Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072820\
Data File : VV017718.D
Acq On : 28 Jul 2020 20:41
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Jul 29 05:21:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 29 05:17:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 151009 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 145399 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 82680 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 30133 | 4.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 83.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 26176 | 4.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 94.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 79559 | 4.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 98.40% | | | |
| 20) 2-Butanone-d5 | 3.92 | 46 | 75500 | 43.77 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 87.54% | | | |
| 24) Chloroform-d | 4.38 | 84 | 90456 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 103.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 43897 | 4.88 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.60% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 148529 | 4.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 38441 | 4.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 86.20% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 146591 | 4.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.40% | | | |
| 45) trans-1,3-Dichloropropene- | 7.64 | 79 | 18574 | 4.60 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 92.00% | | | |
| 48) 2-Hexanone-d5 | 8.11 | 63 | 57508 | 45.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 91.92% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 29684 | 4.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 95.80% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 61548 | 4.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 98.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 82685 | 4.997 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 49927 | 4.638 | ug/L | 93 |
| 5) Vinyl chloride | 1.32 | 62 | 56178 | 5.207 | ug/L | 99 |
| 6) Bromomethane | 1.53 | 94 | 23475 | 3.386 | ug/L | 99 |
| 8) Chloroethane | 1.60 | 64 | 33668 | 5.406 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 111925 | 5.800 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 49546 | 5.498 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 46644 | 5.736 | ug/L | 89 |
| 13) Acetone | 2.19 | 43 | 65065 | 48.183 | ug/L # | 55 |
| 14) Carbon disulfide | 2.31 | 76 | 133530 | 5.401 | ug/L | 96 |
| 15) Methyl Acetate | 2.45 | 43 | 15030 | 5.720 | ug/L # | 83 |
| 16) Methylene chloride | 2.52 | 84 | 48063 | 5.312 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 2.79 | 73 | 112424 | 5.394 | ug/L | 97 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 49741 | 5.614 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 97426 | 5.229 | ug/L | 100 |
| 21) 2-Butanone | 4.01 | 43 | 95405 | 41.840 | ug/L | 96 |
| 22) cis-1,2-Dichloroethene | 3.94 | 96 | 57272 | 5.133 | ug/L | 95 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072820\
Data File : VV017718.D
Acq On : 28 Jul 2020 20:41
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Jul 29 05:21:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 29 05:17:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.27 | 128 | 25892 | 5.036 ug/L | 94 |
| 25) Chloroform | 4.40 | 83 | 108677 | 5.197 ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.16 | 62 | 71160 | 5.248 ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 4.63 | 97 | 110006 | 5.408 ug/L | 98 |
| 30) Cyclohexane | 4.70 | 56 | 71634 | 4.444 ug/L | 94 |
| 31) Carbon tetrachloride | 4.86 | 117 | 101852 | 5.629 ug/L | 97 |
| 33) Benzene | 5.13 | 78 | 209455 | 5.089 ug/L | 100 |
| 34) Trichloroethene | 5.94 | 95 | 60145 | 5.232 ug/L | 97 |
| 35) Methylcyclohexane | 6.15 | 83 | 80731 | 4.642 ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.20 | 63 | 46317 | 4.789 ug/L | 100 |
| 38) Bromodichloromethane | 6.53 | 83 | 75296 | 5.292 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.05 | 75 | 70573 | 4.838 ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.25 | 43 | 236016 | 44.504 ug/L | 99 |
| 42) Toluene | 7.41 | 91 | 239612 | 5.337 ug/L | 99 |
| 43) 1,3,5-Trimethylbenzene | 10.56 | 105 | 235782 | 5.625 ug/L | 97 |
| 44) 1,2,4-Trimethylbenzene | 10.94 | 105 | 237143 | 5.537 ug/L | 99 |
| 46) trans-1,3-Dichloropropene | 7.68 | 75 | 63740 | 4.867 ug/L | 95 |
| 47) 1,1,2-Trichloroethane | 7.86 | 97 | 34754 | 4.738 ug/L | 93 |
| 49) Tetrachloroethene | 8.00 | 164 | 51326 | 5.064 ug/L | 98 |
| 50) 2-Hexanone | 8.16 | 43 | 172079 | 45.858 ug/L | 97 |
| 51) Dibromochloromethane | 8.27 | 129 | 49378 | 5.289 ug/L | 97 |
| 52) 1,2-Dibromoethane | 8.38 | 107 | 33217 | 4.799 ug/L | 100 |
| 53) Chlorobenzene | 8.90 | 112 | 158403 | 5.292 ug/L | 99 |
| 54) Ethylbenzene | 9.03 | 91 | 266807 | 5.308 ug/L | 98 |
| 55) m,p-xylene | 9.16 | 106 | 103375 | 5.460 ug/L | 97 |
| 56) o-xylene | 9.56 | 106 | 97303 | 5.296 ug/L | 99 |
| 57) Styrene | 9.58 | 104 | 171517 | 5.595 ug/L | 98 |
| 58) Isopropylbenzene | 9.95 | 105 | 273776 | 5.402 ug/L | 99 |
| 60) 1,1,2,2-Tetrachloroethane | 10.26 | 83 | 35120 | 4.394 ug/L | 99 |
| 62) Bromoform | 9.75 | 173 | 26553 | 5.018 ug/L | 99 |
| 63) 1,3-Dichlorobenzene | 11.20 | 146 | 139116 | 5.226 ug/L | 98 |
| 64) 1,4-Dichlorobenzene | 11.29 | 146 | 136840 | 5.123 ug/L | 97 |
| 66) 1,2-Dichlorobenzene | 11.67 | 146 | 125843 | 5.190 ug/L | 99 |
| 67) 1,2-Dibromo-3-chloropropan | 12.45 | 75 | 7567 | 4.990 ug/L | 95 |
| 68) 1,3,5-Trichlorobenzene | 12.67 | 180 | 113214 | 5.236 ug/L | 99 |
| 69) 1,2,4-trichlorobenzene | 13.28 | 180 | 93093 | 5.147 ug/L | 99 |
| 70) Naphthalene | 13.52 | 128 | 121310 | 4.810 ug/L | 97 |
| 71) 1,2,3-Trichlorobenzene | 13.77 | 180 | 79820 | 4.980 ug/L | 97 |

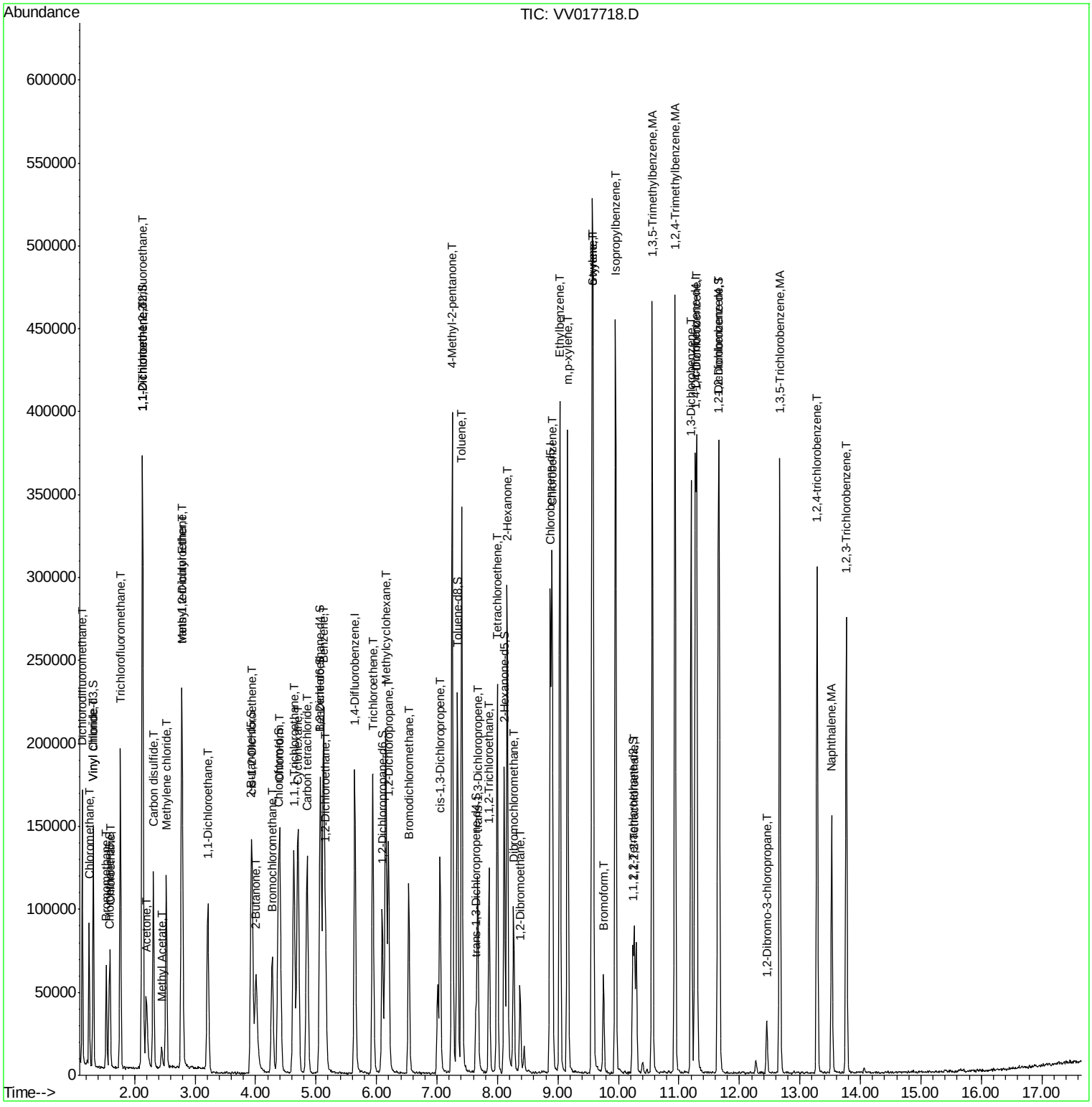
(#) = qualifier out of range (m) = manual integration (+) = signals summed

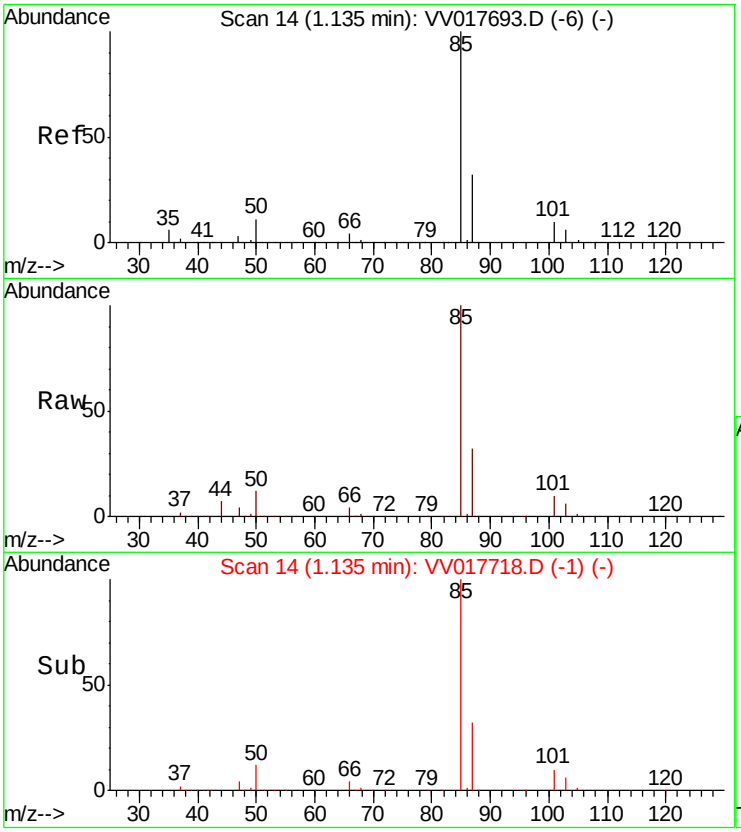
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072820\
Data File : VV017718.D
Acq On : 28 Jul 2020 20:41
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Jul 29 05:21:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 29 05:17:09 2020
Response via : Initial Calibration



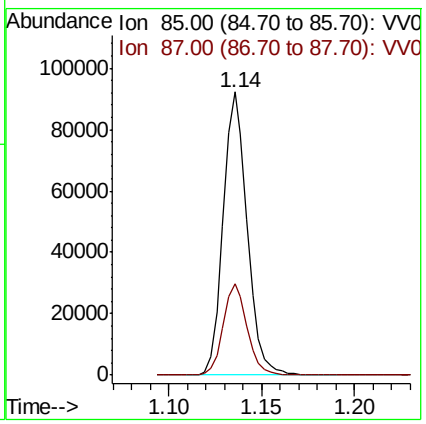


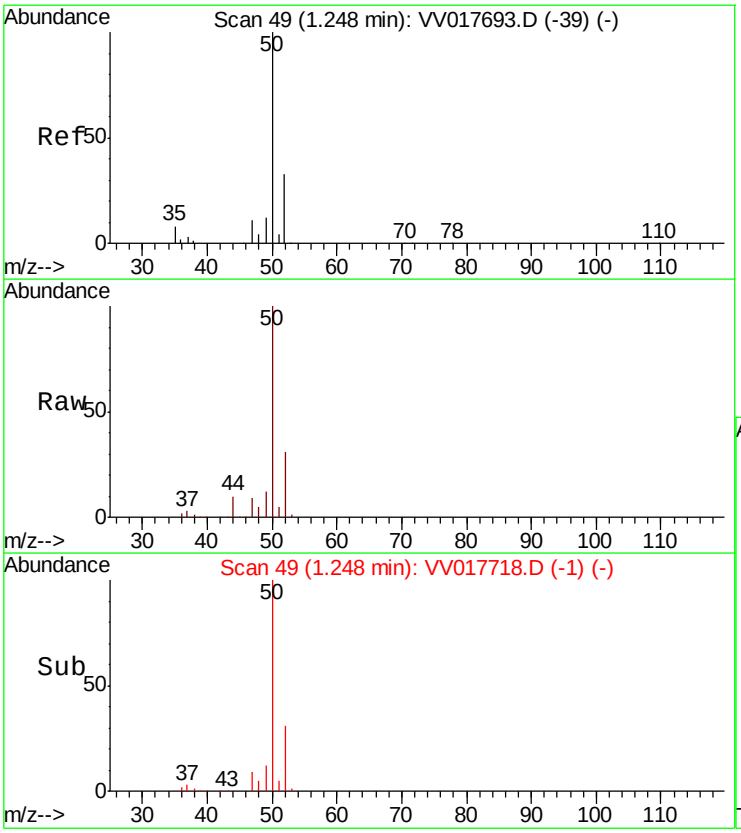

#2
Dichlorodifluoromethane
Concen: 4.997 ug/L
RT: 1.14 min Scan# 14
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 85 Resp: 82685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 26.4 | 39.6 |

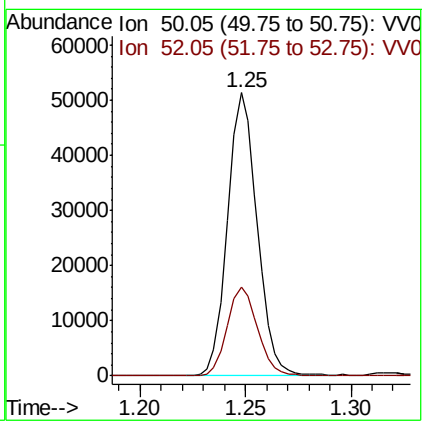


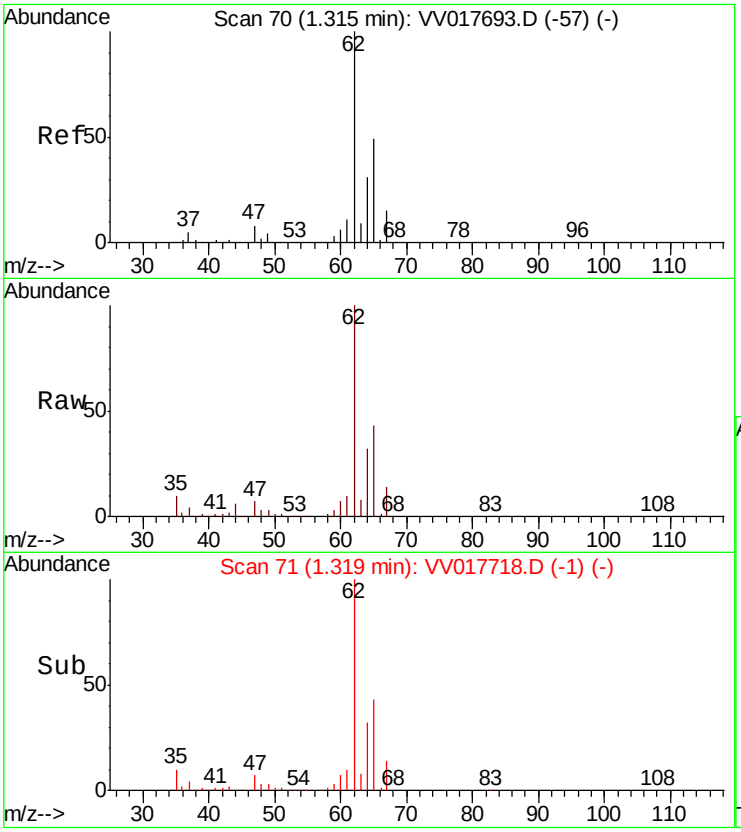




#3
Chloromethane
Concen: 4.638 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 50 Resp: 49927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.5 | 25.1 | 46.5 |



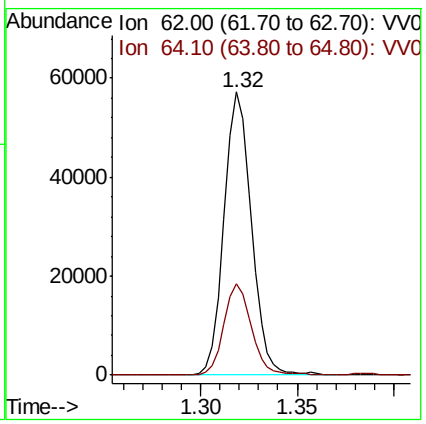


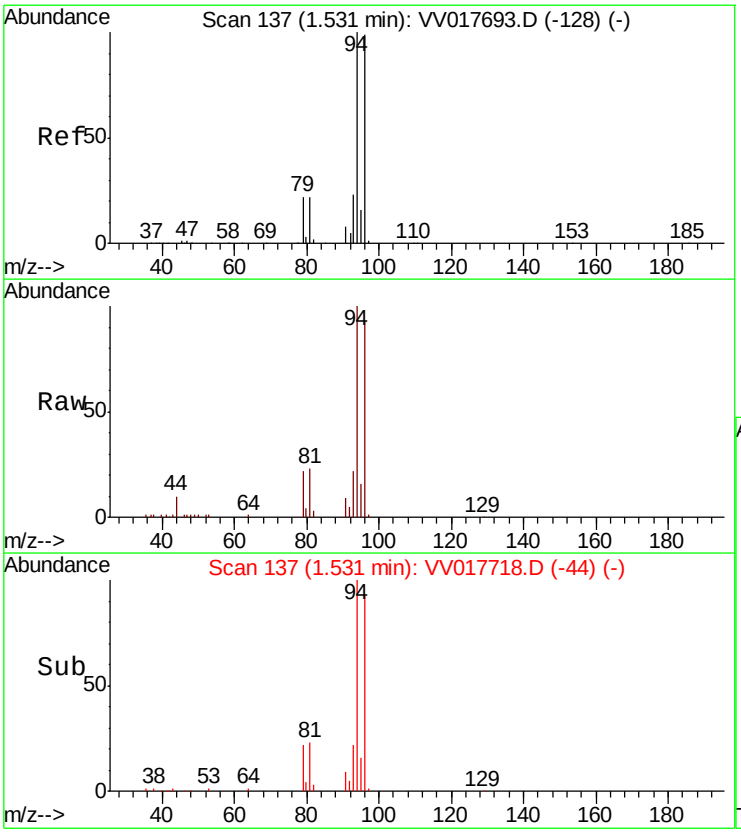

#5
Vinyl chloride
Concen: 5.207 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 62 Resp: 56178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 23.0 | 42.8 |

