Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092518\

Quantitation Report (Not Reviewed)

Data File : VV007854.D
Acq On : 25 Sep 2018 14:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VICV69

Quant Time: Sep 26 04:48:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 04:43:09 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 212674 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 210116 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 117762 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 67571 | 50.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 101.38% | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 57527 | 49.97 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 99.94% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.14 | 63 | 141560 | 49.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 99.66% | | | |
| 21) 2-Butanone-d5 | 3.95 | 46 | 97181 | 108.16 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 108.16% | | | |
| 24) Chloroform-d | 4.41 | 84 | 141079 | 50.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.90% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 98266 | 49.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 99.52% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 281697 | 50.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.12% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 87835 | 49.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 99.68% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 288970 | 50.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.90% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 44428 | 52.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 105.92% | | | |
| 47) 2-Hexanone-d5 | 8.14 | 63 | 81284 | 109.23 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 109.23% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 130159 | 50.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 100.08% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 132254 | 50.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.04% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 80296 | 52.274 | ug/L | 99 |
| 3) Chloromethane | 1.26 | 50 | 72487 | 49.966 | ug/L | 100 |
| 5) Vinyl chloride | 1.33 | 62 | 76894 | 49.383 | ug/L | 99 |
| 6) Bromomethane | 1.54 | 94 | 44733 | 51.877 | ug/L | 99 |
| 8) Chloroethane | 1.60 | 64 | 46460 | 47.836 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 125847 | 48.235 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 71534 | 49.059 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.15 | 96 | 64594 | 49.364 | ug/L | 98 |
| 13) Acetone | 2.19 | 43 | 97409 | 89.990 | ug/L | 100 |
| 14) Carbon disulfide | 2.32 | 76 | 175795 | 51.494 | ug/L | 99 |
| 15) Methyl Acetate | 2.46 | 43 | 76316 | 48.060 | ug/L | 99 |
| 16) Methylene chloride | 2.54 | 84 | 69399 | 47.928 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 2.79 | 96 | 69285 | 49.630 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 2.81 | 73 | 209440 | 48.151 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 114649 | 47.856 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.97 | 96 | 76002 | 50.245 | ug/L | 97 |
| 22) 2-Butanone | 4.03 | 43 | 115632 | 93.223 | ug/L | 100 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092518\

Quantitation Report (Not Reviewed)

Data File : VV007854.D
Acq On : 25 Sep 2018 14:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VICV69

Quant Time: Sep 26 04:48:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 04:43:09 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.31 | 128 | 39618 | 50.341 | ug/L | 97 |
| 25) Chloroform | 4.43 | 83 | 136609 | 48.044 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 108824 | 48.290 | ug/L | 100 |
| 29) Cyclohexane | 4.73 | 56 | 113281 | 50.414 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 4.66 | 97 | 116887 | 49.116 | ug/L | 100 |
| 31) Carbon tetrachloride | 4.88 | 117 | 104882 | 49.883 | ug/L | 98 |
| 33) Benzene | 5.15 | 78 | 282294 | 49.962 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 77309 | 49.326 | ug/L | 98 |
| 35) Methylcyclohexane | 6.18 | 83 | 121247 | 49.310 | ug/L | 96 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 73777 | 48.962 | ug/L | 100 |
| 38) Bromodichloromethane | 6.56 | 83 | 96768 | 50.742 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 111444 | 50.945 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 220458 | 103.532 | ug/L | 97 |
| 42) Toluene | 7.43 | 91 | 318872 | 50.090 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 112237 | 51.622 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 73612 | 48.886 | ug/L | 99 |
| 46) Tetrachloroethene | 8.02 | 164 | 74549 | 49.500 | ug/L | 98 |
| 48) 2-Hexanone | 8.19 | 43 | 176120 | 104.649 | ug/L | 98 |
| 49) Dibromochloromethane | 8.30 | 129 | 82916 | 50.360 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 80220 | 49.546 | ug/L | 97 |
| 51) Chlorobenzene | 8.93 | 112 | 217531 | 49.368 | ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 365549 | 50.835 | ug/L | 100 |
| 53) m,p-Xylene | 9.19 | 106 | 140192 | 51.171 | ug/L | 96 |
| 54) o-xylene | 9.59 | 106 | 135829 | 51.038 | ug/L | 97 |
| 55) Styrene | 9.61 | 104 | 238852 | 52.398 | ug/L | 97 |
| 56) Isopropylbenzene | 9.98 | 105 | 371553 | 51.222 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 122248 | 49.678 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 98453 | 49.081 | ug/L | 99 |
| 61) Bromoform | 9.78 | 173 | 63256 | 50.937 | ug/L | 100 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 189149 | 51.335 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 196754 | 50.250 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 191026 | 49.959 | ug/L | 100 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 24916 | 49.804 | ug/L | 97 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 158878 | 51.146 | ug/L | 100 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 139074 | 53.063 | ug/L | 99 |
| 69) Naphthalene | 13.56 | 128 | 363554 | 56.705 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 144044 | 54.280 | ug/L | 99 |

