Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081519\

Quantitation Report (Not Reviewed)

Data File : VV012256.D
Acq On : 15 Aug 2019 18:32
Operator : SY/MD
Sample : K4337-19
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB6

Quant Time: Aug 16 04:25:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 04:21:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 169135 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 162489 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 94547 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 37396 | 3.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 71.80% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 26849 | 3.37 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 67.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 55905 | 3.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 65.60% | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 109864 | 48.82 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 97.64% | | | |
| 24) Chloroform-d | 4.40 | 84 | 95381 | 4.62 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 49459 | 5.07 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.40% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 188678 | 4.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 91.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 55828 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 92.20% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 168438 | 4.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 89.80% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 21543 | 4.65 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 93.00% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 89073 | 59.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 119.76% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 43492 | 5.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 103.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 79026 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 98.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.25 | 50 | 1103 | 0.075 | ug/L | 94 |
| 8) Chloroethane | 1.61 | 64 | 1097 | 0.126 | ug/L # | 44 |
| 13) Acetone | 2.20 | 43 | 4144 | 2.955 | ug/L | 94 |
| 14) Carbon disulfide | 2.32 | 76 | 1234 | 0.047 | ug/L # | 71 |
| 27) 1,2-Dichloroethane | 5.14 | 62 | 3704 | 0.273 | ug/L # | 74 |
| 33) Benzene | 5.14 | 78 | 469309 | 9.575 | ug/L | 100 |
| 35) Methylcyclohexane | 6.11 | 83 | 14174 | 0.687 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 6628 | 0.542 | ug/L # | 86 |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 1676 | 0.100 | ug/L # | 63 |
| 42) Toluene | 7.43 | 91 | 87948 | 1.687 | ug/L | 96 |
| 44) trans-1,3-Dichloropropene | 7.66 | 75 | 1111 | 0.084 | ug/L # | 73 |
| 45) 1,1,2-Trichloroethane | 7.74 | 97 | 3610 | 0.443 | ug/L # | 19 |
| 48) 2-Hexanone | 8.13 | 43 | 12540 | 2.646 | ug/L # | 68 |
| 52) Ethylbenzene | 9.05 | 91 | 146871 | 2.643 | ug/L | 99 |
| 53) m,p-xylene | 9.18 | 106 | 51852 | 2.430 | ug/L | 97 |
| 54) o-xylene | 9.59 | 106 | 61888 | 3.064 | ug/L | 98 |
| 55) Styrene | 9.60 | 104 | 12721 | 0.377 | ug/L # | 51 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081519\

Quantitation Report (Not Reviewed)

Data File : VV012256.D
Acq On : 15 Aug 2019 18:32
Operator : SY/MD
Sample : K4337-19
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB6

Quant Time: Aug 16 04:25:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 04:21:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 56) Isopropylbenzene | 9.97 | 105 | 22037 | 0.408 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.51 | 75 | 21236 | 11.551 | ug/L | # | 1 |

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

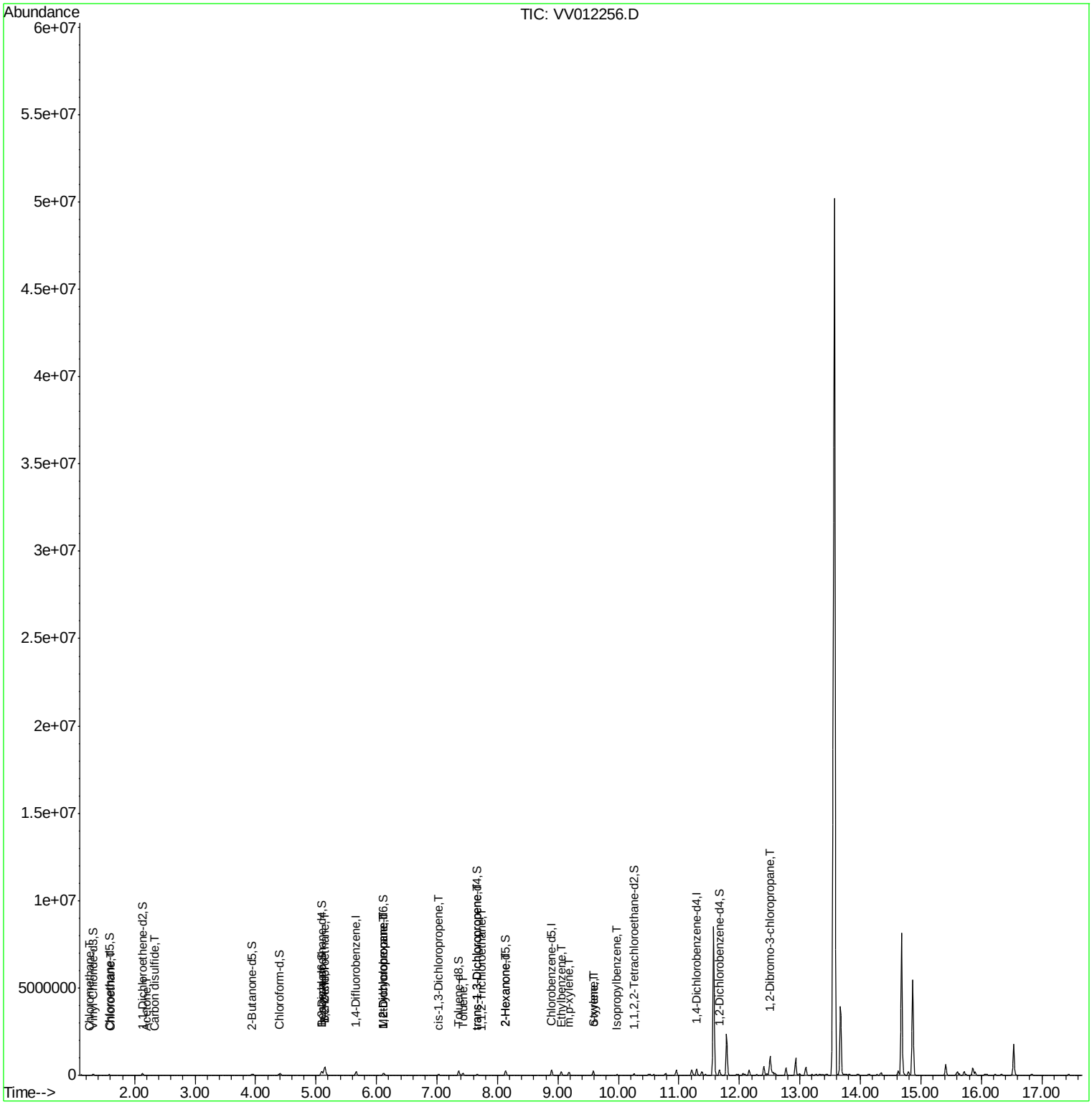
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081519\