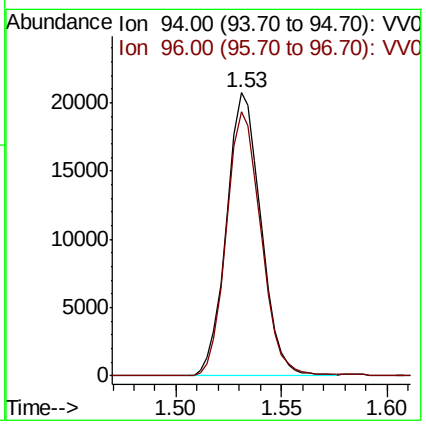


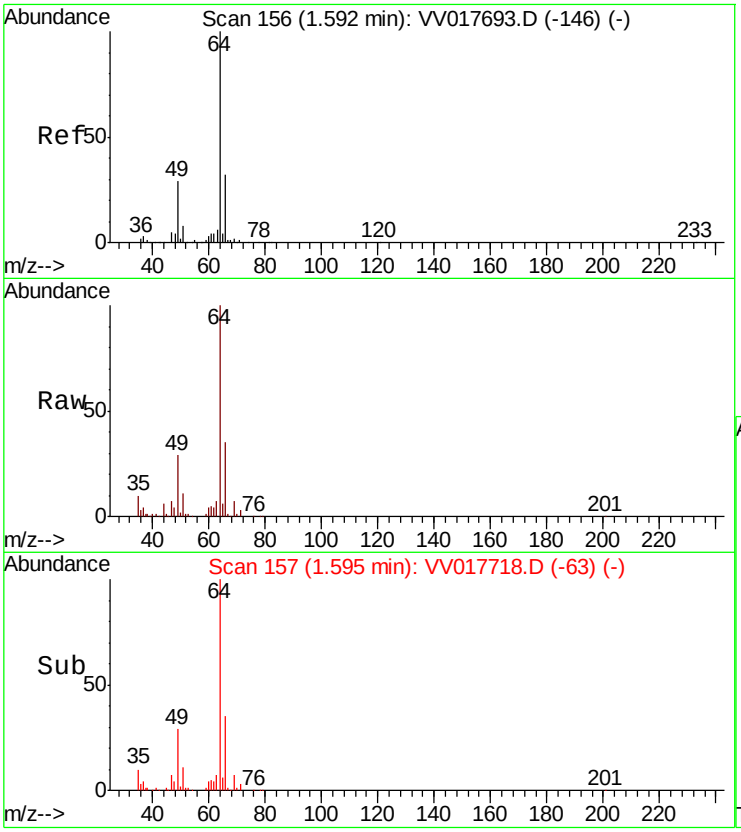




#6
Bromomethane
Concen: 3.386 ug/L
RT: 1.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 94 Resp: 23475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.3 | 65.9 | 122.5 |



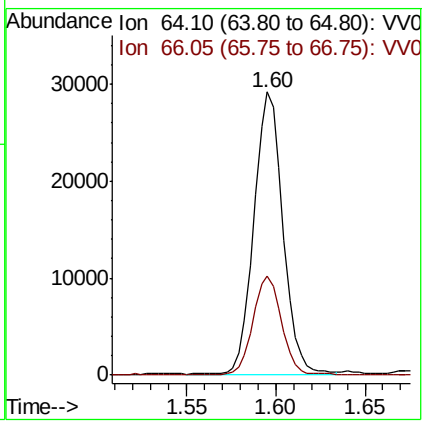


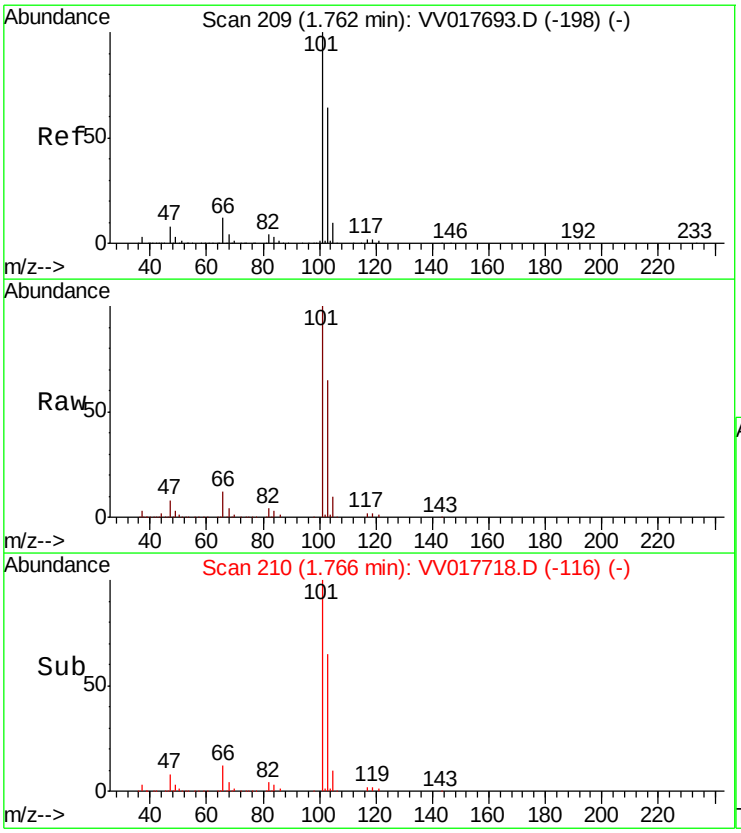

#8
Chloroethane
Concen: 5.406 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 64 Resp: 33668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.9 | 24.0 | 44.6 |

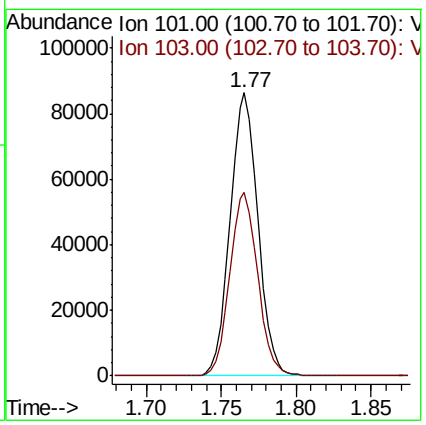


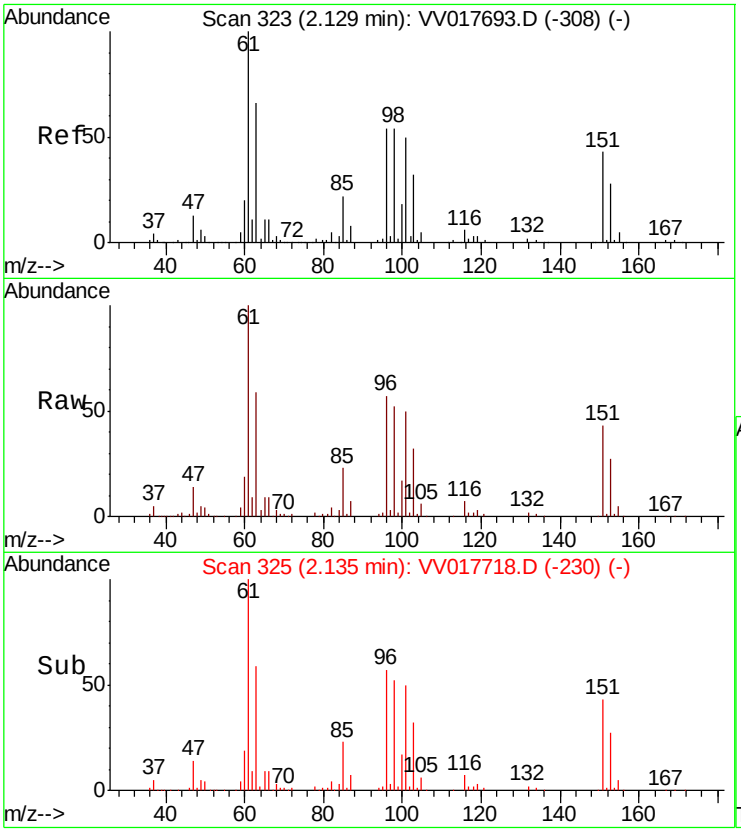




#9
Trichlorofluoromethane
Concen: 5.800 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:101 Resp: 111925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.2 | 51.7 | 77.5 |



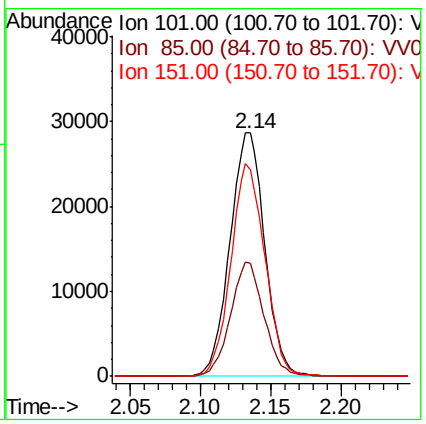


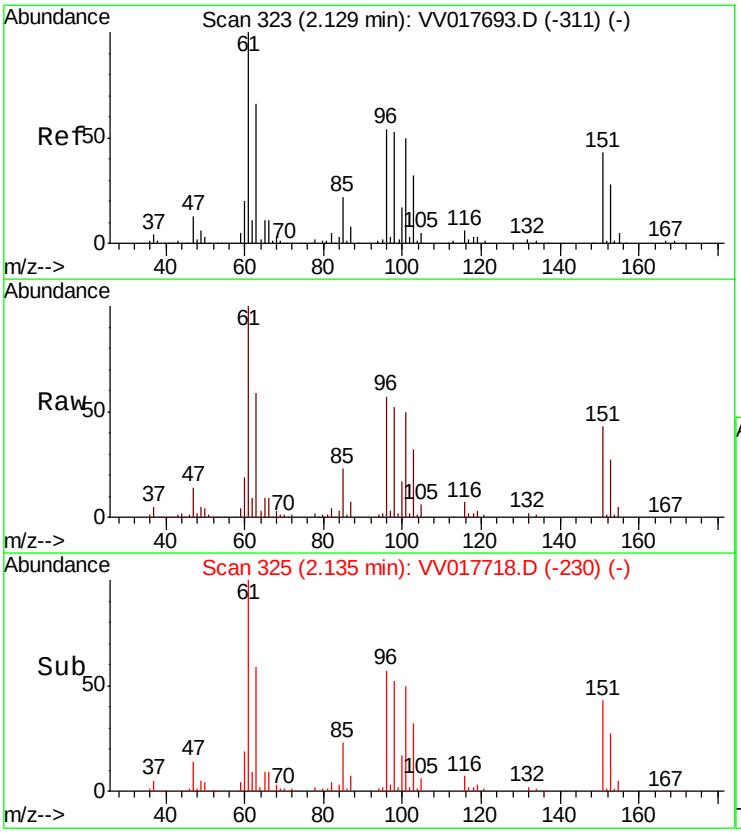

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.498 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:101 Resp: 49546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.9 | 34.6 | 51.8 |
| 151 | 85.4 | 63.5 | 95.3 |

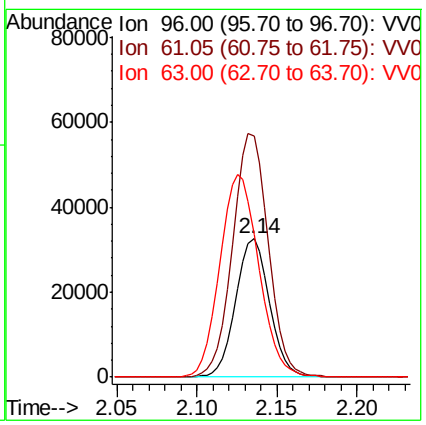


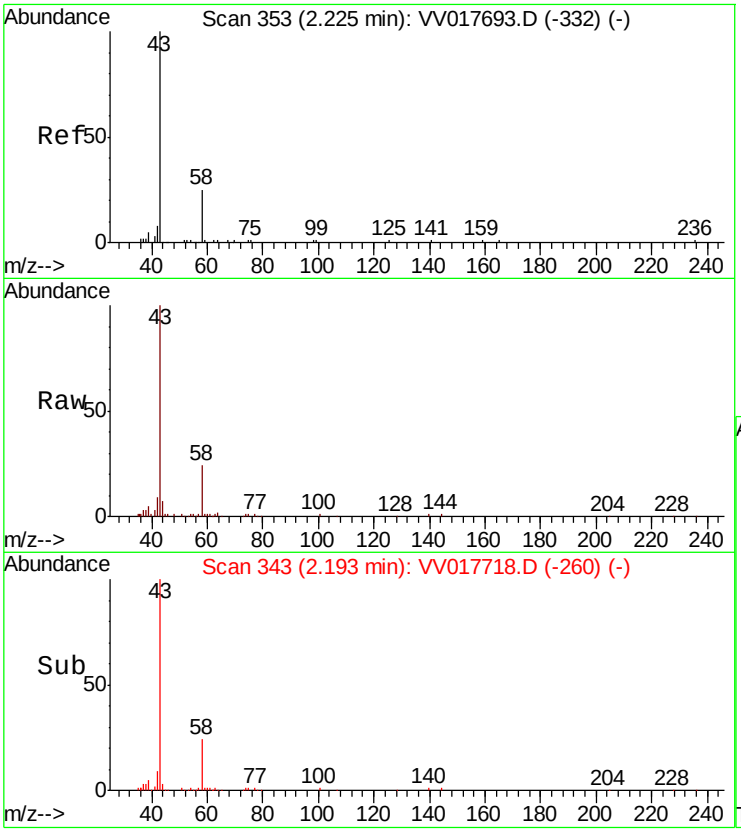




#12
1,1-Dichloroethene
Concen: 5.736 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 96 Resp: 46644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.5 | 123.1 | 228.7 |
| 63 | 103.0 | 91.2 | 169.4 |



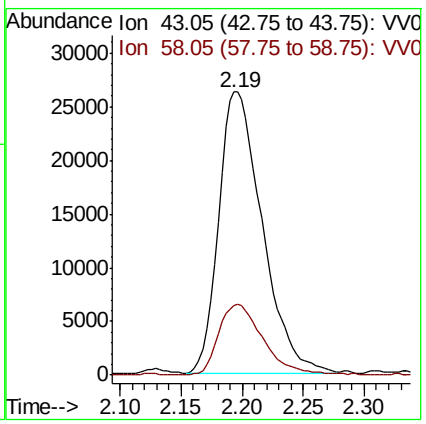


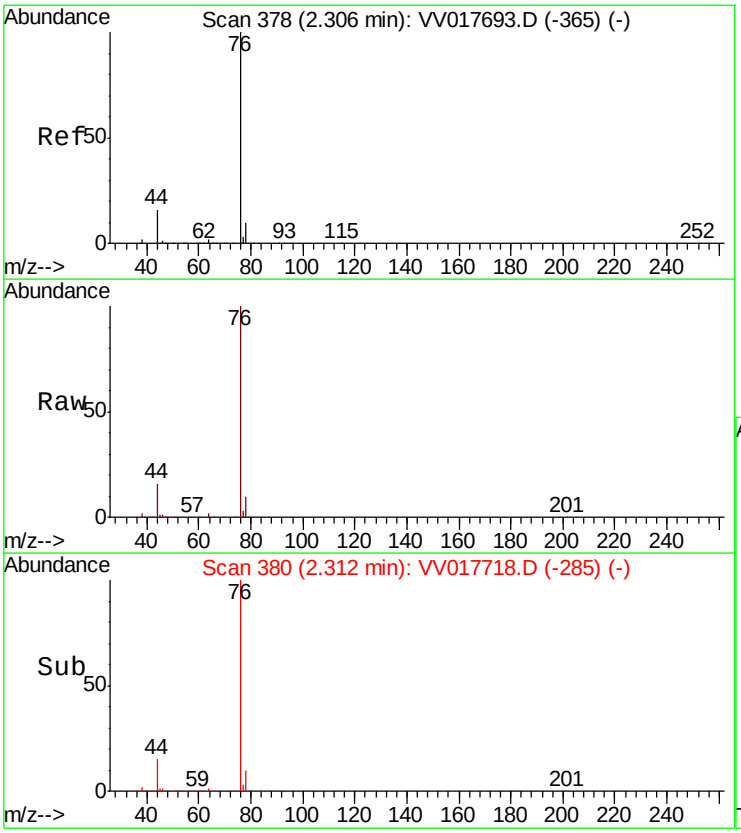

#13
Acetone
Concen: 48.183 ug/L
RT: 2.19 min Scan# 343
Delta R.T. -0.03 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 43 Resp: 65065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.8 | 0.0 | 18.6# |

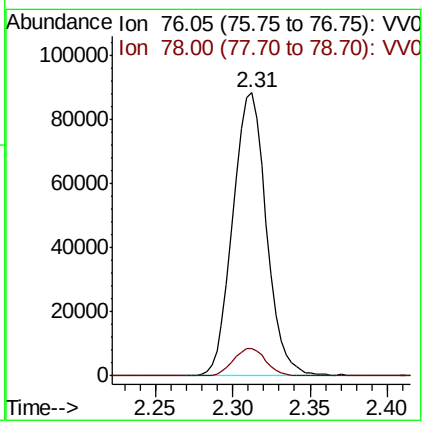


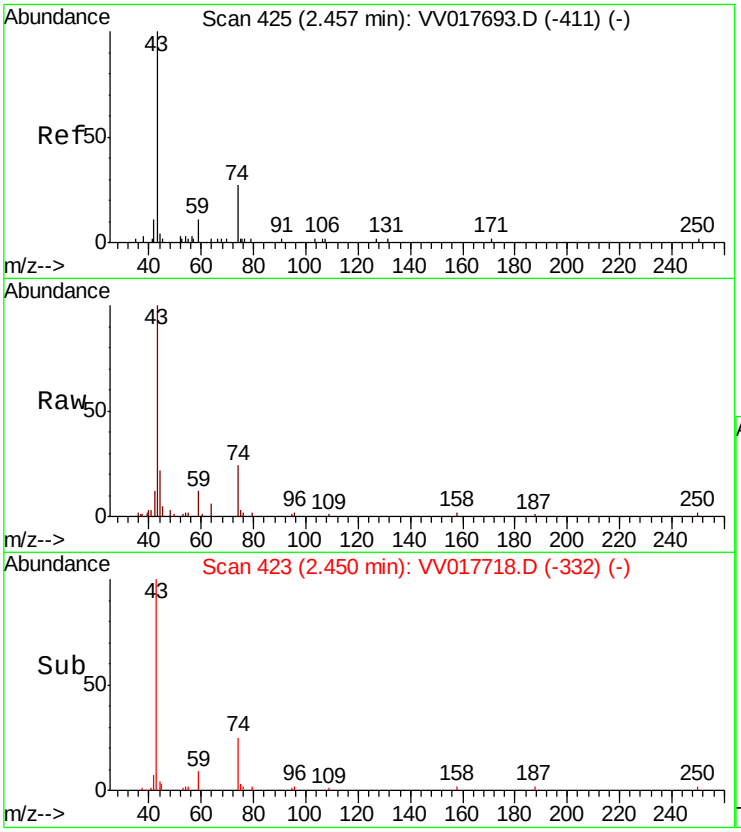




#14
Carbon disulfide
Concen: 5.401 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 76 Resp: 133530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.8 | 6.6 | 10.0 |



