Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091820\
Data File : VV018358.D
Acq On : 19 Sep 2020 05:03
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

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

Quant Time: Sep 19 05:22:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 19 05:11:16 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 288016 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 283610 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 153690 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 103328 | 44.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 88.04% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 80817 | 42.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 84.16% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 192409 | 44.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 89.38% | | | |
| 21) 2-Butanone-d5 | 3.90 | 46 | 124488 | 86.65 | ug/L | -0.01 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 86.65% | | | |
| 24) Chloroform-d | 4.38 | 84 | 182478 | 44.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 89.62% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 116126 | 44.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 88.96% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 358678 | 44.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 88.36% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 112246 | 43.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 87.02% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 334044 | 45.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 90.30% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 53867 | 41.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 82.18% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 91393 | 93.53 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 93.53% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 147383 | 45.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 91.04% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 134042 | 42.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 84.94% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 96164 | 45.788 | ug/L | 100 |
| 3) Chloromethane | 1.25 | 50 | 110211 | 48.058 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 110876 | 47.148 | ug/L | 100 |
| 6) Bromomethane | 1.53 | 94 | 68332 | 47.540 | ug/L | 99 |
| 8) Chloroethane | 1.59 | 64 | 70236 | 47.678 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.76 | 101 | 155775 | 48.144 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 91301 | 46.977 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 90769 | 47.998 | ug/L | 98 |
| 13) Acetone | 2.18 | 43 | 87864 | 76.375 | ug/L | 98 |
| 14) Carbon disulfide | 2.31 | 76 | 263280 | 45.498 | ug/L | 100 |
| 15) Methyl Acetate | 2.44 | 43 | 102937 | 49.789 | ug/L | 99 |
| 16) Methylene chloride | 2.52 | 84 | 103113 | 48.618 | ug/L | 99 |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 92679 | 47.554 | ug/L | 100 |
| 18) Methyl tert-butyl Ether | 2.78 | 73 | 292275 | 48.480 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 179753 | 48.782 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.94 | 96 | 101764 | 48.846 | ug/L | 97 |
| 22) 2-Butanone | 3.99 | 43 | 132467 | 97.240 | ug/L | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091820\
Data File : VV018358.D
Acq On : 19 Sep 2020 05:03
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

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

Quant Time: Sep 19 05:22:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 19 05:11:16 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.27 | 128 | 54076 | 49.610 | ug/L | 97 |
| 25) Chloroform | 4.40 | 83 | 183619 | 49.022 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.15 | 62 | 144094 | 49.693 | ug/L | 100 |
| 29) Cyclohexane | 4.70 | 56 | 155926 | 47.612 | ug/L | 100 |
| 30) 1,1,1-Trichloroethane | 4.63 | 97 | 159328 | 48.407 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.86 | 117 | 138726 | 47.933 | ug/L | 98 |
| 33) Benzene | 5.13 | 78 | 399038 | 49.211 | ug/L | 100 |
| 34) Trichloroethene | 5.94 | 95 | 103688 | 46.941 | ug/L | 99 |
| 35) Methylcyclohexane | 6.15 | 83 | 151691 | 45.609 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.20 | 63 | 104682 | 48.718 | ug/L | 100 |
| 38) Bromodichloromethane | 6.53 | 83 | 135407 | 48.425 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.05 | 75 | 150309 | 45.401 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.24 | 43 | 269811 | 103.505 | ug/L | 99 |
| 42) Toluene | 7.41 | 91 | 425663 | 49.604 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.67 | 75 | 148053 | 45.930 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.86 | 97 | 99448 | 49.934 | ug/L | 99 |
| 46) Tetrachloroethene | 8.00 | 164 | 80830 | 46.670 | ug/L | 98 |
| 48) 2-Hexanone | 8.16 | 43 | 206512 | 100.487 | ug/L | 99 |
| 49) Dibromochloromethane | 8.27 | 129 | 108079 | 48.346 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.37 | 107 | 103608 | 49.430 | ug/L | 99 |
| 51) Chlorobenzene | 8.90 | 112 | 271685 | 48.751 | ug/L | 99 |
| 52) Ethylbenzene | 9.03 | 91 | 462446 | 49.361 | ug/L | 100 |
| 53) m,p-Xylene | 9.16 | 106 | 174895 | 50.015 | ug/L | 96 |
| 54) o-xylene | 9.57 | 106 | 169009 | 50.168 | ug/L | 99 |
| 55) Styrene | 9.58 | 104 | 302631 | 51.683 | ug/L | 100 |
| 56) Isopropylbenzene | 9.95 | 105 | 452455 | 49.833 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.26 | 83 | 151657 | 51.478 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.30 | 75 | 127003 | 50.253 | ug/L | 100 |
| 61) Bromoform | 9.75 | 173 | 80384 | 48.686 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.20 | 146 | 219668 | 48.066 | ug/L | 100 |
| 63) 1,4-Dichlorobenzene | 11.29 | 146 | 224728 | 47.841 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.67 | 146 | 219764 | 47.575 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.45 | 75 | 33602 | 51.548 | ug/L | 98 |
| 67) 1,3,5-Trichlorobenzene | 12.67 | 180 | 163197 | 45.297 | ug/L | 100 |
| 68) 1,2,4-trichlorobenzene | 13.28 | 180 | 153062 | 47.708 | ug/L | 98 |
| 69) Naphthalene | 13.52 | 128 | 455818 | 56.148 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180 | 160447 | 50.775 | ug/L | 100 |

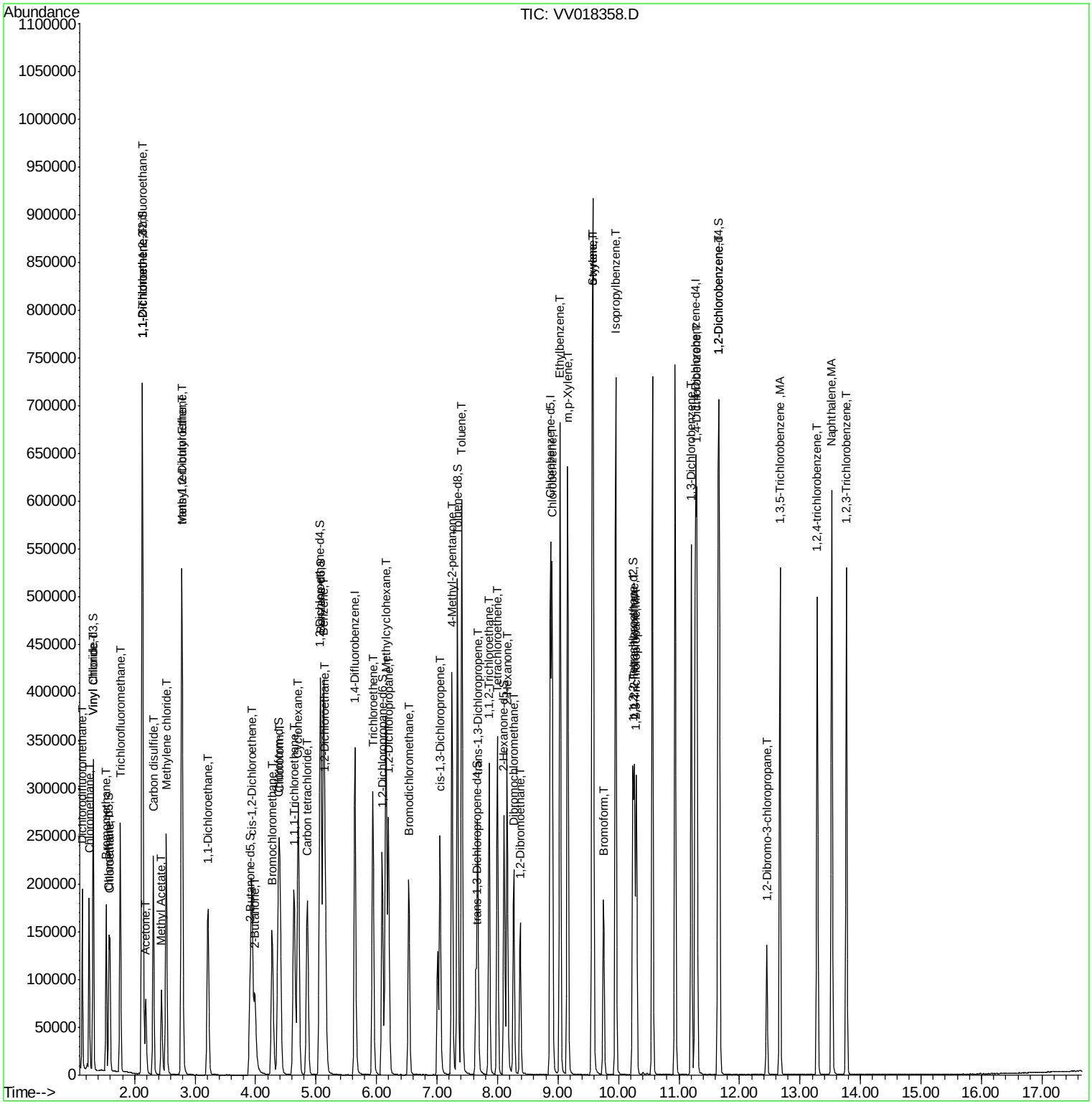
(#) = qualifier out of range (m) = manual integration (+) = signals summed

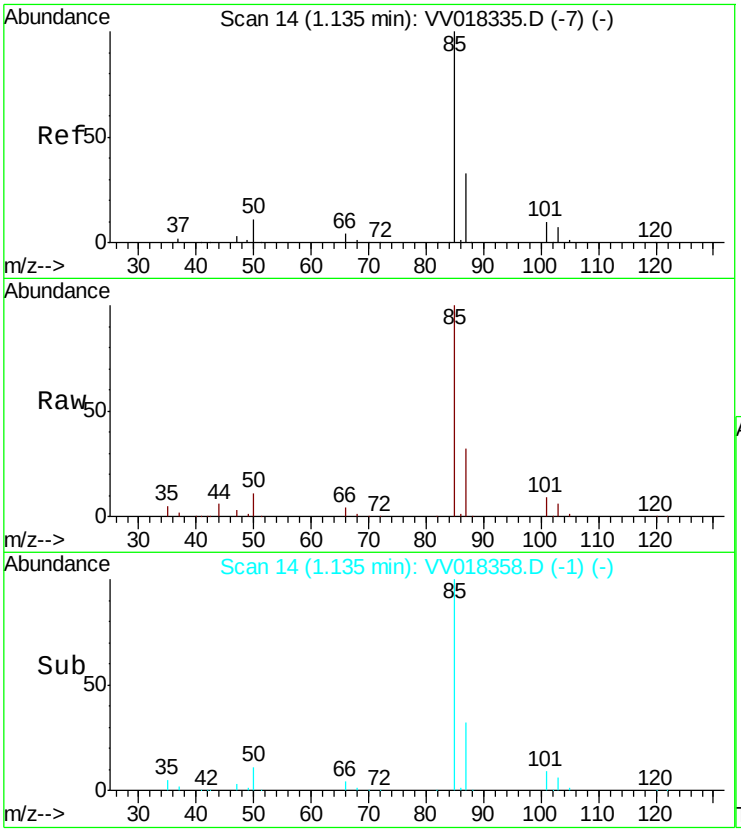
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091820\
Data File : VV018358.D
Acq On : 19 Sep 2020 05:03
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

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

Quant Time: Sep 19 05:22:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 19 05:11:16 2020
Response via : Initial Calibration



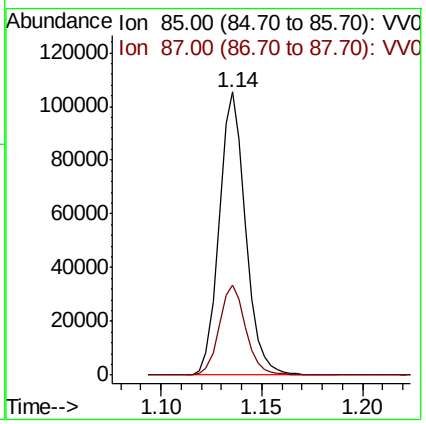


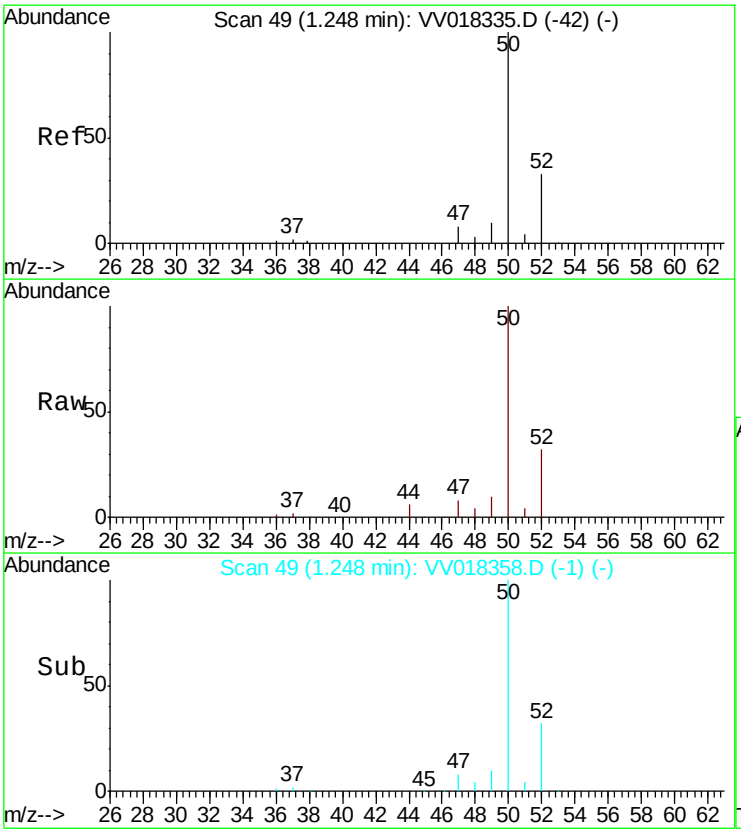

#2
Dichlorodifluoromethane
Concen: 45.788 ug/L
RT: 1.14 min Scan# 14
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 85 Resp: 96164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.9 | 25.7 | 38.5 |

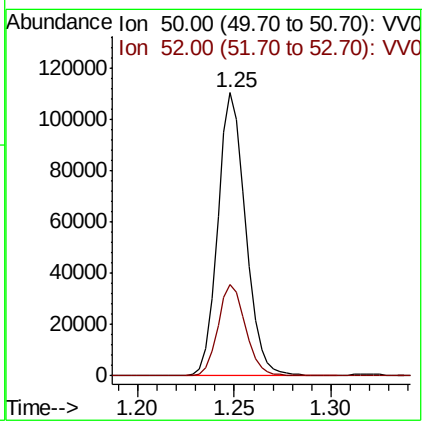


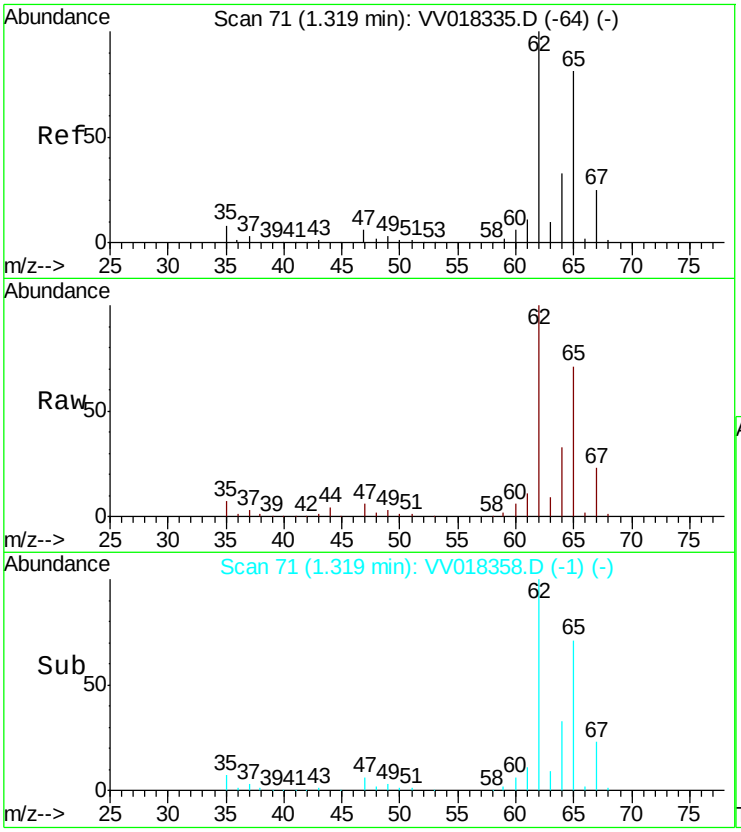




#3
Chloromethane
Concen: 48.058 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 50 Resp: 110211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 22.7 | 42.3 |



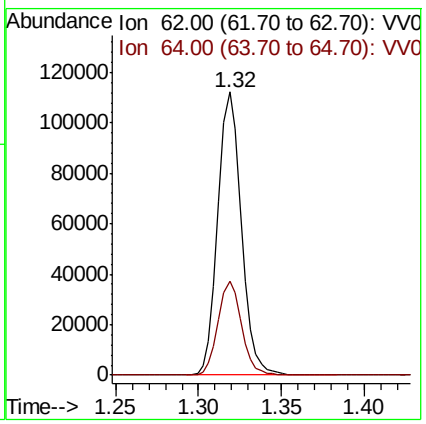


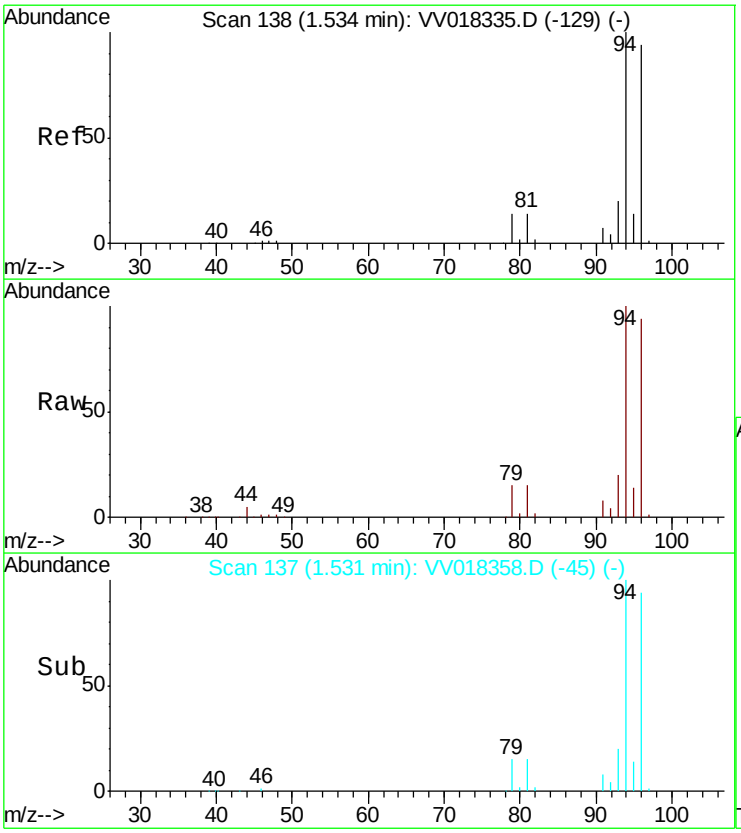

#5
Vinyl chloride
Concen: 47.148 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 62 Resp: 110876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.1 | 23.1 | 42.9 |

