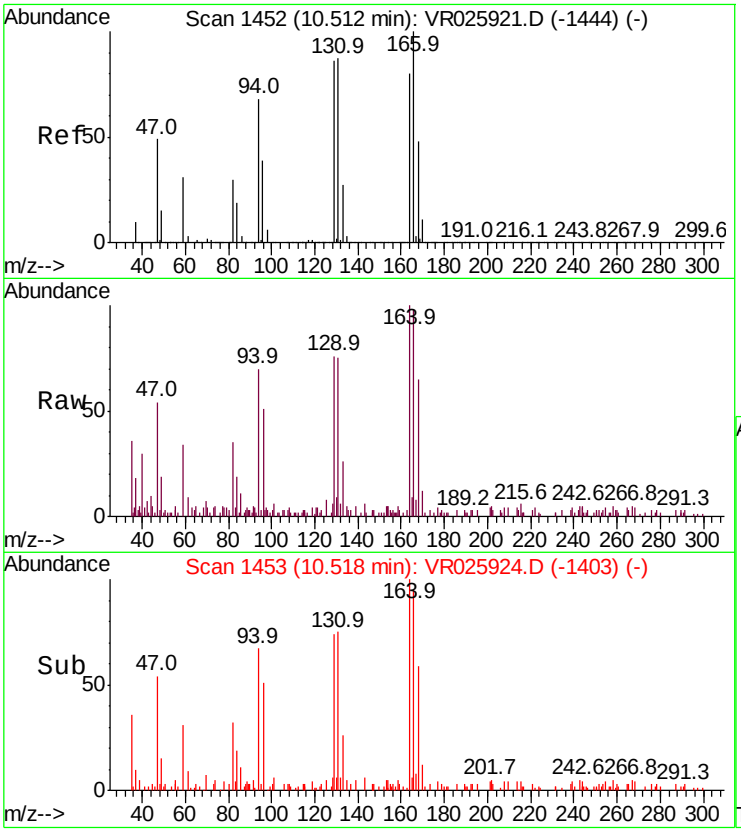




#42
Toluene
Concen: 5.537 ug/L
RT: 10.04 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

Tgt Ion: 91 Resp: 715172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.8 | 41.8 | 77.6 |



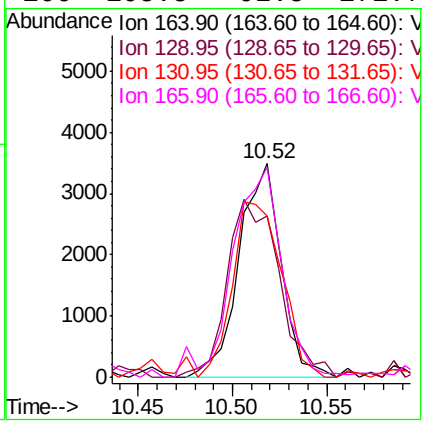


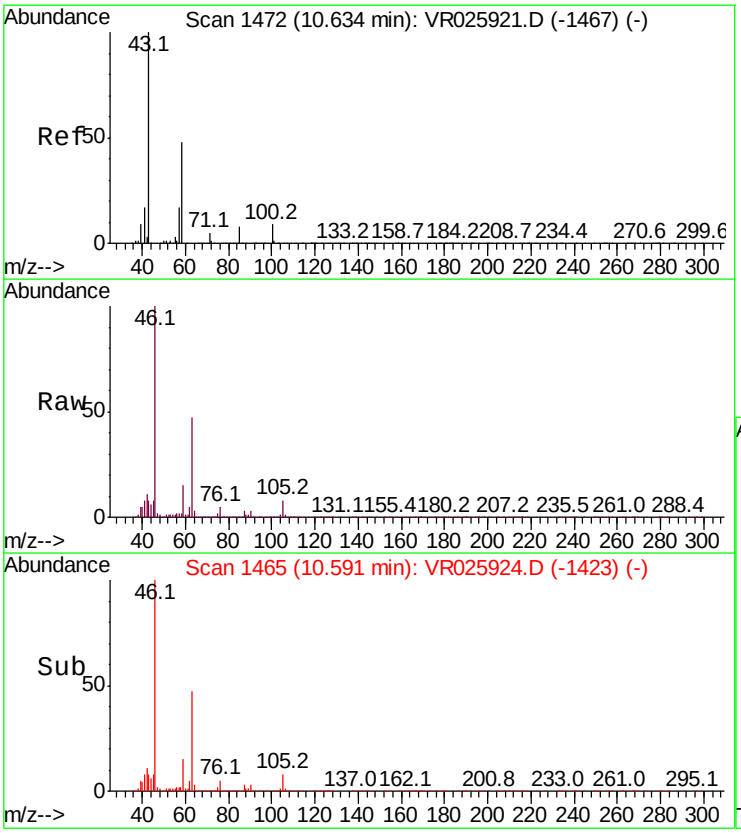

#47
Tetrachloroethene
Concen: 0.268 ug/L
RT: 10.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion:164 Resp: 5405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 75.6 | 80.8 | 150.2# |
| 131 | 75.5 | 74.5 | 138.3 |
| 166 | 105.5 | 92.5 | 171.7 |