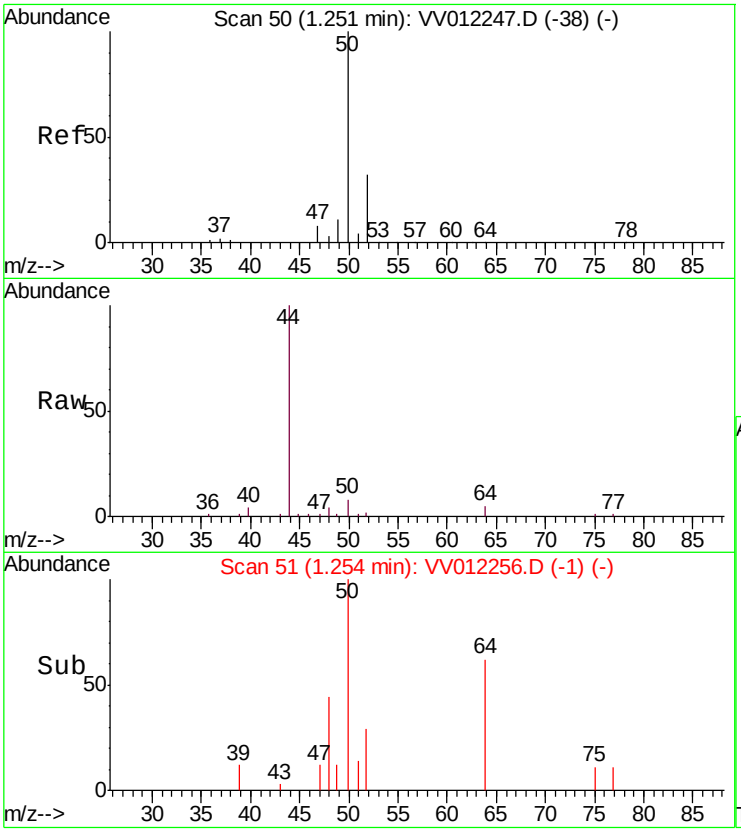
Quantitation Report (Not Reviewed)

Data File : VV012256.D
Acq On : 15 Aug 2019 18:32
Operator : SY/MD
Sample : K4337-19
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB6

Quant Time: Aug 16 04:25:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 16 04:21:37 2019
Response via : Initial Calibration



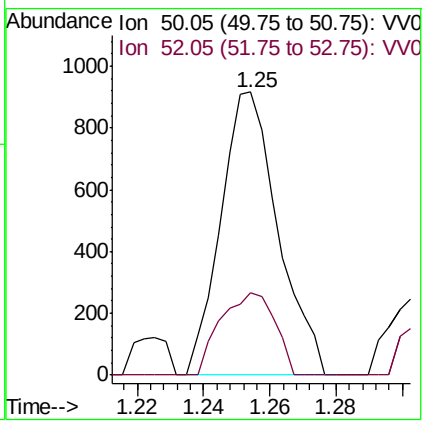


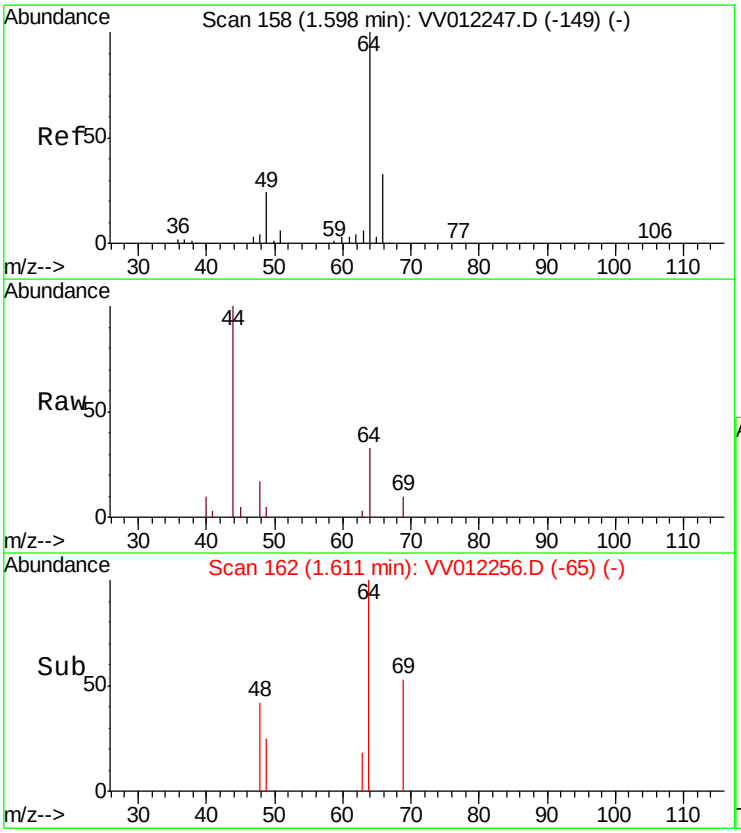

#3
Chloromethane
Concen: 0.075 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AB6

Tgt Ion: 50 Resp: 1103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 29.1 | 22.6 | 42.0 |

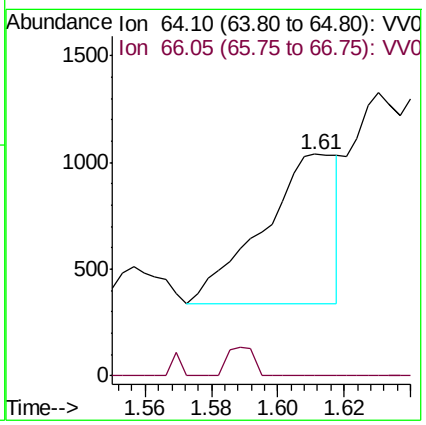


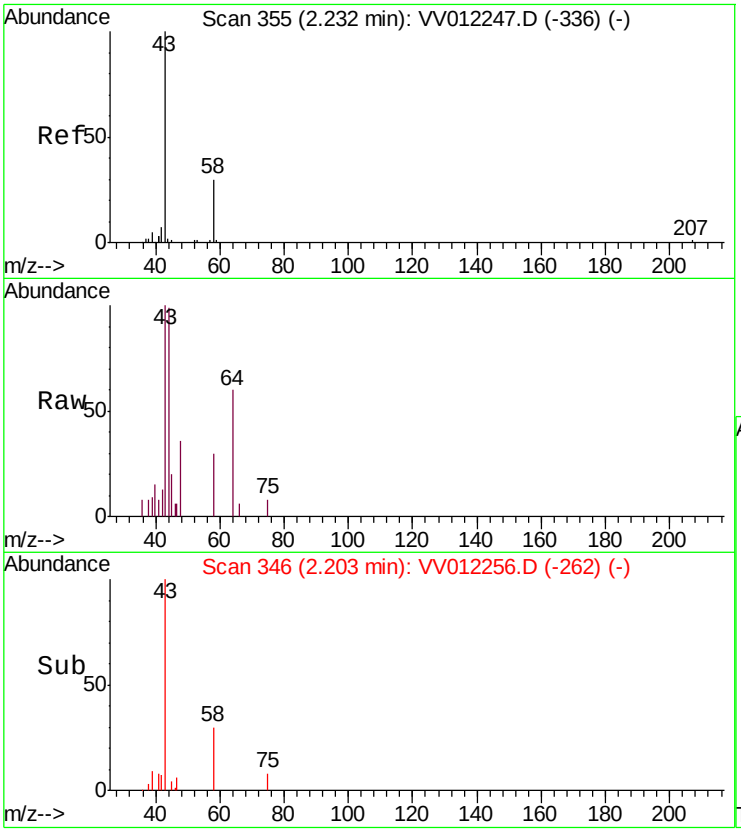




#8
Chloroethane
Concen: 0.126 ug/L
RT: 1.61 min Scan# 162
Delta R.T. 0.01 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion: 64 Resp: 1097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 21.8 | 40.4# |