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

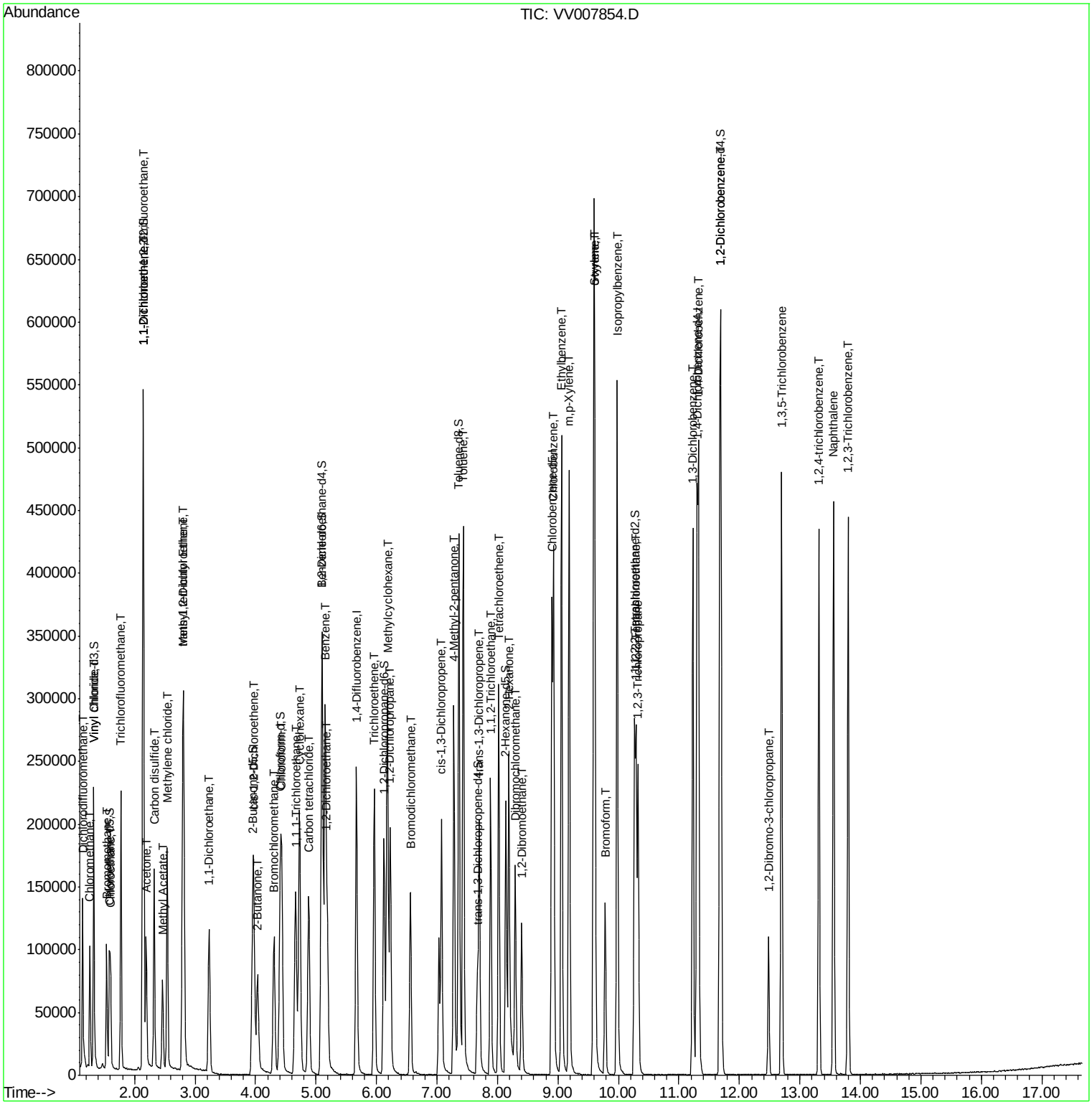
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092518\