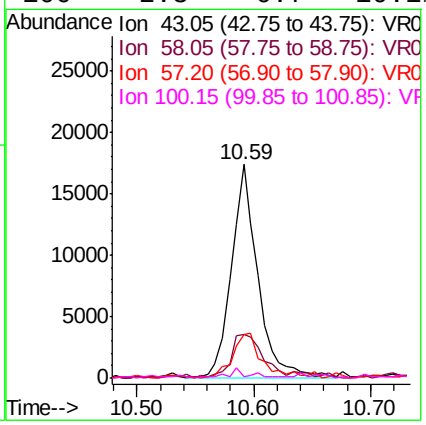


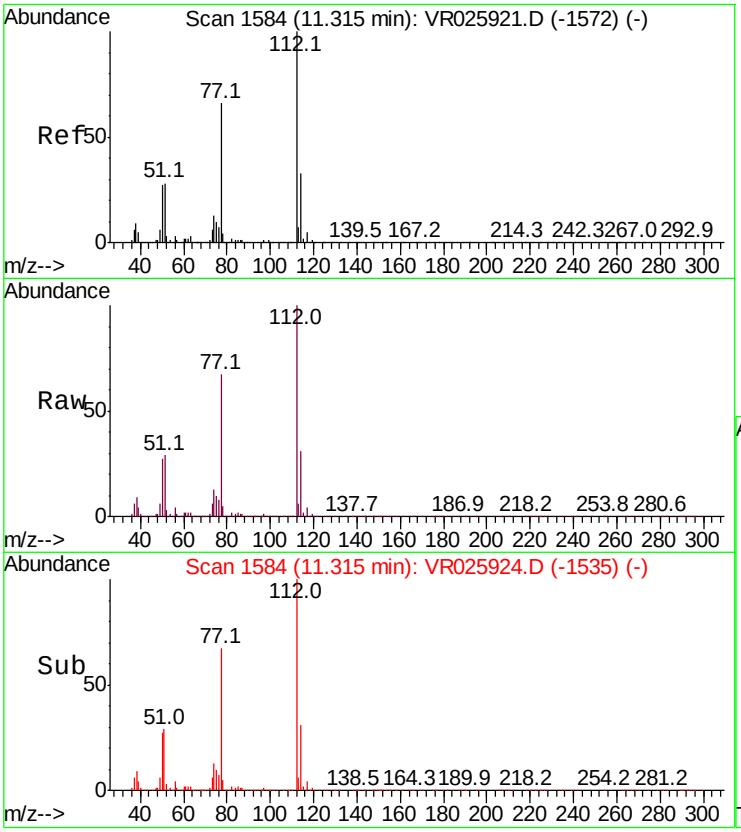




#48
2-Hexanone
Concen: 4.475 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

Tgt Ion: 43 Resp: 27471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.9 | 39.5 | 59.3# |
| 57 | 23.1 | 14.6 | 21.8# |
| 100 | 2.3 | 6.7 | 10.1# |



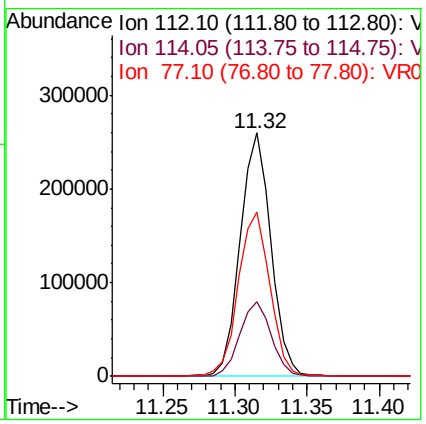


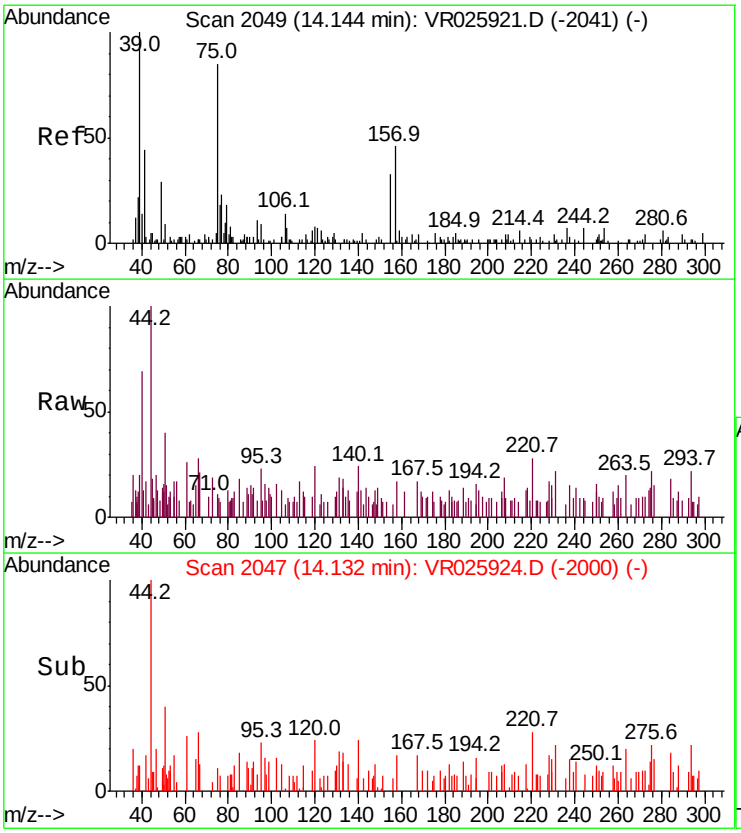

#51
Chlorobenzene
Concen: 5.582 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

**Instrument :**
MSVOA_R
**ClientSampleId :**

Tgt Ion:112 Resp: 382443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.9 | 22.7 | 42.3 |
| 77 | 67.4 | 58.5 | 87.7 |




#66
1,2-Dibromo-3-chloropropane
Concen: 0.310 ug/L
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: VR025924.D
Acq: 2 Oct 2018 13:06

Tgt Ion: 75 Resp: 390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 37.8 | 56.6# |
| 157 | 0.0 | 49.7 | 74.5# |