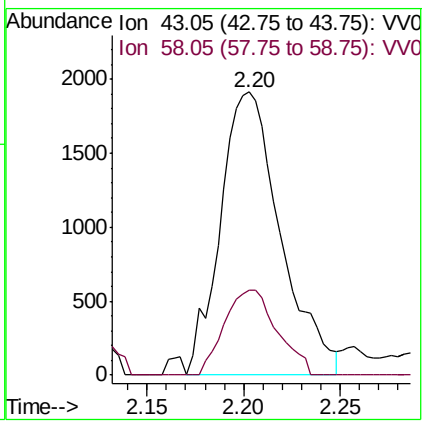


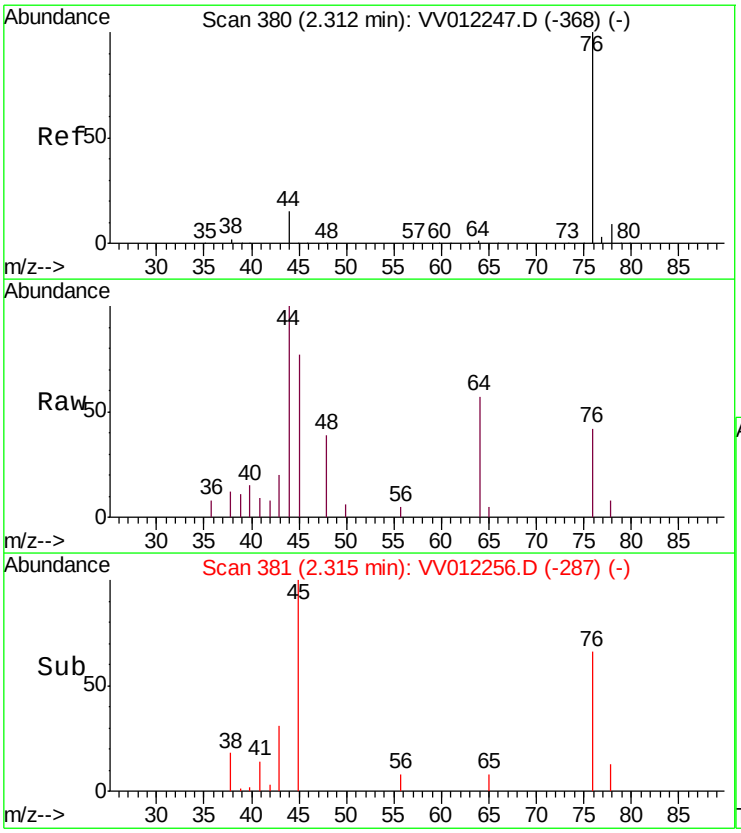

#13
Acetone
Concen: 2.955 ug/L
RT: 2.20 min Scan# 346
Delta R.T. -0.03 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AB6

Tgt Ion: 43 Resp: 4144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.5 | 0.0 | 59.4 |

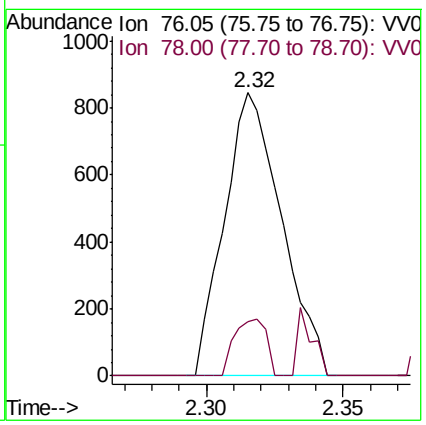


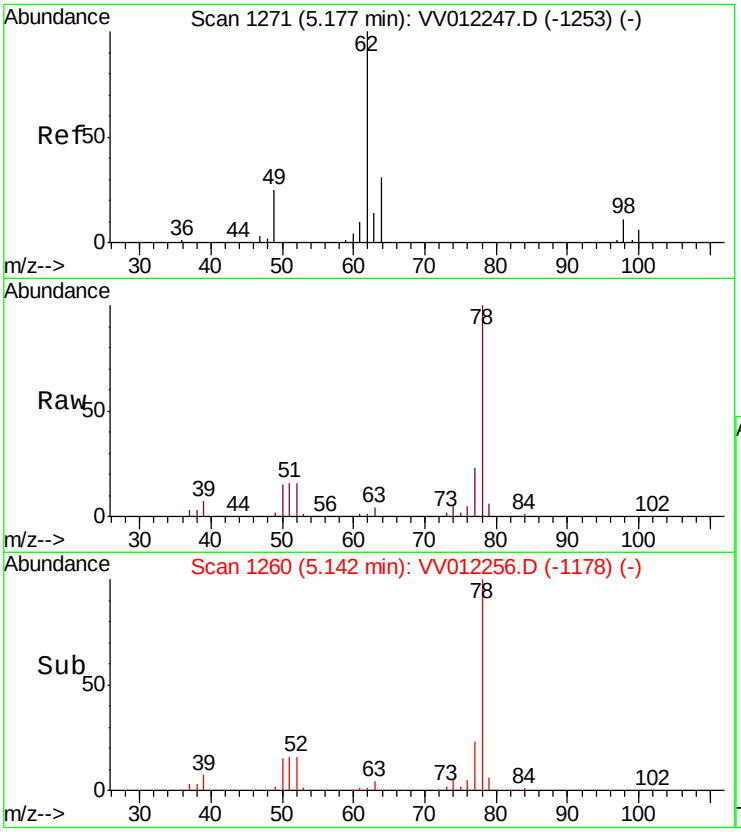




#14
Carbon disulfide
Concen: 0.047 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion: 76 Resp: 1234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 19.4 | 7.2 | 10.8# |



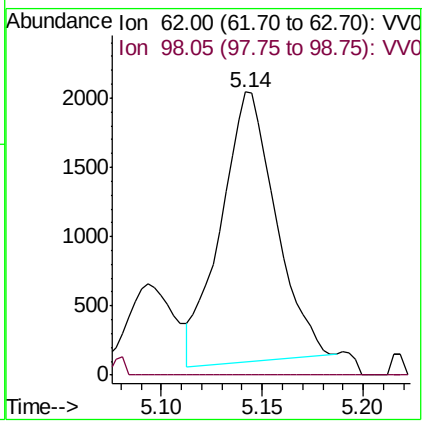


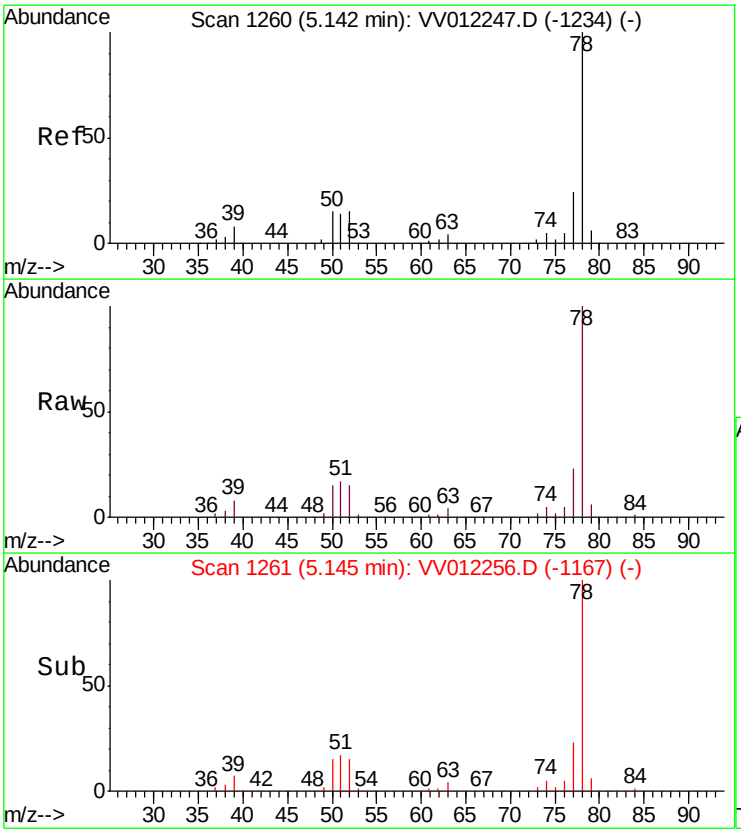

#27
1,2-Dichloroethane
Concen: 0.273 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.04 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AB6