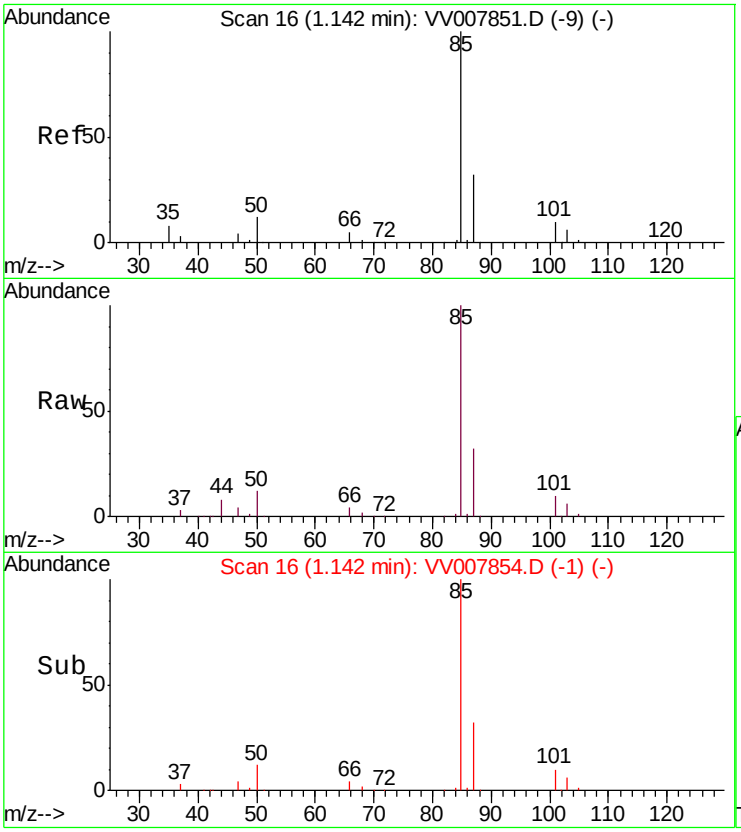
Quantitation Report (Not Reviewed)

Data File : VV007854.D
Acq On : 25 Sep 2018 14:15
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Quant Time: Sep 26 04:48:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 04:43:09 2018
Response via : Initial Calibration



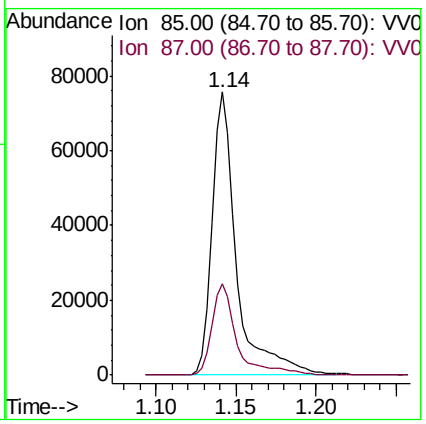


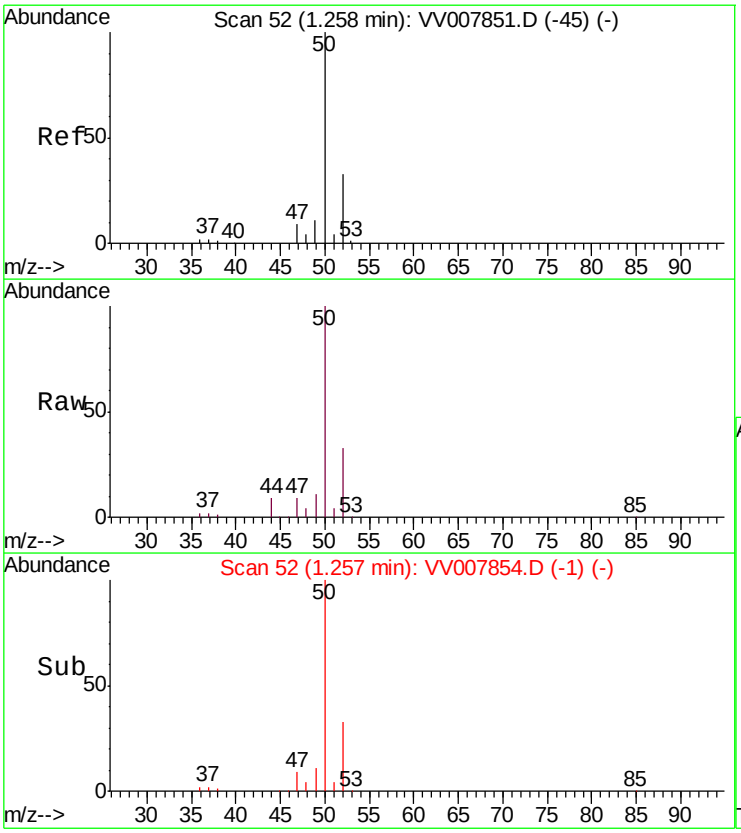

#2
Dichlorodifluoromethane
Concen: 52.274 ug/L
RT: 1.14 min Scan# 16
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 85 Resp: 80296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 25.8 | 38.8 |