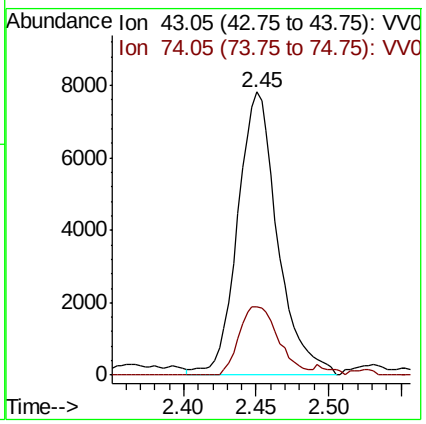


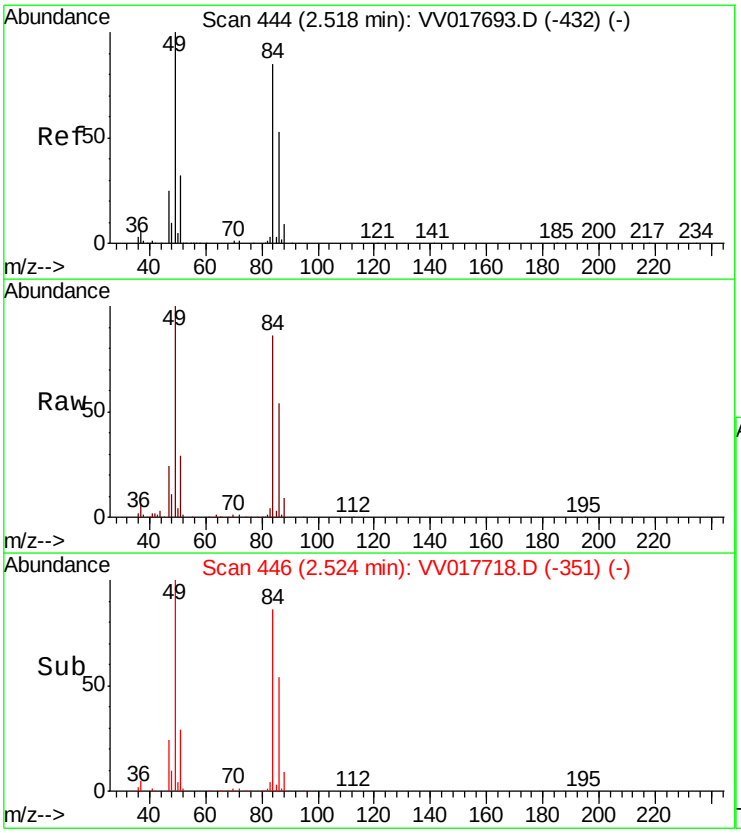

#15
Methyl Acetate
Concen: 5.720 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 43 Resp: 15030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 26.6 | 40.0# |

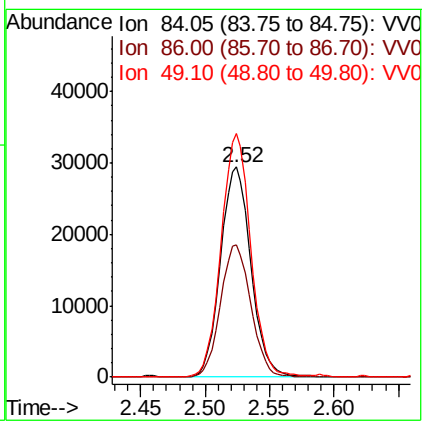


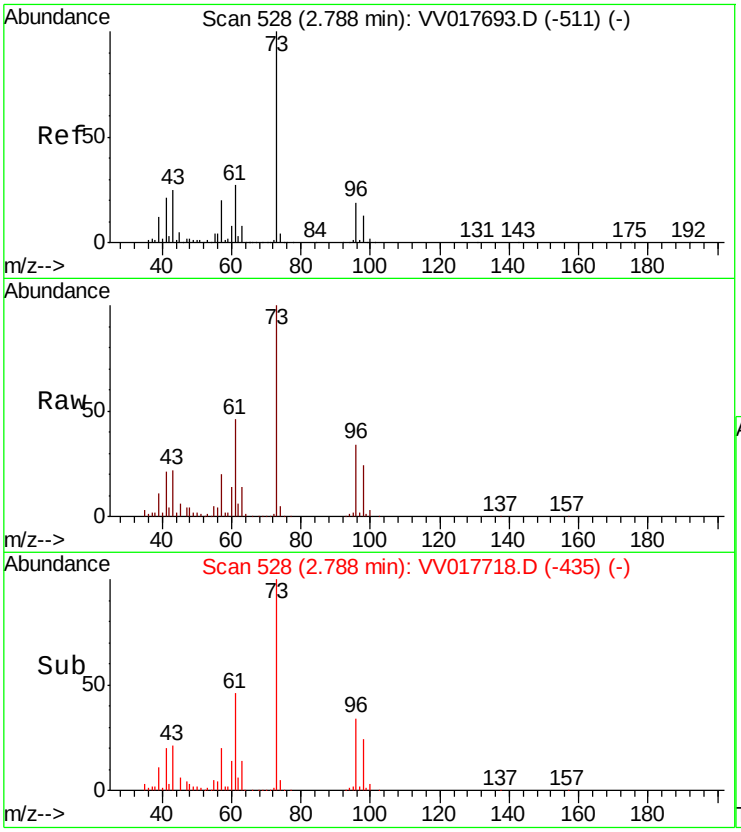




#16
Methylene chloride
Concen: 5.312 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 84 Resp: 48063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.1 | 46.5 | 86.3 |
| 49 | 115.8 | 79.2 | 147.2 |



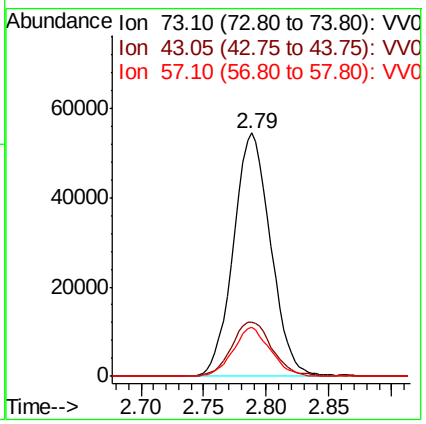


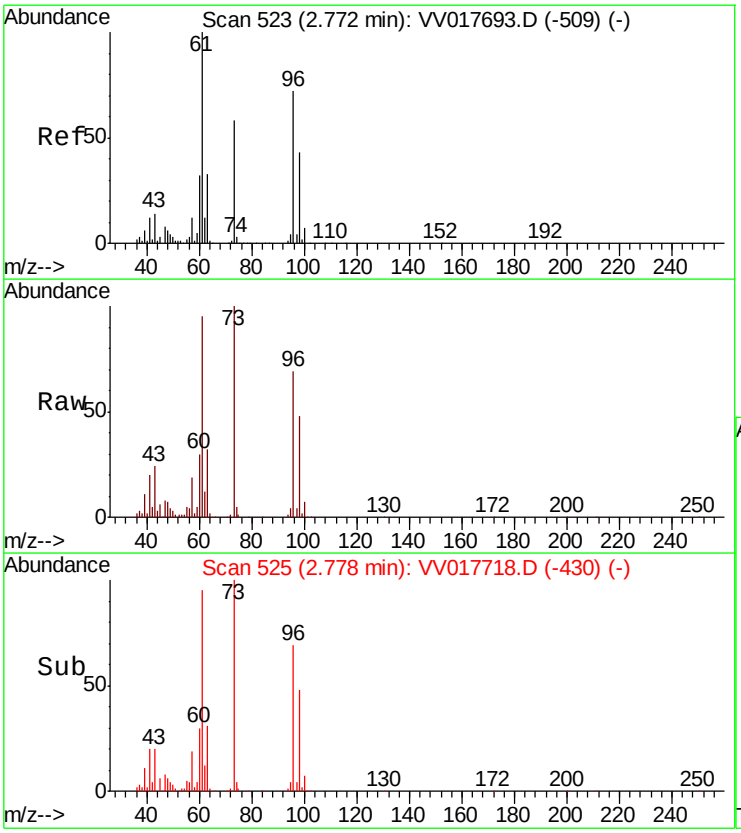

#17
Methyl tert-butyl Ether
Concen: 5.394 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 73 Resp: 112424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 24.4 | 18.3 | 27.5 |
| 57 | 20.0 | 16.7 | 25.1 |

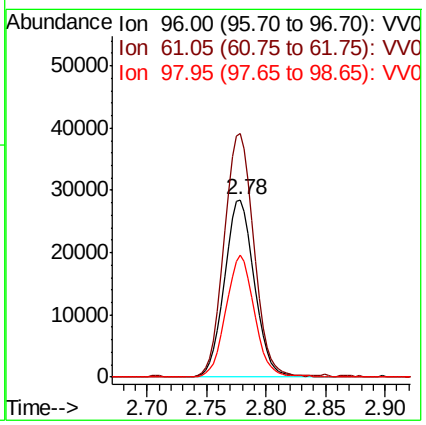


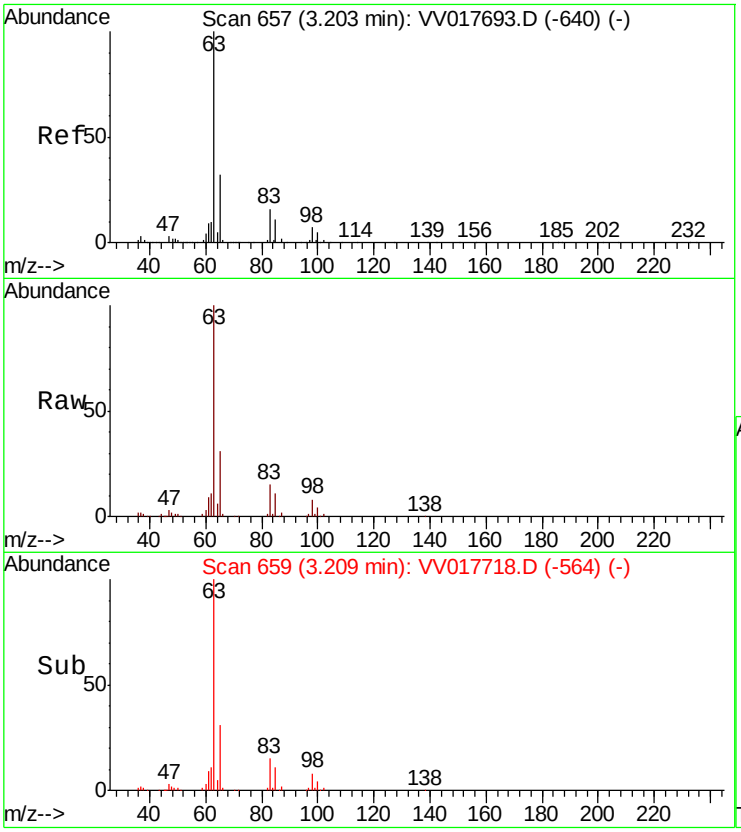




#18
trans-1,2-Dichloroethene
Concen: 5.614 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 96 Resp: 49741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.3 | 96.0 | 178.4 |
| 98 | 68.6 | 43.5 | 80.9 |



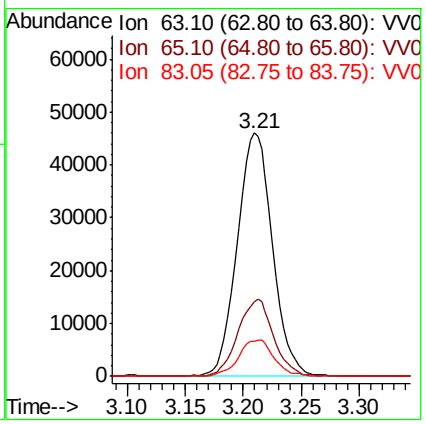


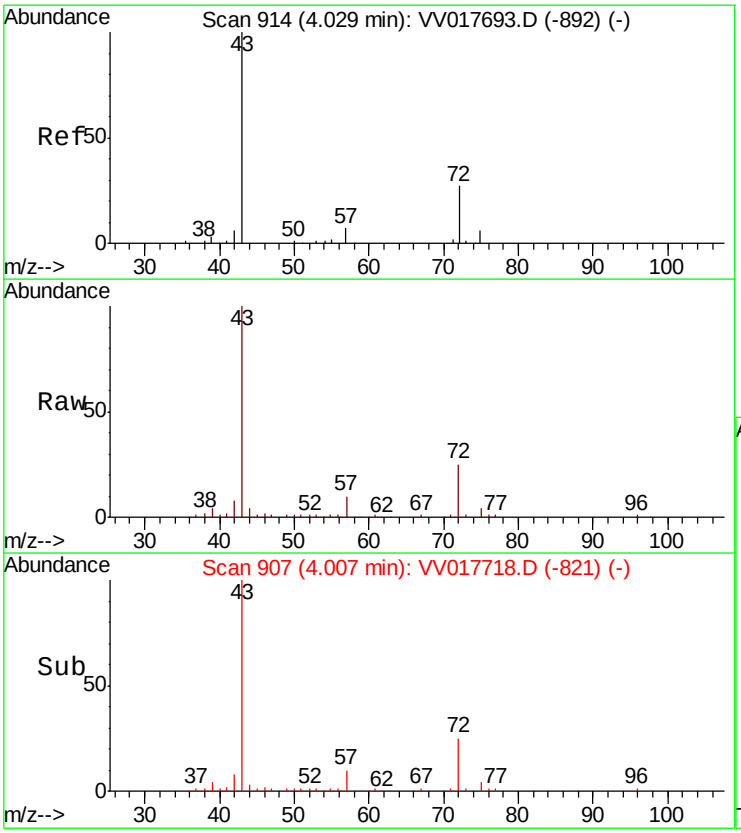

#19
1,1-Dichloroethane
Concen: 5.229 ug/L
RT: 3.21 min Scan# 659
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 63 Resp: 97426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 21.4 | 39.8 |
| 83 | 14.6 | 10.4 | 19.4 |

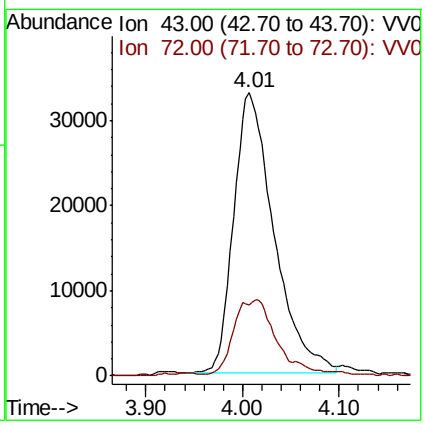


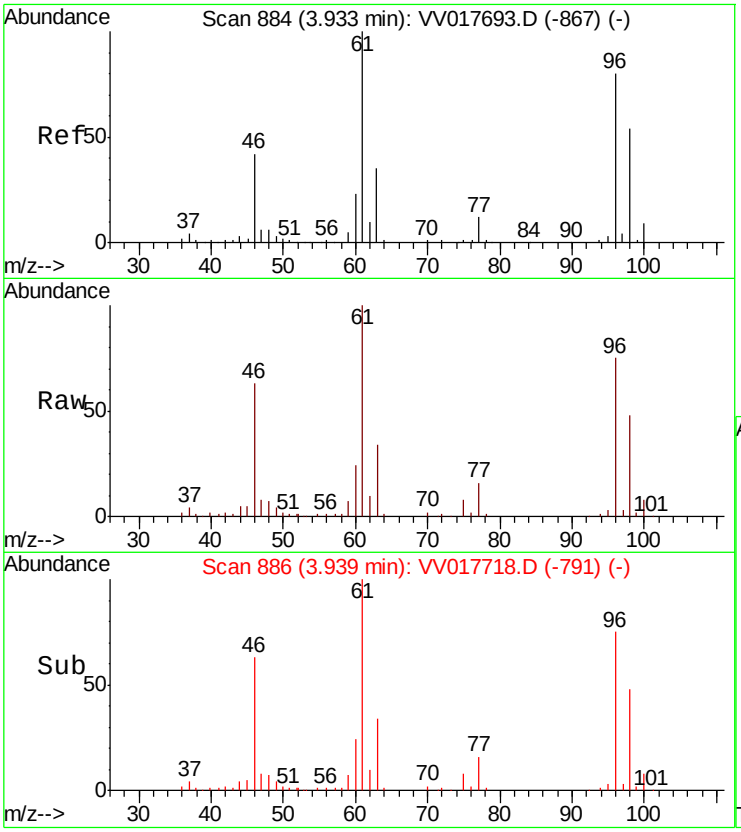




#21
2-Butanone
Concen: 41.840 ug/L
RT: 4.01 min Scan# 907
Delta R.T. -0.02 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 43 Resp: 95405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.0 | 13.0 | 38.9 |



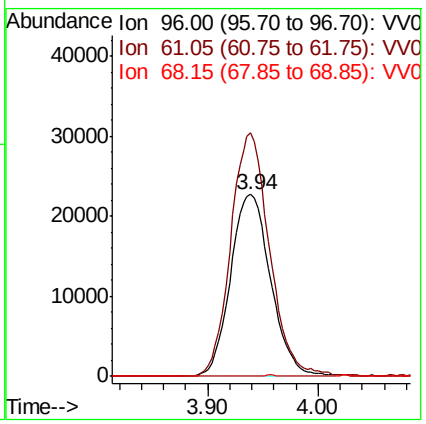


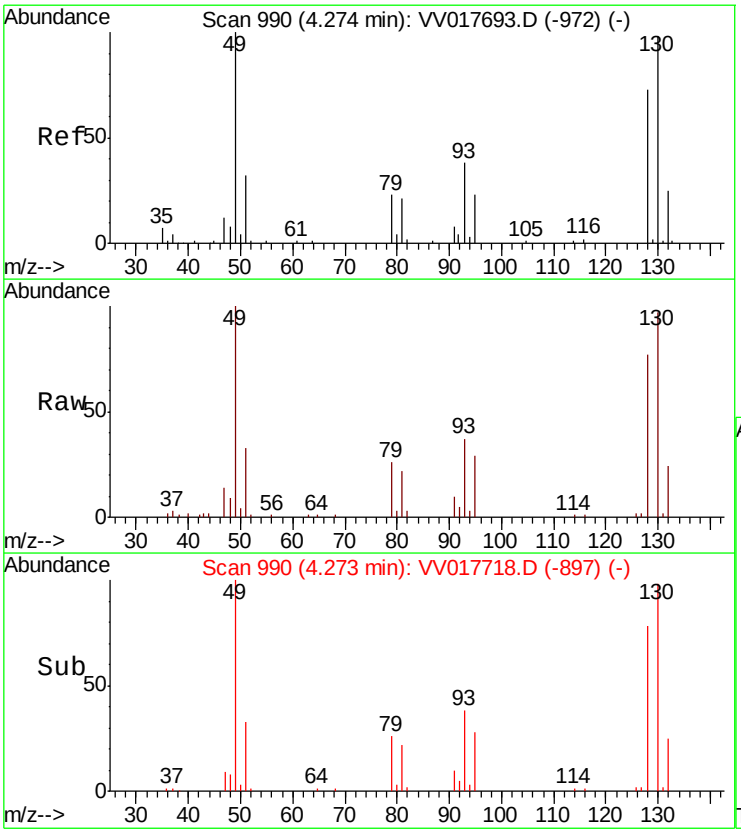

#22
cis-1,2-Dichloroethene
Concen: 5.133 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 96 Resp: 57272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.0 | 89.6 | 166.4 |
| 68 | 0.0 | 0.0 | 0.0 |

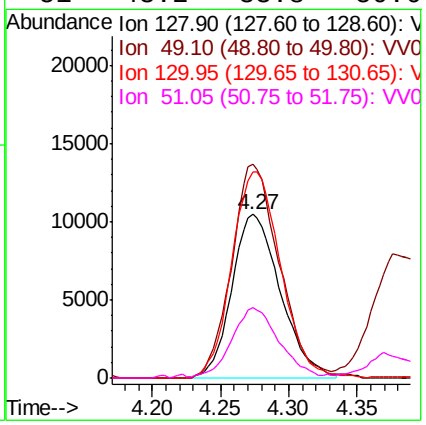


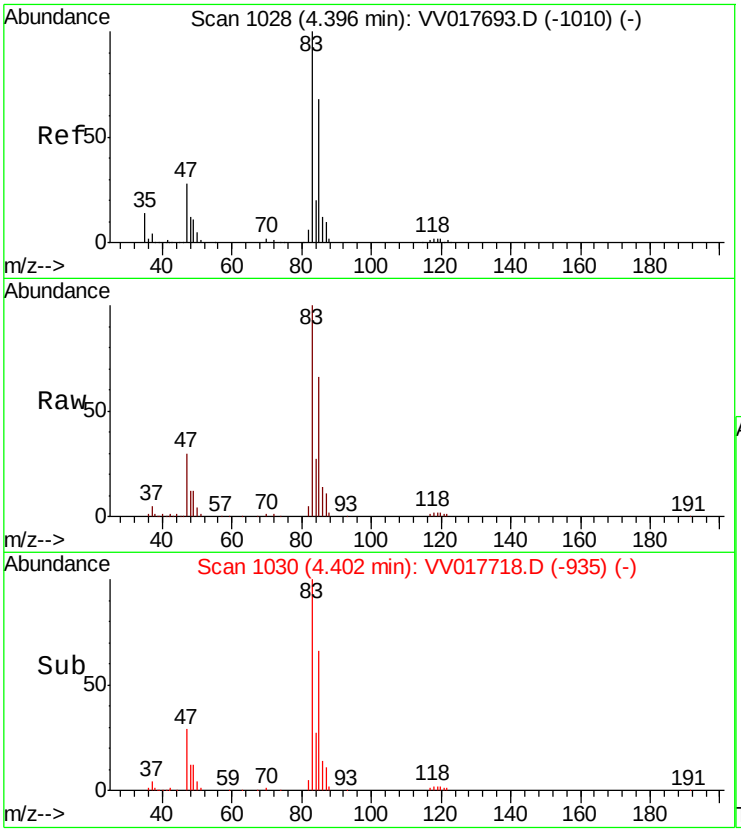




#23
Bromochloromethane
Concen: 5.036 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:128 Resp: 25892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 130.4 | 92.2 | 171.2 |
| 130 | 125.9 | 77.2 | 143.4 |
| 51 | 43.2 | 33.8 | 50.6 |