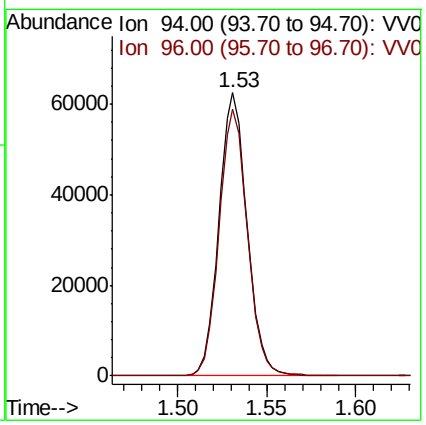


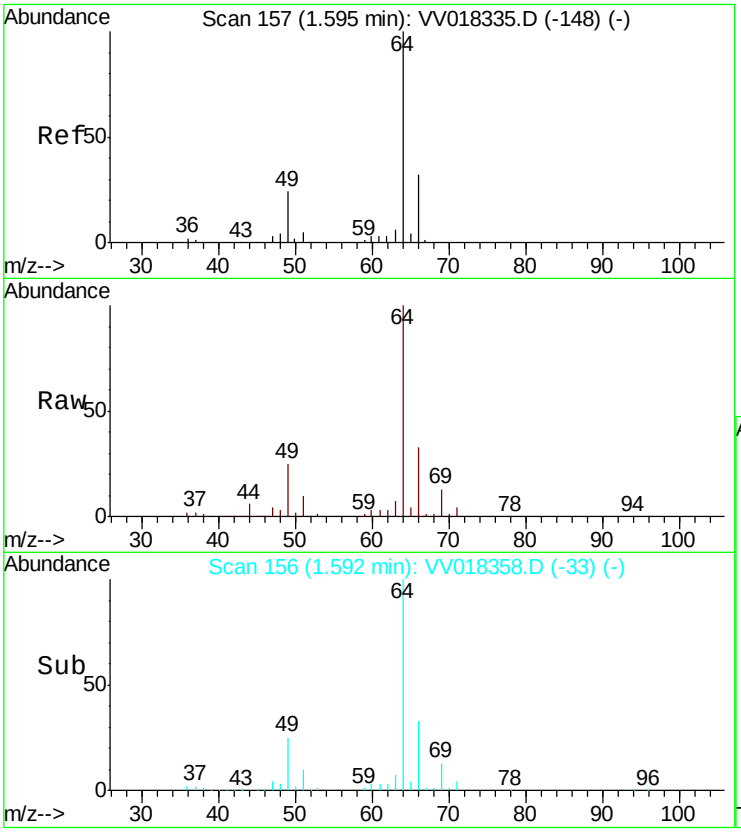




#6
Bromomethane
Concen: 47.540 ug/L
RT: 1.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 94 Resp: 68332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 65.1 | 120.9 |



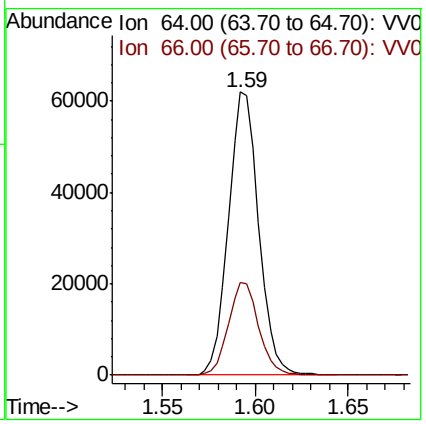


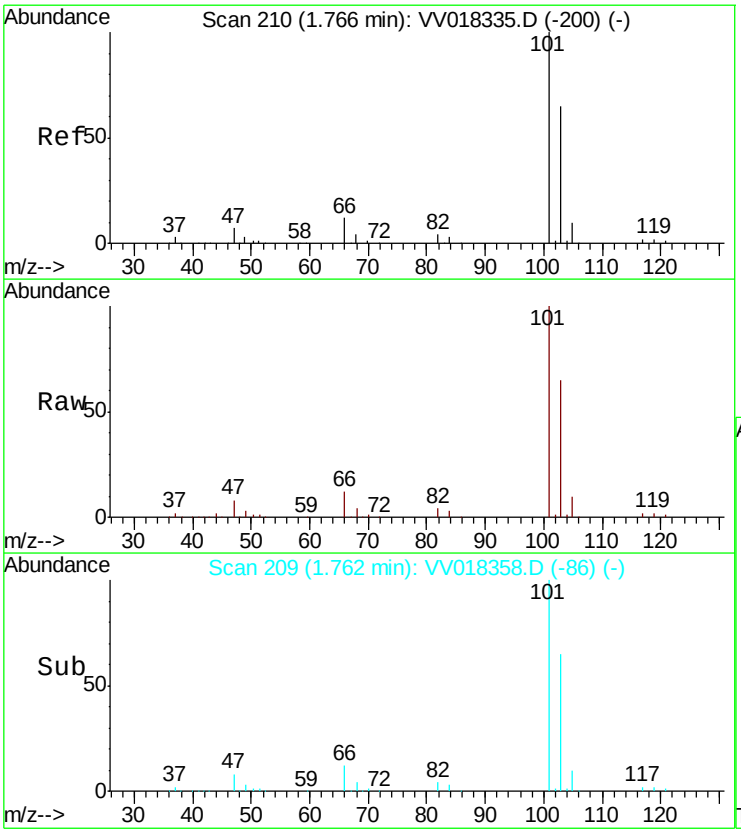

#8
Chloroethane
Concen: 47.678 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 64 Resp: 70236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.0 | 22.5 | 41.7 |

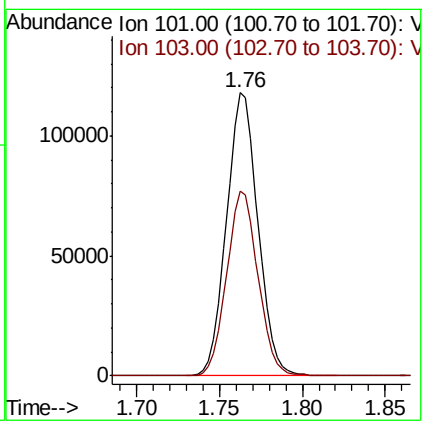


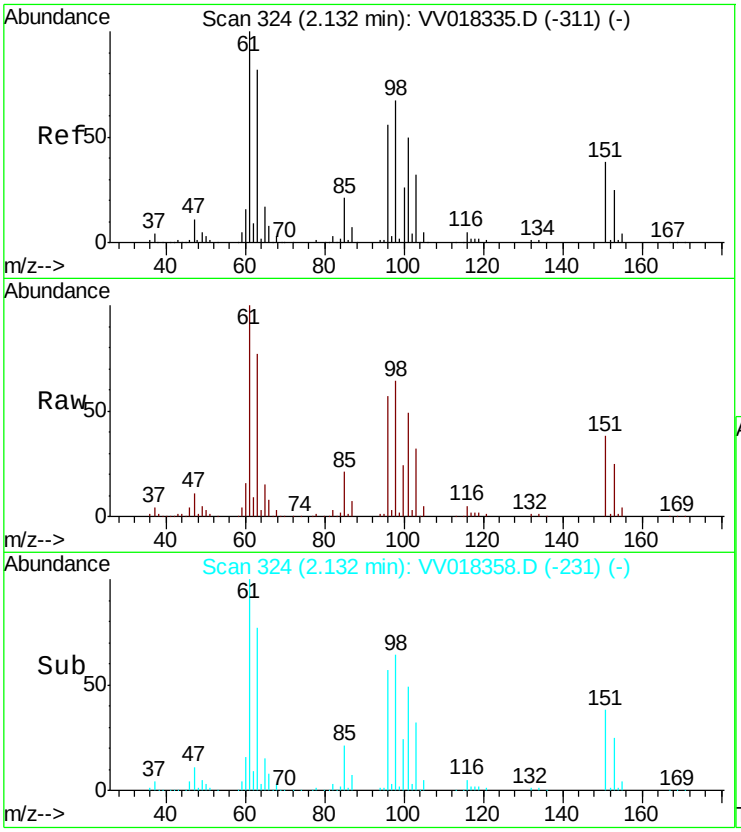




#9
Trichlorofluoromethane
Concen: 48.144 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:101 Resp: 155775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.0 | 51.8 | 77.6 |



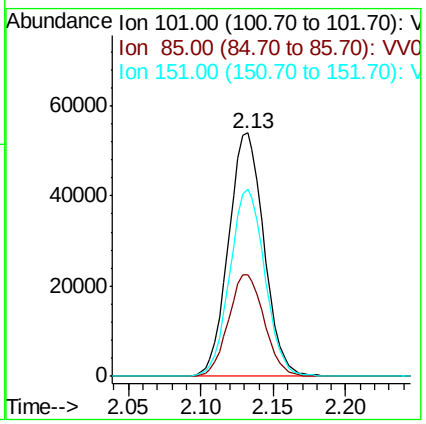


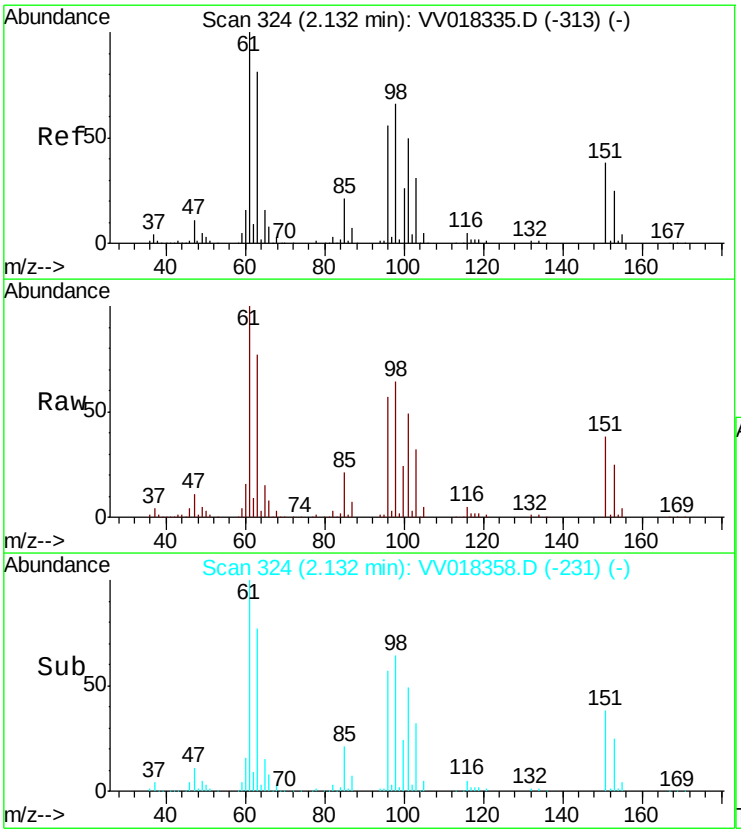

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.977 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:101 Resp: 91301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.2 | 33.5 | 50.3 |
| 151 | 76.2 | 62.2 | 93.2 |

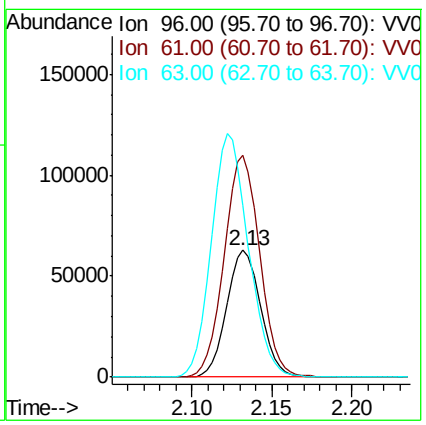


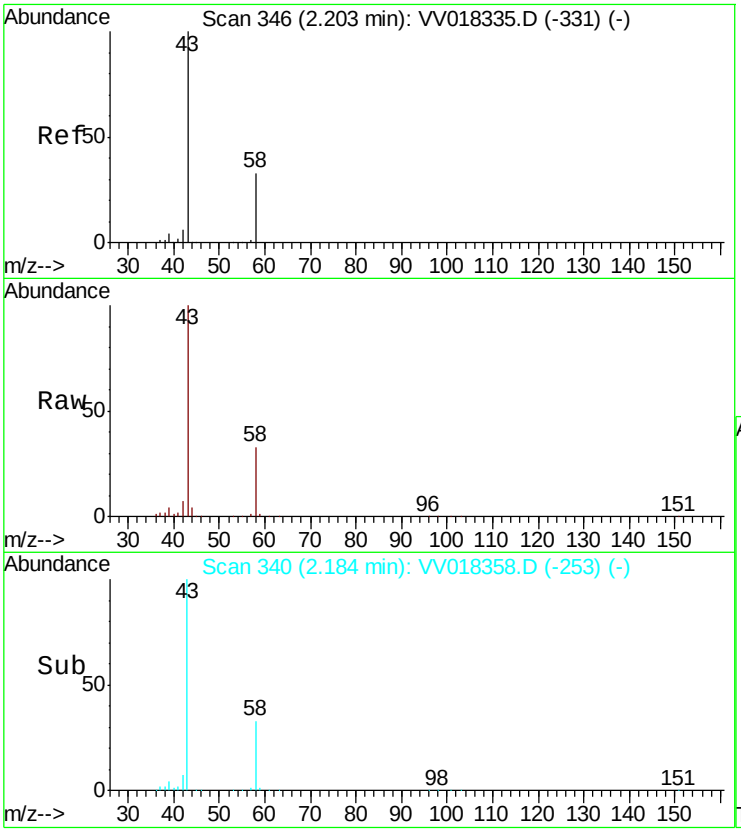




#12
1,1-Dichloroethene
Concen: 47.998 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 96 Resp: 90769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.1 | 122.9 | 228.3 |
| 63 | 135.3 | 91.9 | 170.7 |



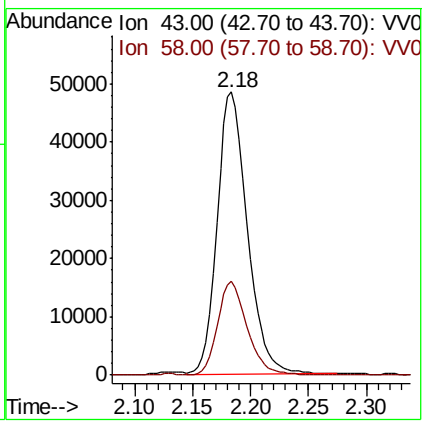


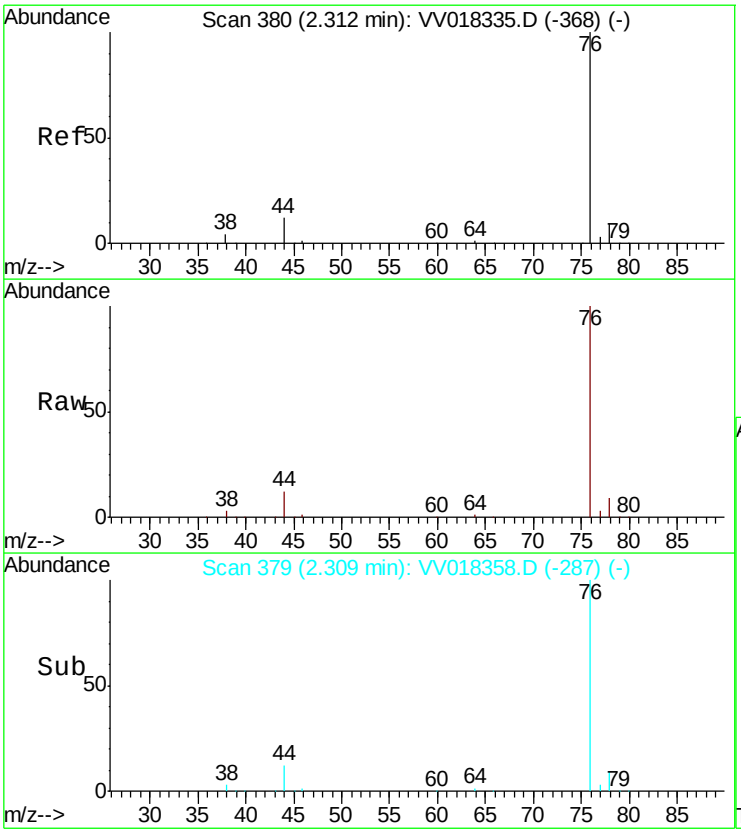

#13
Acetone
Concen: 76.375 ug/L
RT: 2.18 min Scan# 340
Delta R.T. -0.02 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 43 Resp: 87864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.7 | 0.0 | 67.4 |

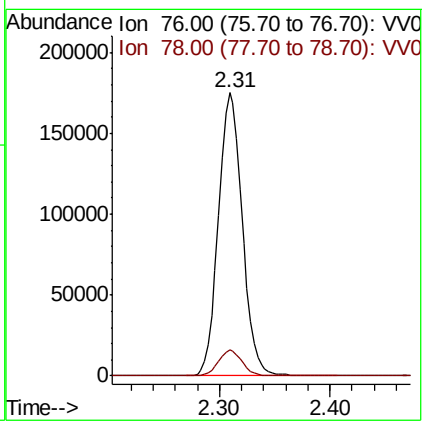


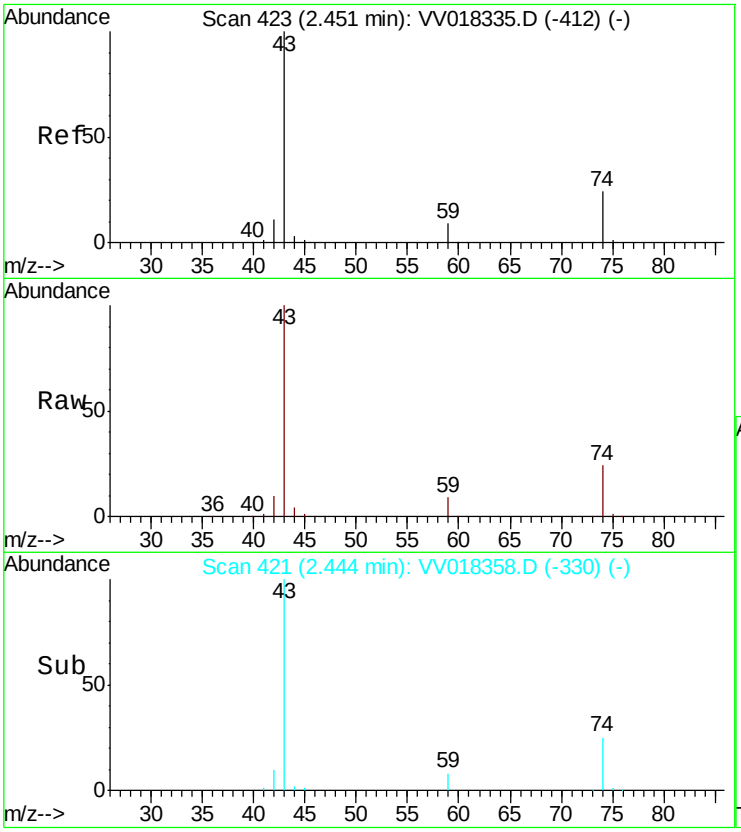




#14
Carbon disulfide
Concen: 45.498 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 76 Resp: 263280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.3 | 10.9 |