Tgt Ion: 62 Resp: 3704

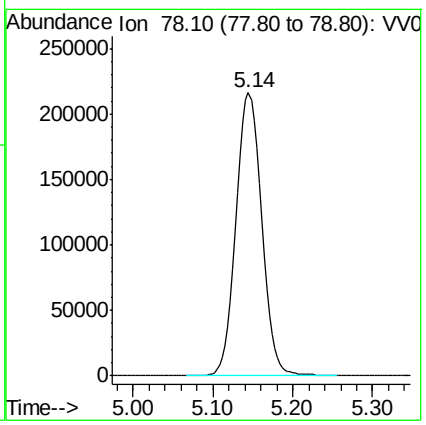
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 7.5 | 11.3# |

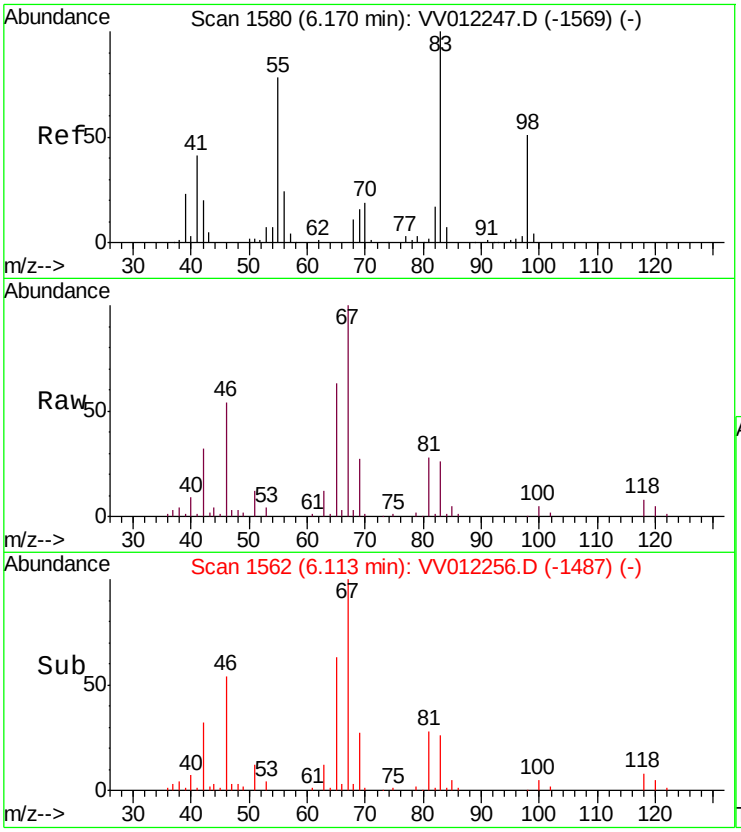



#33
Benzene
Concen: 9.575 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion: 78 Resp: 469309



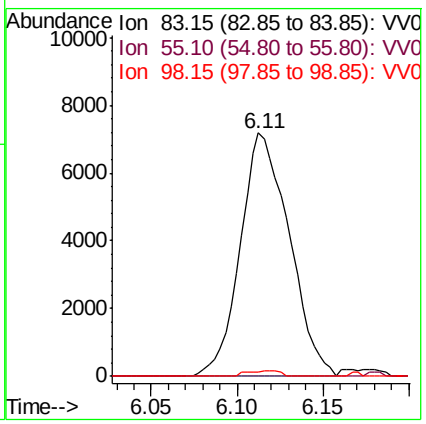


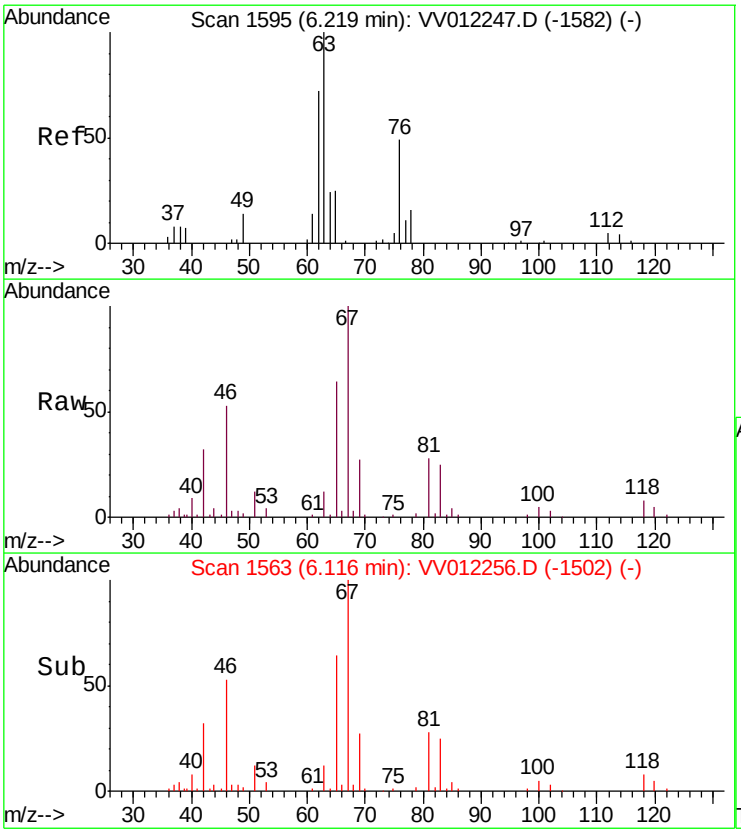

#35
Methylcyclohexane
Concen: 0.687 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB6

Tgt Ion: 83 Resp: 14174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 62.2 | 93.2# |
| 98 | 1.5 | 39.2 | 58.8# |