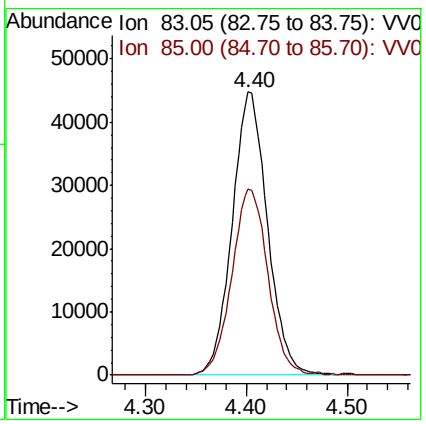


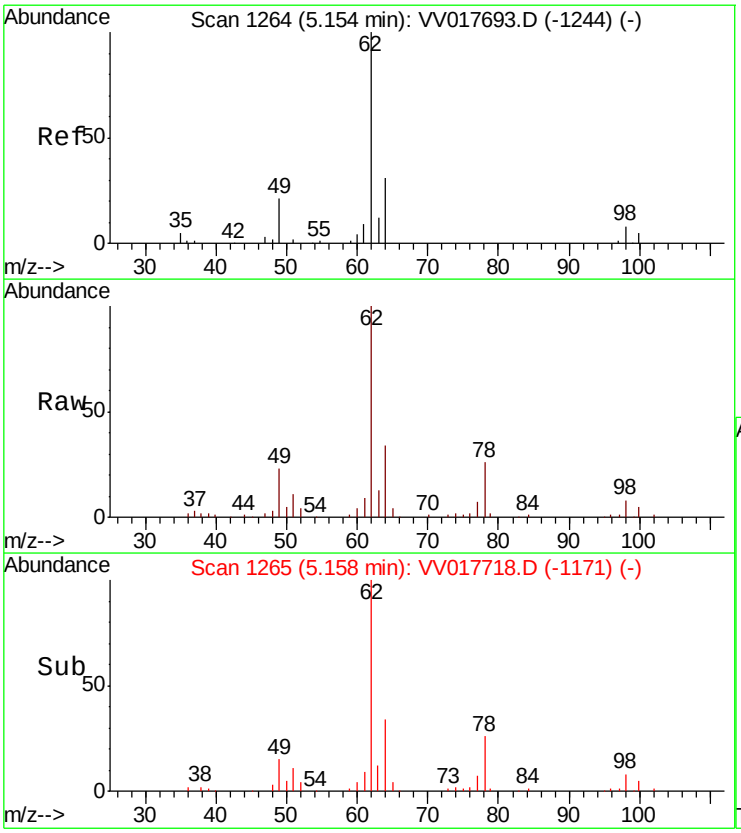

#25
Chloroform
Concen: 5.197 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 83 Resp: 108677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.9 | 47.3 | 87.9 |

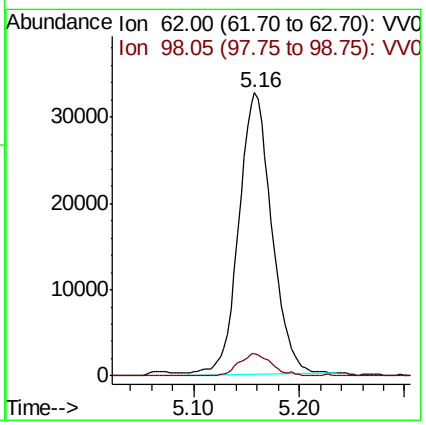


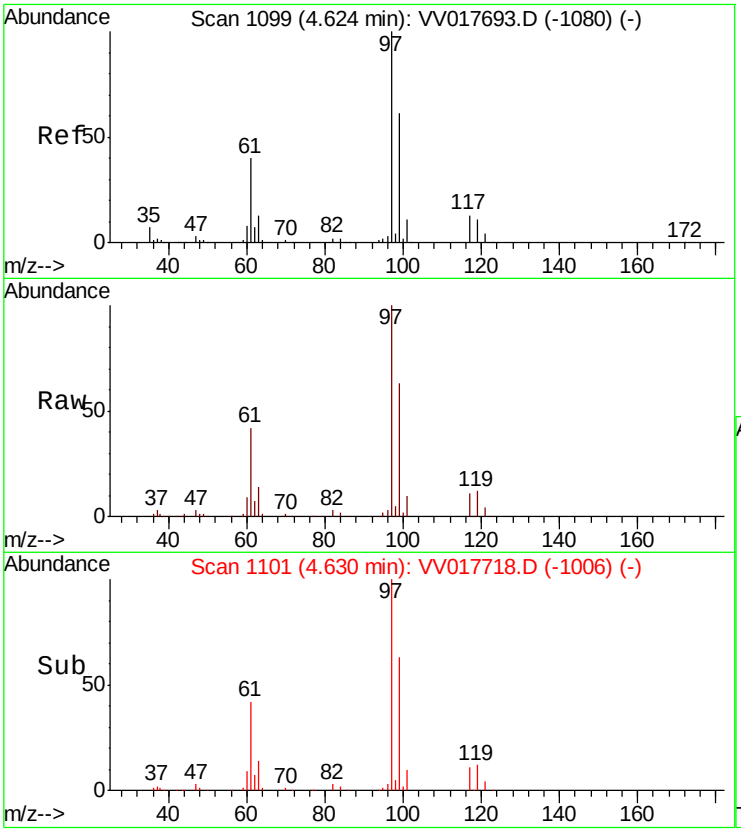




#27
1,2-Dichloroethane
Concen: 5.248 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 62 Resp: 71160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.0 | 7.0 | 10.6 |



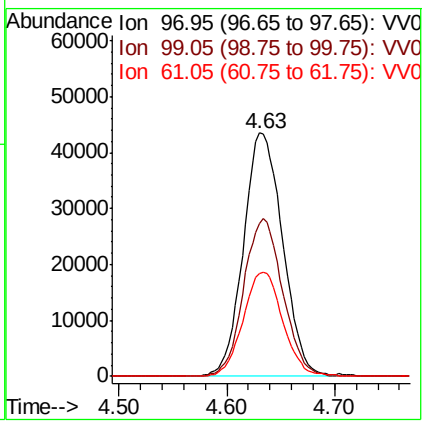


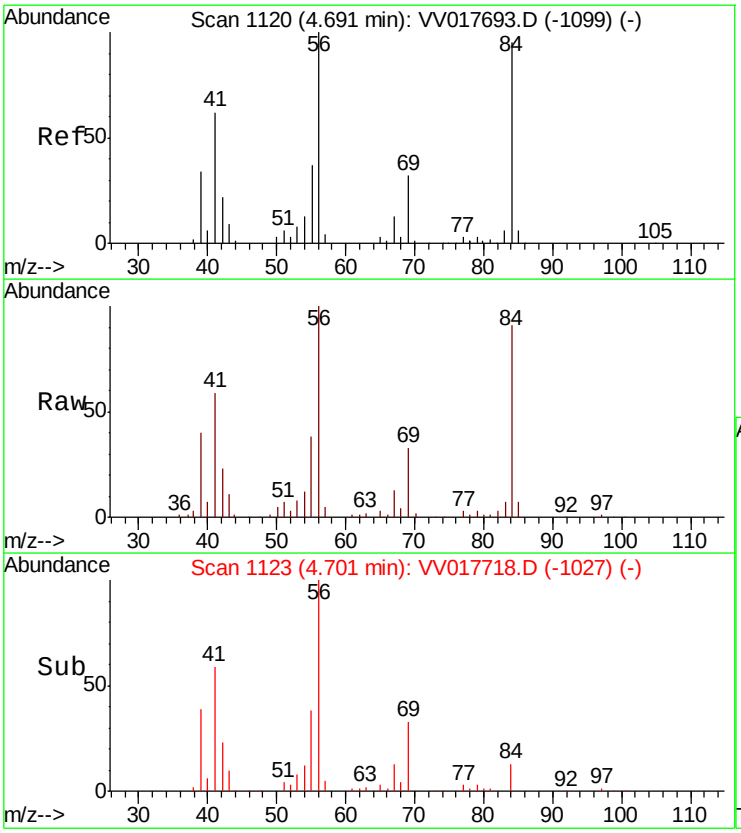

#29
1,1,1-Trichloroethane
Concen: 5.408 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 97 Resp: 110006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.6 | 76.0 |
| 61 | 43.2 | 35.7 | 53.5 |

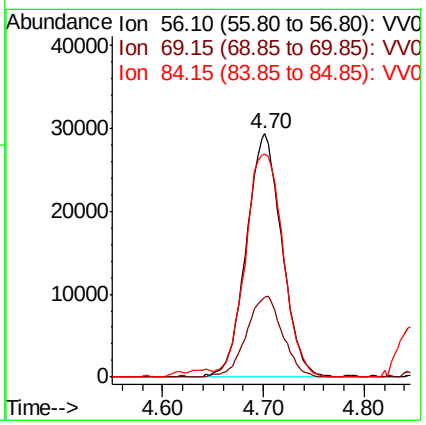


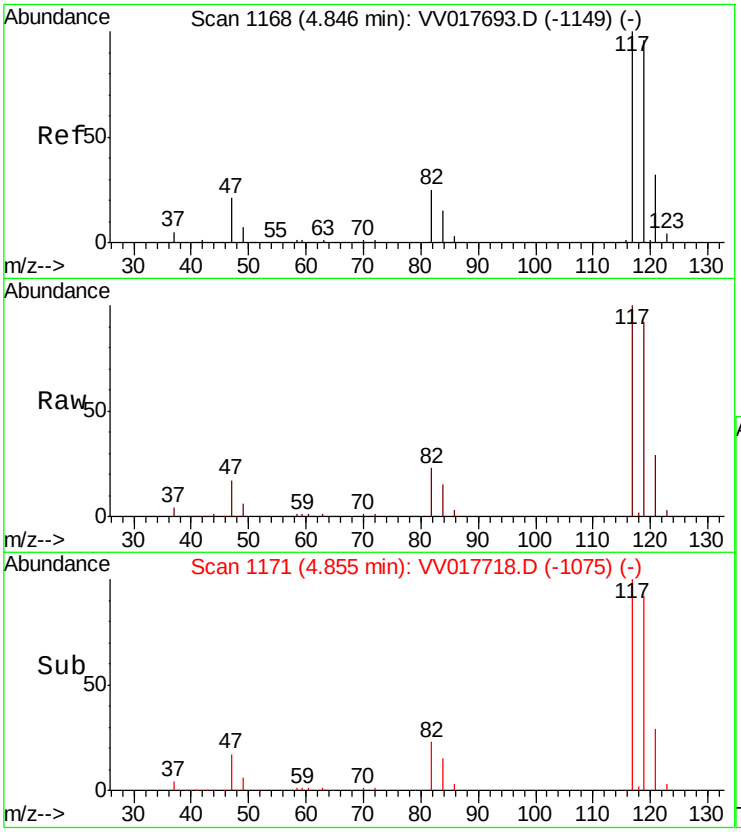




#30
Cyclohexane
Concen: 4.444 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 56 Resp: 71634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.7 | 25.4 | 38.2 |
| 84 | 97.8 | 73.0 | 109.4 |



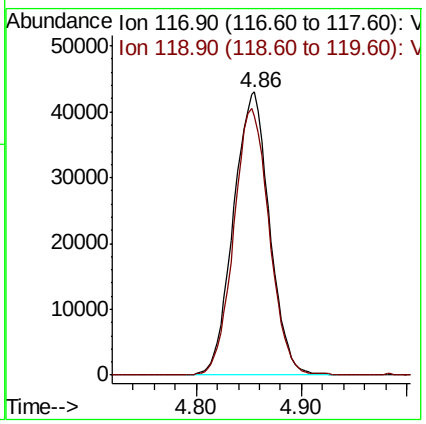


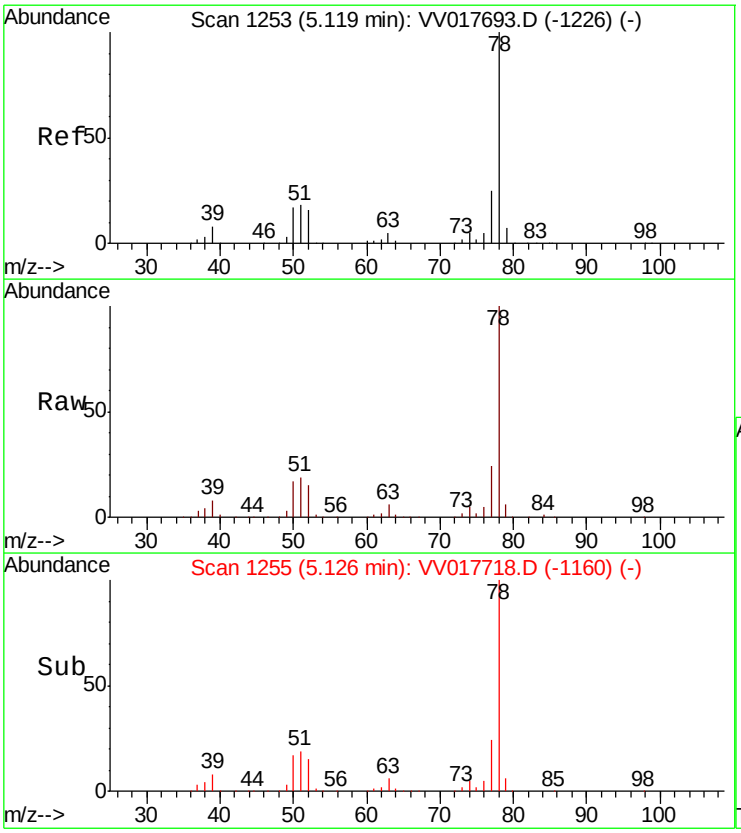

#31
Carbon tetrachloride
Concen: 5.629 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:117 Resp: 101852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.8 | 76.9 | 115.3 |

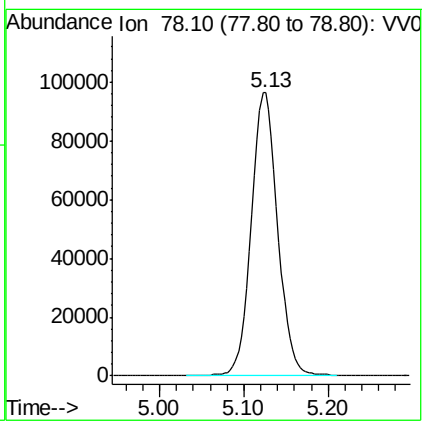
**Instrument :**
MSVOA_V
**ClientSampleId :**

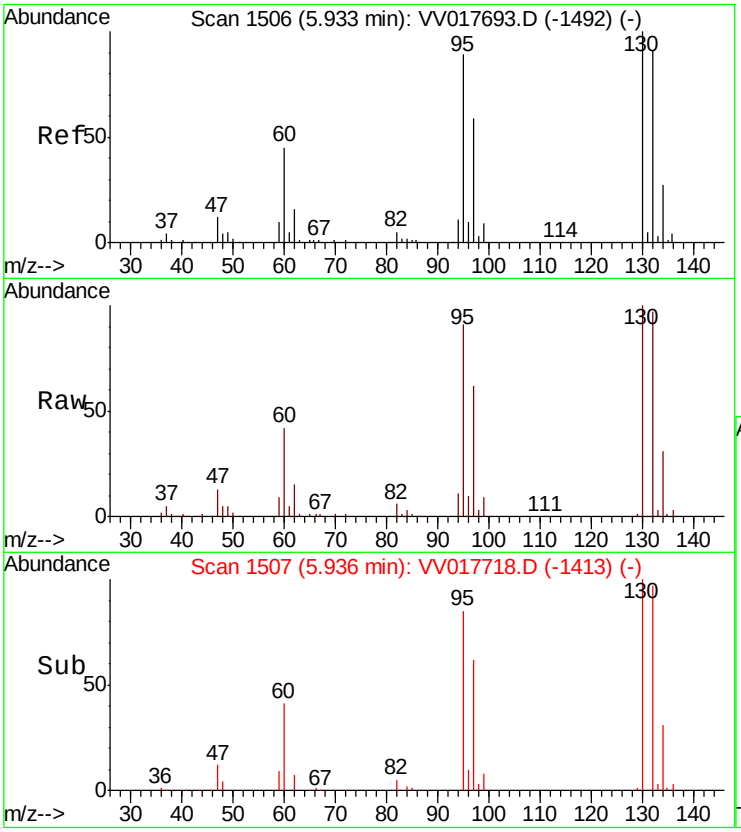



#33
Benzene
Concen: 5.089 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 78 Resp: 209455



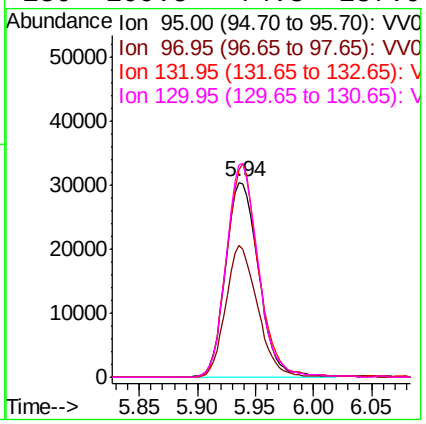


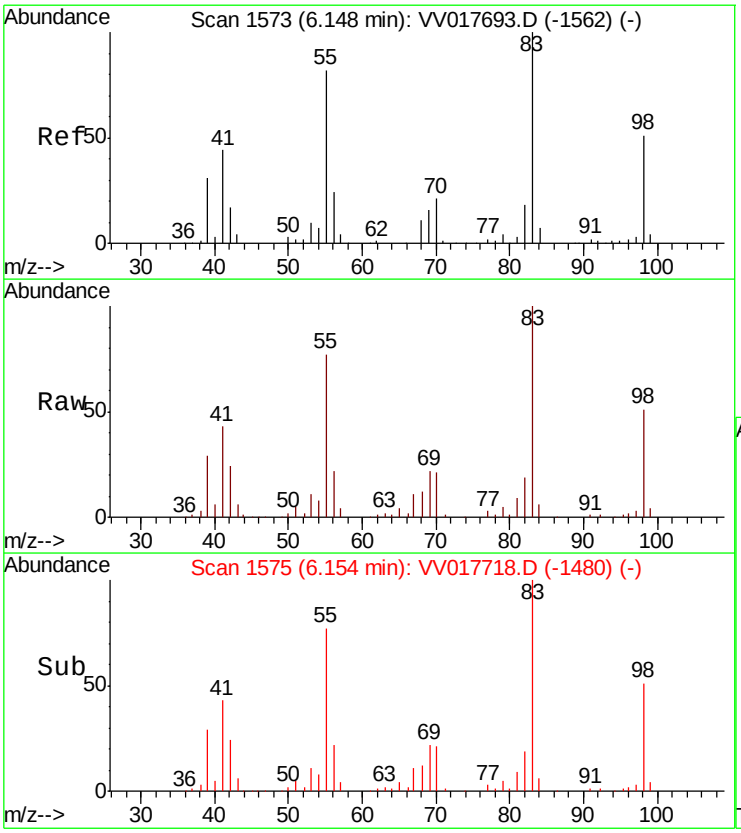

#34
Trichloroethene
Concen: 5.232 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 95 Resp: 60145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 67.9 | 46.1 | 85.5 |
| 132 | 106.4 | 71.7 | 133.1 |
| 130 | 109.5 | 74.3 | 137.9 |