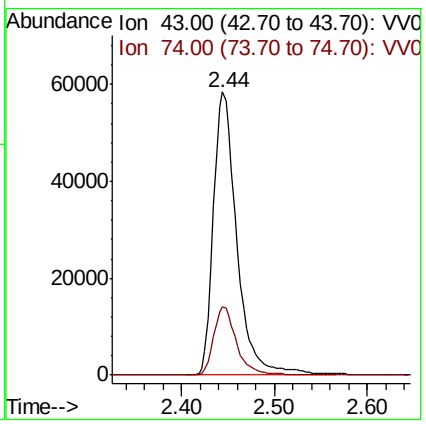


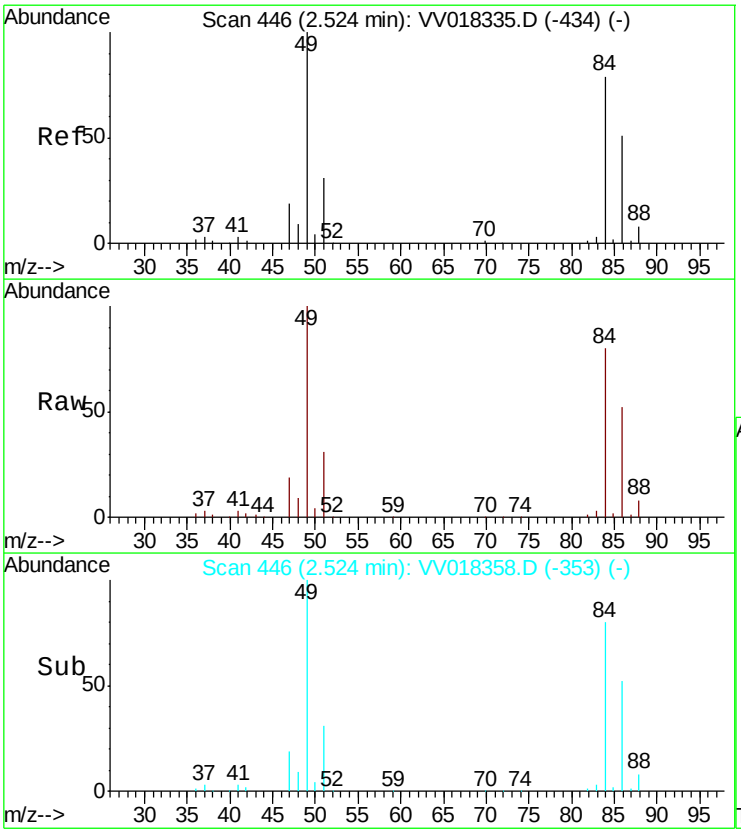

#15
Methyl Acetate
Concen: 49.789 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 43 Resp: 102937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 18.4 | 27.6 |

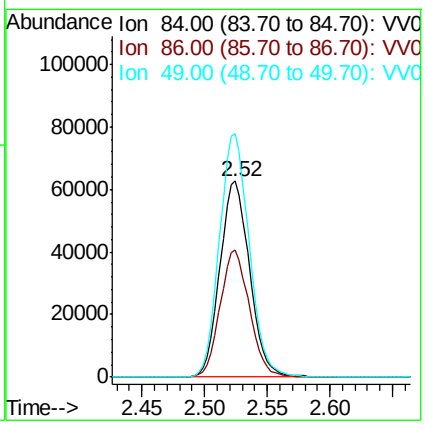


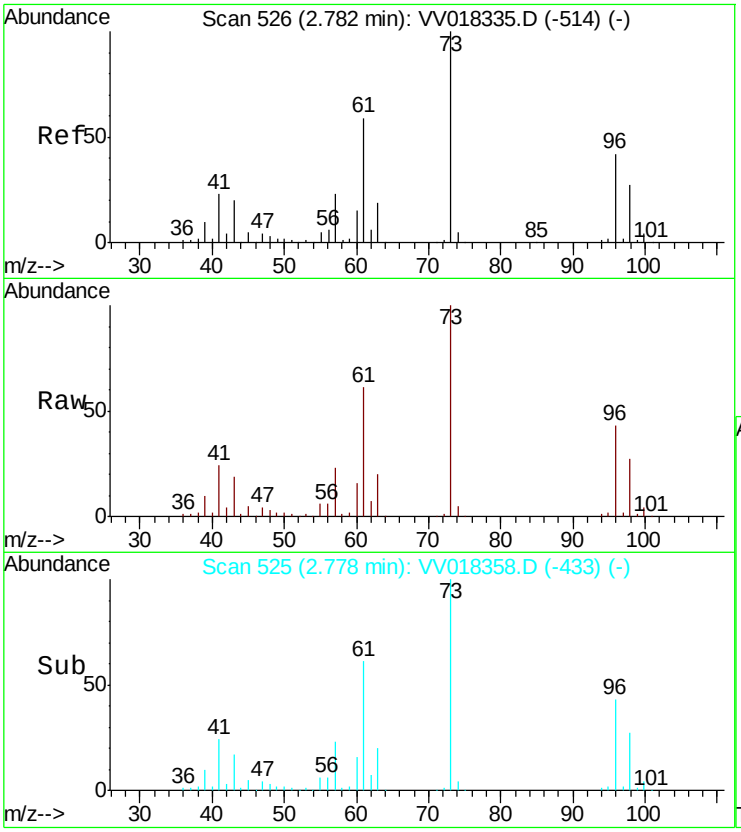




#16
Methylene chloride
Concen: 48.618 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 84 Resp: 103113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.7 | 44.4 | 82.4 |
| 49 | 124.4 | 87.2 | 162.0 |



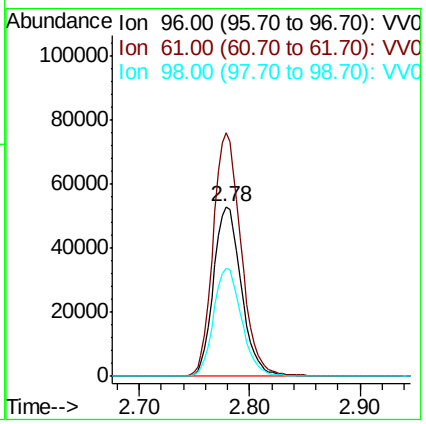


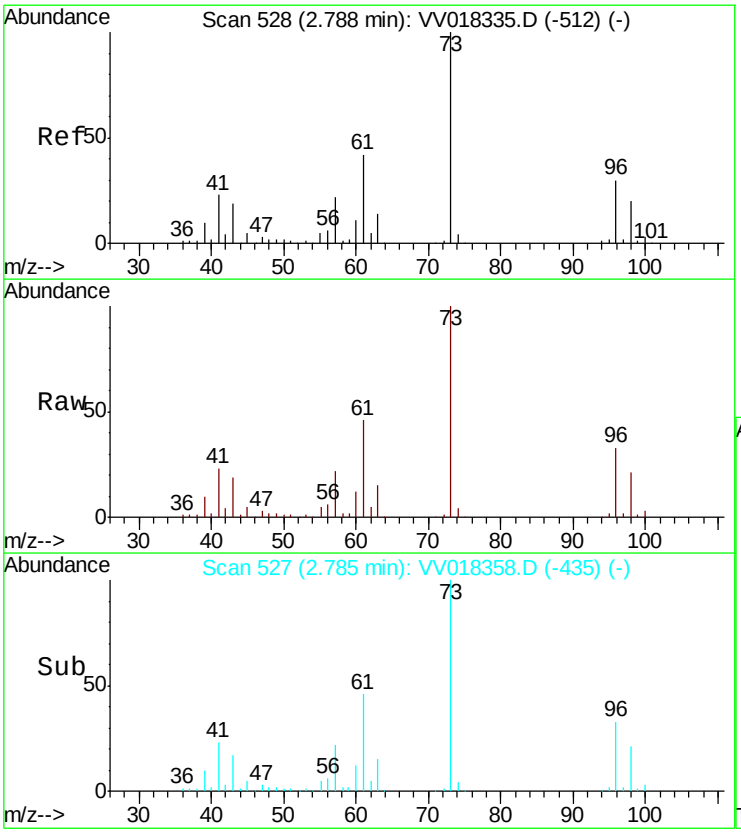

#17
trans-1,2-Dichloroethene
Concen: 47.554 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 96 Resp: 92679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.5 | 100.7 | 186.9 |
| 98 | 63.8 | 45.2 | 84.0 |

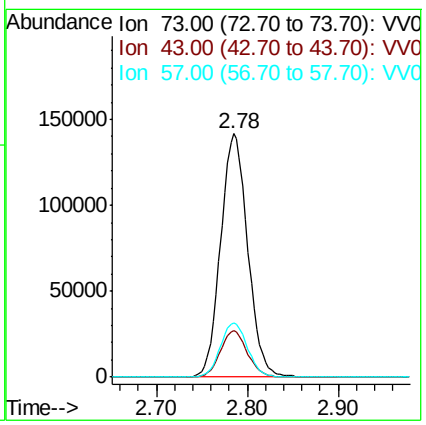


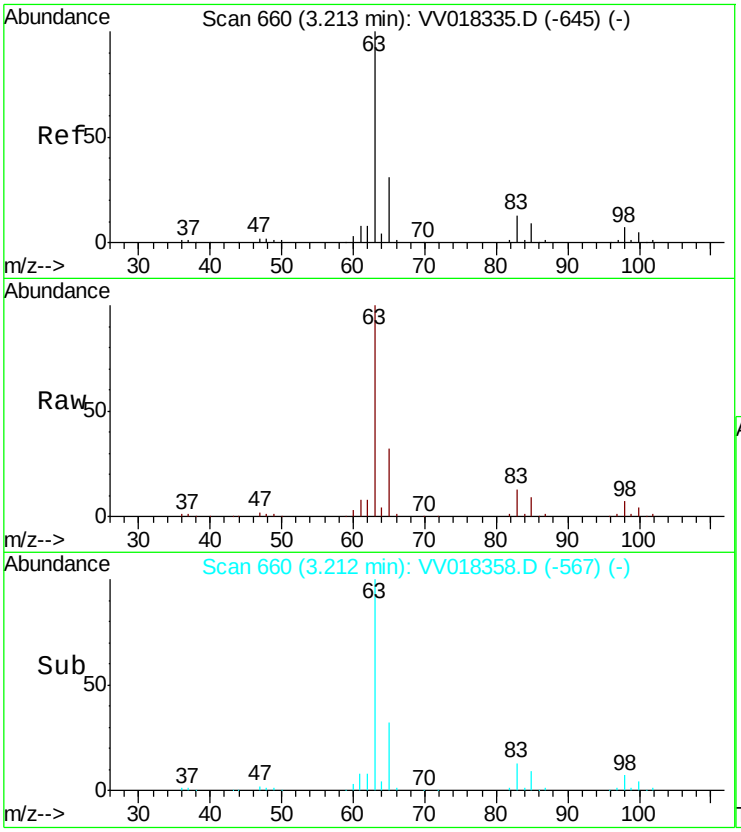




#18
Methyl tert-butyl Ether
Concen: 48.480 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 73 Resp: 292275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 19.2 | 15.4 | 23.0 |
| 57 | 22.4 | 18.0 | 27.0 |



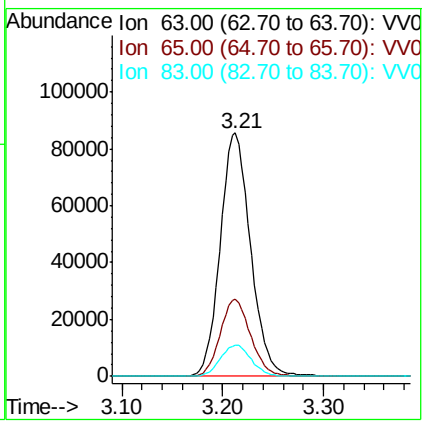


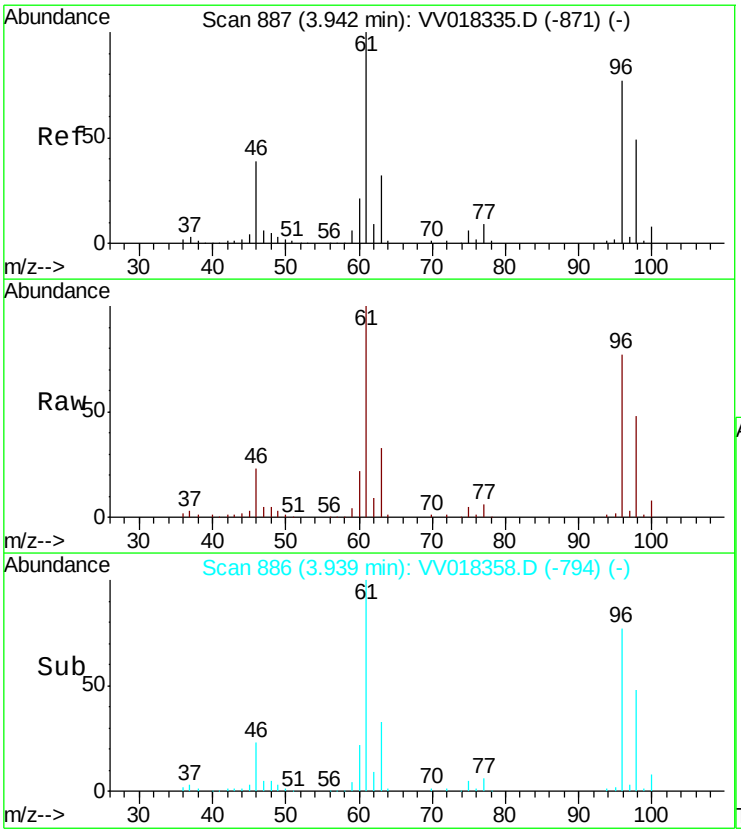

#19
1,1-Dichloroethane
Concen: 48.782 ug/L
RT: 3.21 min Scan# 660
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 63 Resp: 179753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 22.5 | 41.7 |
| 83 | 13.0 | 9.3 | 17.3 |

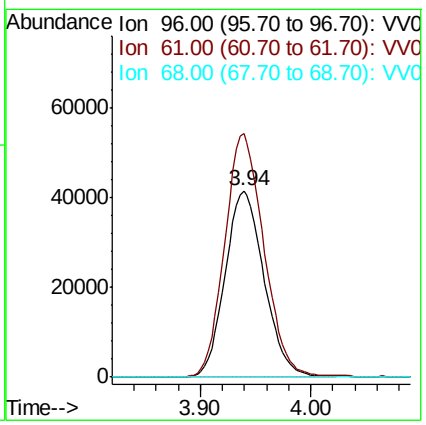


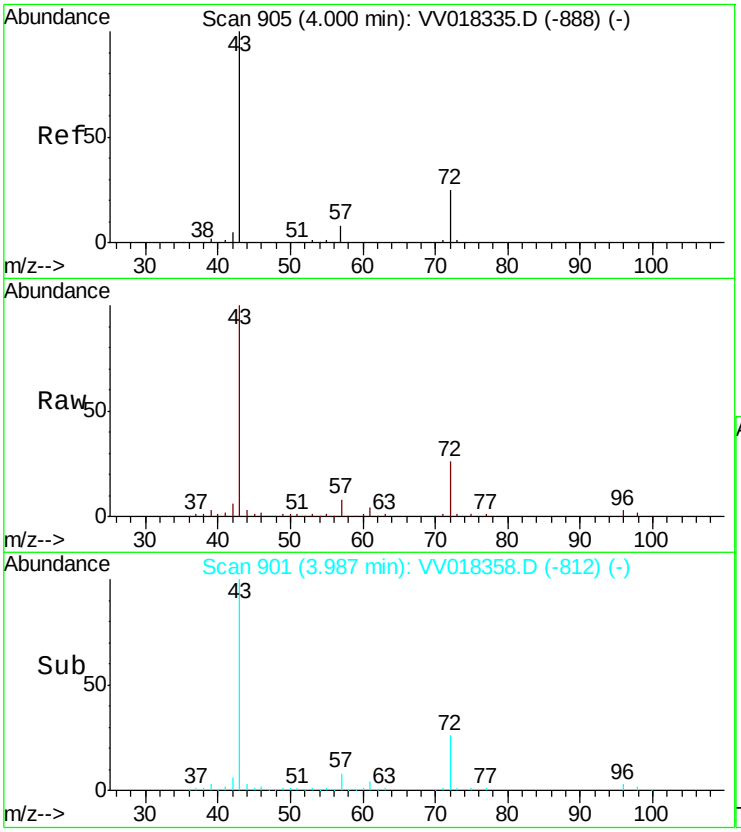




#20
cis-1,2-Dichloroethene
Concen: 48.846 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 96 Resp: 101764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.7 | 93.6 | 173.8 |
| 68 | 0.0 | 0.0 | 0.0 |



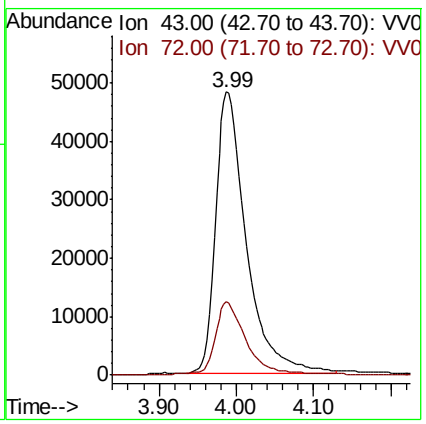


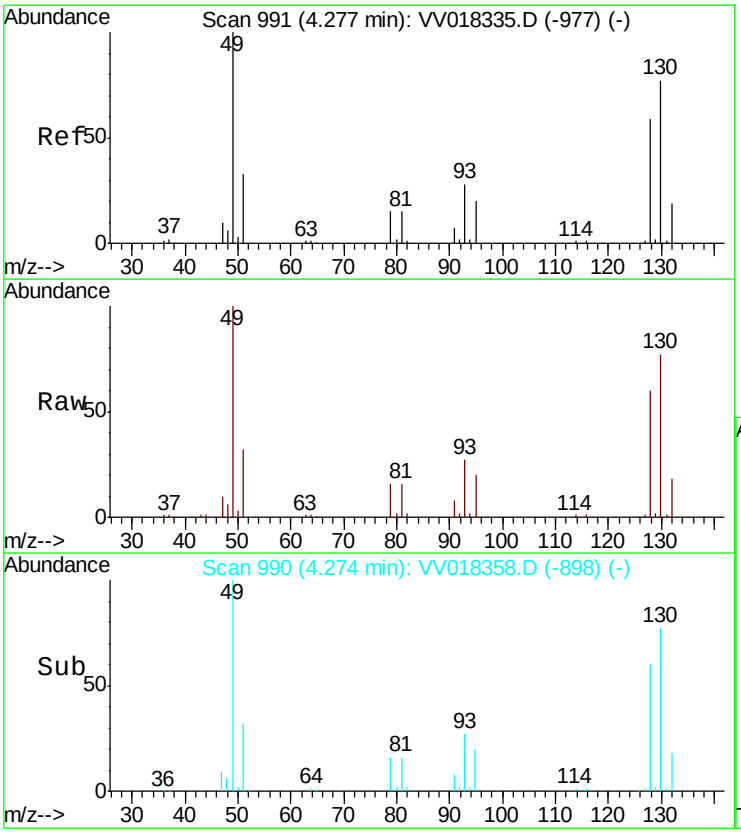

#22
2-Butanone
Concen: 97.240 ug/L
RT: 3.99 min Scan# 901
Delta R.T. -0.01 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 43 Resp: 132467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.1 | 13.1 | 39.3 |