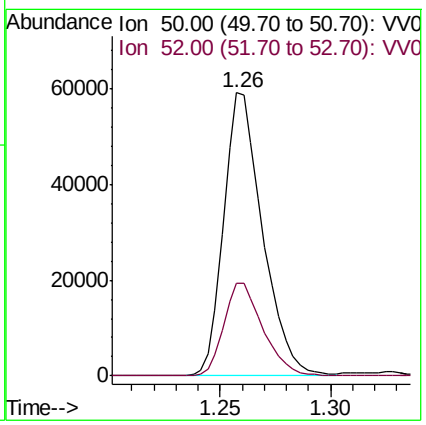


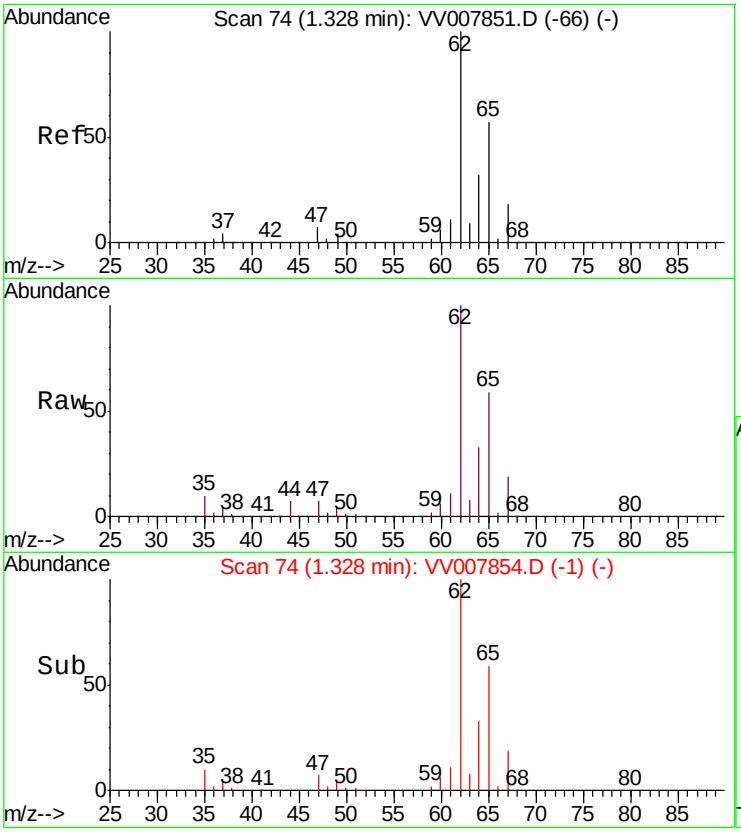




#3
Chloromethane
Concen: 49.966 ug/L
RT: 1.26 min Scan# 52
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 50 Resp: 72487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.8 | 23.0 | 42.6 |