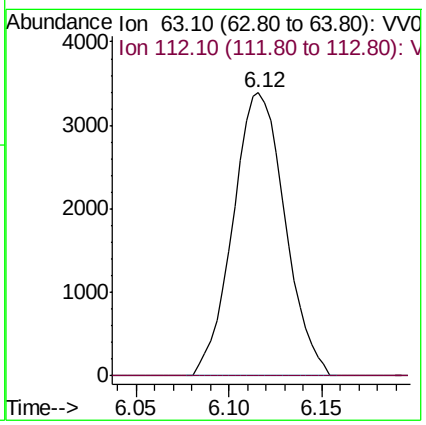


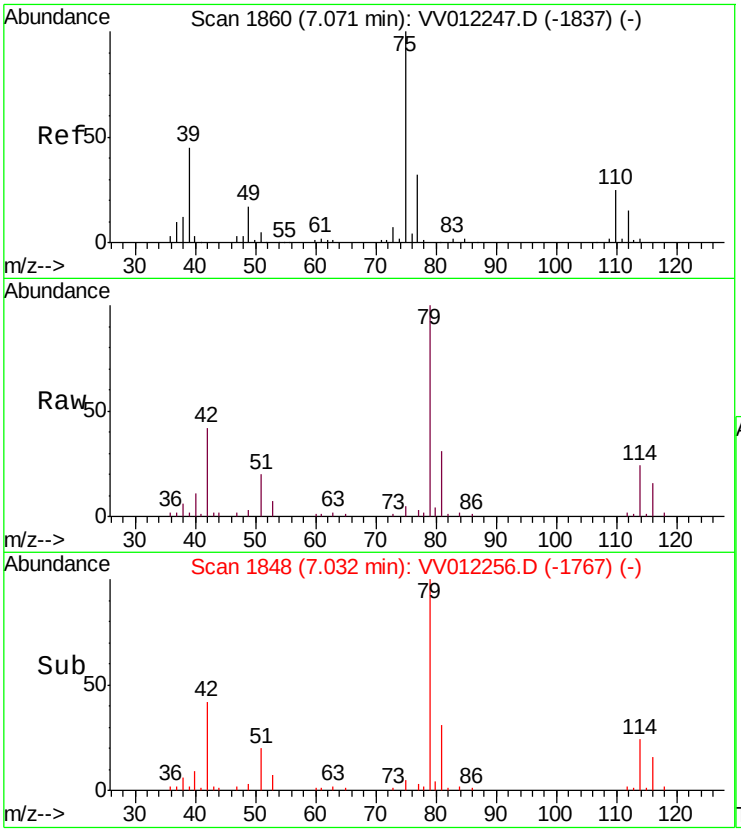




#37
1,2-Dichloropropane
Concen: 0.542 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion: 63 Resp: 6628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.3 | 3.8 | 5.8# |



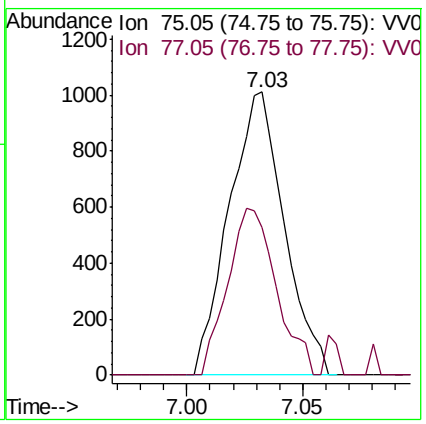


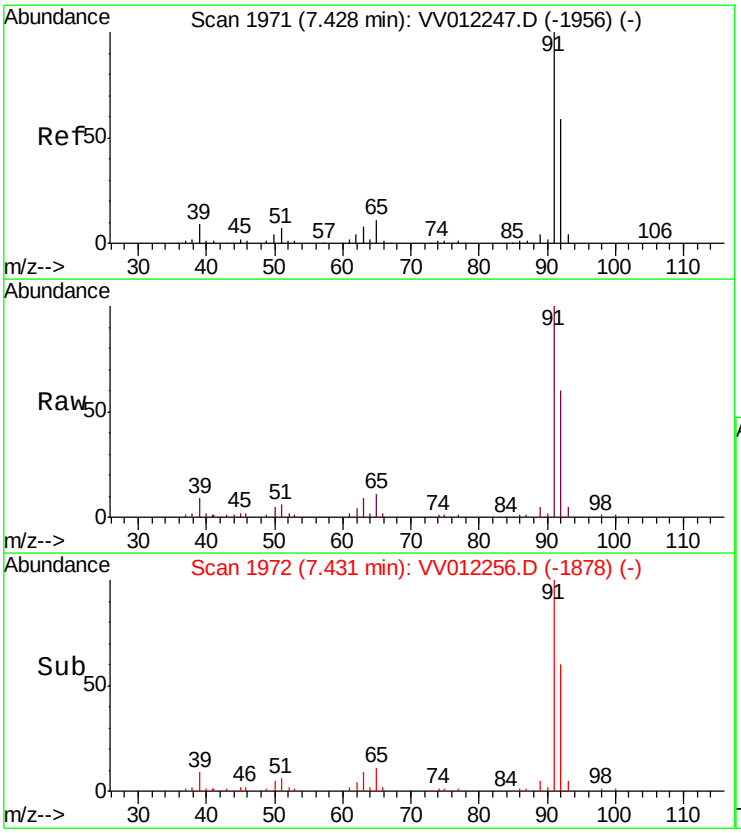

#39
cis-1,3-Dichloropropene
Concen: 0.100 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AB6

Tgt Ion: 75 Resp: 1676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 52.0 | 22.2 | 41.2# |

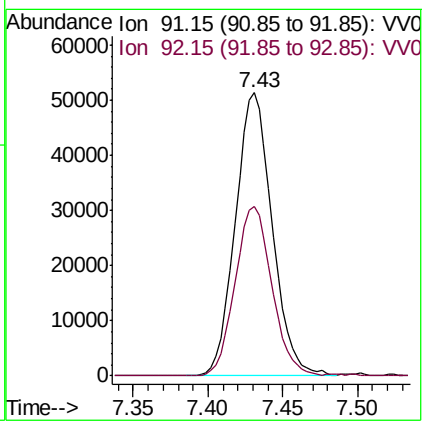


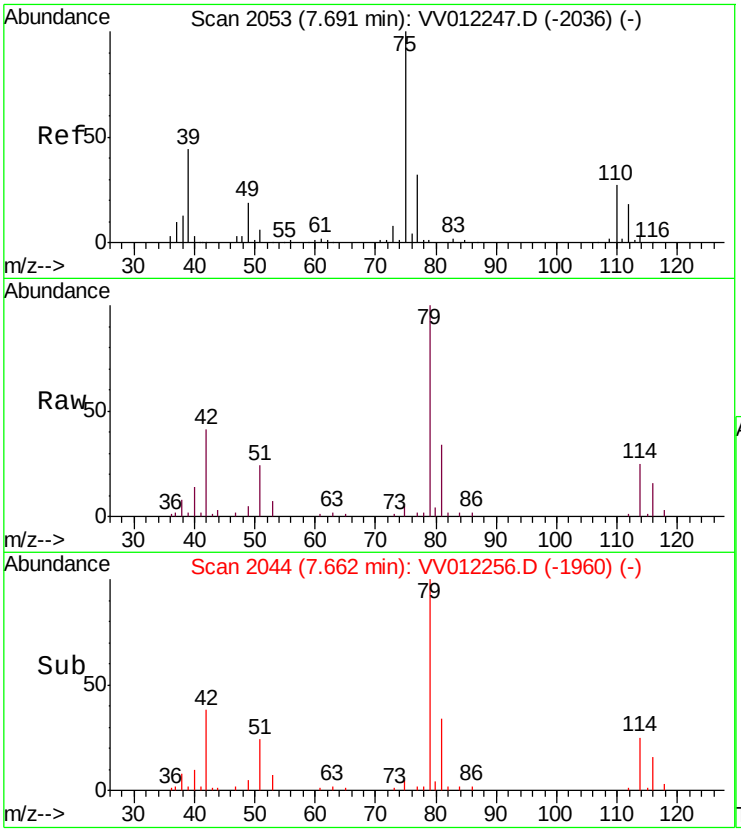




#42
Toluene
Concen: 1.687 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion: 91 Resp: 87948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.7 | 39.8 | 73.8 |