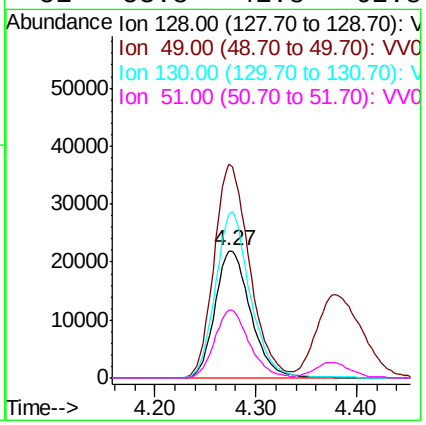


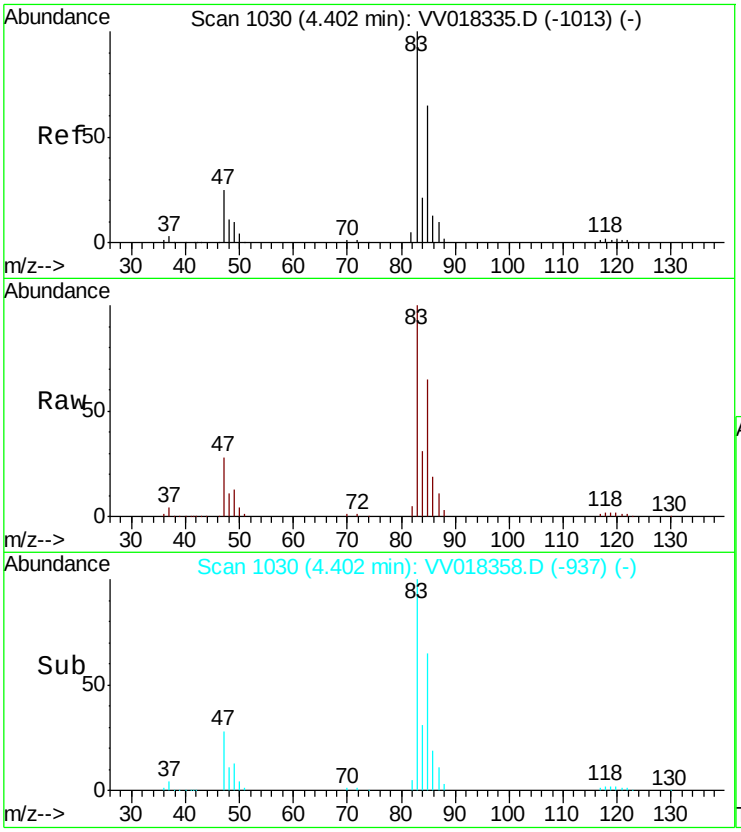




#23
Bromochloromethane
Concen: 49.610 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:128 Resp: 54076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 167.9 | 114.4 | 212.6 |
| 130 | 128.5 | 87.9 | 163.3 |
| 51 | 53.8 | 41.8 | 62.8 |



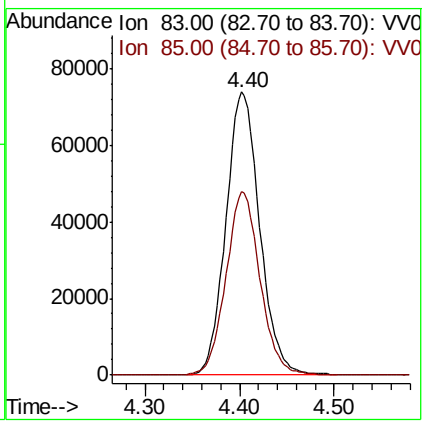


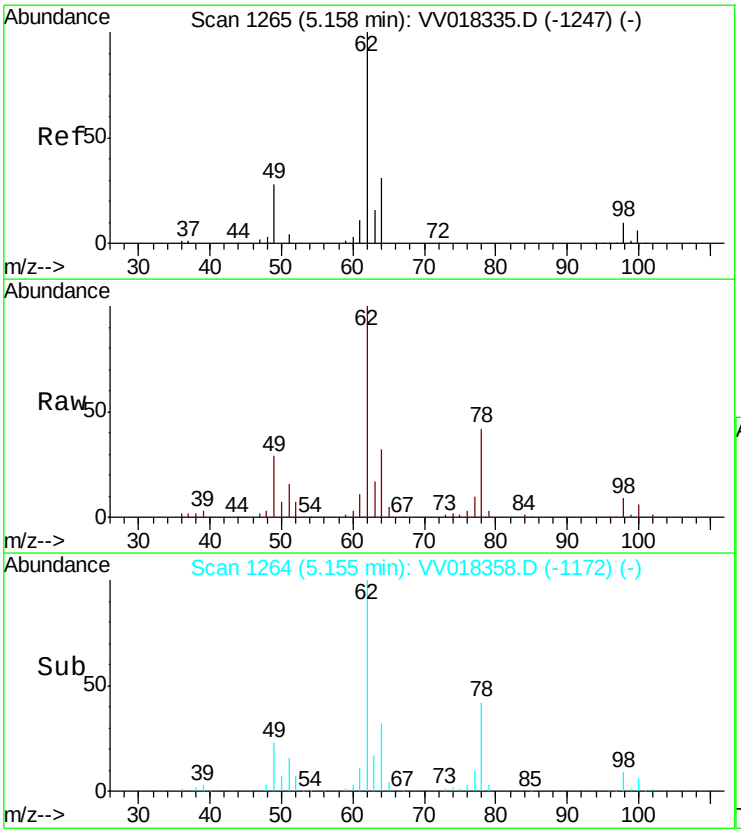

#25
Chloroform
Concen: 49.022 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 83 Resp: 183619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 45.0 | 83.6 |

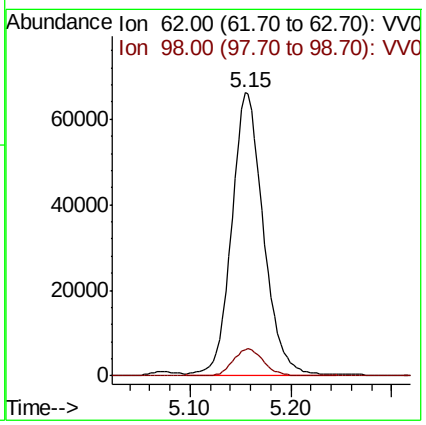


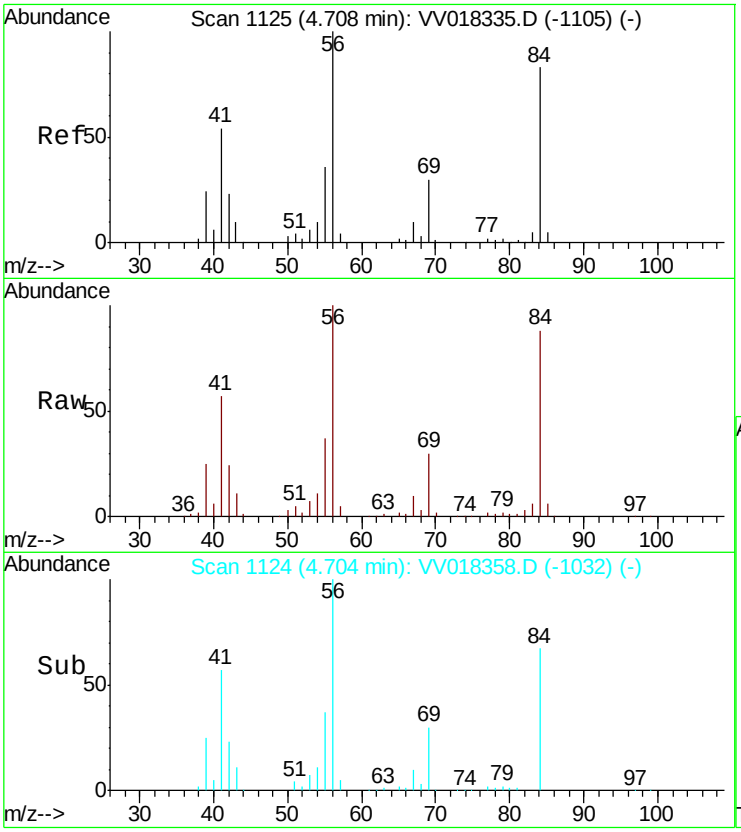




#27
1,2-Dichloroethane
Concen: 49.693 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 62 Resp: 144094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 7.6 | 11.4 |



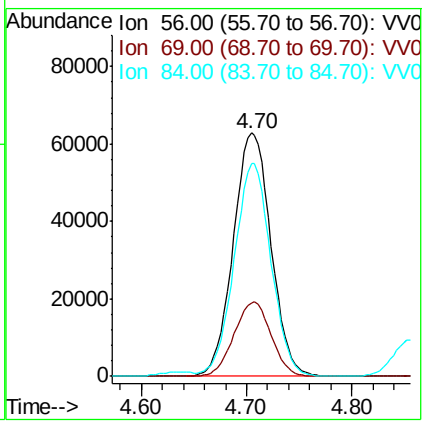


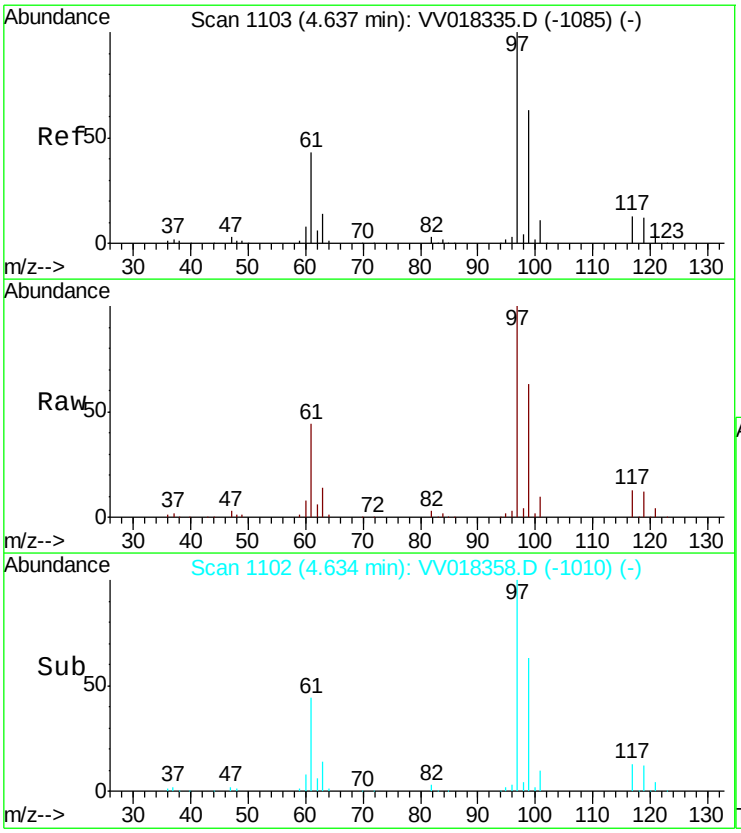

#29
Cyclohexane
Concen: 47.612 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 56 Resp: 155926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.2 | 24.2 | 36.2 |
| 84 | 85.3 | 68.3 | 102.5 |

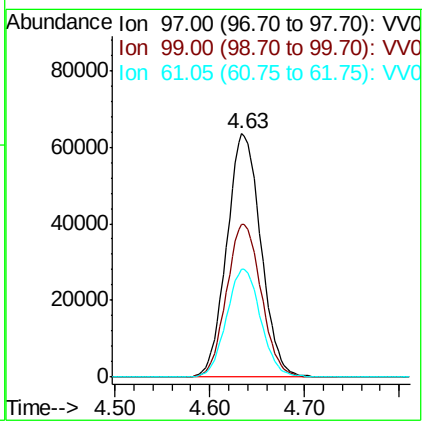


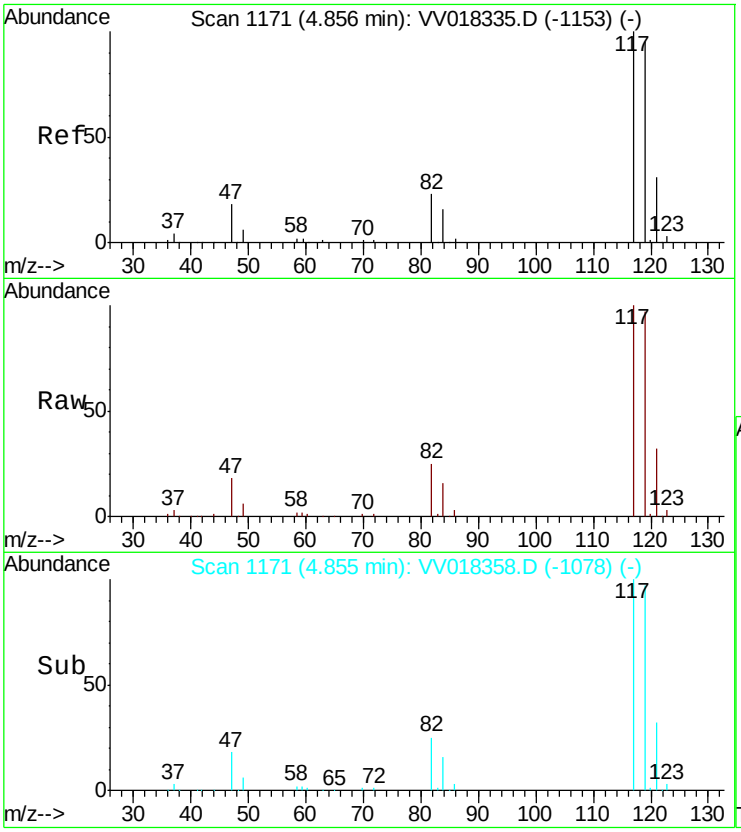




#30
1,1,1-Trichloroethane
Concen: 48.407 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 97 Resp: 159328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.6 | 77.4 |
| 61 | 44.6 | 34.9 | 52.3 |



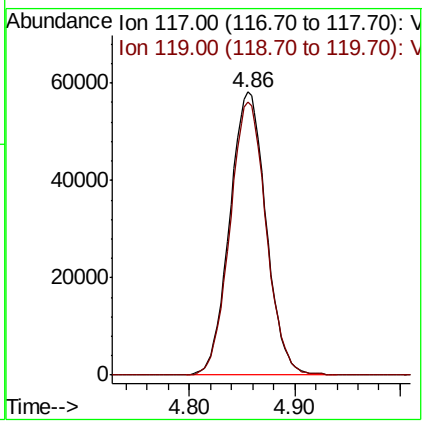


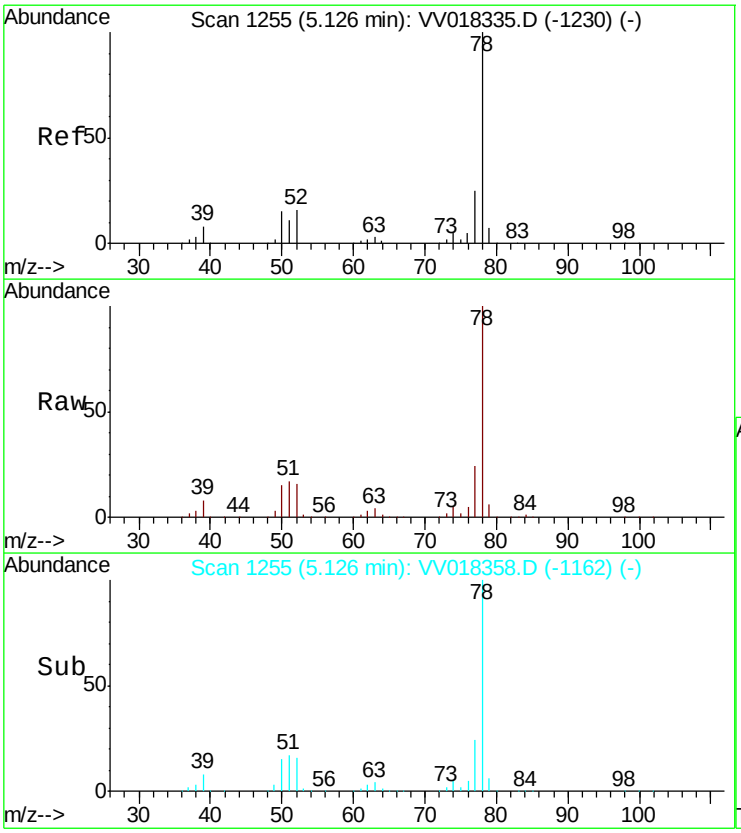

#31
Carbon tetrachloride
Concen: 47.933 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:117 Resp: 138726

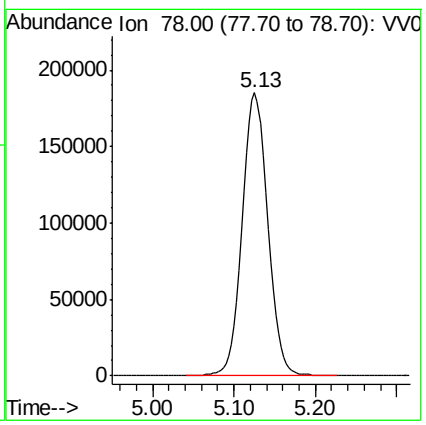
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.5 | 75.7 | 113.5 |

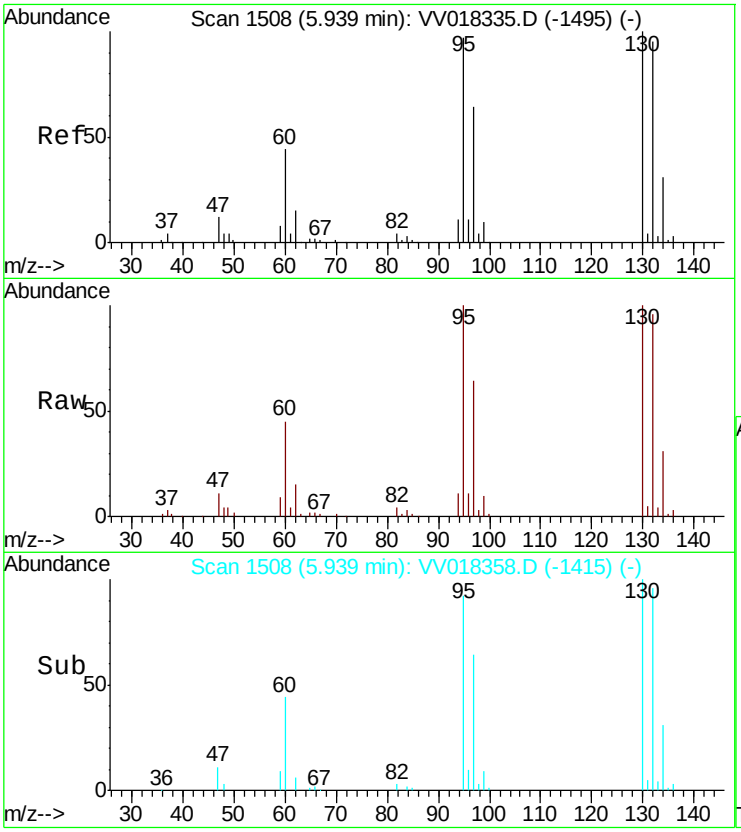



#33
Benzene
Concen: 49.211 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 78 Resp: 399038



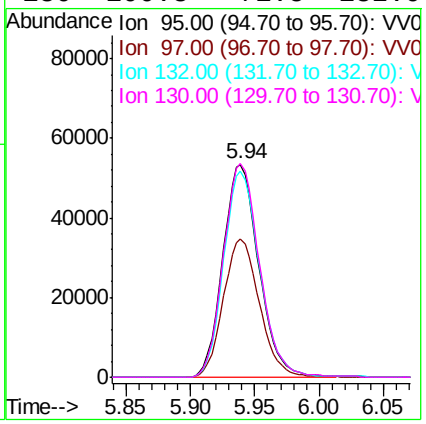


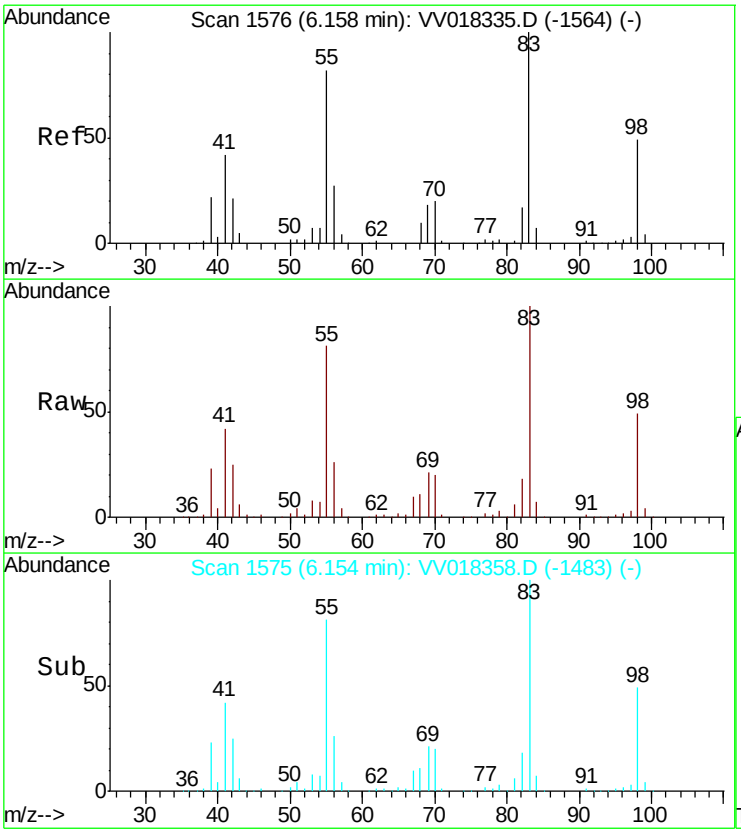

#34
Trichloroethene
Concen: 46.941 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 95 Resp: 103688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.7 | 46.3 | 85.9 |
| 132 | 96.5 | 68.1 | 126.5 |
| 130 | 100.3 | 71.5 | 132.9 |