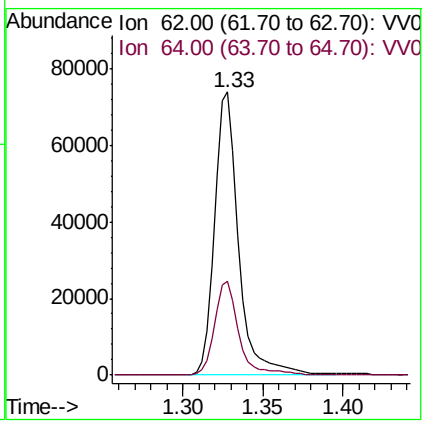


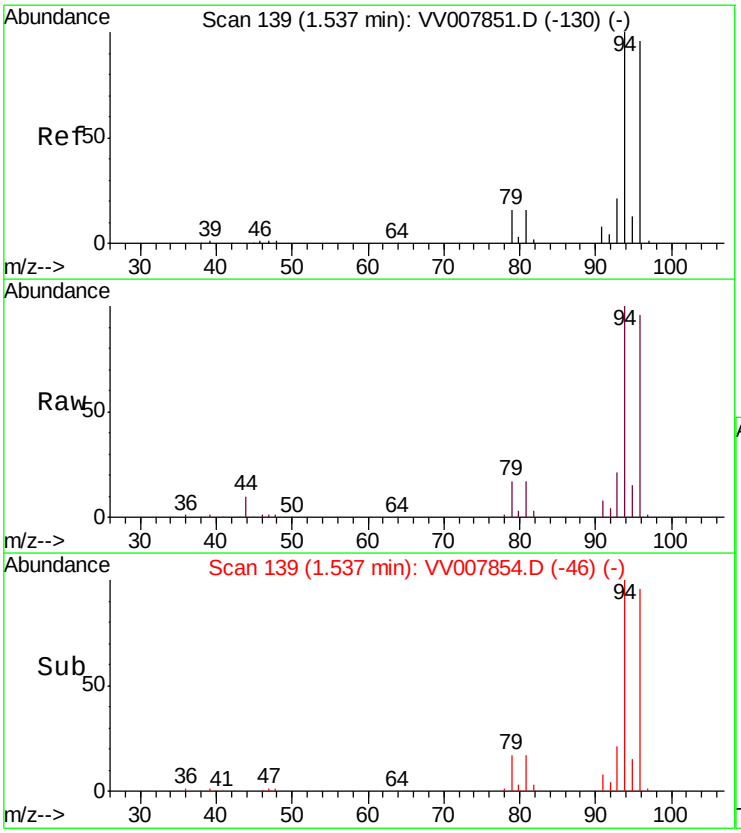

#5
Vinyl chloride
Concen: 49.383 ug/L
RT: 1.33 min Scan# 74
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 62 Resp: 76894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.0 | 22.7 | 42.1 |

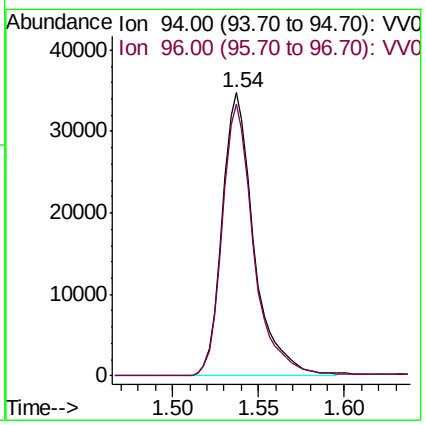


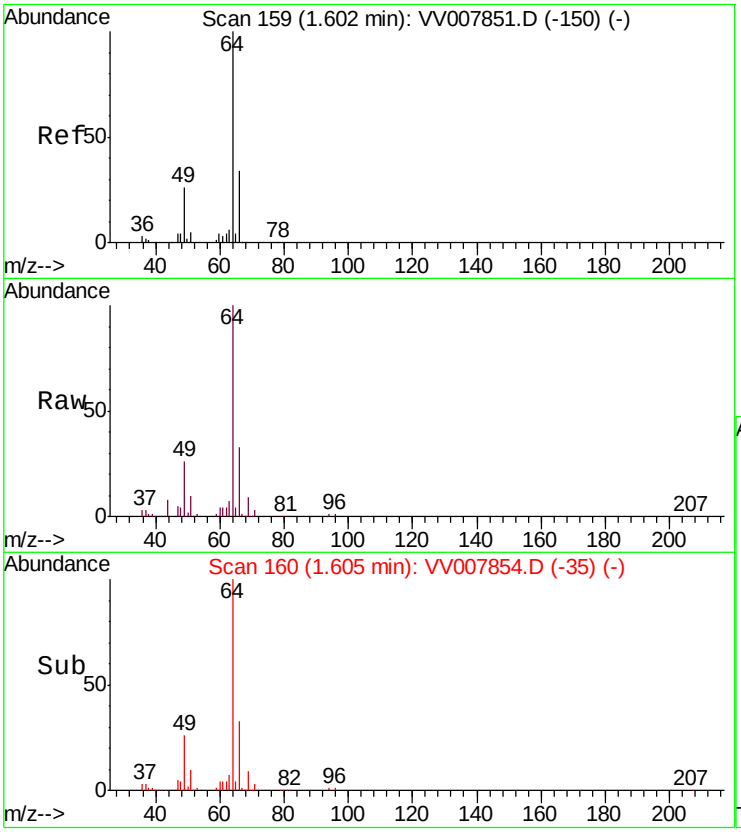




#6
Bromomethane
Concen: 51.877 ug/L
RT: 1.54 min Scan# 139
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 94 Resp: 44733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.2 | 66.9 | 124.3 |