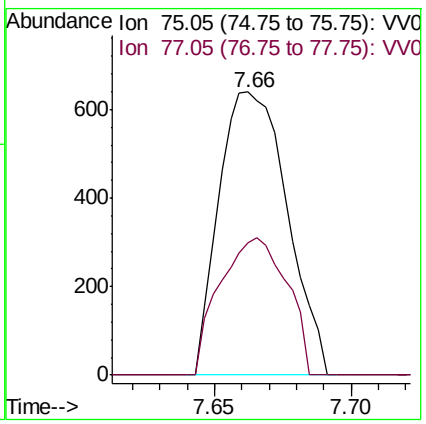


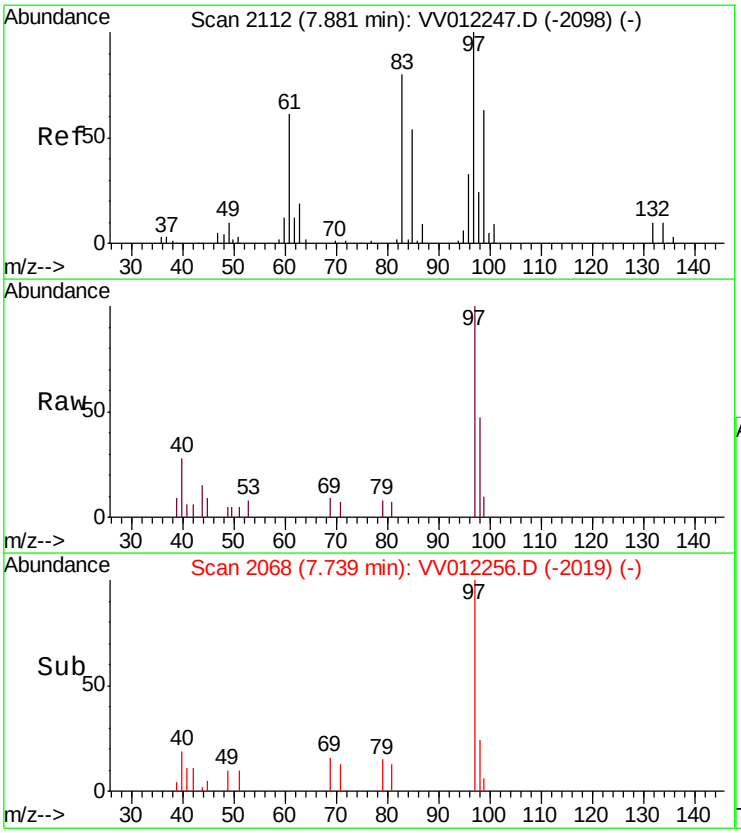

#44
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AB6

Tgt Ion: 75 Resp: 1111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 46.9 | 22.5 | 41.7# |

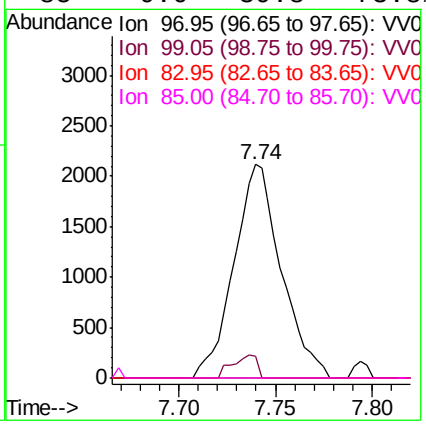


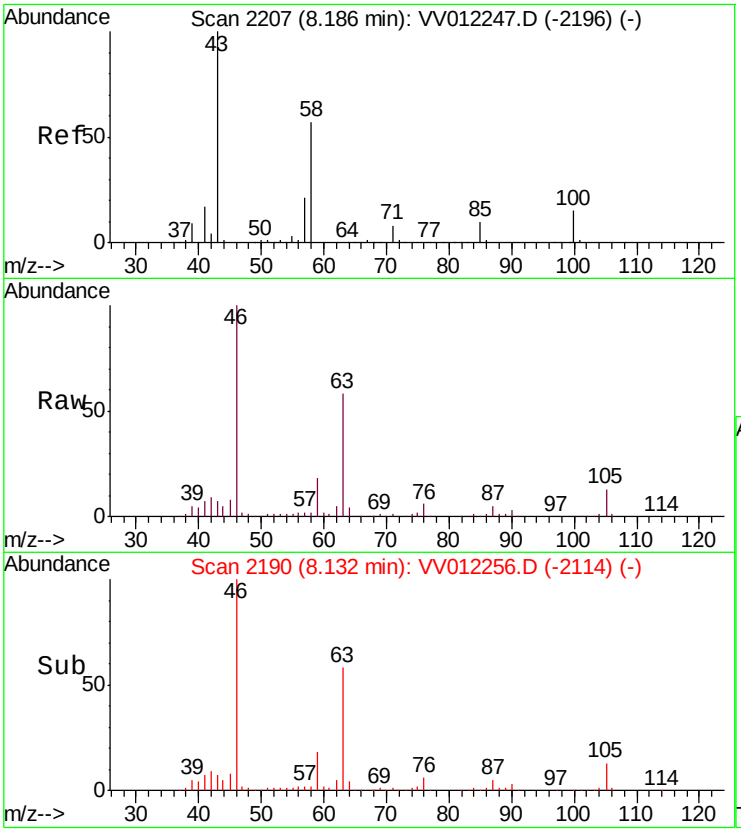




#45
1,1,2-Trichloroethane
Concen: 0.443 ug/L
RT: 7.74 min Scan# 2068
Delta R.T. -0.14 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion: 97 Resp: 3610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 10.5 | 45.4 | 84.2# |
| 83 | 0.0 | 60.1 | 111.5# |
| 85 | 0.0 | 39.8 | 73.8# |



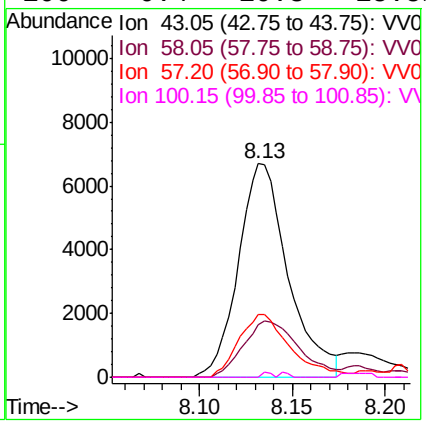


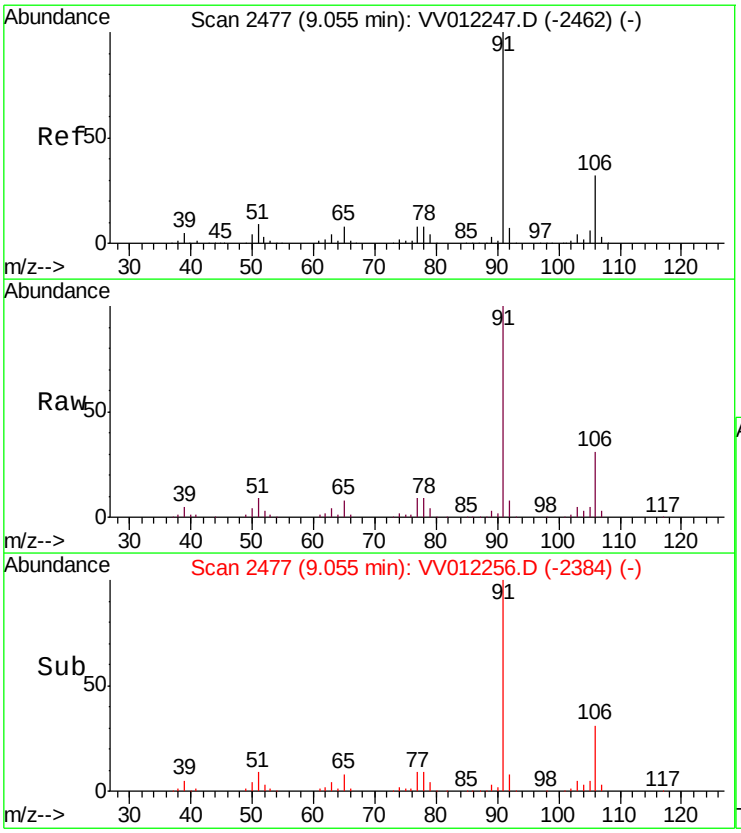

#48
2-Hexanone
Concen: 2.646 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB6