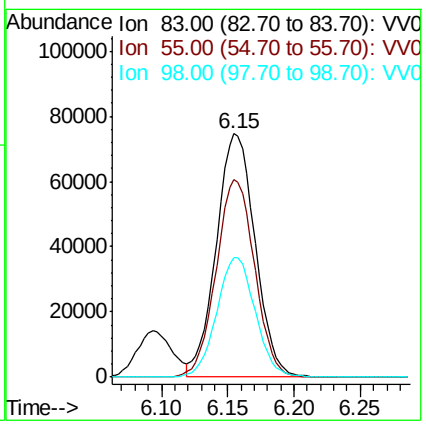


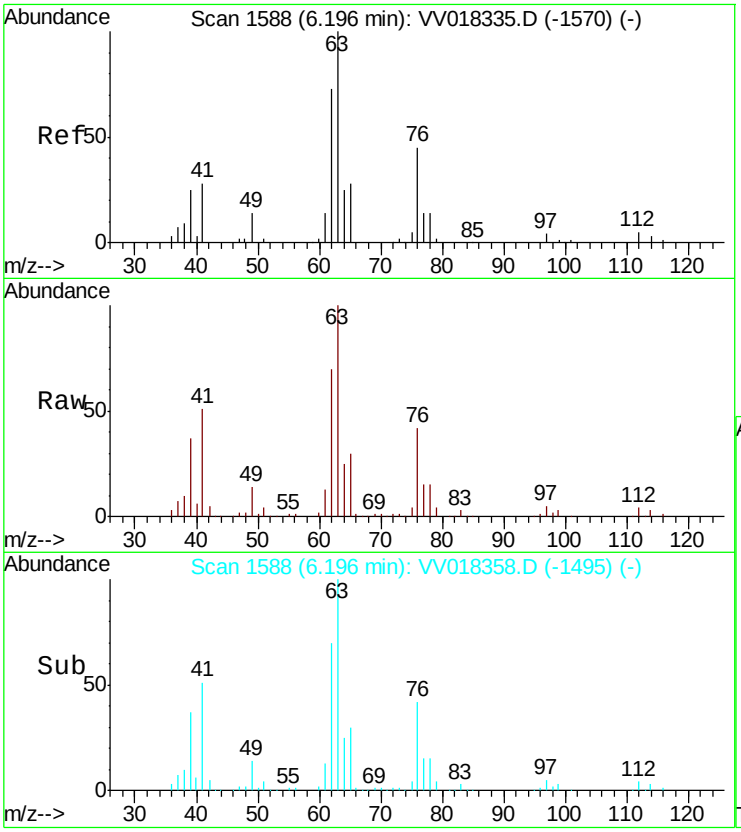




#35
Methylcyclohexane
Concen: 45.609 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 83 Resp: 151691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.4 | 63.4 | 95.2 |
| 98 | 48.9 | 38.8 | 58.2 |



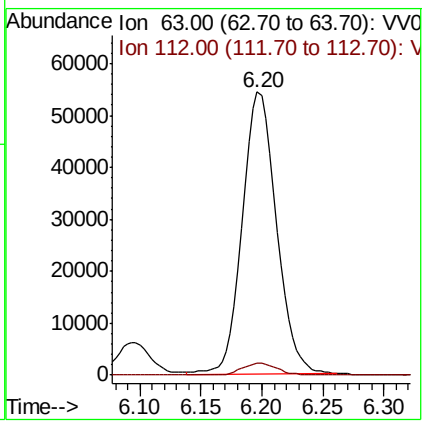


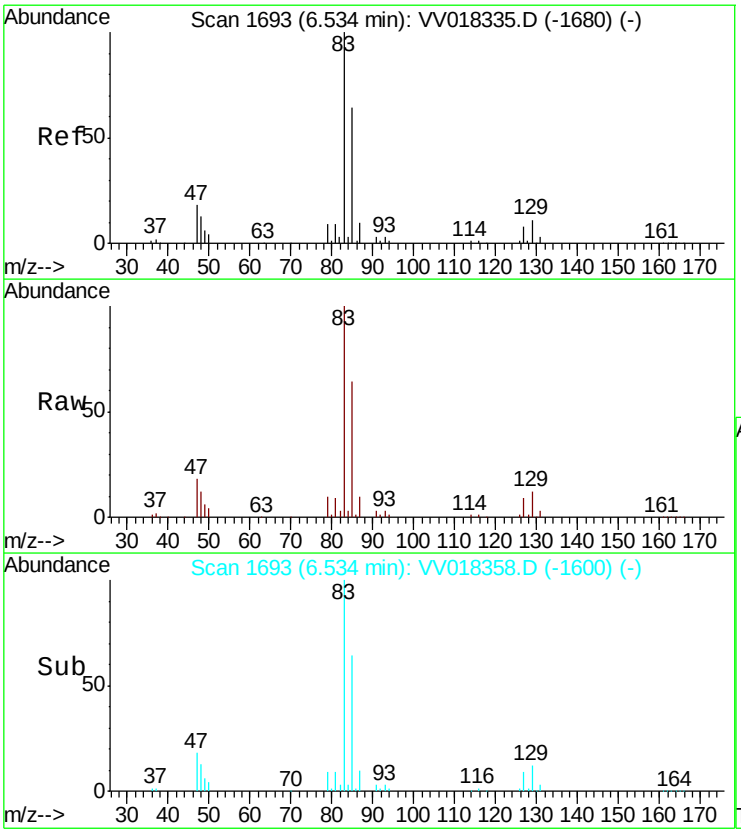

#37
1,2-Dichloropropane
Concen: 48.718 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 63 Resp: 104682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.4 | 3.4 | 5.2 |

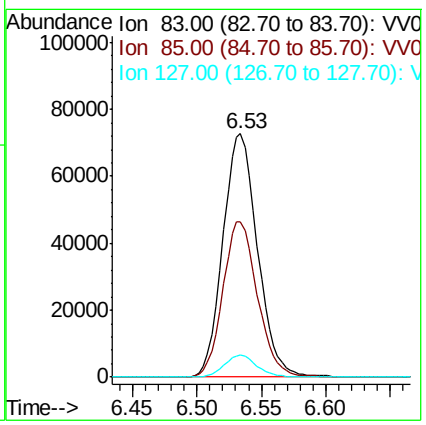


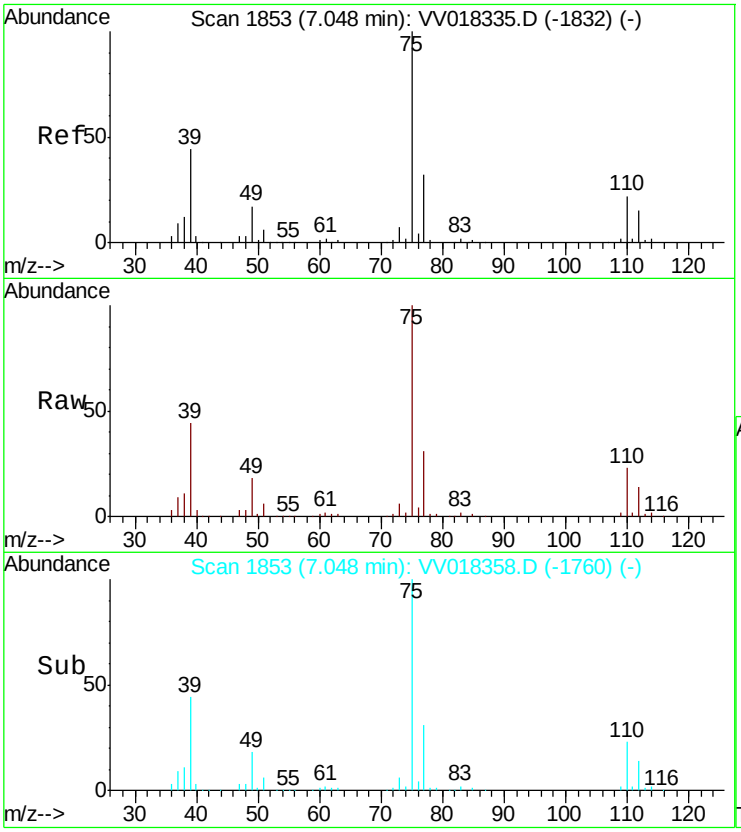




#38
Bromodichloromethane
Concen: 48.425 ug/L
RT: 6.53 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 83 Resp: 135407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 44.7 | 82.9 |
| 127 | 9.1 | 6.7 | 10.1 |



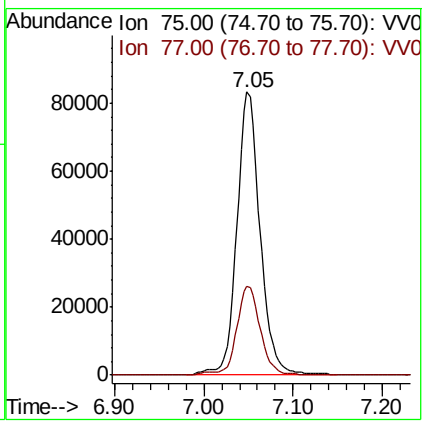


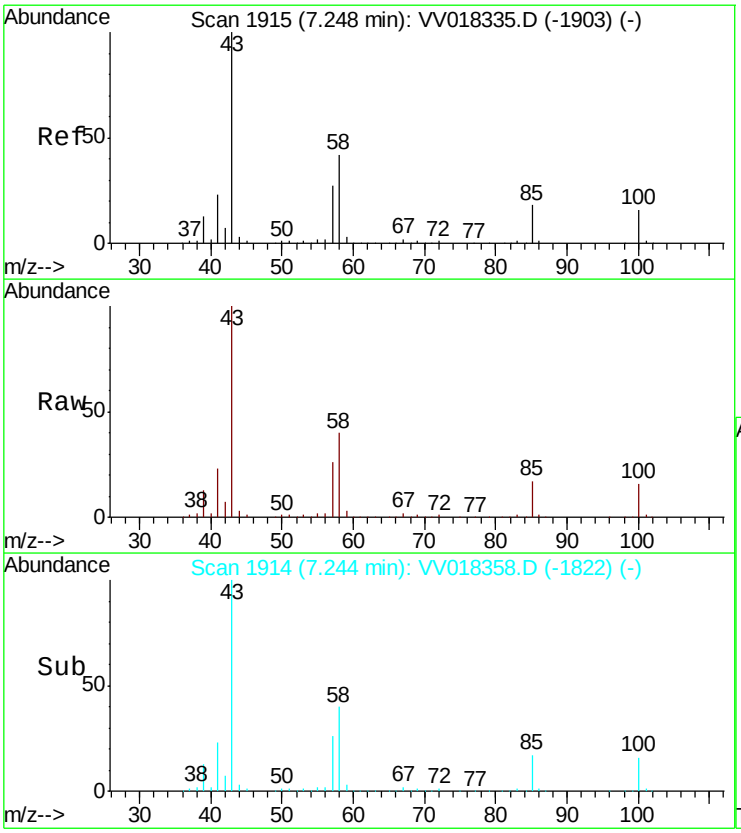

#39
cis-1,3-Dichloropropene
Concen: 45.401 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 75 Resp: 150309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 22.3 | 41.3 |

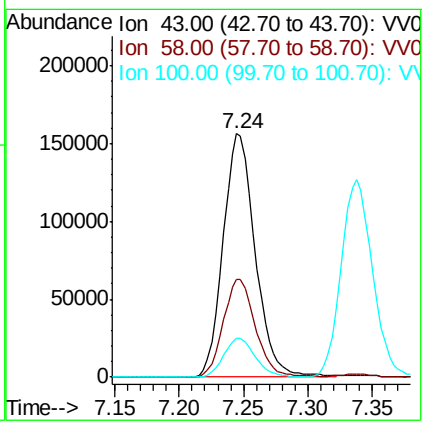


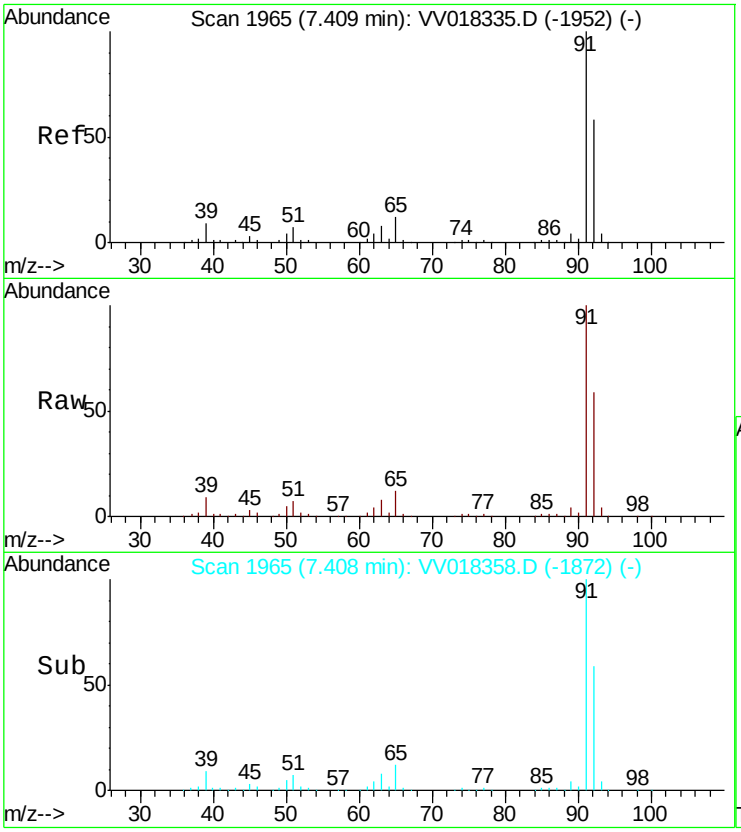




#40
4-Methyl-2-pentanone
Concen: 103.505 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 43 Resp: 269811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.0 | 32.4 | 48.6 |
| 100 | 15.8 | 12.7 | 19.1 |



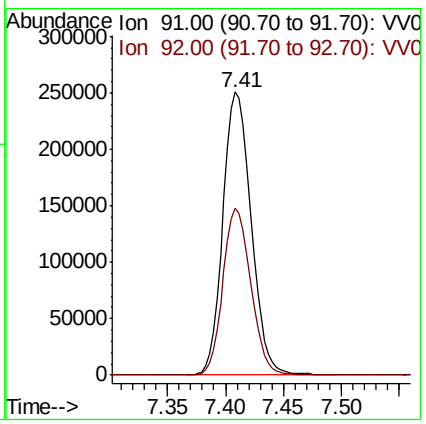


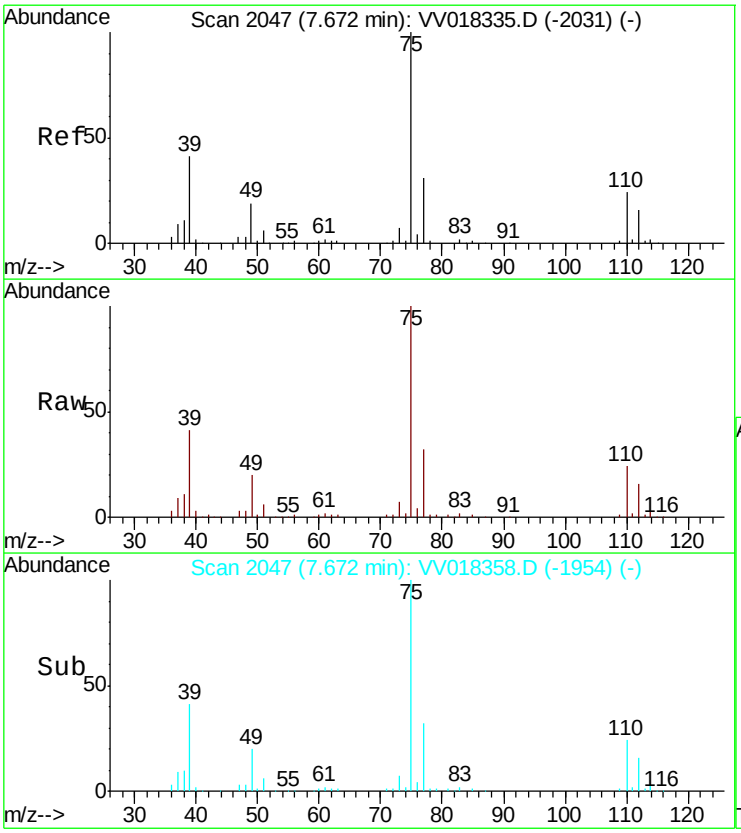

#42
Toluene
Concen: 49.604 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 91 Resp: 425663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.8 | 40.7 | 75.5 |

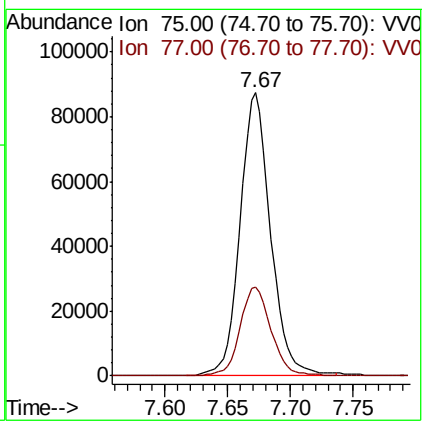


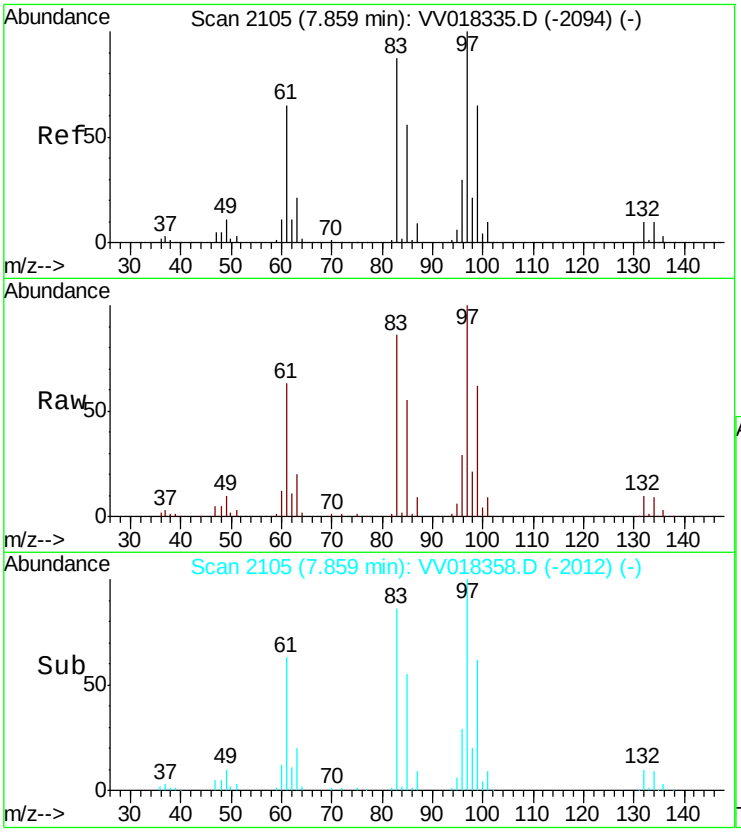




#44
trans-1,3-Dichloropropene
Concen: 45.930 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 75 Resp: 148053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 22.3 | 41.5 |