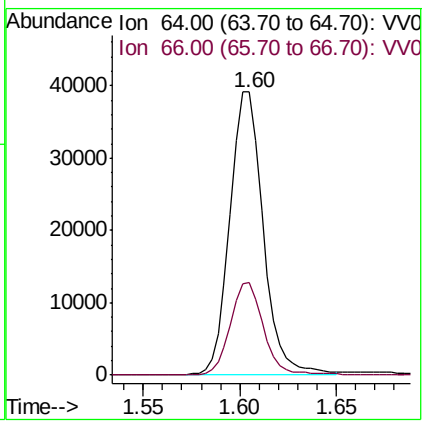


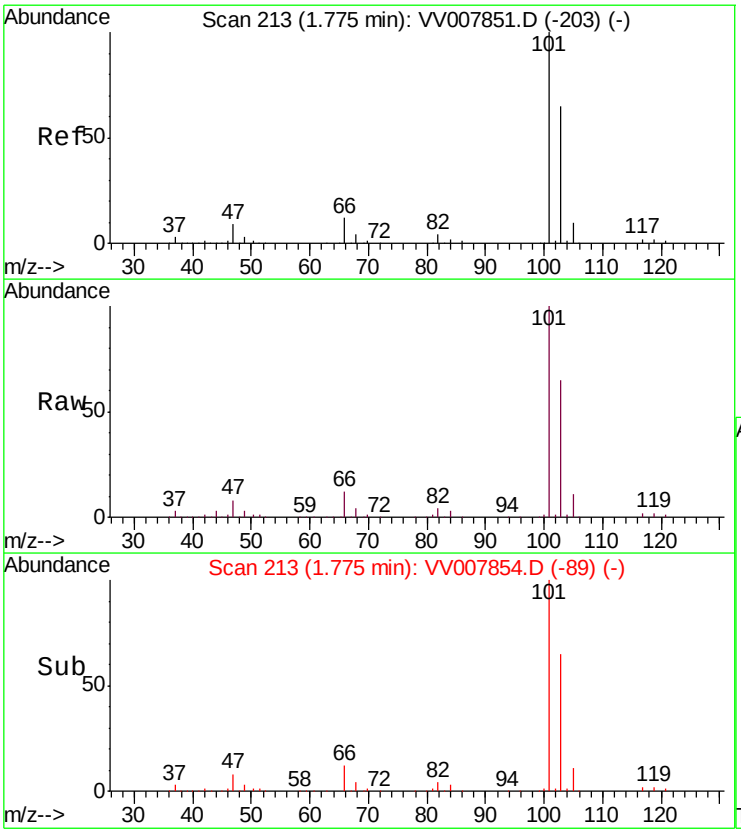

#8
Chloroethane
Concen: 47.836 ug/L
RT: 1.60 min Scan# 160
Delta R.T. 0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :** MSVOA_V
**ClientSampleId :** VICV69

Tgt Ion: 64 Resp: 46460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.5 | 23.4 | 43.6 |

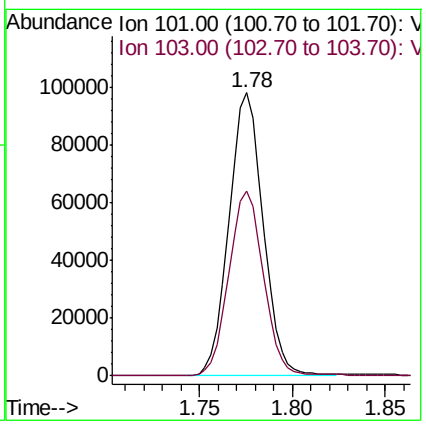


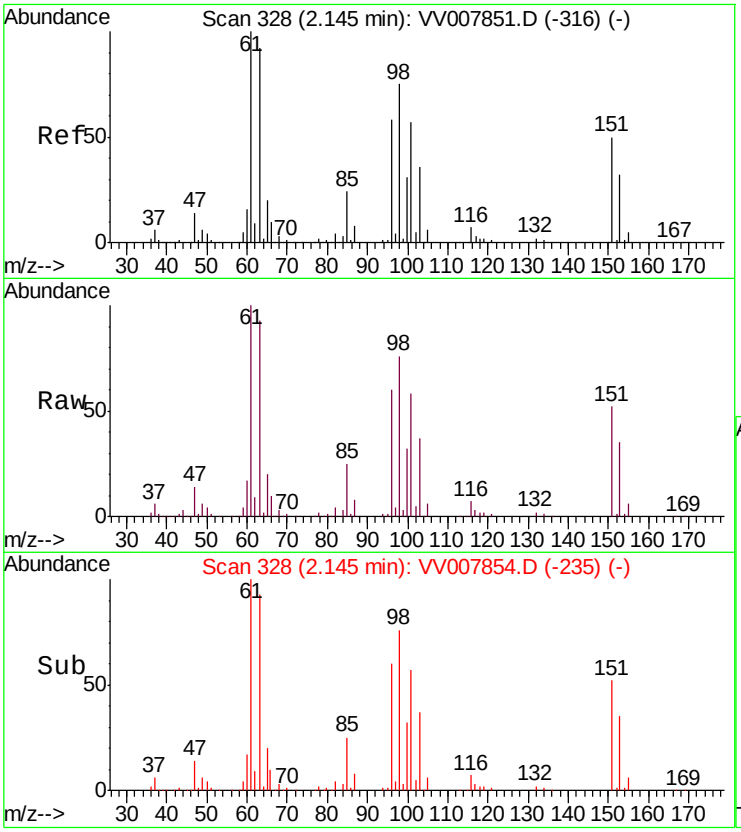




#9
Trichlorofluoromethane
Concen: 48.235 ug/L
RT: 1.78 min Scan# 213
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:101 Resp: 125847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.3 | 52.4 | 78.6 |