Tgt Ion: 43 Resp: 12540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 43.0 | 64.4# |
| 57 | 30.5 | 14.9 | 22.3# |
| 100 | 0.4 | 10.3 | 15.5# |

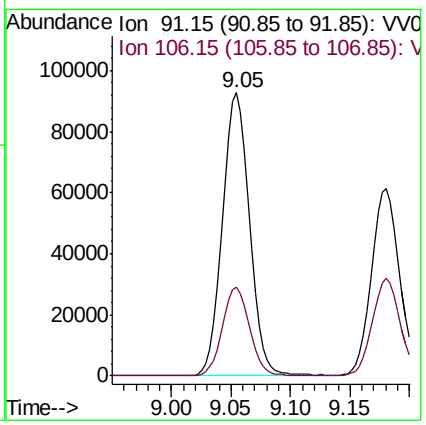


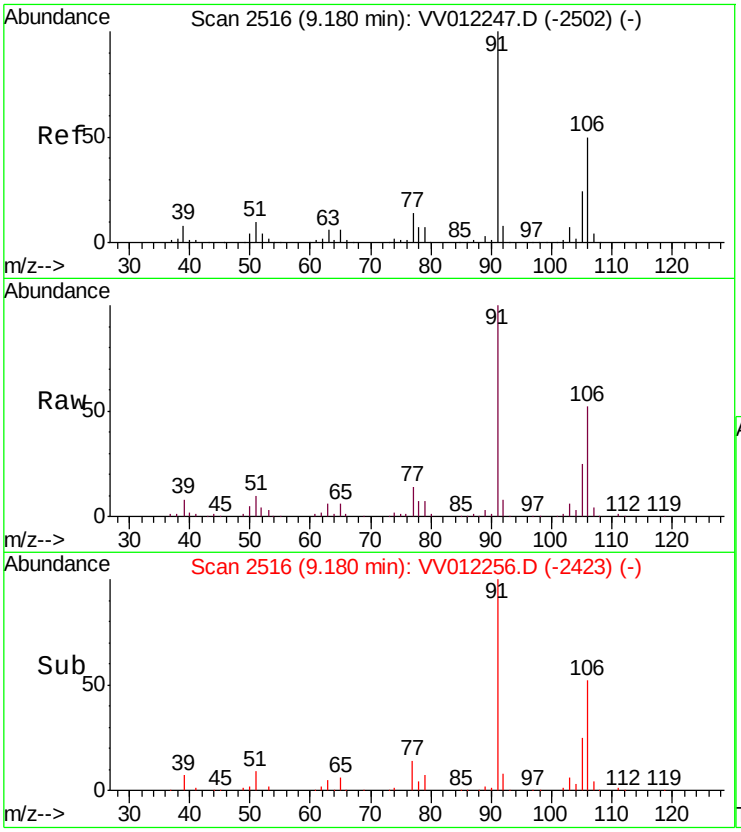




#52
Ethylbenzene
Concen: 2.643 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion: 91 Resp: 146871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 22.3 | 41.3 |



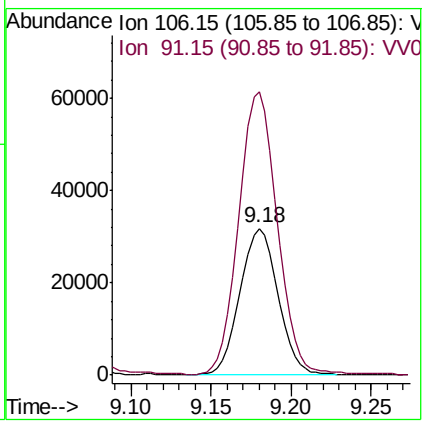


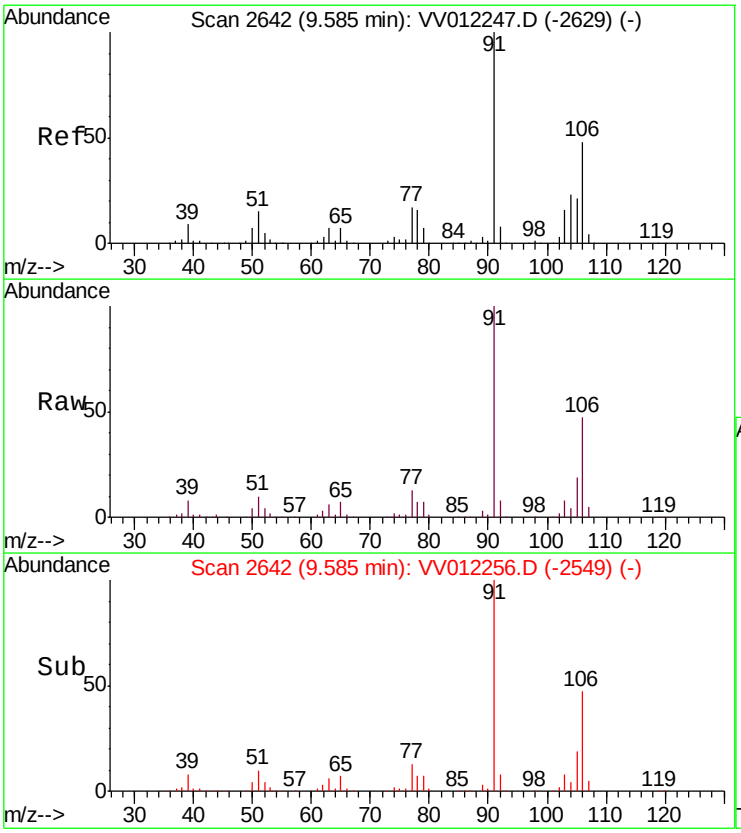

#53
m,p-xylene
Concen: 2.430 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :** MSVOA_V
**ClientSampleId :** C0AB6

Tgt Ion:106 Resp: 51852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 192.5 | 137.5 | 255.3 |