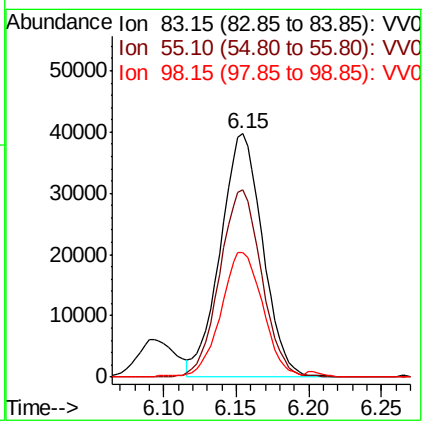


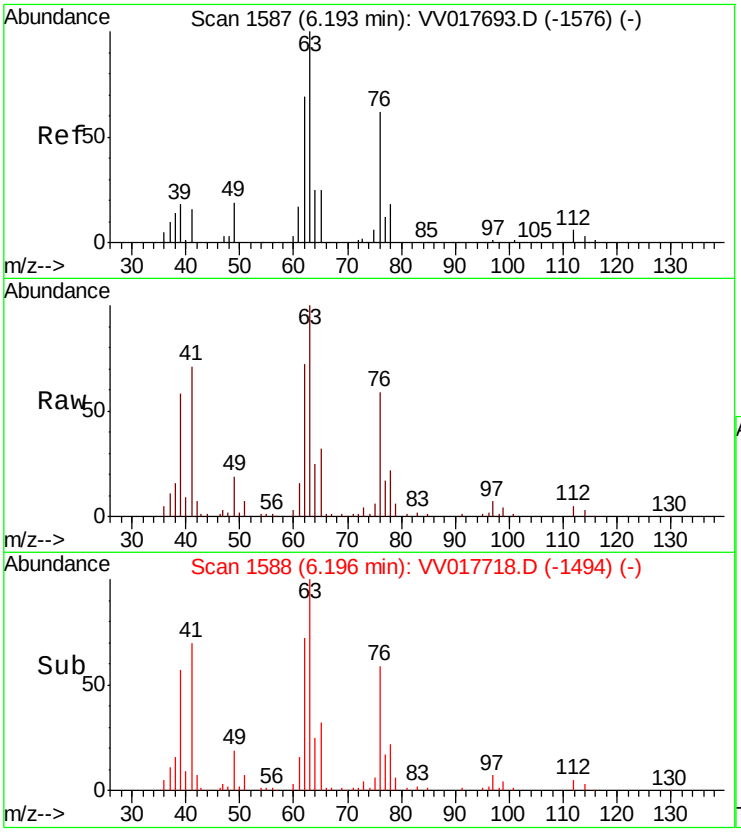




#35
Methylcyclohexane
Concen: 4.642 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 83 Resp: 80731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.1 | 61.8 | 92.8 |
| 98 | 49.7 | 39.0 | 58.6 |



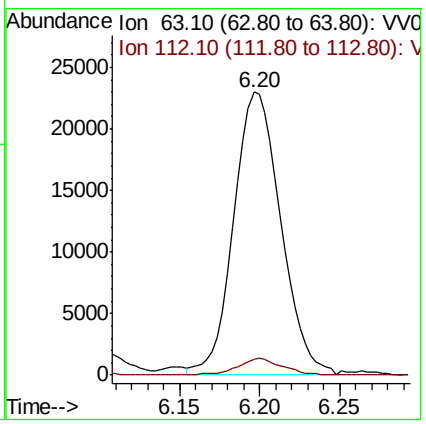


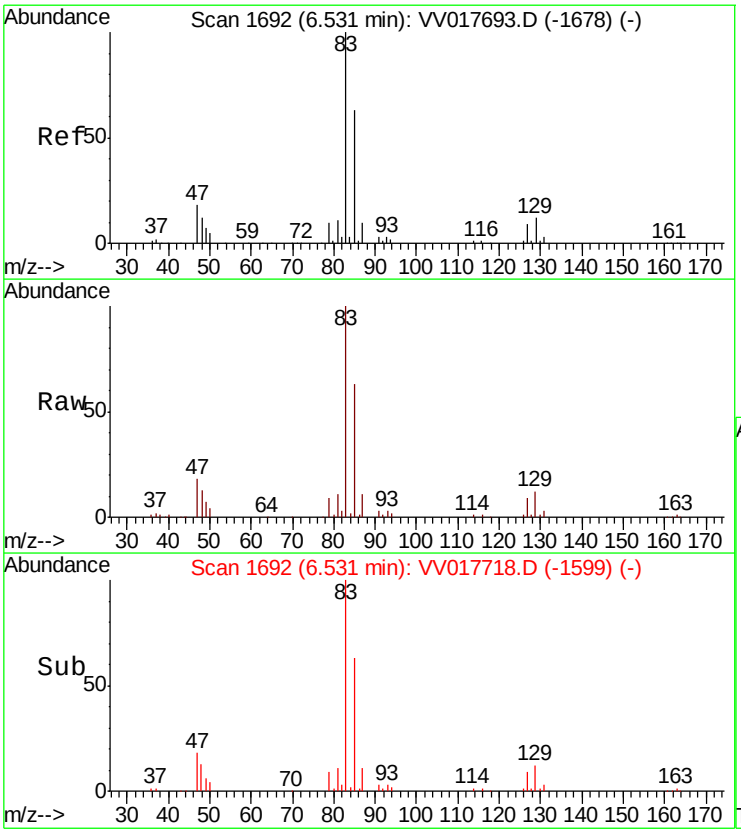

#37
1,2-Dichloropropane
Concen: 4.789 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 63 Resp: 46317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 5.6 | 4.5 | 6.7 |

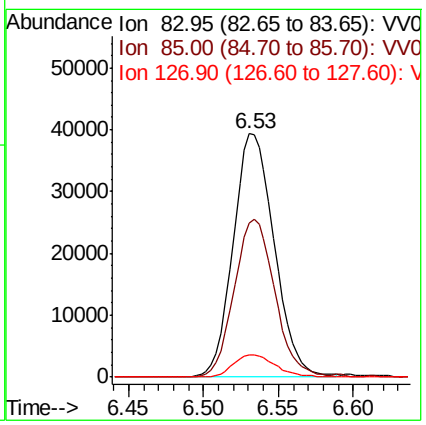


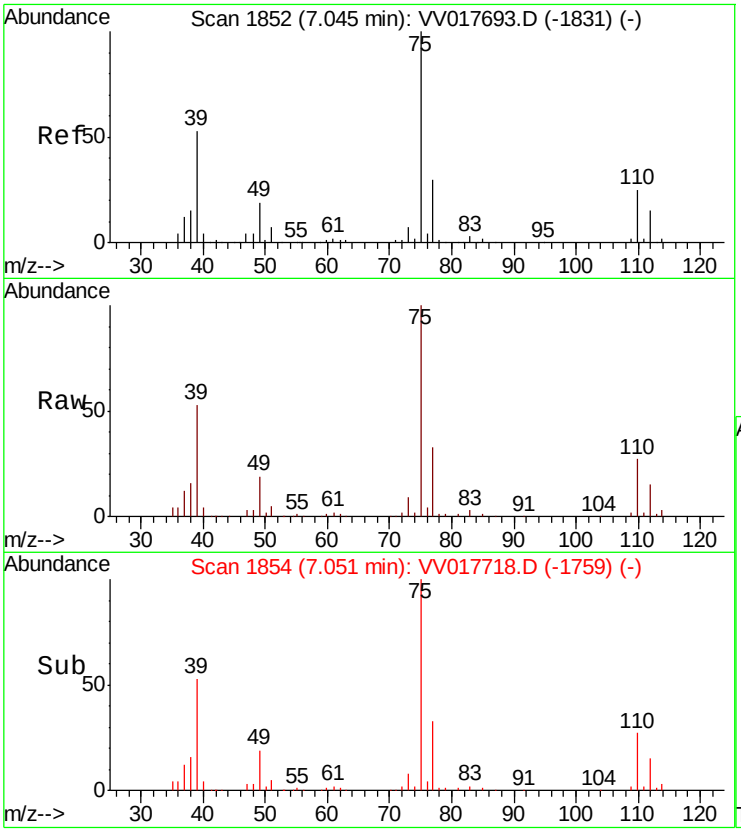




#38
Bromodichloromethane
Concen: 5.292 ug/L
RT: 6.53 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 83 Resp: 75296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 44.7 | 83.1 |
| 127 | 8.9 | 7.4 | 11.0 |



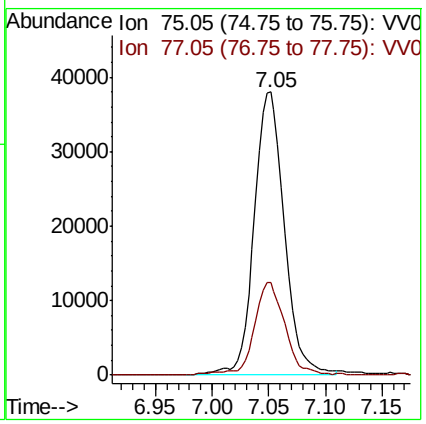


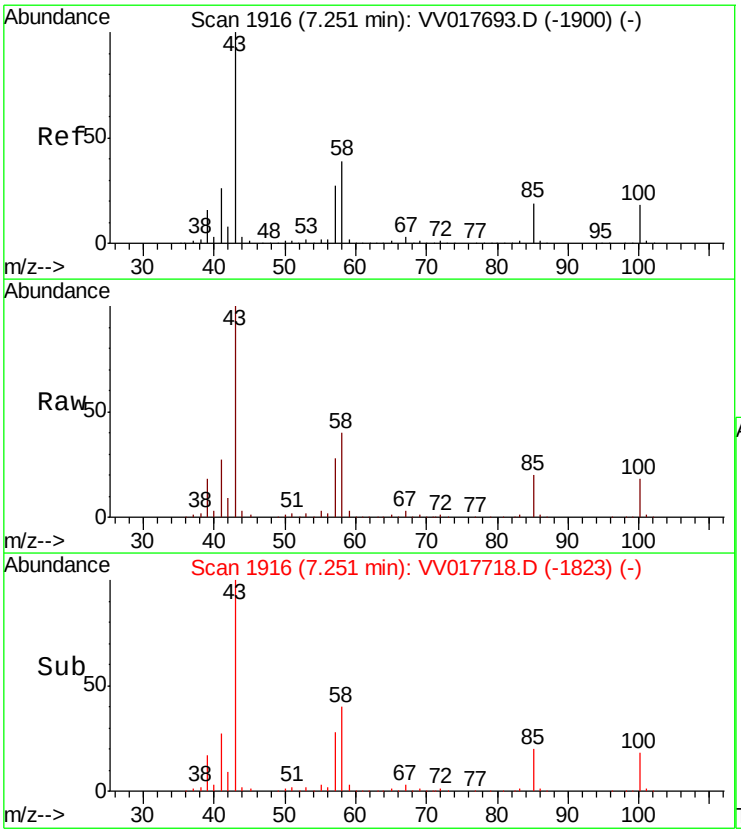

#39
cis-1,3-Dichloropropene
Concen: 4.838 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 75 Resp: 70573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 23.2 | 43.2 |

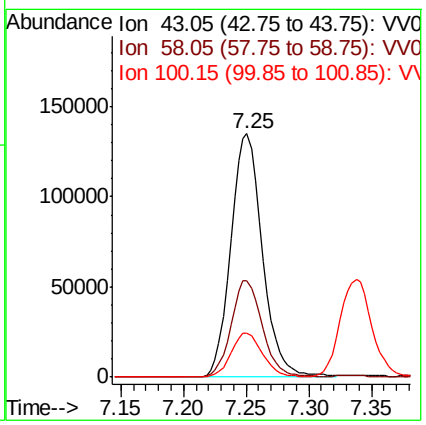


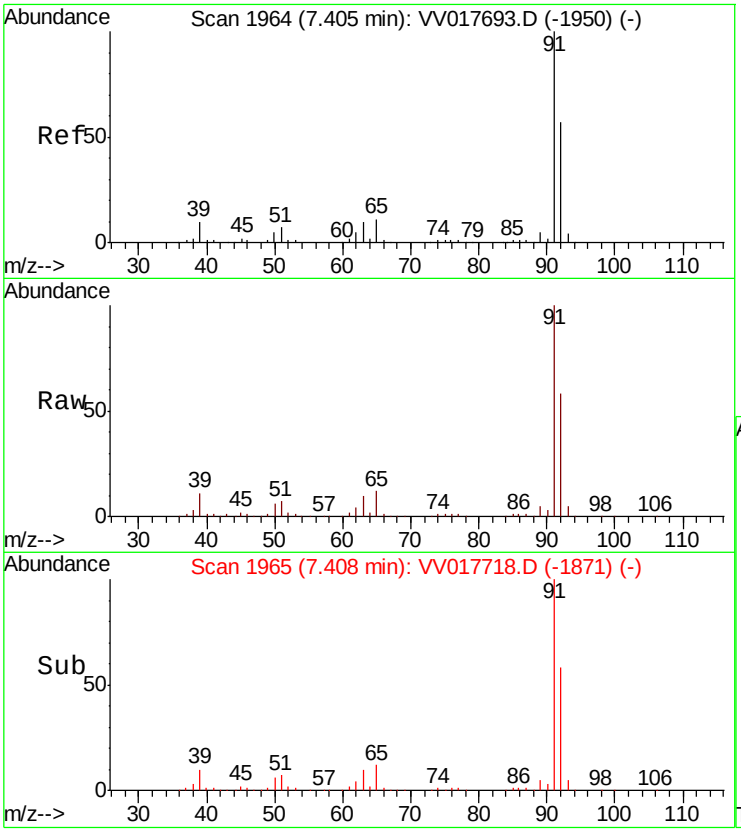




#40
4-Methyl-2-pentanone
Concen: 44.504 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 43 Resp: 236016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.2 | 31.2 | 46.8 |
| 100 | 18.0 | 13.6 | 20.4 |



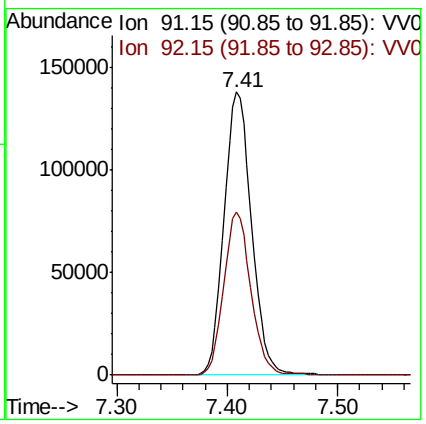


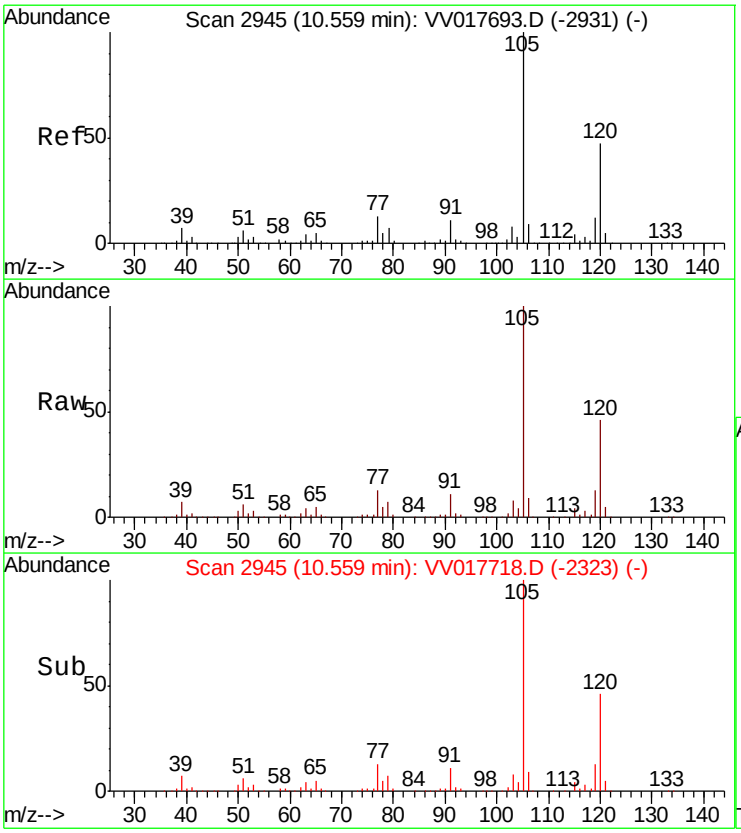

#42
Toluene
Concen: 5.337 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 91 Resp: 239612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.7 | 40.8 | 75.8 |

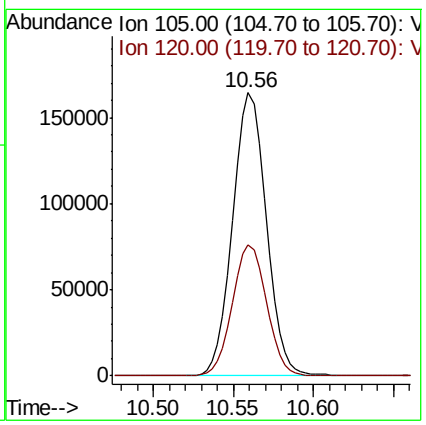


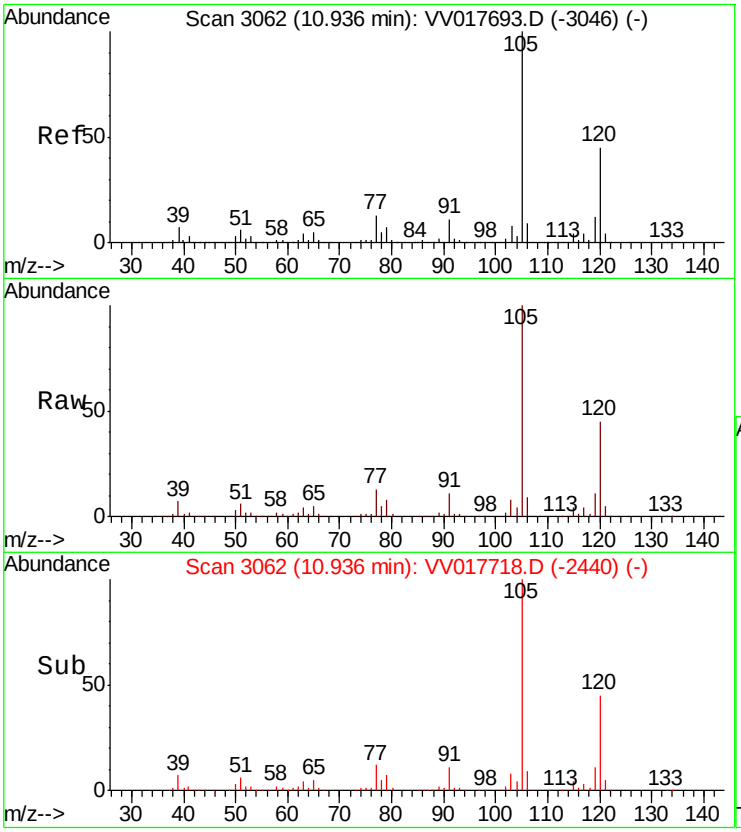




#43
1,3,5-Trimethylbenzene
Concen: 5.625 ug/L
RT: 10.56 min Scan# 2945
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:105 Resp: 235782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 39.4 | 59.2 |