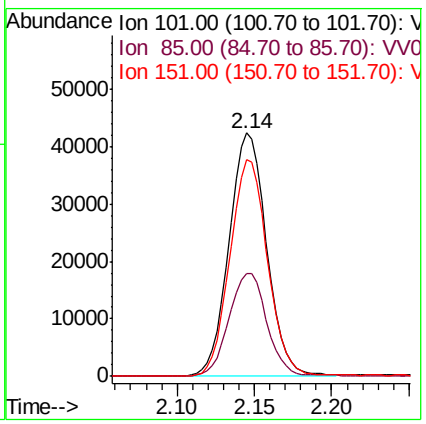


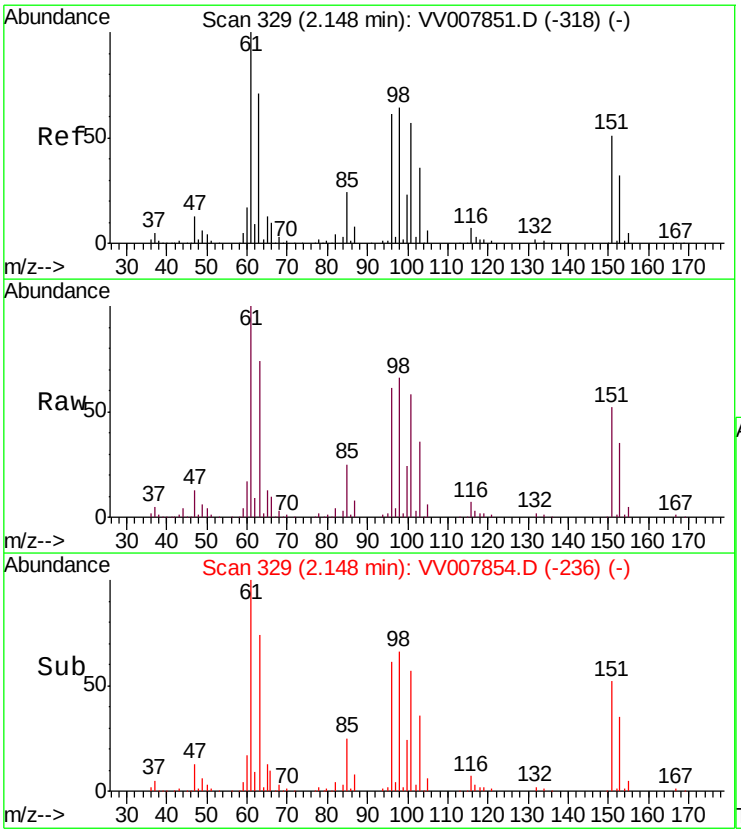

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.059 ug/L
RT: 2.14 min Scan# 328
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion:101 Resp: 71534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.6 | 34.2 | 51.2 |
| 151 | 88.7 | 69.7 | 104.5 |