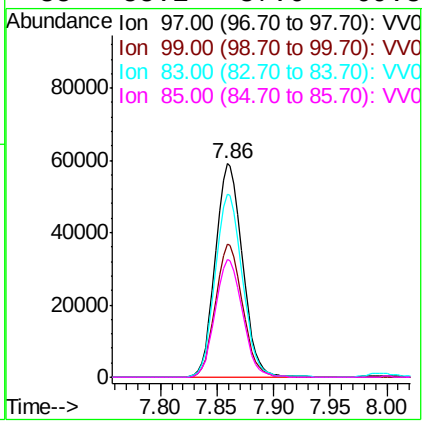


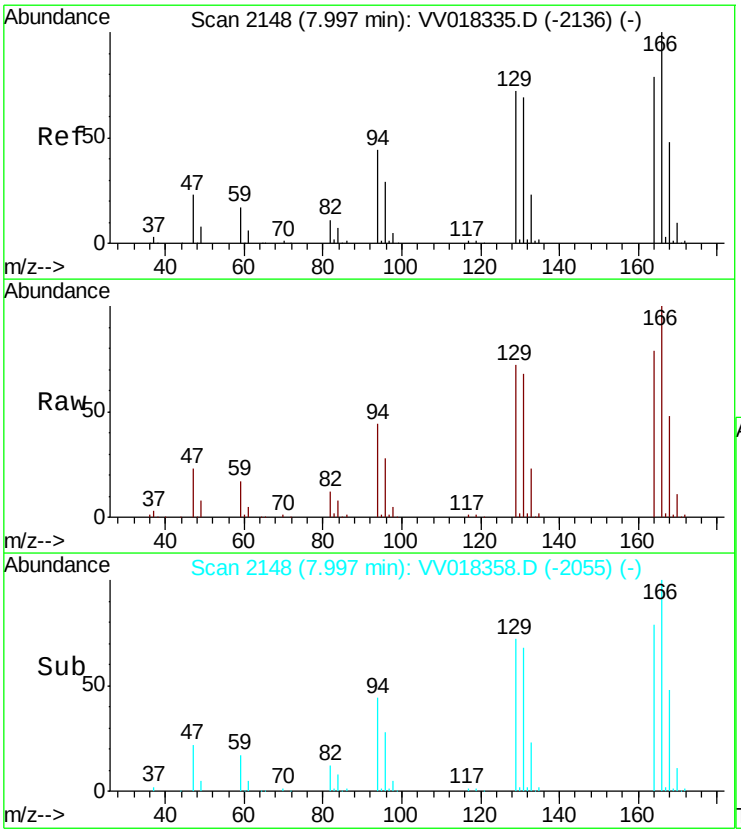

#45
1,1,2-Trichloroethane
Concen: 49.934 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 97 Resp: 99448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.1 | 43.7 | 81.1 |
| 83 | 86.0 | 59.9 | 111.3 |
| 85 | 55.1 | 37.6 | 69.8 |

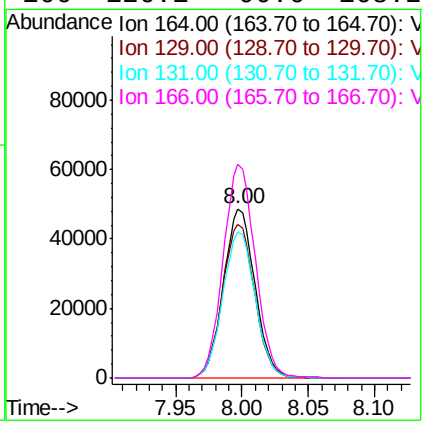


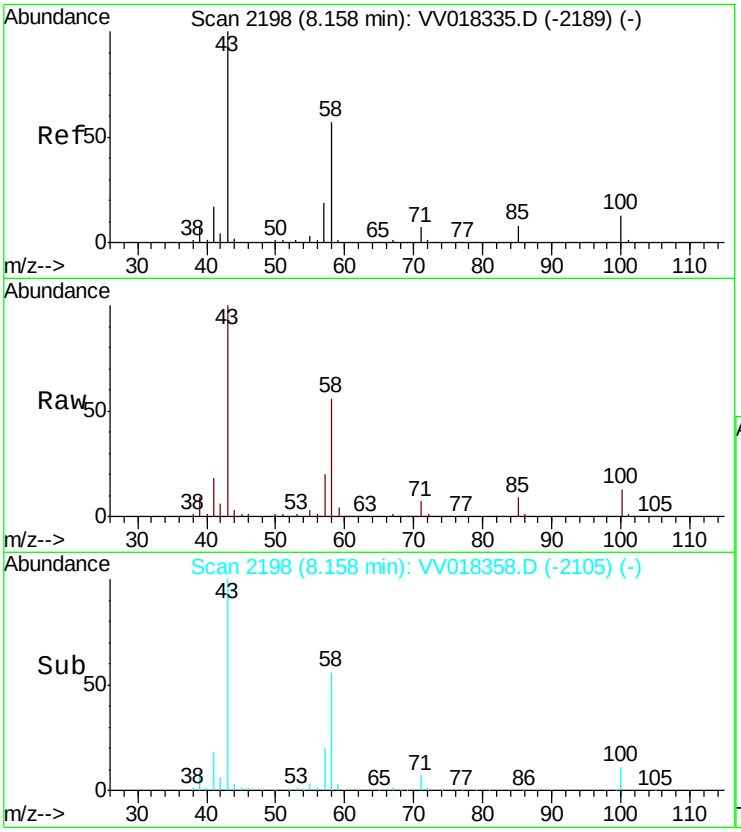




#46
Tetrachloroethene
Concen: 46.670 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:164 Resp: 80830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.9 | 64.5 | 119.7 |
| 131 | 86.4 | 61.8 | 114.8 |
| 166 | 126.1 | 90.6 | 168.2 |



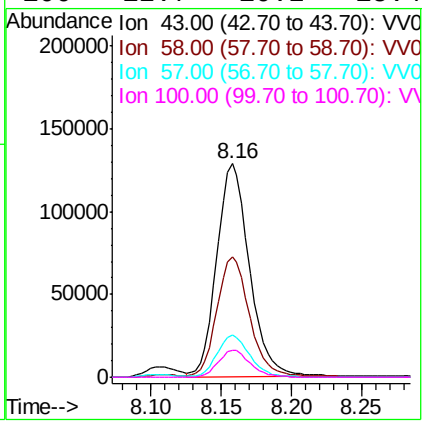


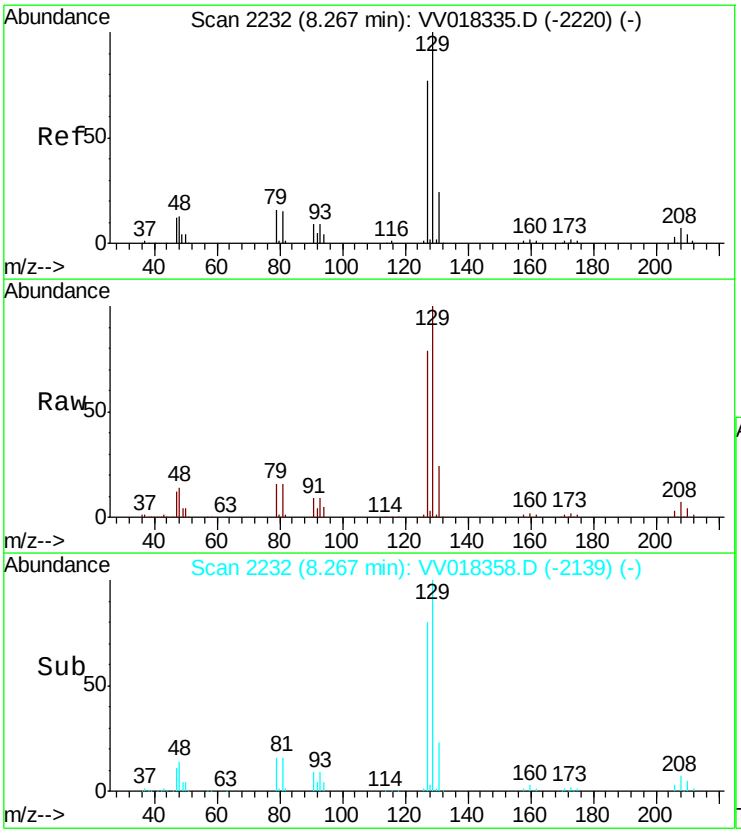

#48
2-Hexanone
Concen: 100.487 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 43 Resp: 206512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.7 | 44.8 | 67.2 |
| 57 | 19.4 | 15.8 | 23.6 |
| 100 | 12.7 | 10.2 | 15.4 |

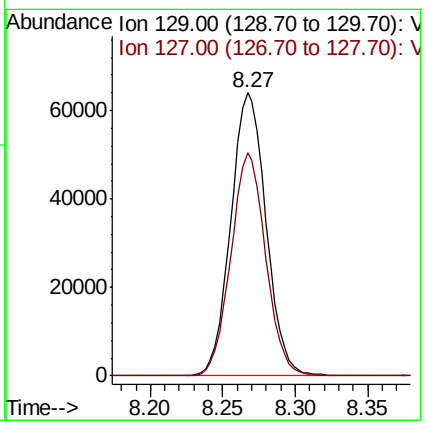


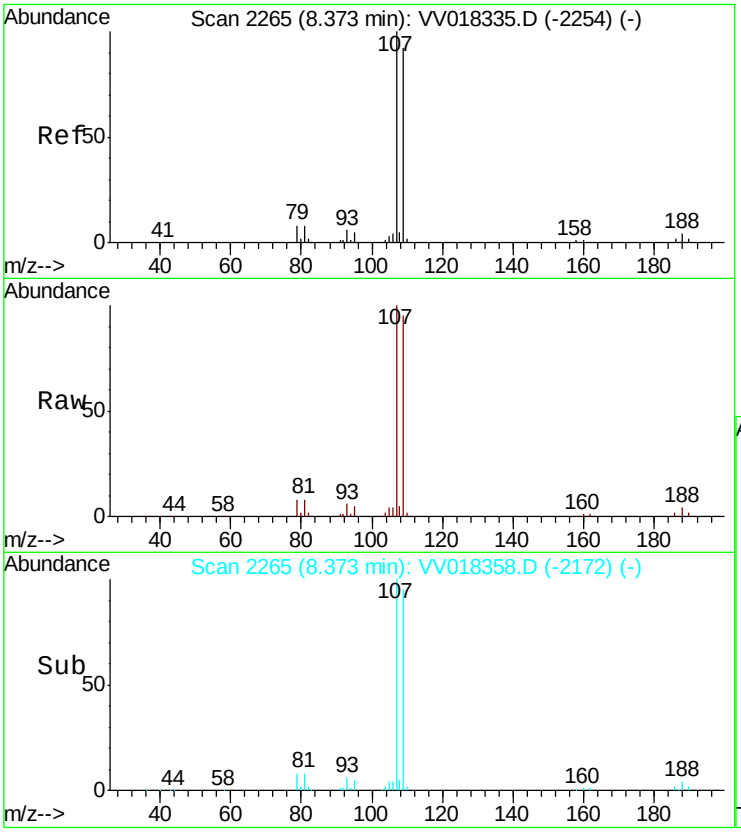




#49
Dibromochloromethane
Concen: 48.346 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:129 Resp: 108079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.6 | 54.5 | 101.1 |



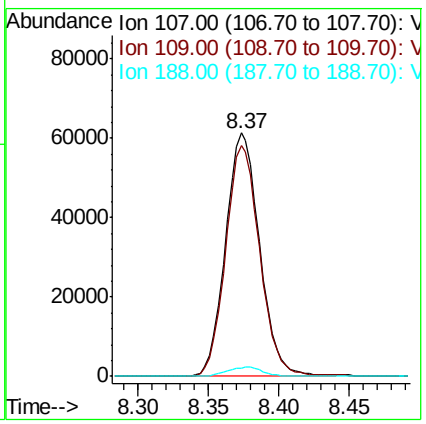


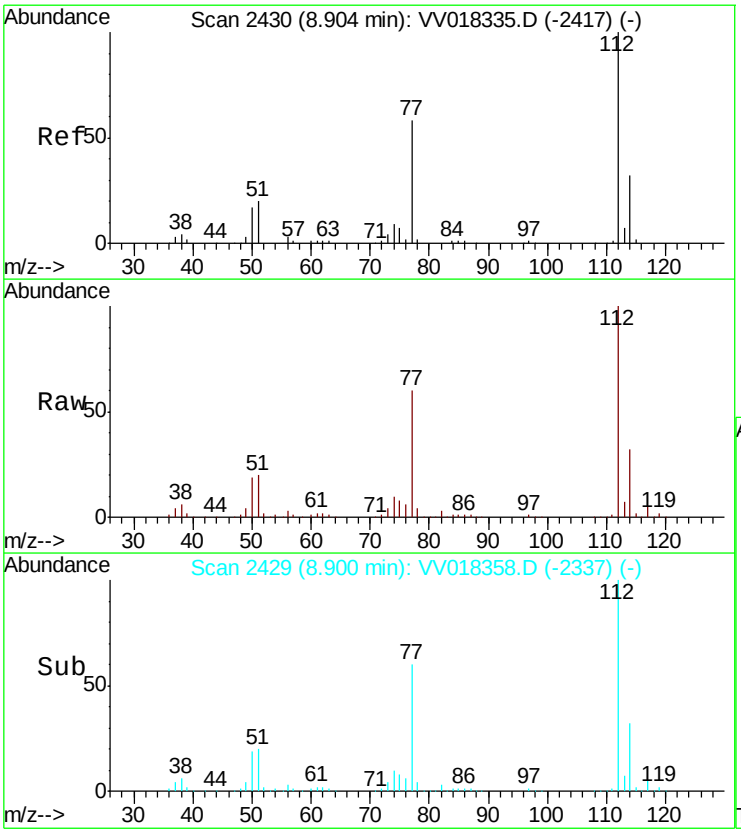

#50
1,2-Dibromoethane
Concen: 49.430 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:107 Resp: 103608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.0 | 66.1 | 122.8 |
| 188 | 3.5 | 3.2 | 4.8 |

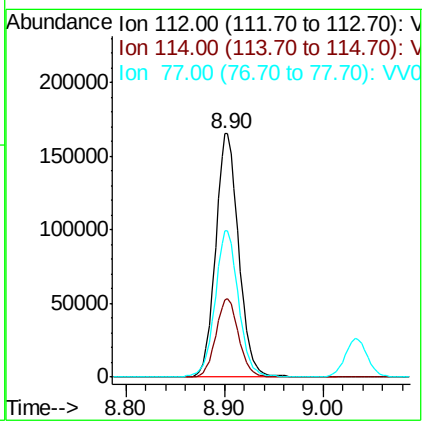


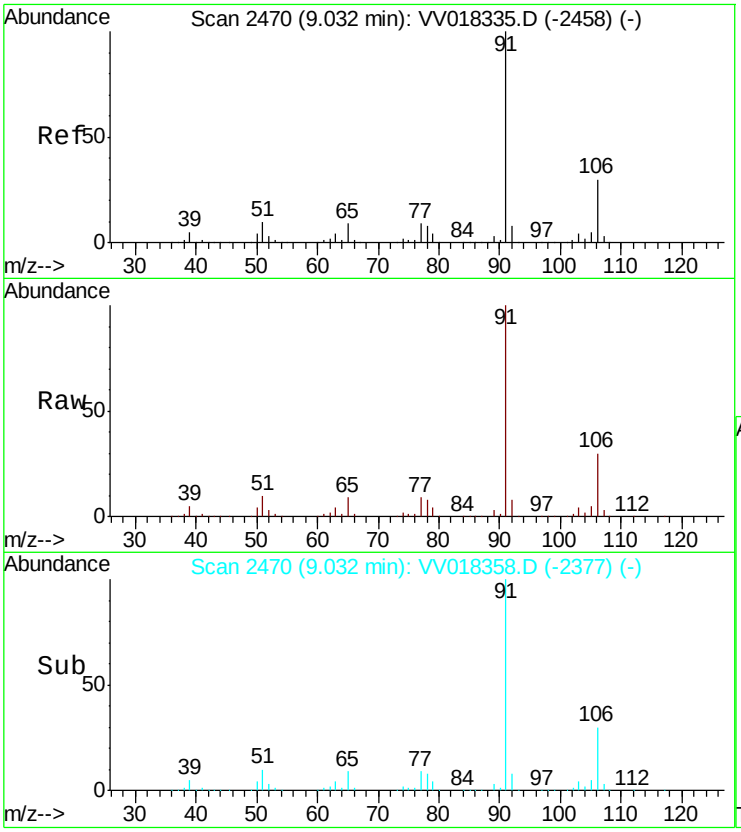




#51
Chlorobenzene
Concen: 48.751 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:112 Resp: 271685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 22.6 | 42.0 |
| 77 | 60.3 | 48.0 | 72.0 |



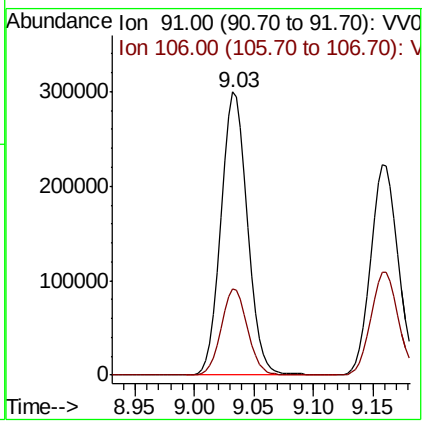


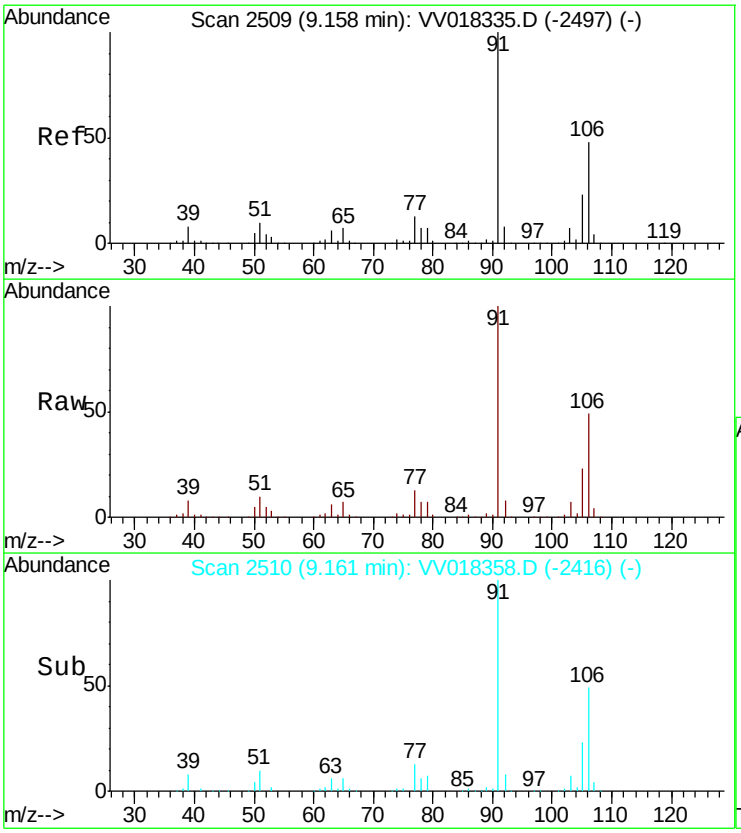

#52
Ethylbenzene
Concen: 49.361 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 91 Resp: 462446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 21.3 | 39.5 |