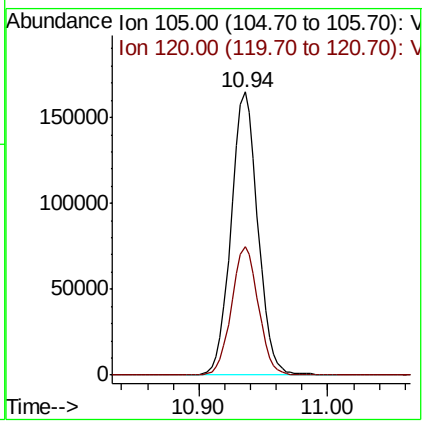


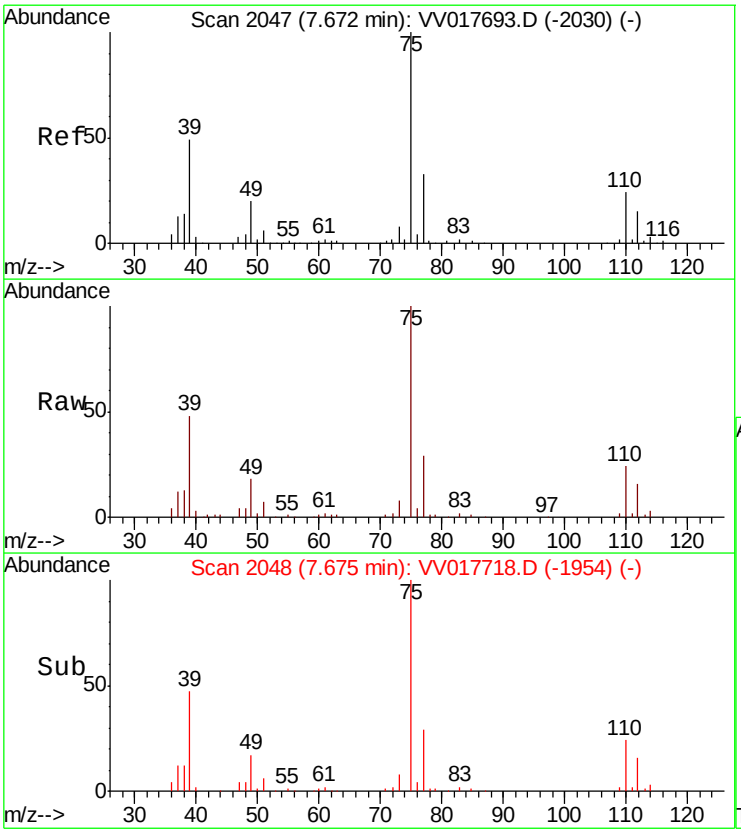

#44
1,2,4-Trimethylbenzene
Concen: 5.537 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:105 Resp: 237143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.4 | 35.9 | 53.9 |

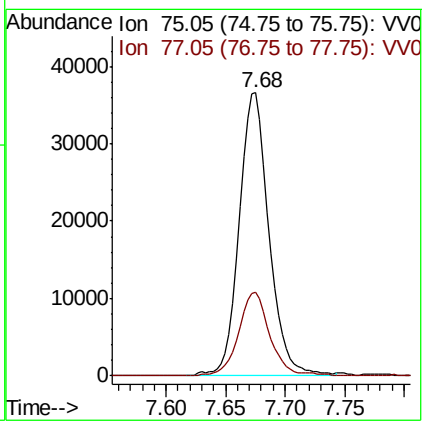


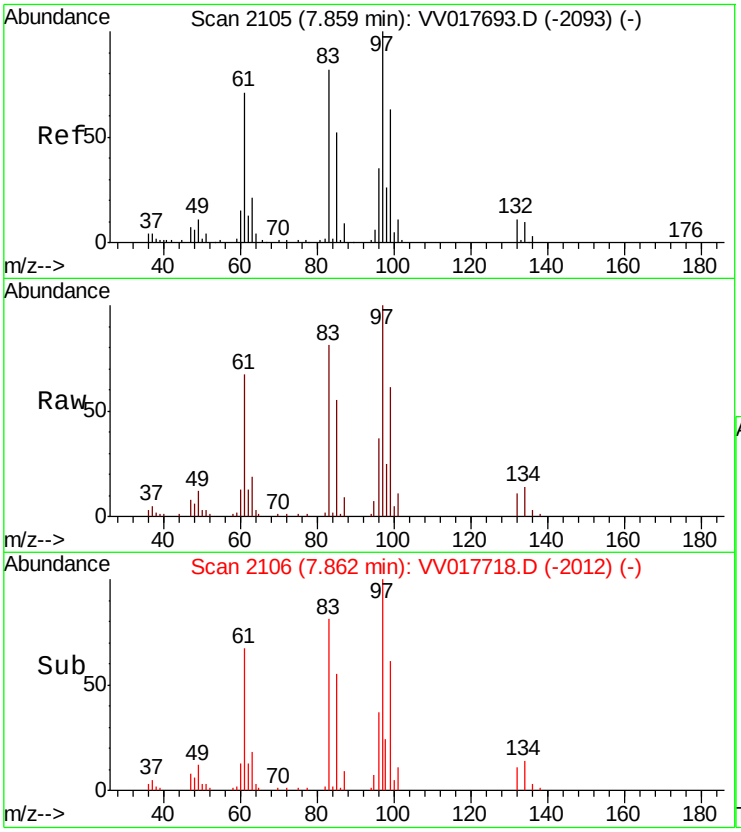




#46
trans-1,3-Dichloropropene
Concen: 4.867 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 75 Resp: 63740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.4 | 22.5 | 41.7 |



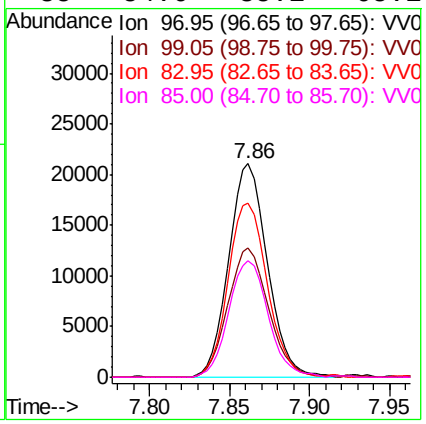


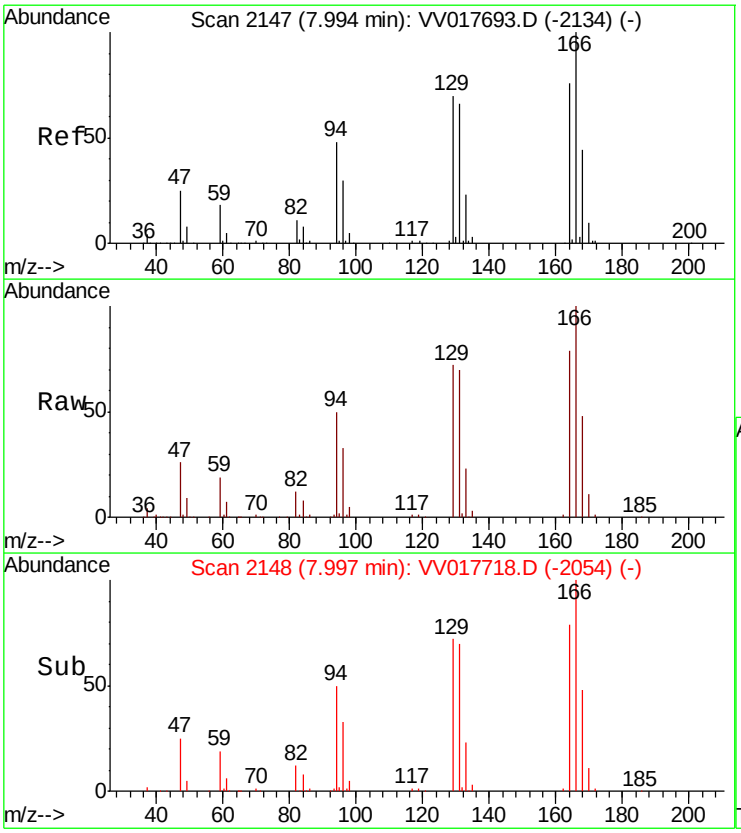

#47
1,1,2-Trichloroethane
Concen: 4.738 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 97 Resp: 34754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.7 | 39.5 | 73.4 |
| 83 | 81.5 | 52.6 | 97.6 |
| 85 | 54.6 | 35.1 | 65.1 |

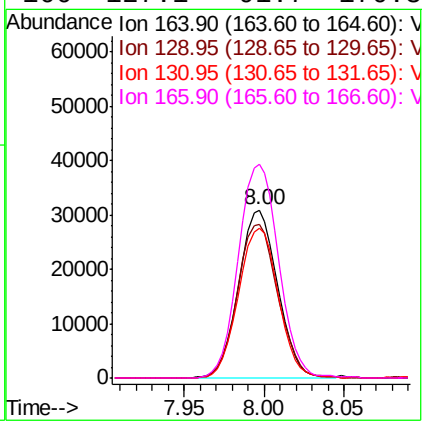


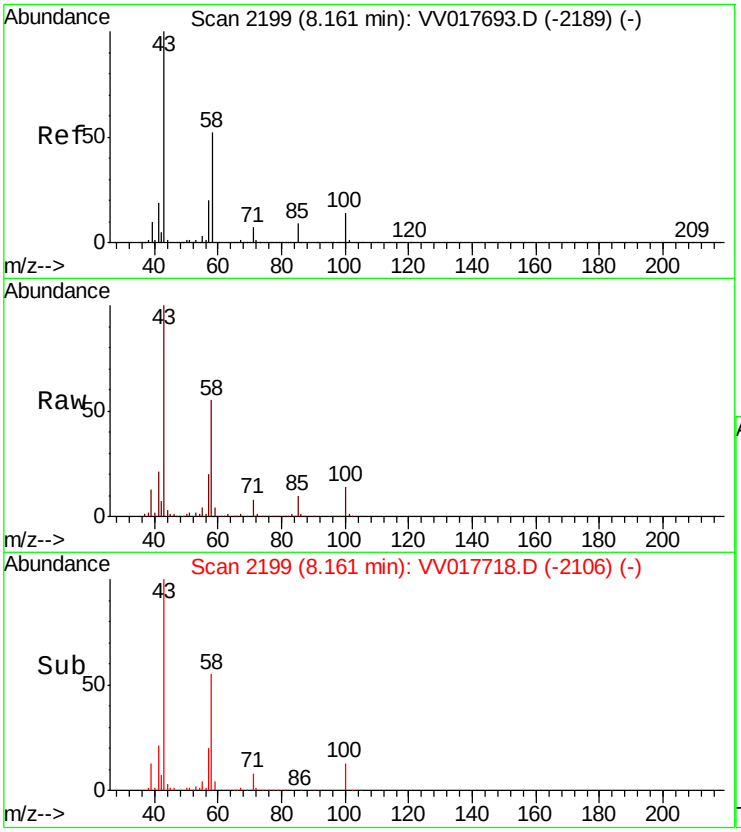




#49
Tetrachloroethene
Concen: 5.064 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:164 Resp: 51326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 91.8 | 65.0 | 120.8 |
| 131 | 89.5 | 63.6 | 118.2 |
| 166 | 127.1 | 91.7 | 170.3 |



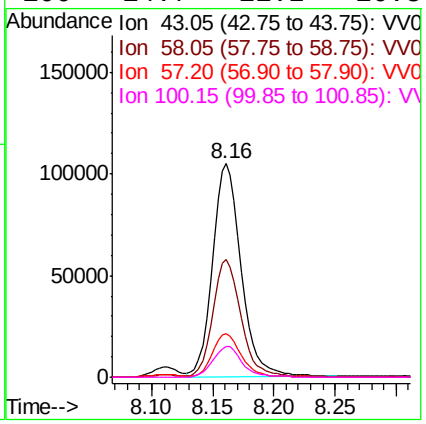


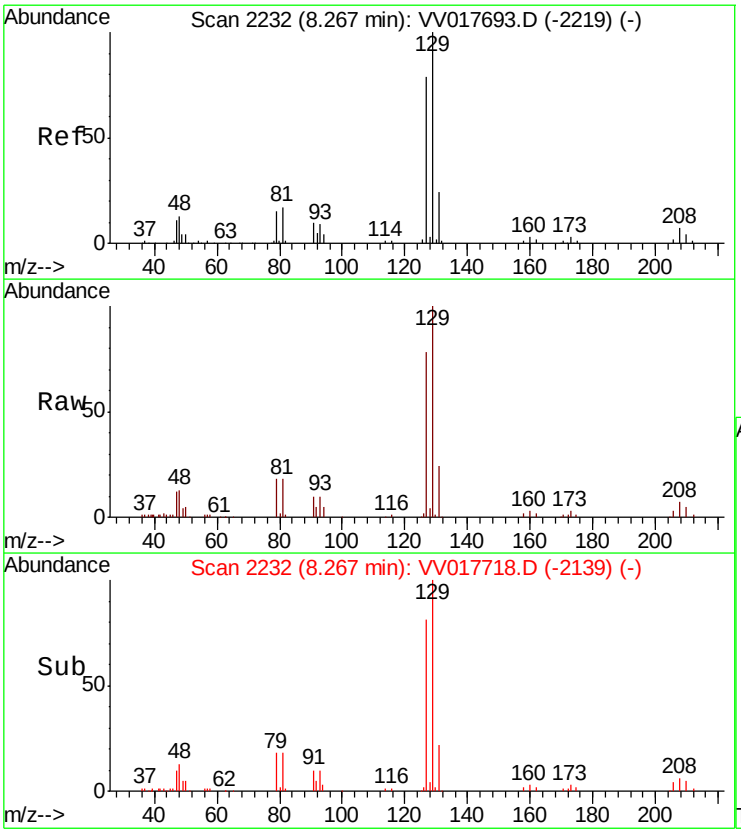

#50
2-Hexanone
Concen: 45.858 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 43 Resp: 172079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.2 | 41.6 | 62.4 |
| 57 | 20.2 | 15.4 | 23.0 |
| 100 | 14.7 | 11.2 | 16.8 |

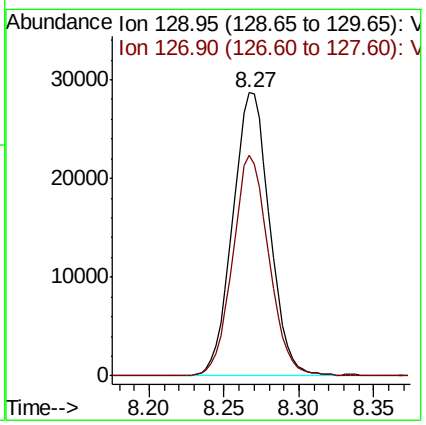


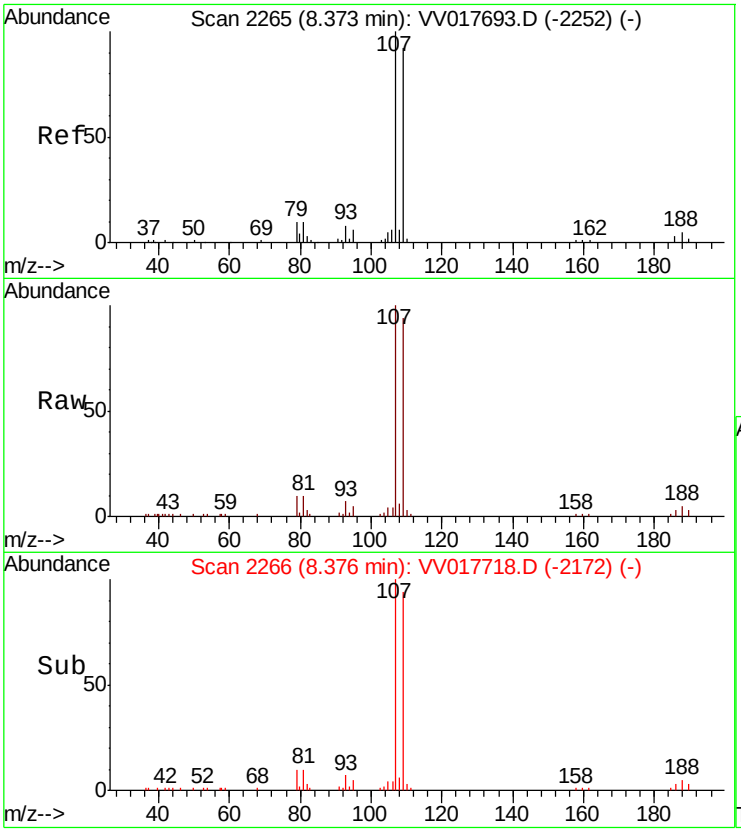




#51
Dibromochloromethane
Concen: 5.289 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:129 Resp: 49378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.2 | 56.3 | 104.5 |



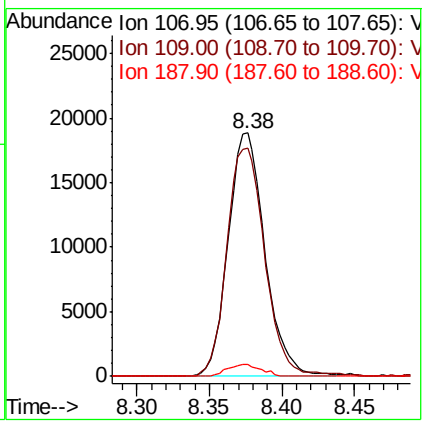


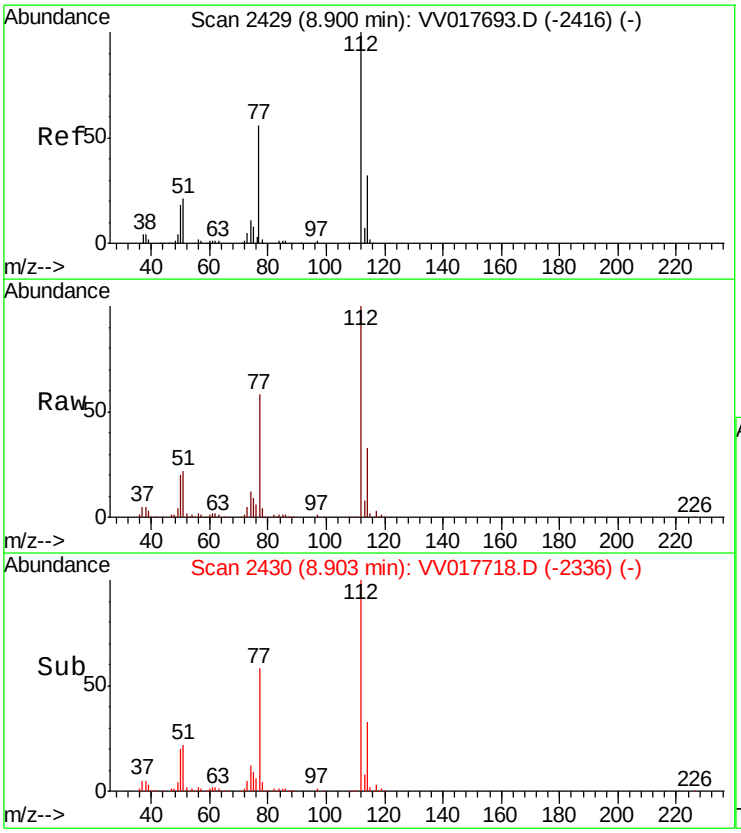

#52
1,2-Dibromoethane
Concen: 4.799 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:107 Resp: 33217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.6 | 65.5 | 121.7 |
| 188 | 4.7 | 3.7 | 5.5 |

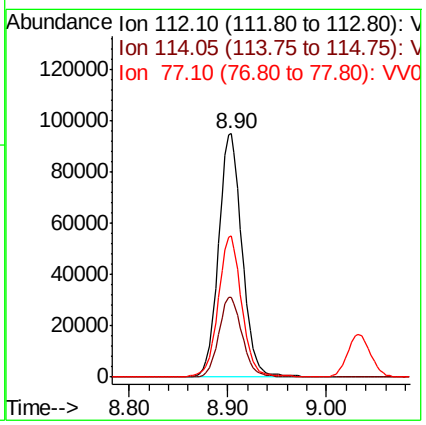


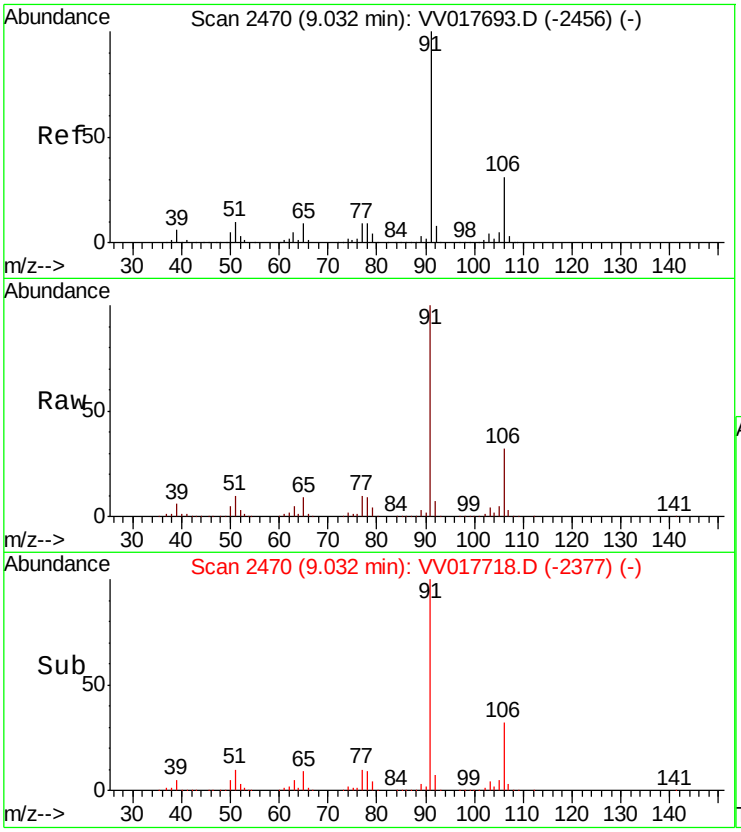




#53
Chlorobenzene
Concen: 5.292 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:112 Resp: 158403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 23.2 | 43.2 |
| 77 | 57.8 | 45.6 | 68.4 |