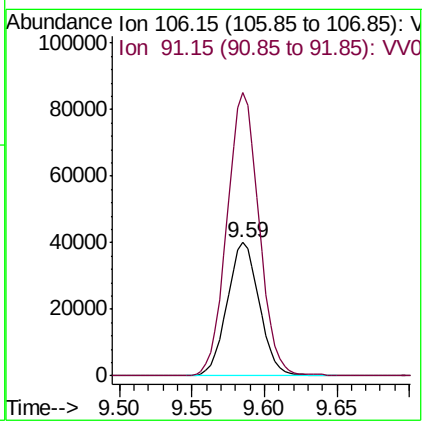


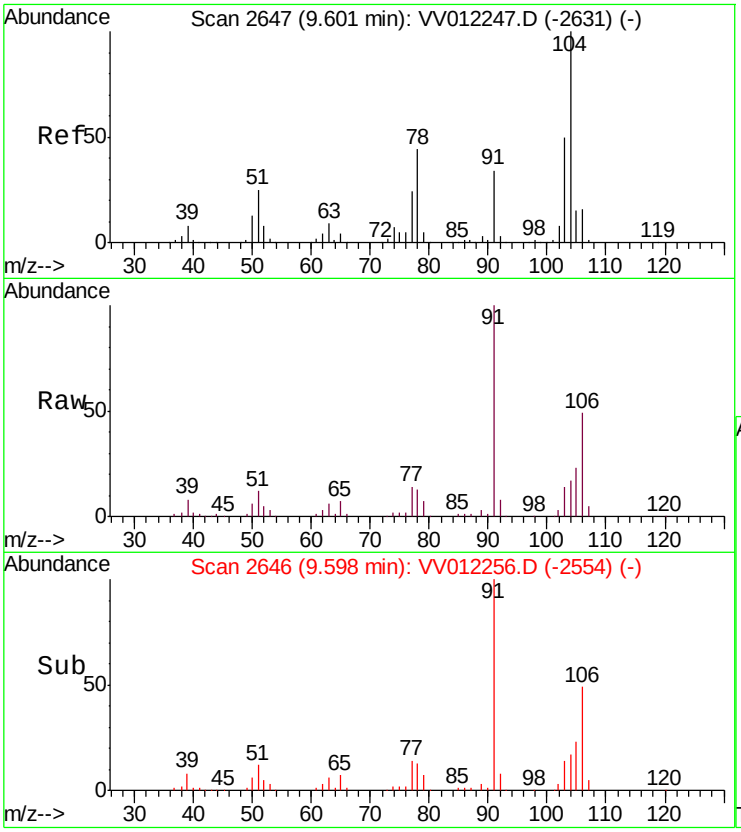




#54
o-xylene
Concen: 3.064 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion:106 Resp: 61888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.5 | 151.1 | 280.7 |



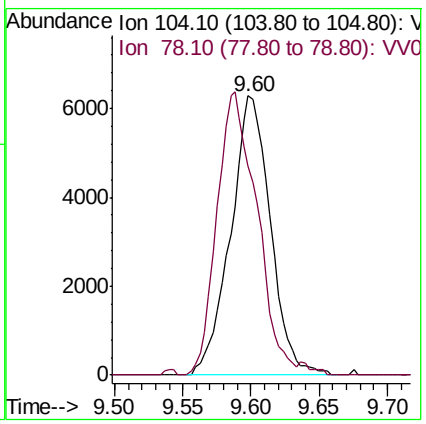


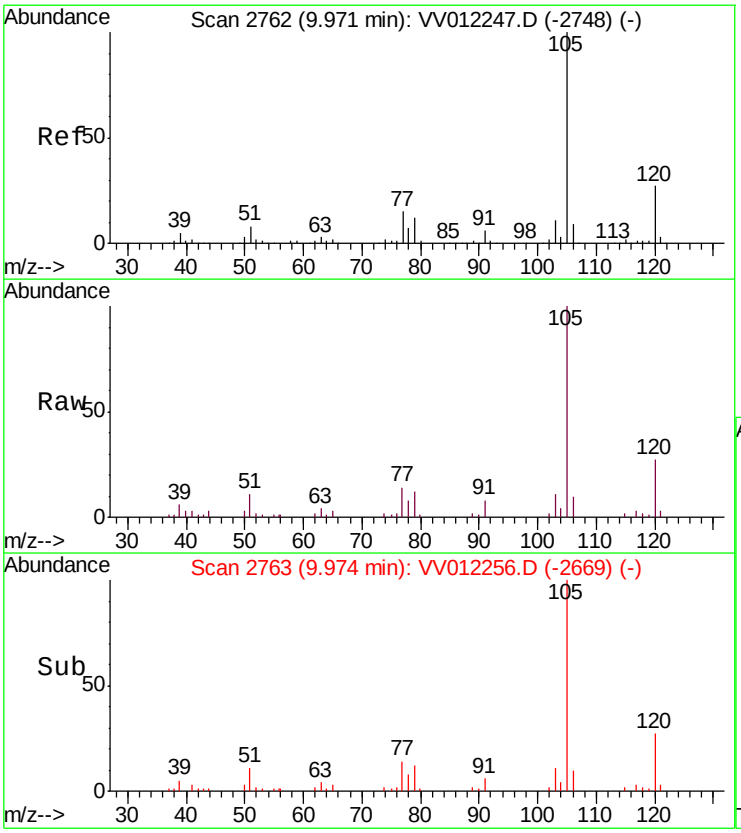

#55
Styrene
Concen: 0.377 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AB6

Tgt Ion:104 Resp: 12721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 74.7 | 30.3 | 56.3# |

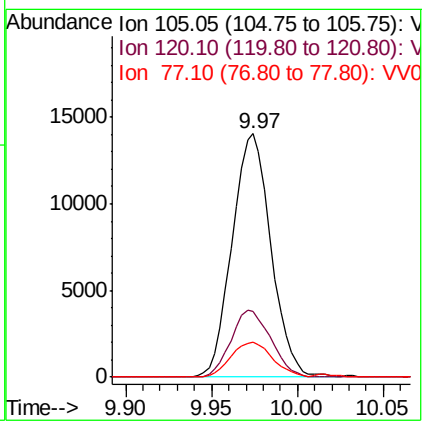


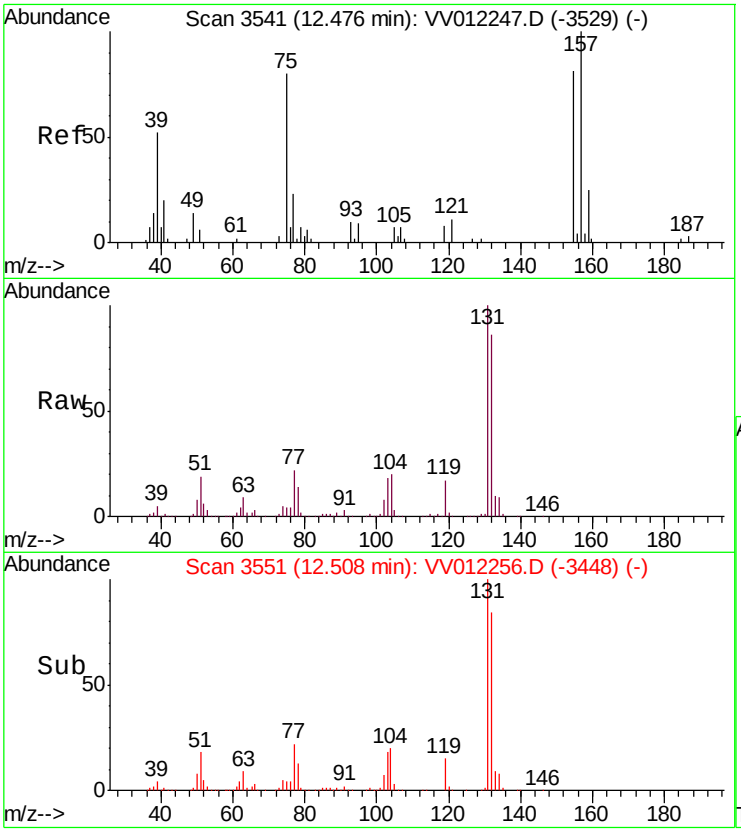




#56
Isopropylbenzene
Concen: 0.408 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

Tgt Ion:105 Resp: 22037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.0 | 22.0 | 33.0 |
| 77 | 15.5 | 12.5 | 18.7 |






#66
1,2-Dibromo-3-chloropropane
Concen: 11.551 ug/L
RT: 12.51 min Scan# 3551
Delta R.T. 0.03 min
Lab File: VV012256.D
Acq: 15 Aug 2019 18:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AB6

Tgt Ion: 75 Resp: 21236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 70.8 | 106.2# |
| 157 | 0.0 | 83.5 | 125.3# |