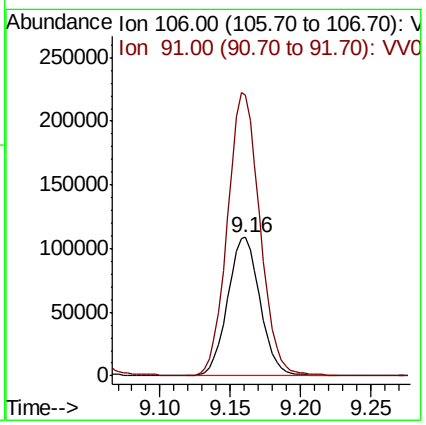


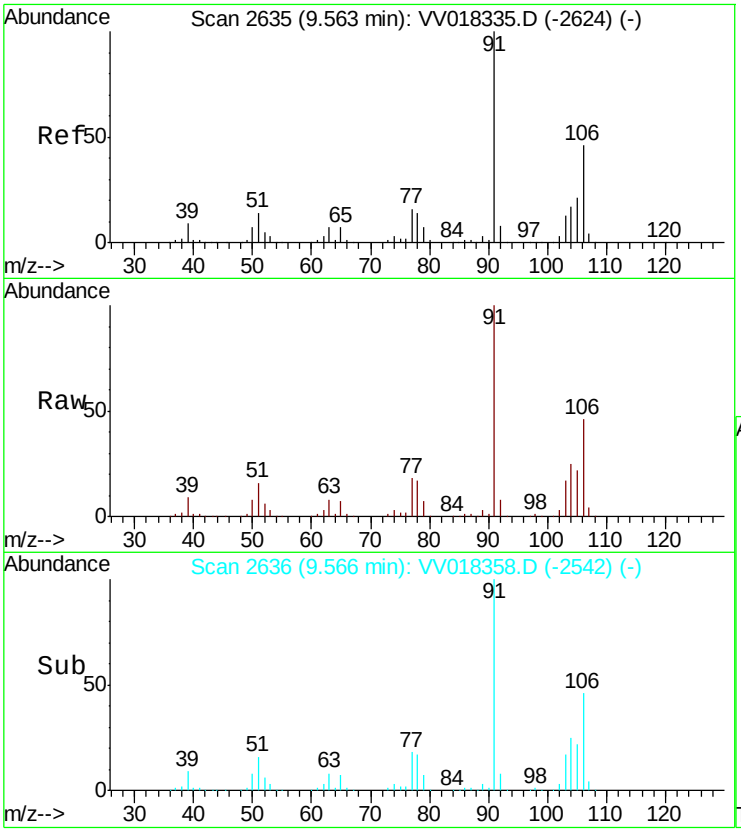




#53
m,p-Xylene
Concen: 50.015 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:106 Resp: 174895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.2 | 146.7 | 272.5 |



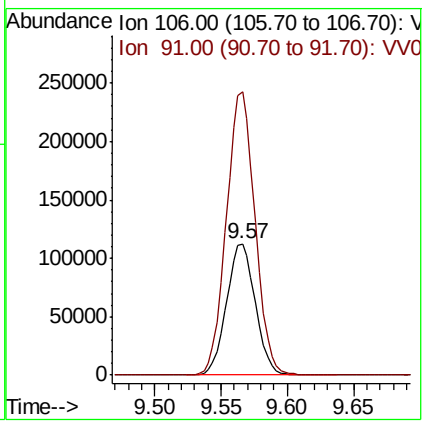


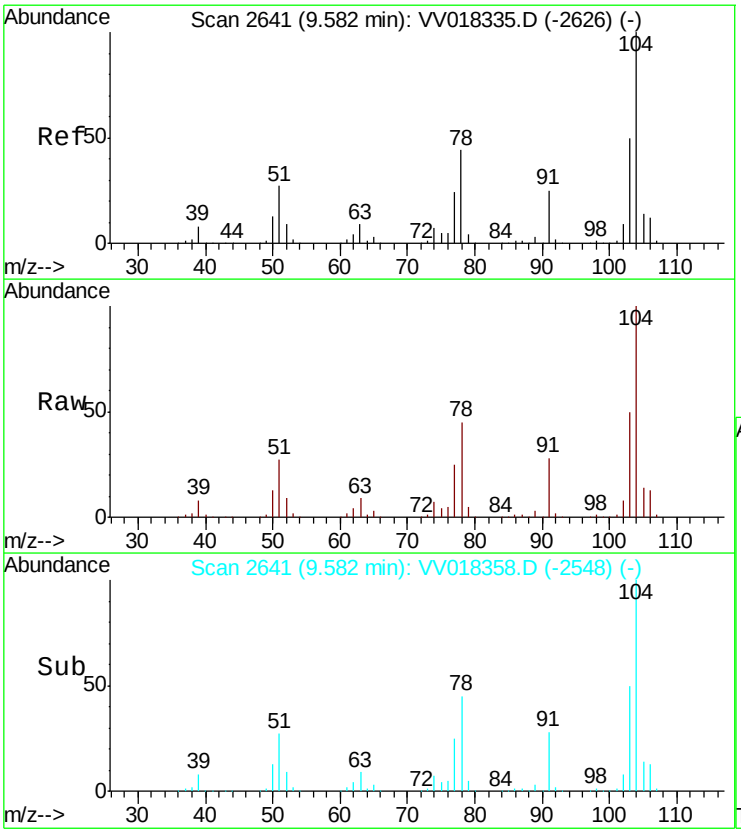

#54
o-xylene
Concen: 50.168 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:106 Resp: 169009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.0 | 152.2 | 282.6 |

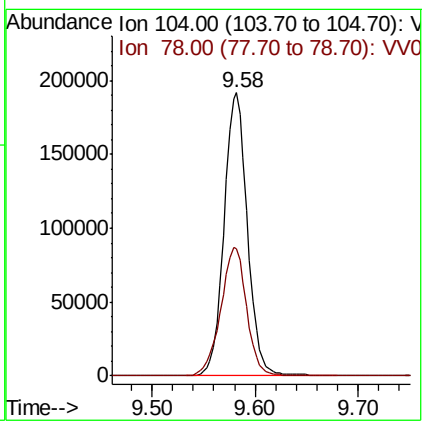


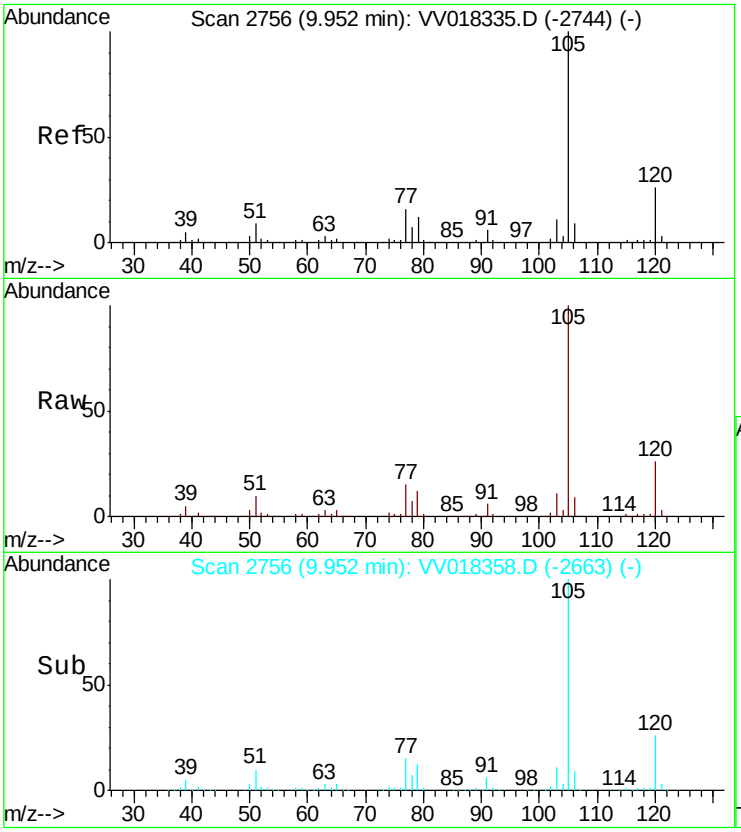




#55
Styrene
Concen: 51.683 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:104 Resp: 302631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 45.1 | 31.4 | 58.2 |



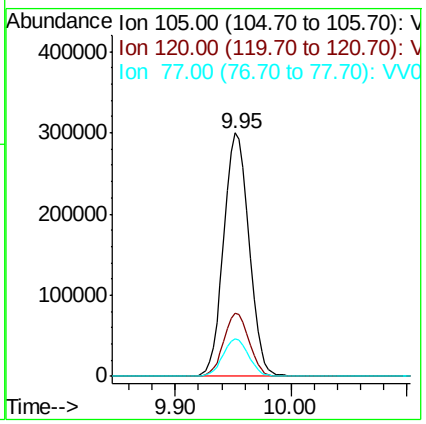


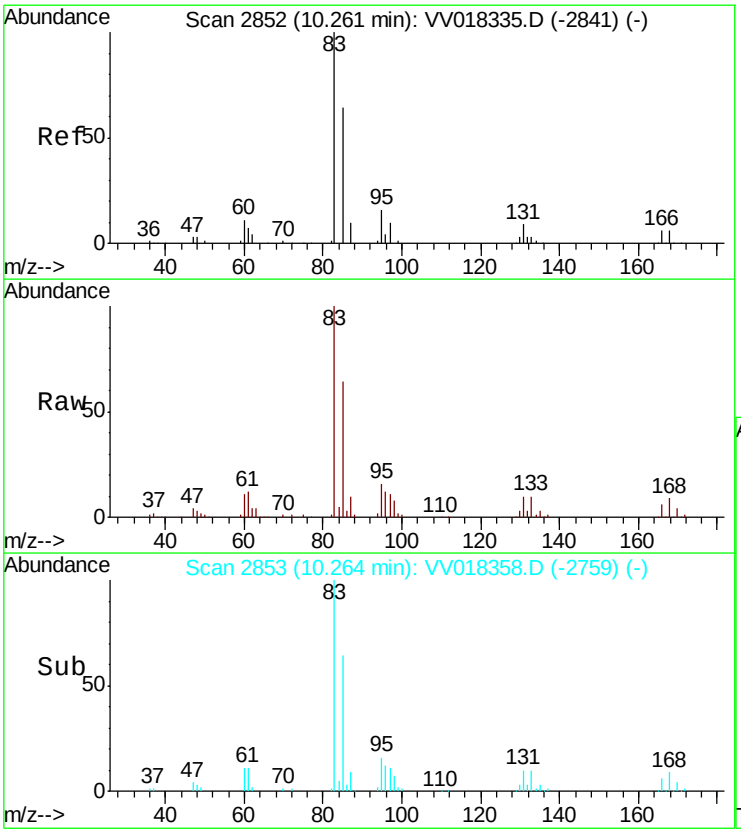

#56
Isopropylbenzene
Concen: 49.833 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:105 Resp: 452455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 20.9 | 31.3 |
| 77 | 15.5 | 12.5 | 18.7 |

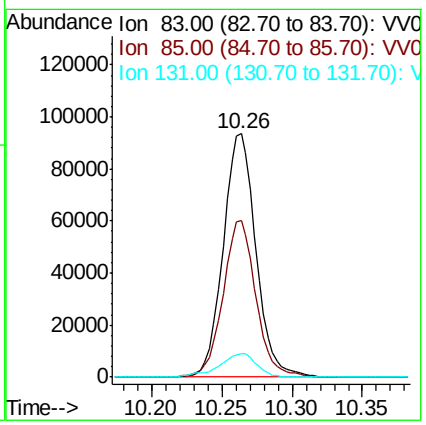


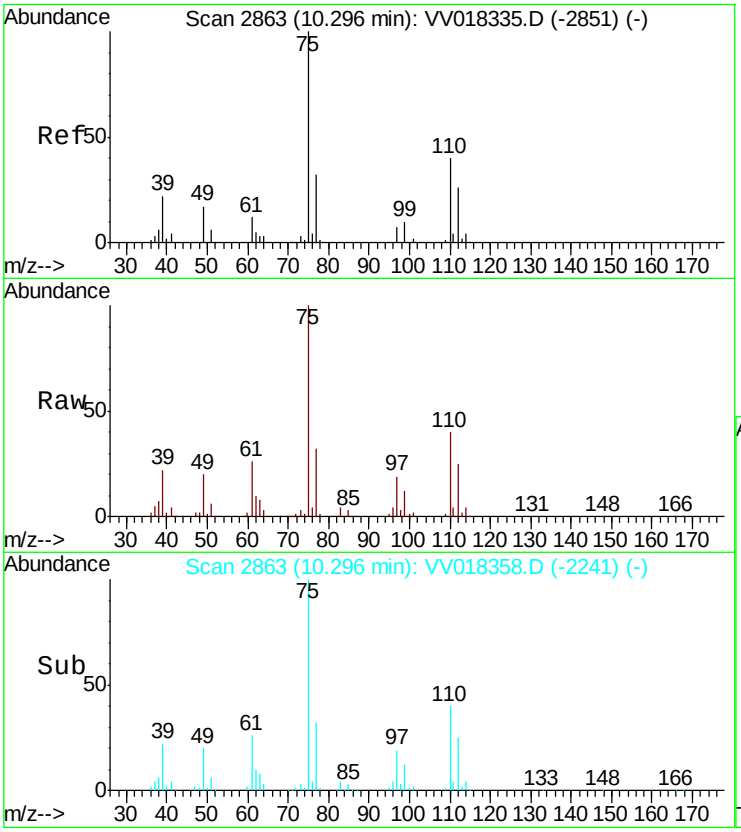




#58
1,1,2,2-Tetrachloroethane
Concen: 51.478 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 83 Resp: 151657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 45.8 | 85.2 |
| 131 | 9.7 | 8.0 | 12.0 |



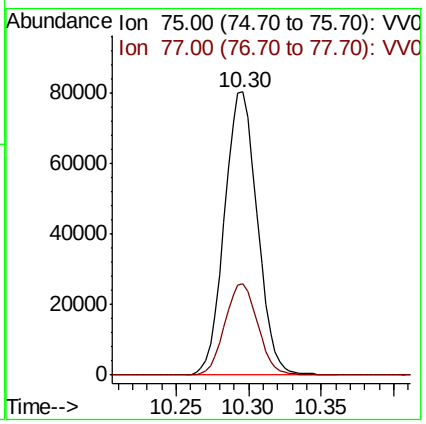


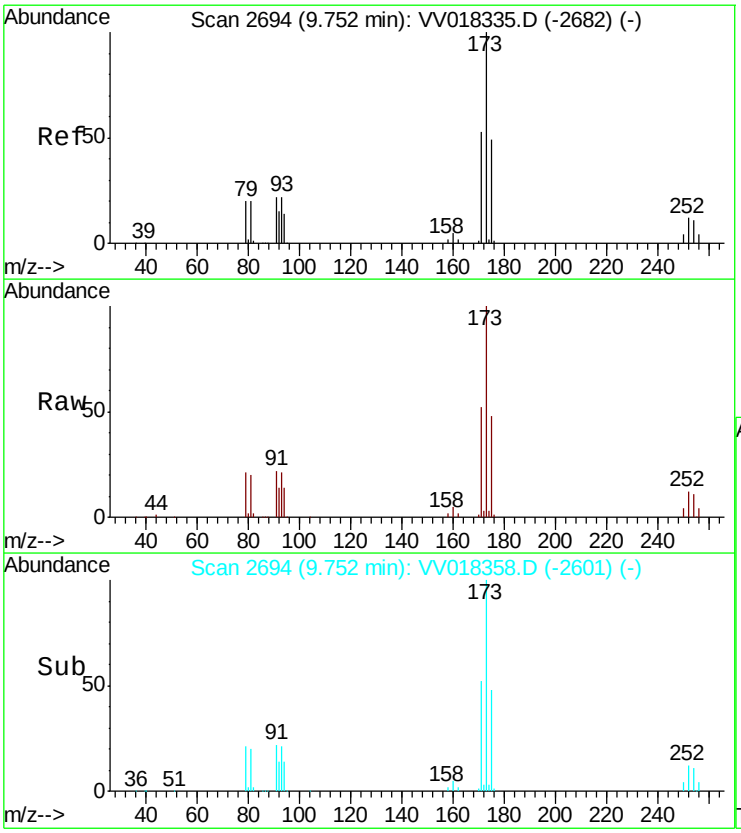

#59
1,2,3-Trichloropropane
Concen: 50.253 ug/L
RT: 10.30 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion: 75 Resp: 127003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.8 | 38.6 |

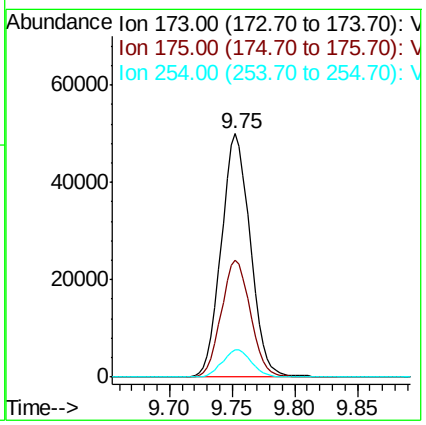


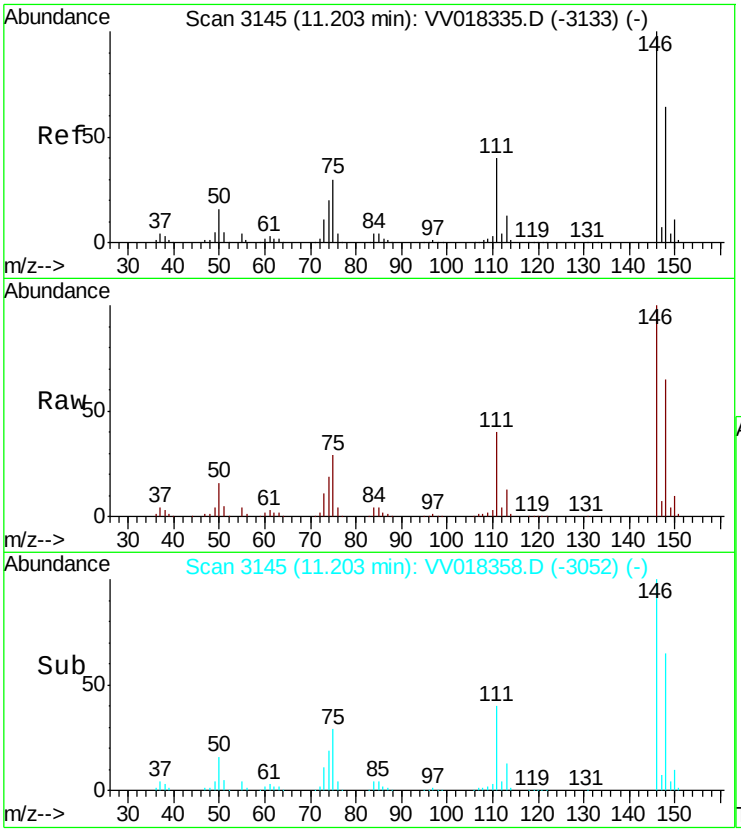




#61
Bromoform
Concen: 48.686 ug/L
RT: 9.75 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:173 Resp: 80384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 39.0 | 58.6 |
| 254 | 11.2 | 9.0 | 13.4 |