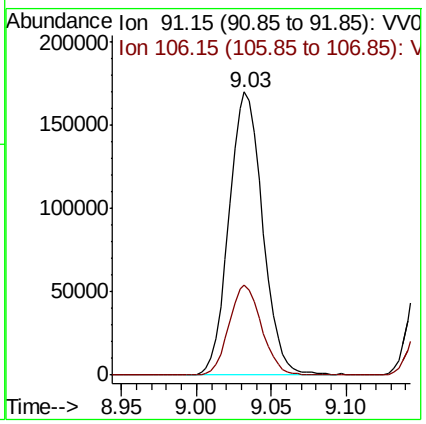


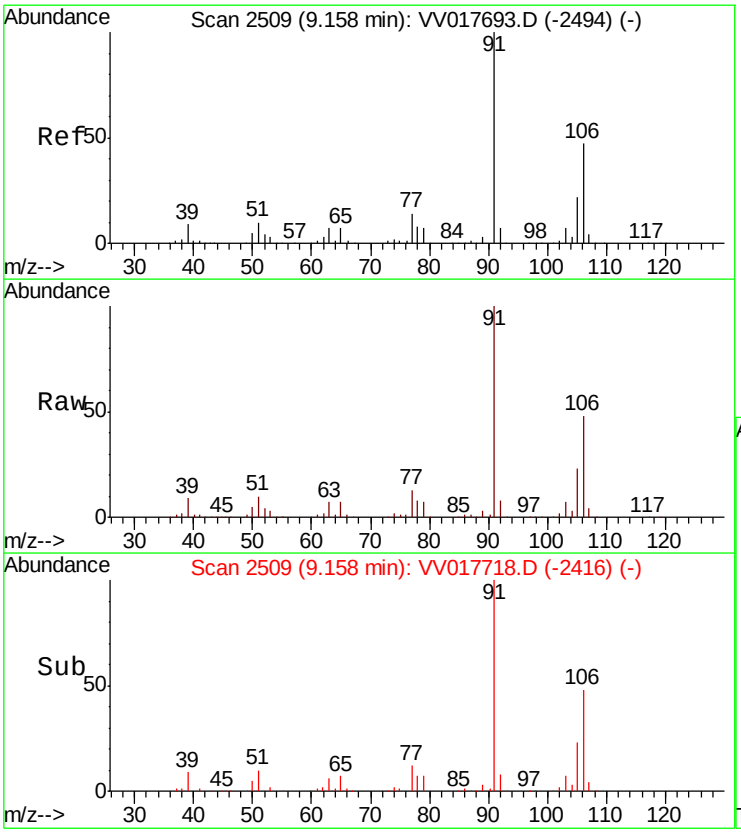

#54
Ethylbenzene
Concen: 5.308 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 91 Resp: 266807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.1 | 21.6 | 40.2 |

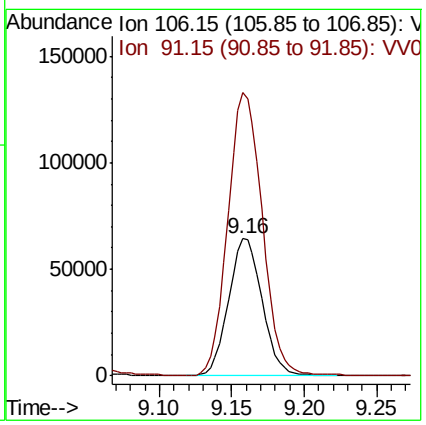


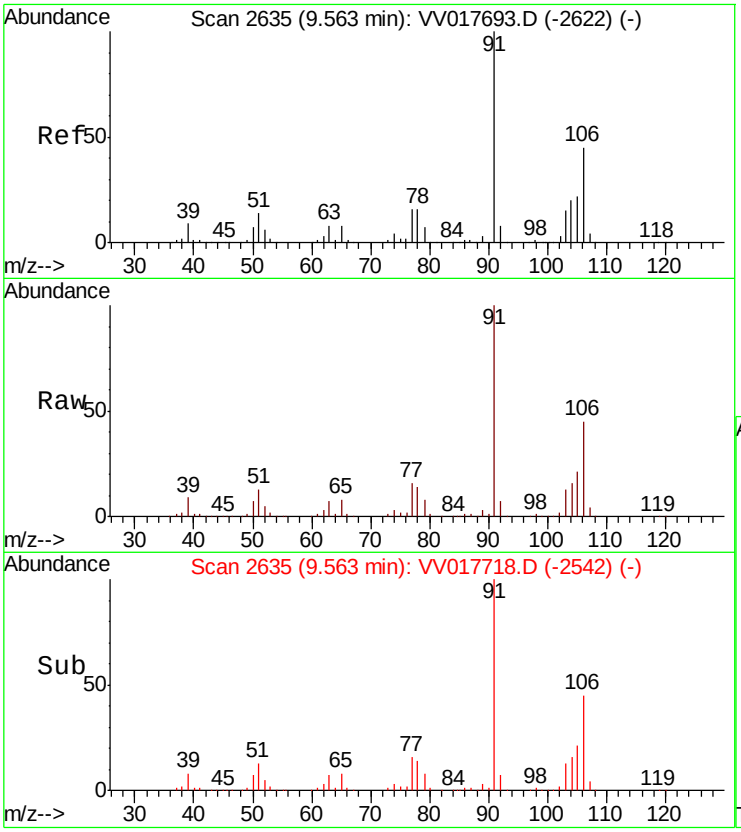




#55
m,p-xylene
Concen: 5.460 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:106 Resp: 103375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.6 | 141.3 | 262.3 |



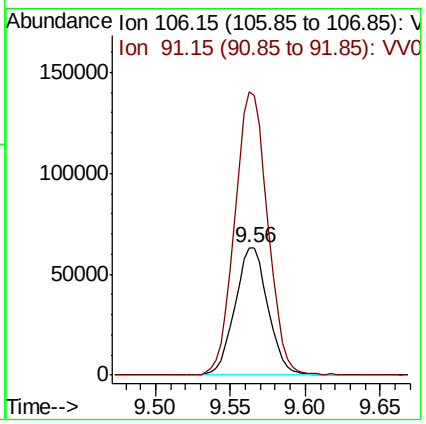


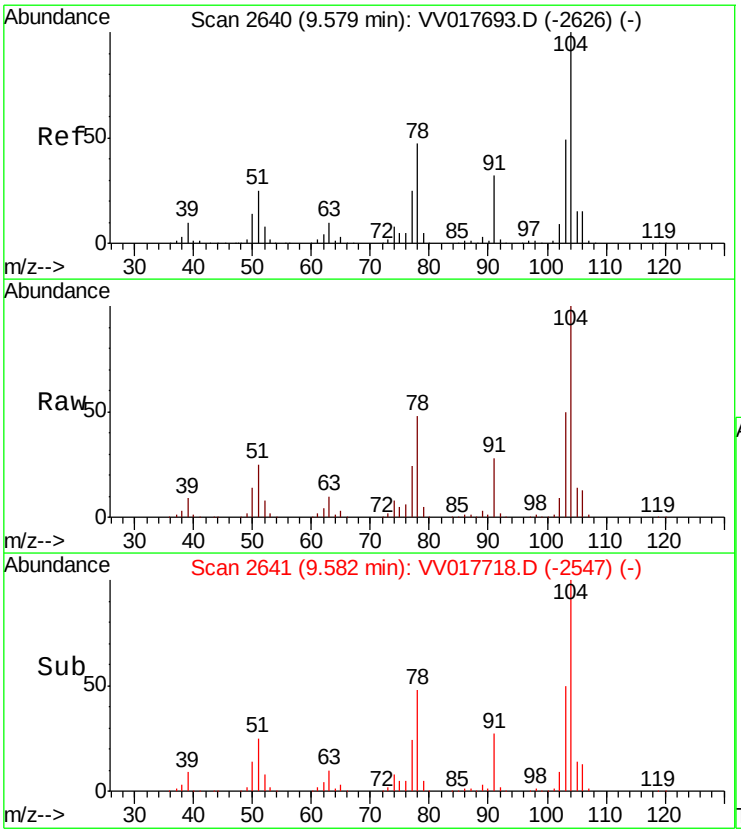

#56
o-xylene
Concen: 5.296 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:106 Resp: 97303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.4 | 153.9 | 285.7 |

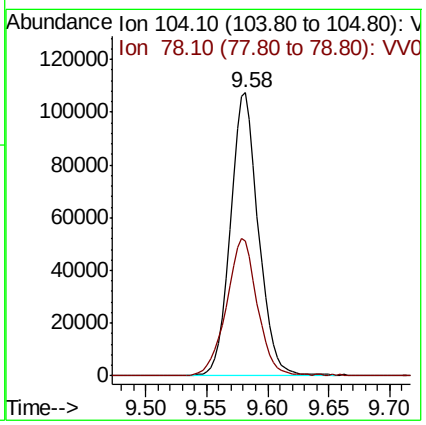


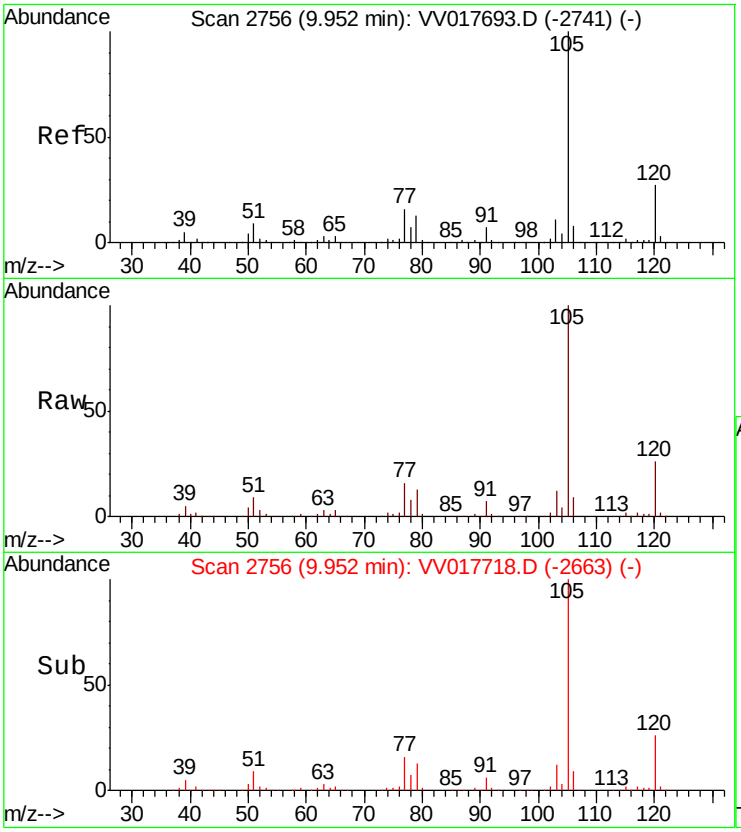




#57
Styrene
Concen: 5.595 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:104 Resp: 171517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 47.6 | 34.0 | 63.2 |



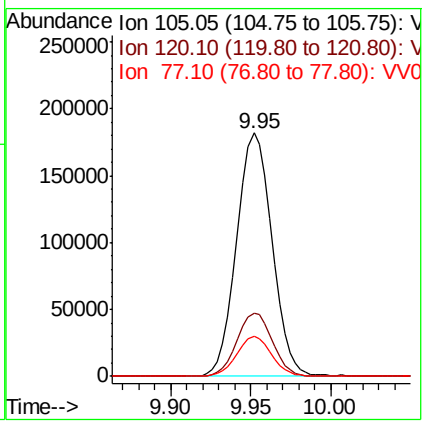


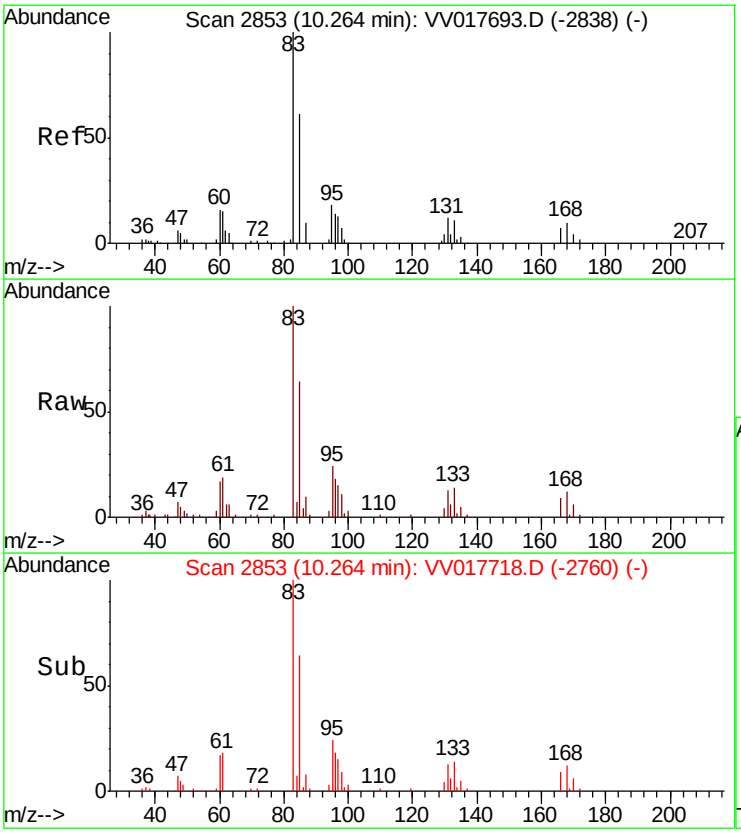

#58
Isopropylbenzene
Concen: 5.402 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:105 Resp: 273776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 21.1 | 31.7 |
| 77 | 16.1 | 13.0 | 19.6 |

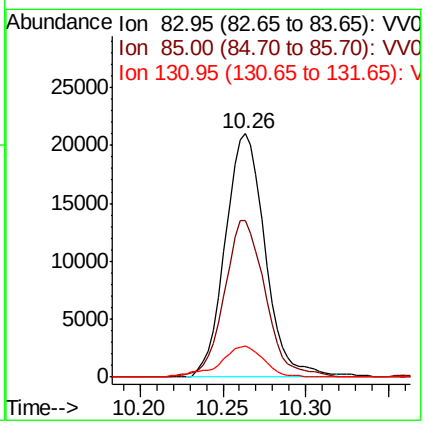


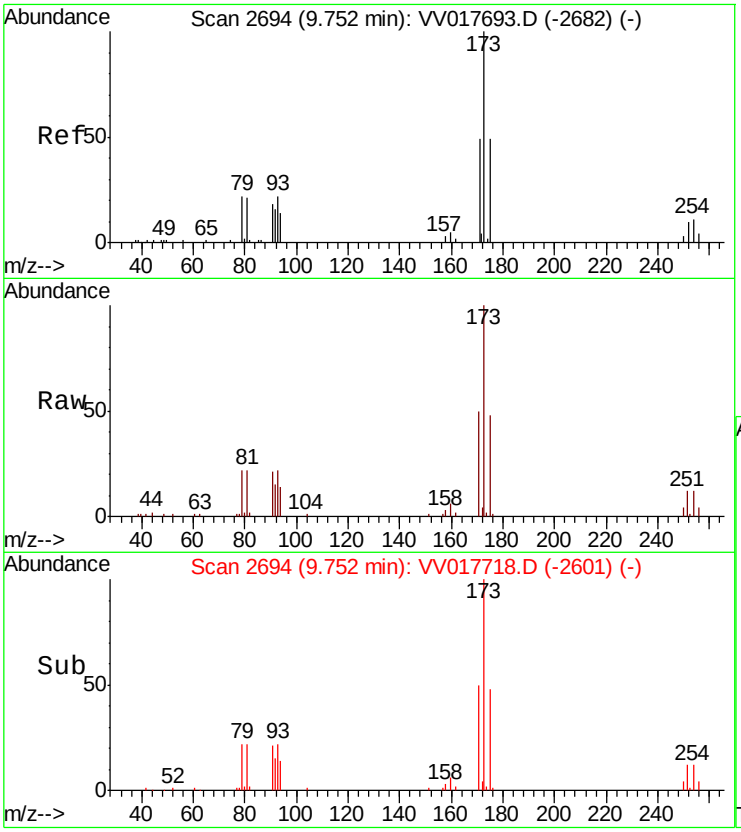




#60
1,1,2,2-Tetrachloroethane
Concen: 4.394 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion: 83 Resp: 35120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 44.4 | 82.5 |
| 131 | 12.7 | 9.2 | 13.8 |



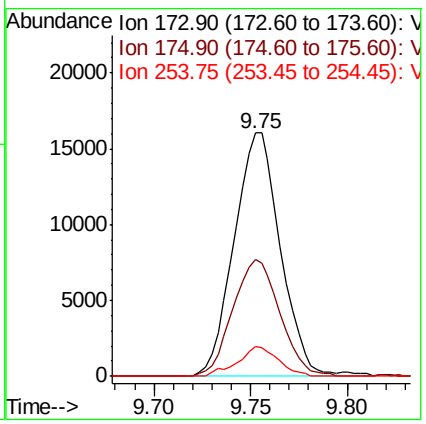


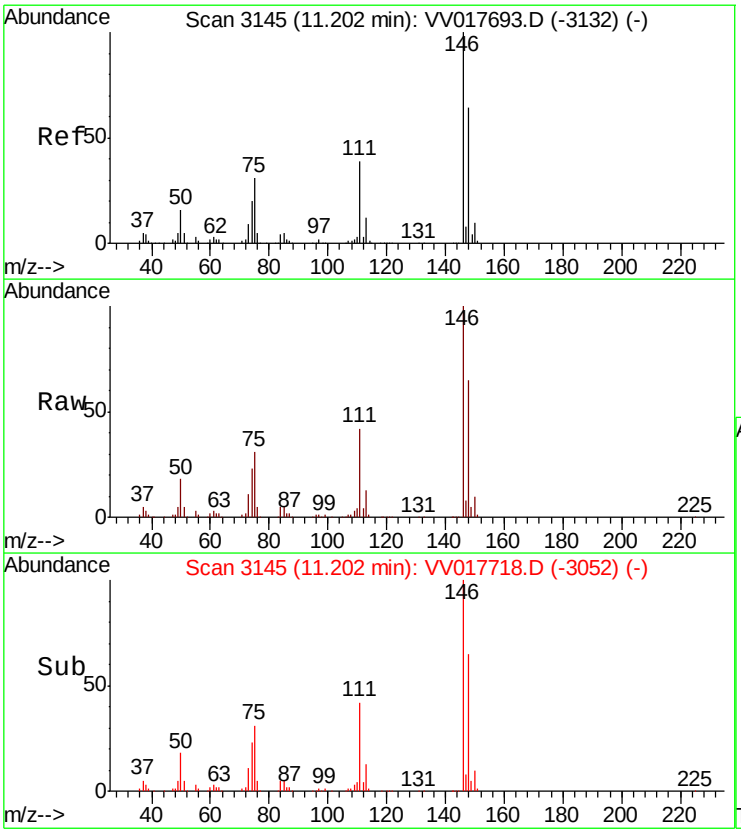

#62
Bromoform
Concen: 5.018 ug/L
RT: 9.75 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:173 Resp: 26553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 39.6 | 59.4 |
| 254 | 10.7 | 8.4 | 12.6 |

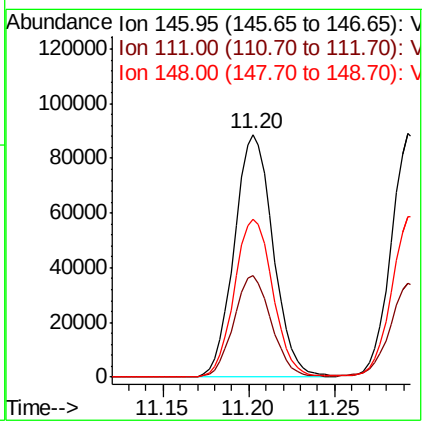


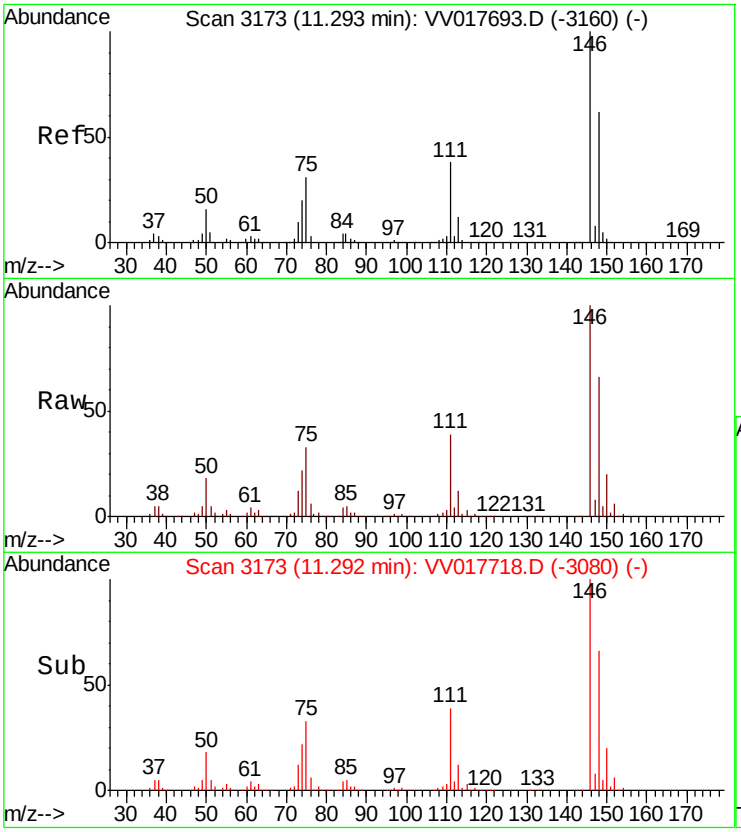




#63
1,3-Dichlorobenzene
Concen: 5.226 ug/L
RT: 11.20 min Scan# 3145
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:146 Resp: 139116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.9 | 27.3 | 50.7 |
| 148 | 65.1 | 45.6 | 84.6 |



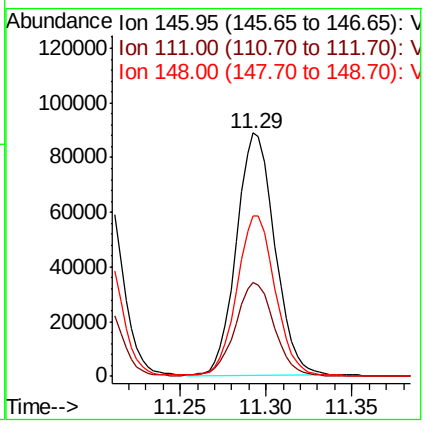


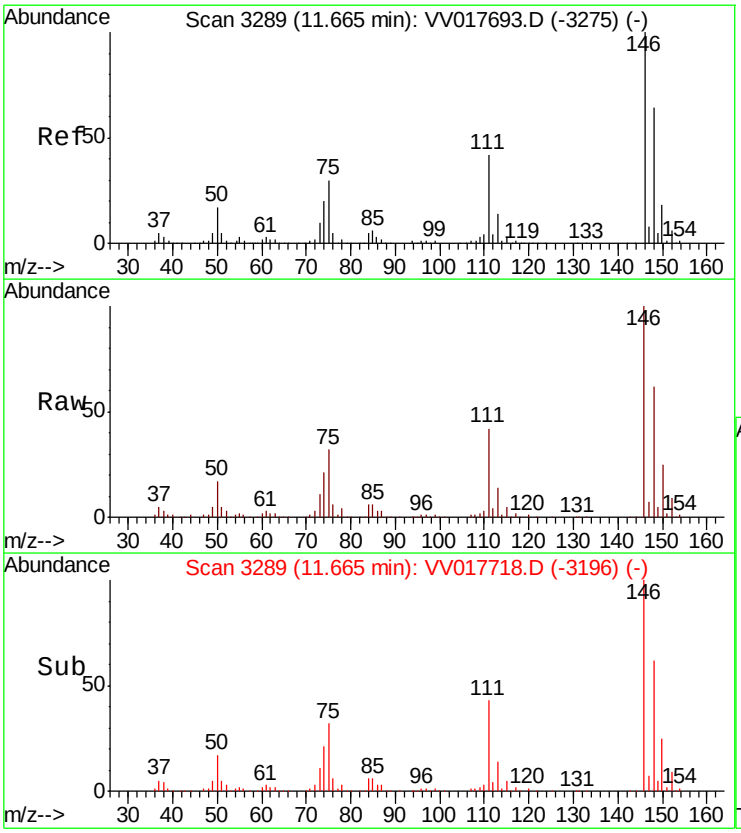

#64
1,4-Dichlorobenzene
Concen: 5.123 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:146 Resp: 136840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.6 | 27.4 | 51.0 |
| 148 | 66.0 | 43.8 | 81.4 |

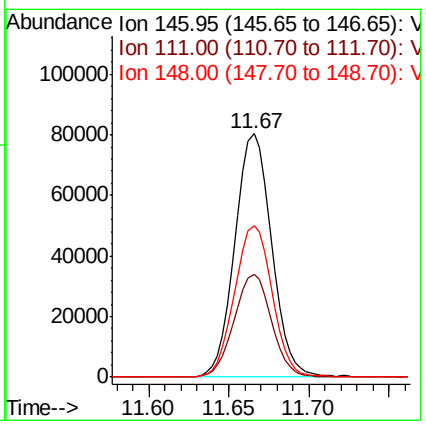


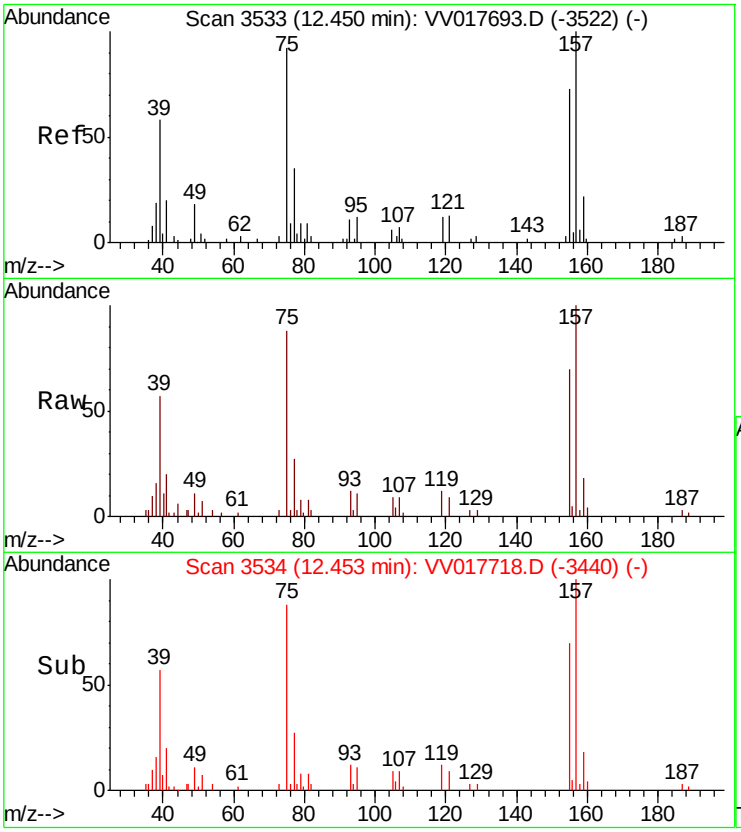




#66
1,2-Dichlorobenzene
Concen: 5.190 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:146 Resp: 125843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 33.0 | 49.4 |
| 148 | 62.4 | 49.9 | 74.9 |



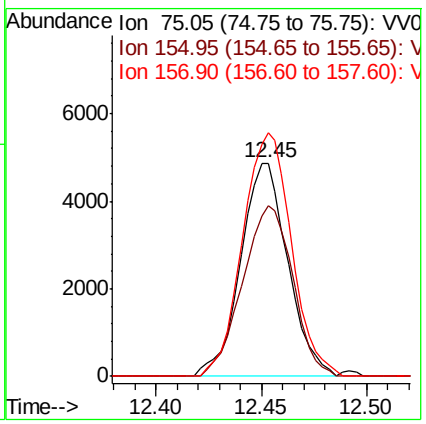


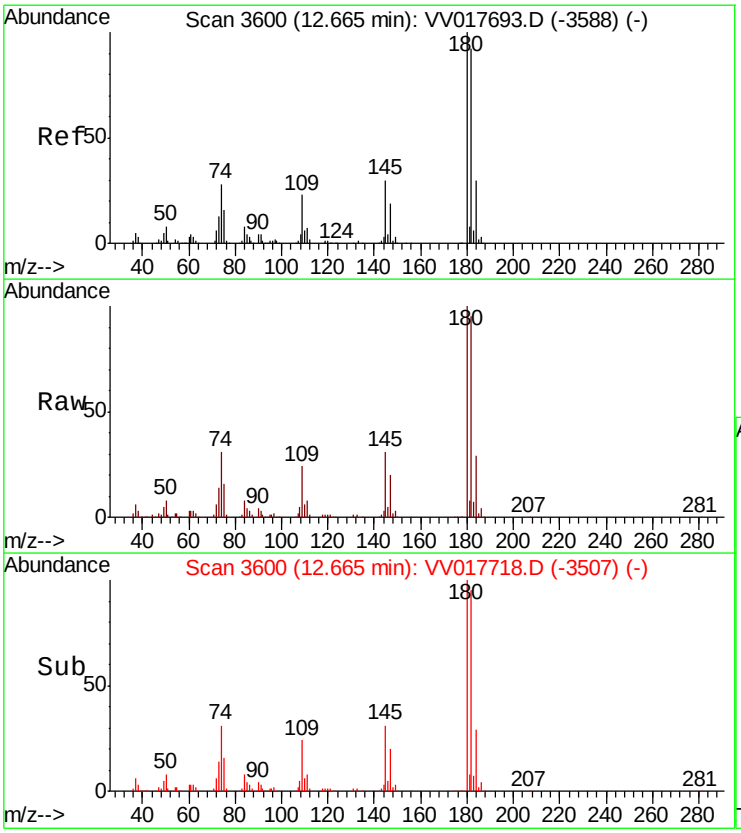

#67
1,2-Dibromo-3-chloropropane
Concen: 4.990 ug/L
RT: 12.45 min Scan# 3534
Delta R.T. 0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion: 75 Resp: 7567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.0 | 68.7 | 103.1 |
| 157 | 114.0 | 87.8 | 131.8 |

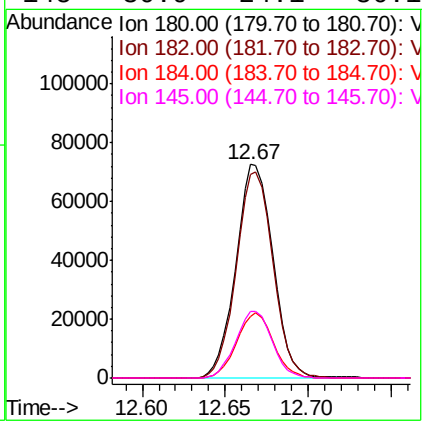


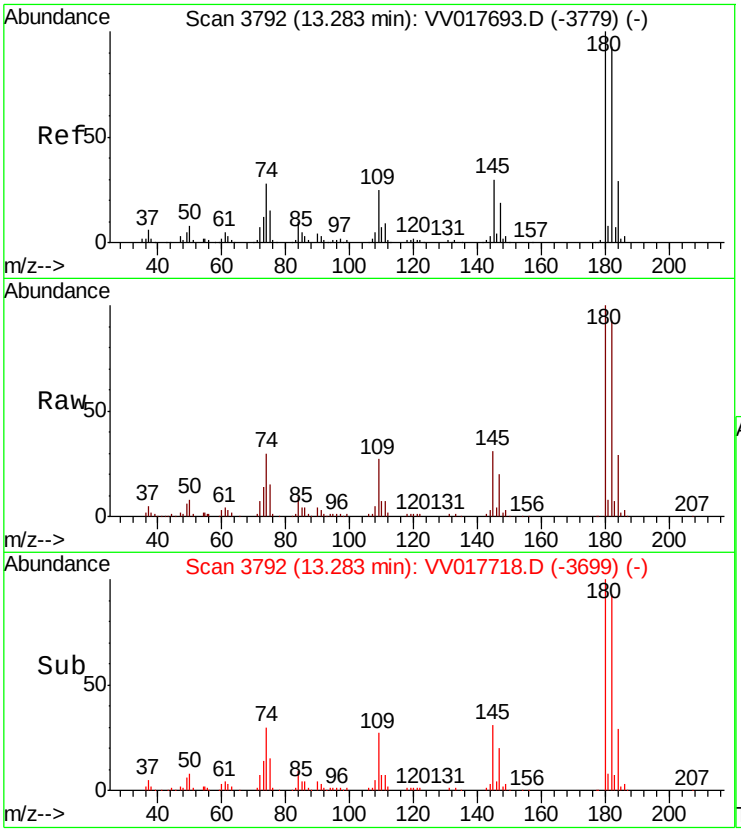




#68
1,3,5-Trichlorobenzene
Concen: 5.236 ug/L
RT: 12.67 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:180 Resp: 113214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 77.1 | 115.7 |
| 184 | 30.0 | 25.2 | 37.8 |
| 145 | 30.9 | 24.1 | 36.1 |



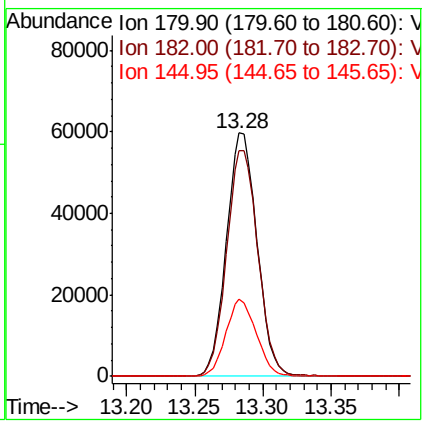


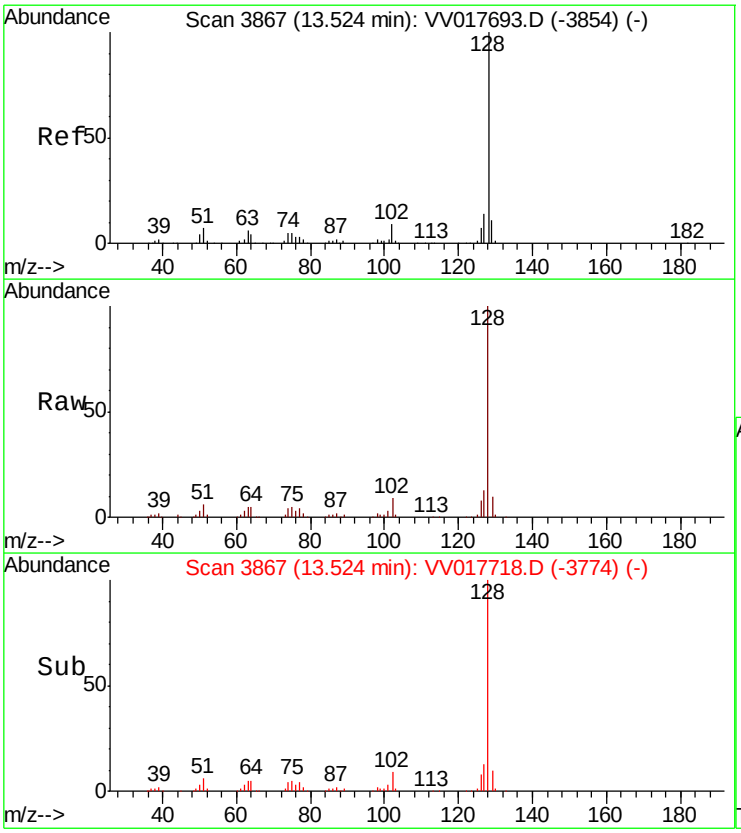

#69
1,2,4-trichlorobenzene
Concen: 5.147 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:180 Resp: 93093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 75.4 | 113.2 |
| 145 | 31.5 | 24.2 | 36.2 |

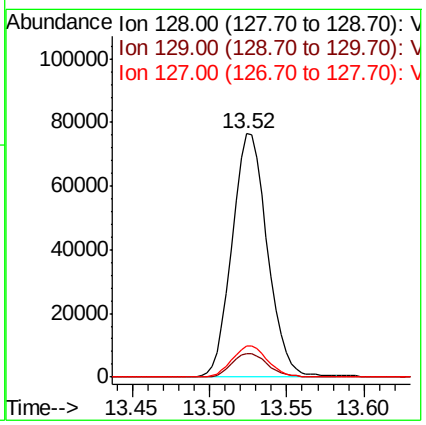


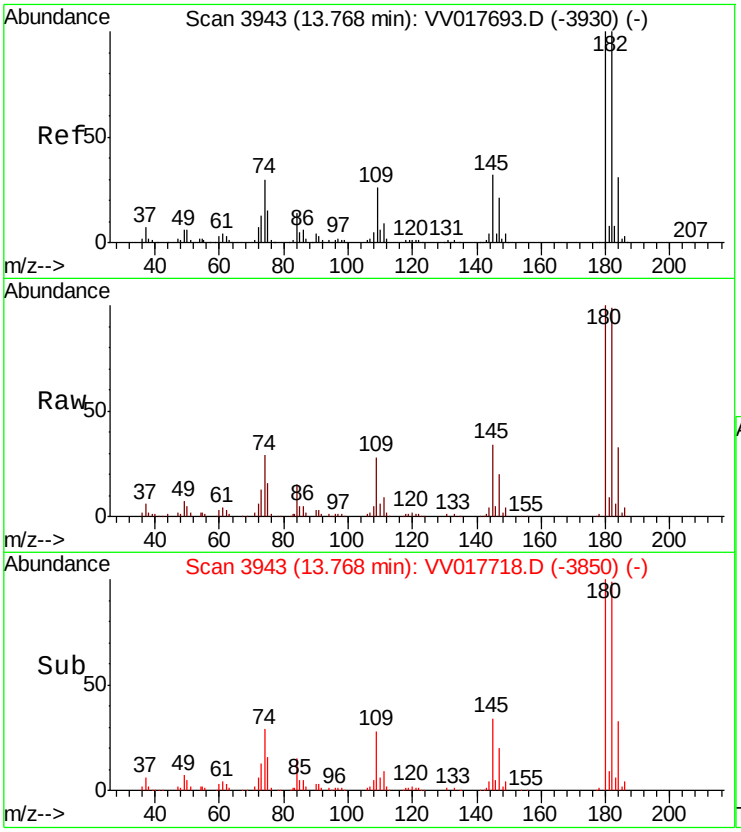




#70
Naphthalene
Concen: 4.810 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

Tgt Ion:128 Resp: 121310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.1 | 9.1 | 13.7 |
| 127 | 12.9 | 11.0 | 16.6 |






#71
1,2,3-Trichlorobenzene
Concen: 4.980 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV017718.D
Acq: 28 Jul 2020 20:41

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

Tgt Ion:180 Resp: 79820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 74.2 | 111.4 |
| 145 | 33.3 | 26.0 | 39.0 |