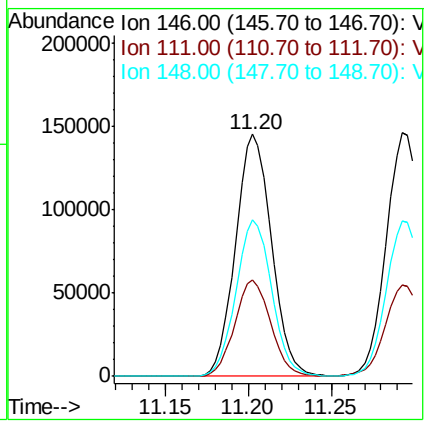


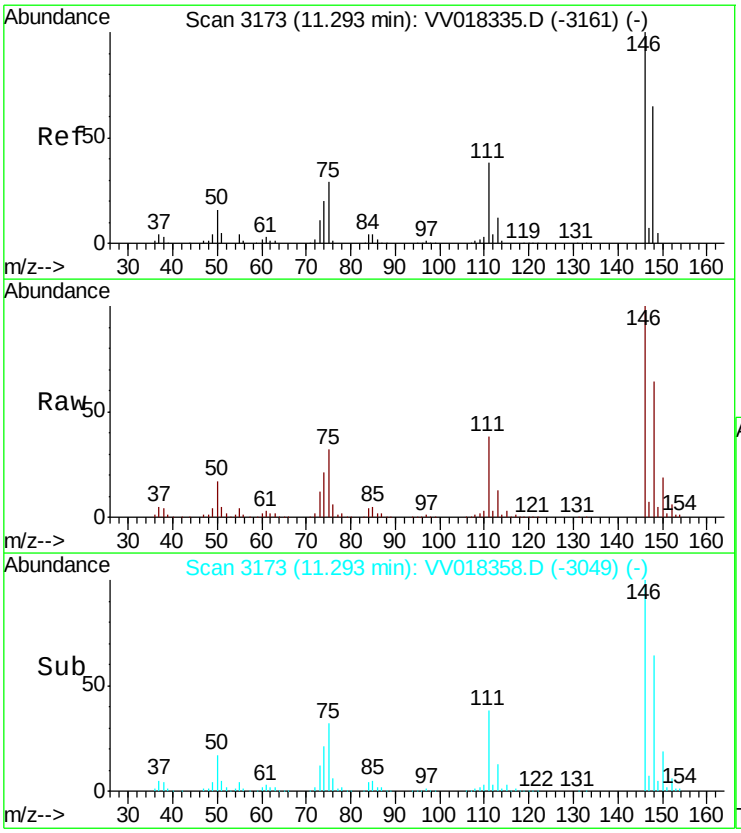

#62
1,3-Dichlorobenzene
Concen: 48.066 ug/L
RT: 11.20 min Scan# 3145
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:146 Resp: 219668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 27.6 | 51.2 |
| 148 | 64.6 | 45.4 | 84.2 |

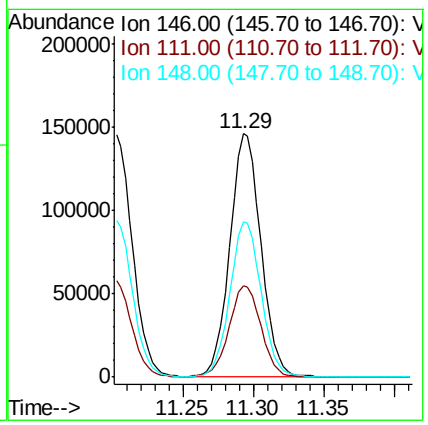


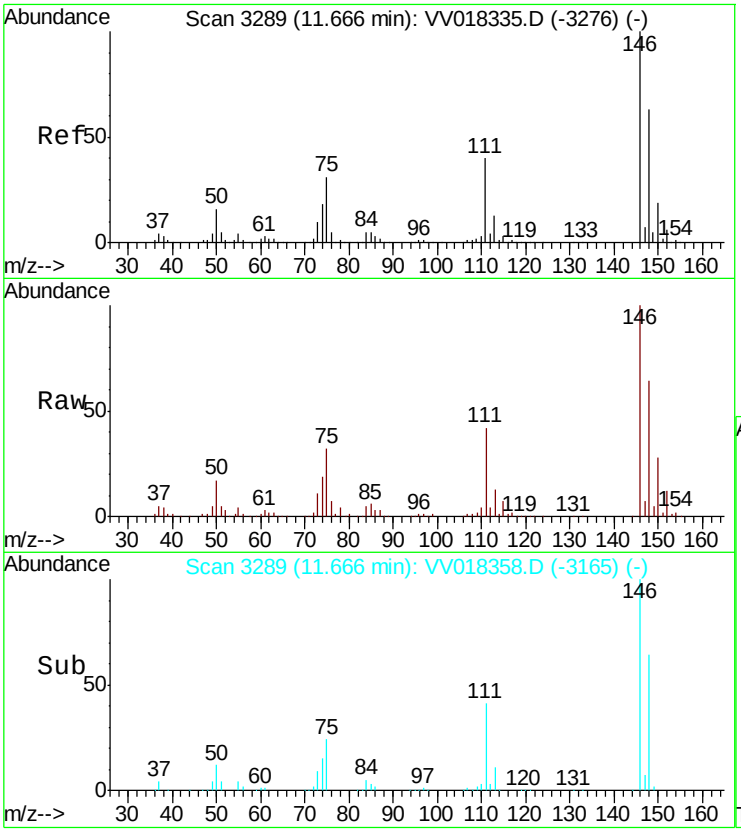




#63
1,4-Dichlorobenzene
Concen: 47.841 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:146 Resp: 224728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.7 | 27.1 | 50.3 |
| 148 | 63.9 | 45.4 | 84.2 |



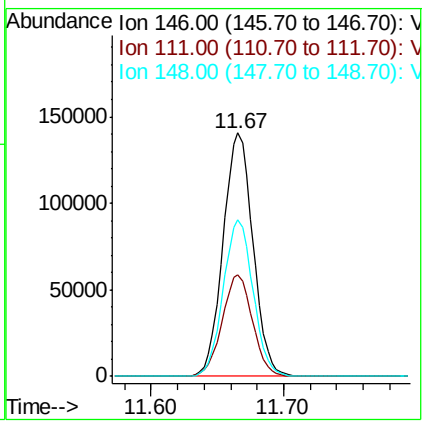


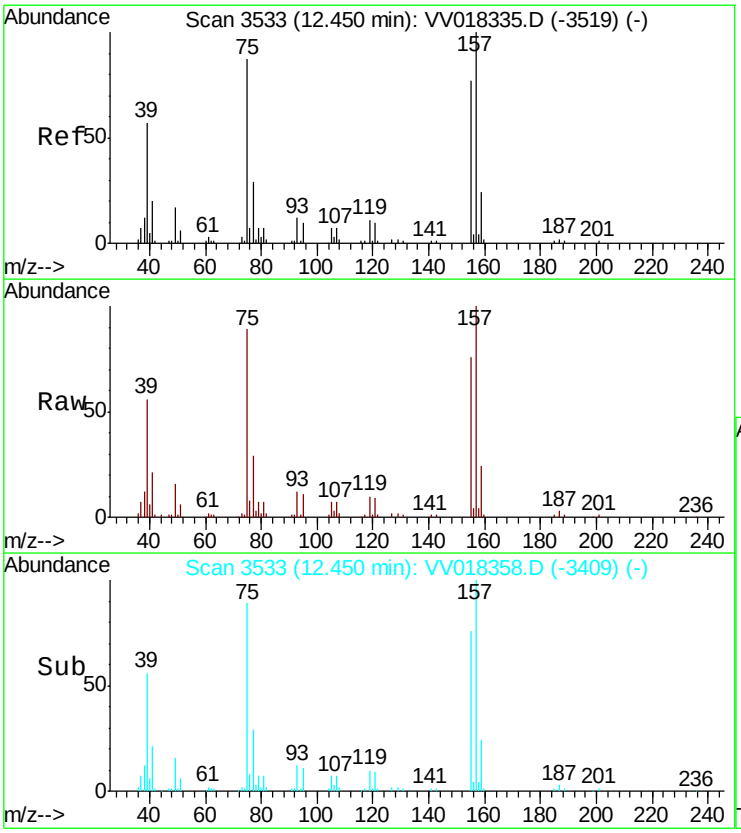

#65
1,2-Dichlorobenzene
Concen: 47.575 ug/L
RT: 11.67 min Scan# 3289
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:146 Resp: 219764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 32.8 | 49.2 |
| 148 | 64.2 | 50.7 | 76.1 |

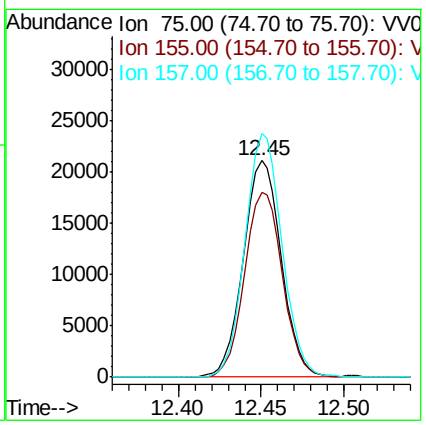


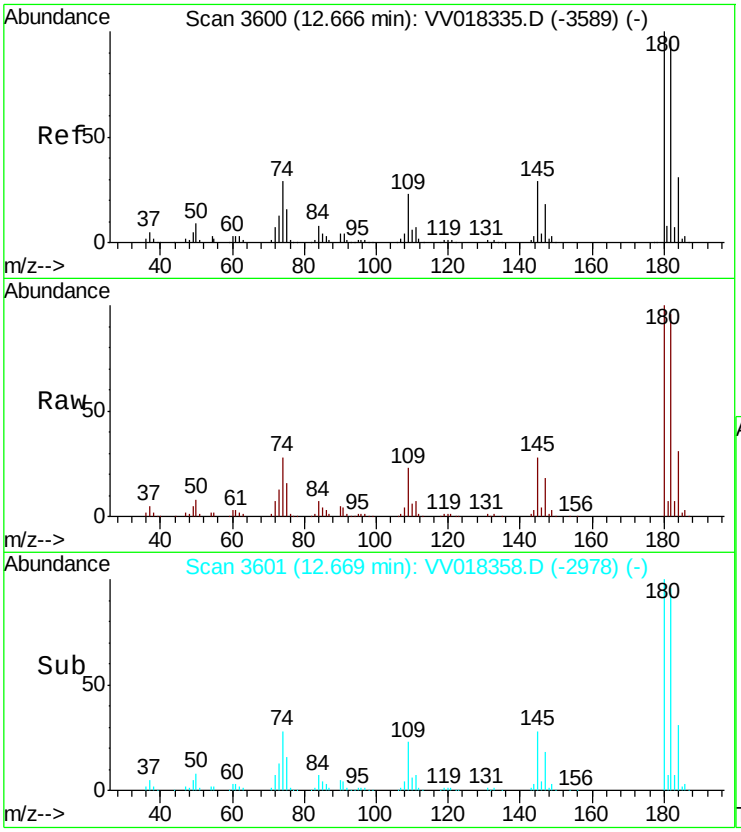




#66
1,2-Dibromo-3-chloropropane
Concen: 51.548 ug/L
RT: 12.45 min Scan# 3533
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion: 75 Resp: 33602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.4 | 69.7 | 104.5 |
| 157 | 112.7 | 88.2 | 132.4 |



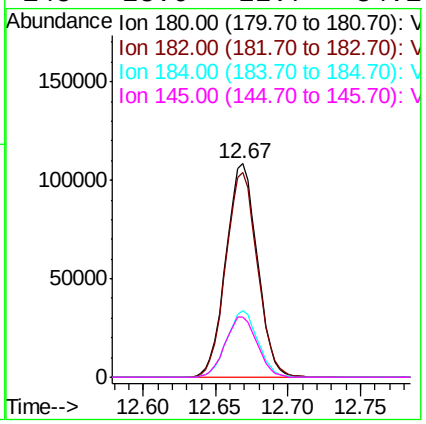


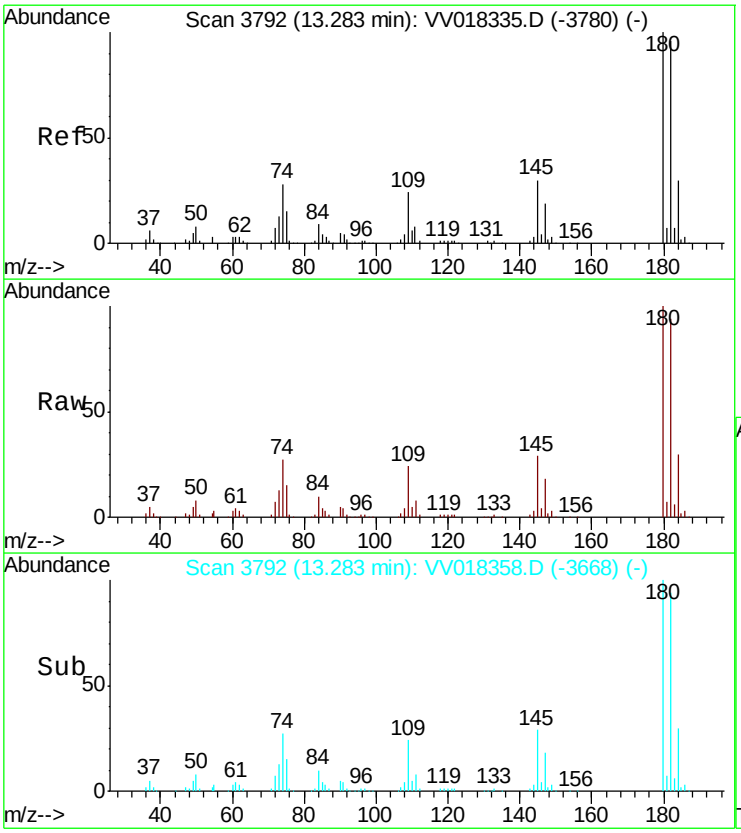

#67
1,3,5-Trichlorobenzene
Concen: 45.297 ug/L
RT: 12.67 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:180 Resp: 163197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 76.8 | 115.2 |
| 184 | 30.7 | 24.6 | 36.8 |
| 145 | 28.6 | 22.7 | 34.1 |

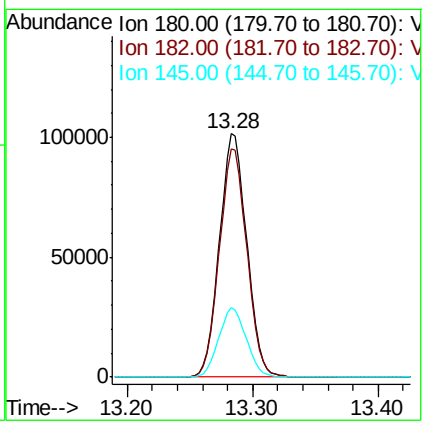


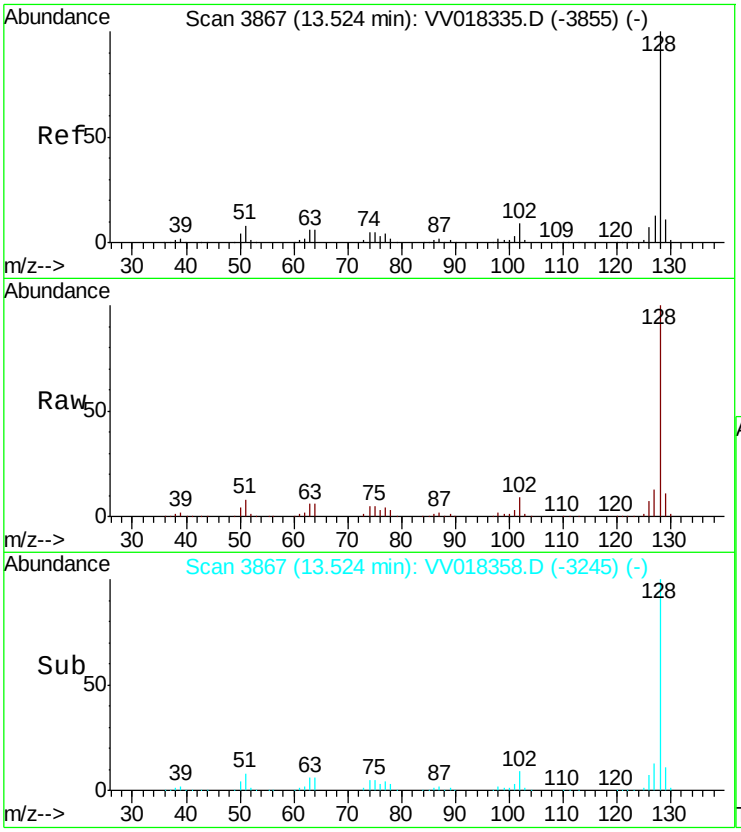




#68
1,2,4-trichlorobenzene
Concen: 47.708 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:180 Resp: 153062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 77.4 | 116.2 |
| 145 | 28.8 | 23.2 | 34.8 |



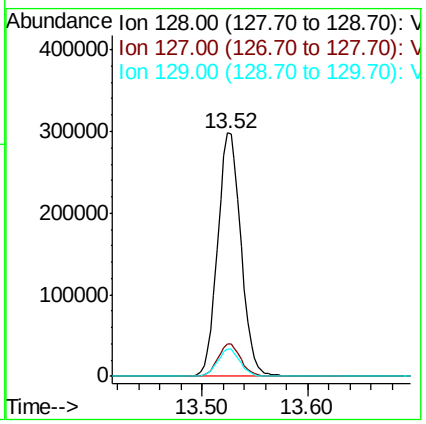


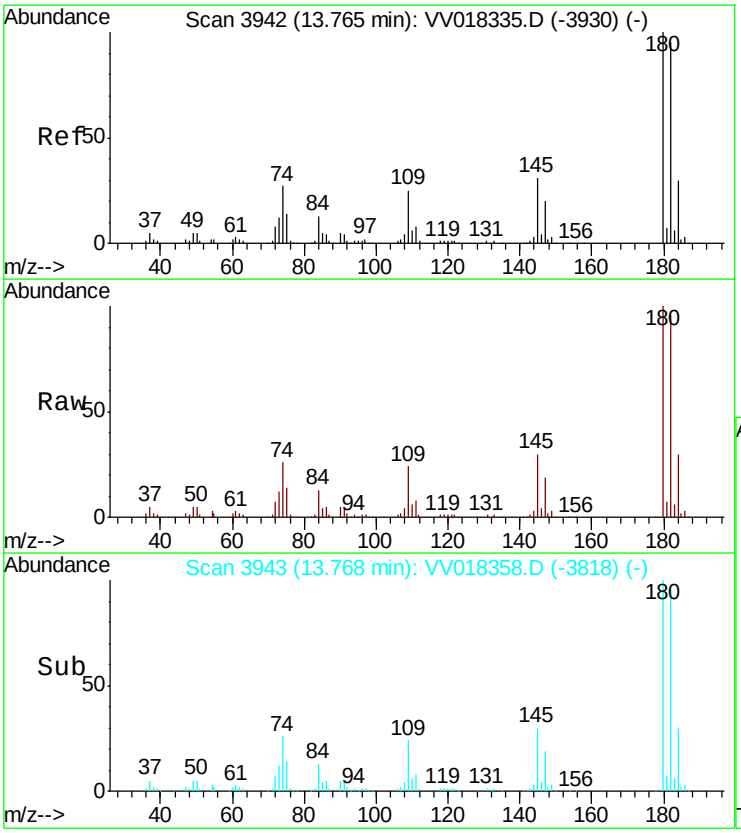

#69
Naphthalene
Concen: 56.148 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

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

Tgt Ion:128 Resp: 455818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.6 | 15.8 |
| 129 | 10.8 | 8.6 | 13.0 |




#70
1,2,3-Trichlorobenzene
Concen: 50.775 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018358.D
Acq: 19 Sep 2020 05:03

Tgt Ion:180 Resp: 160447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 76.5 | 114.7 |
| 145 | 30.9 | 24.9 | 37.3 |