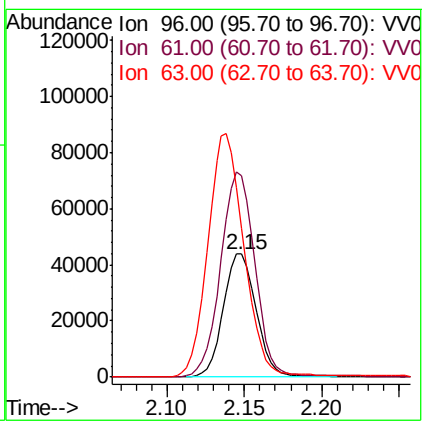


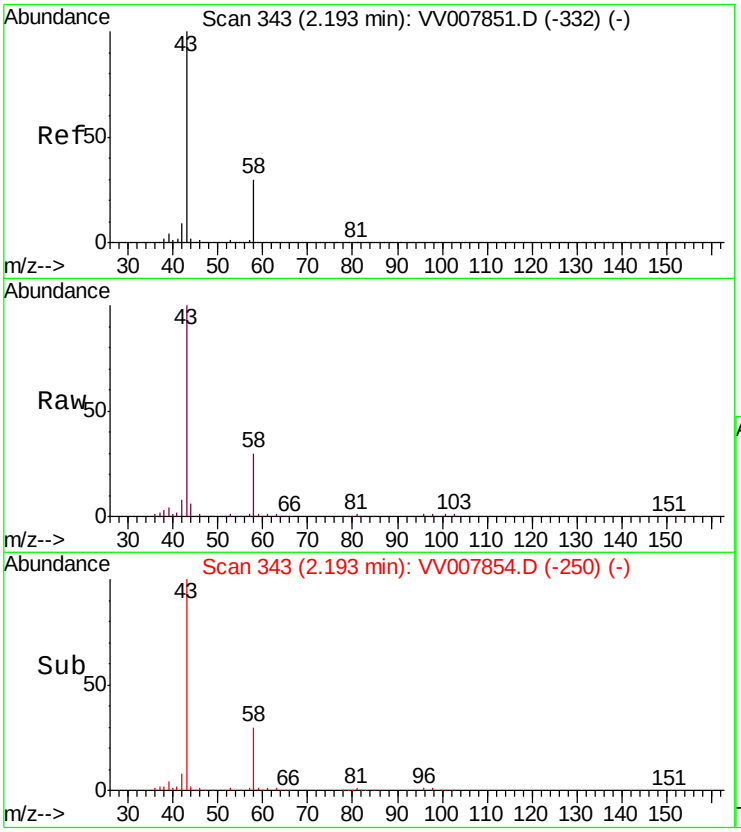




#12
1,1-Dichloroethene
Concen: 49.364 ug/L
RT: 2.15 min Scan# 329
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 96 Resp: 64594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.1 | 116.1 | 215.7 |
| 63 | 120.9 | 86.5 | 160.7 |



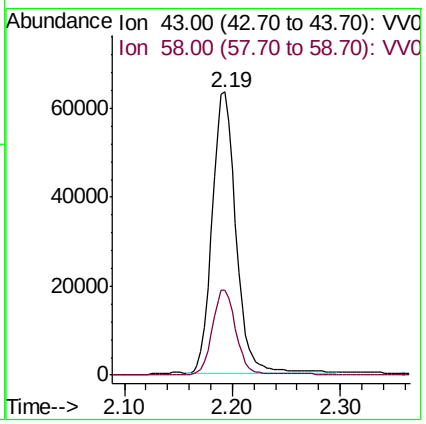


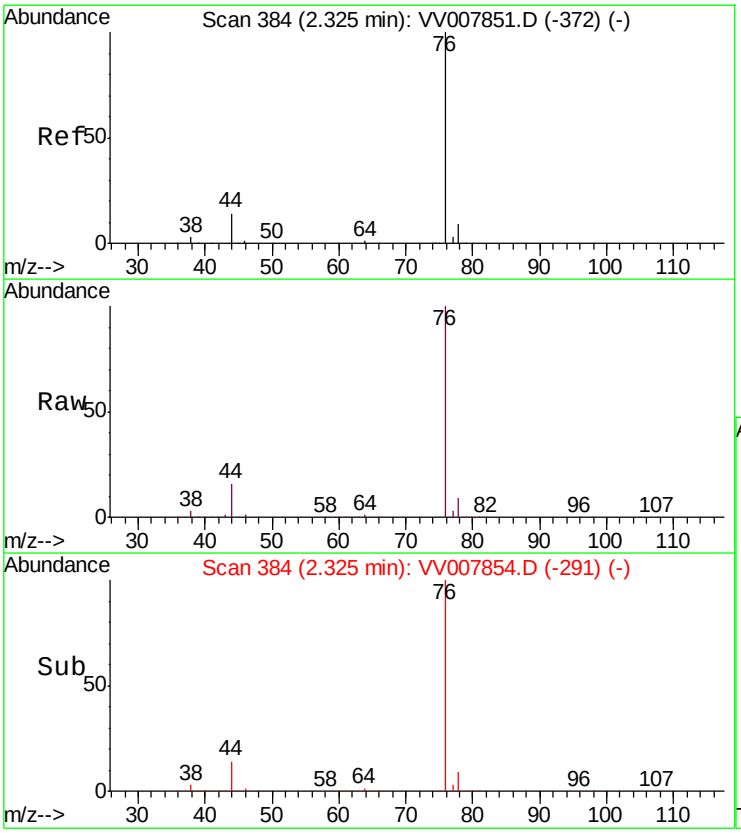

#13
Acetone
Concen: 89.990 ug/L
RT: 2.19 min Scan# 343
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 43 Resp: 97409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 0.0 | 59.4 |

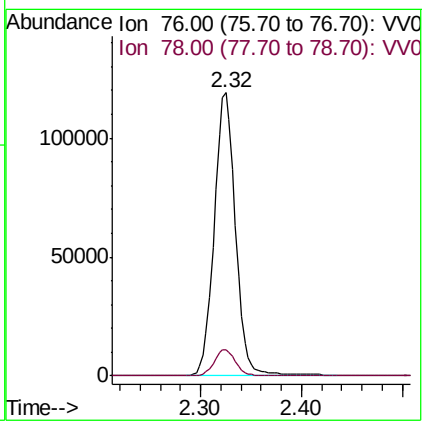


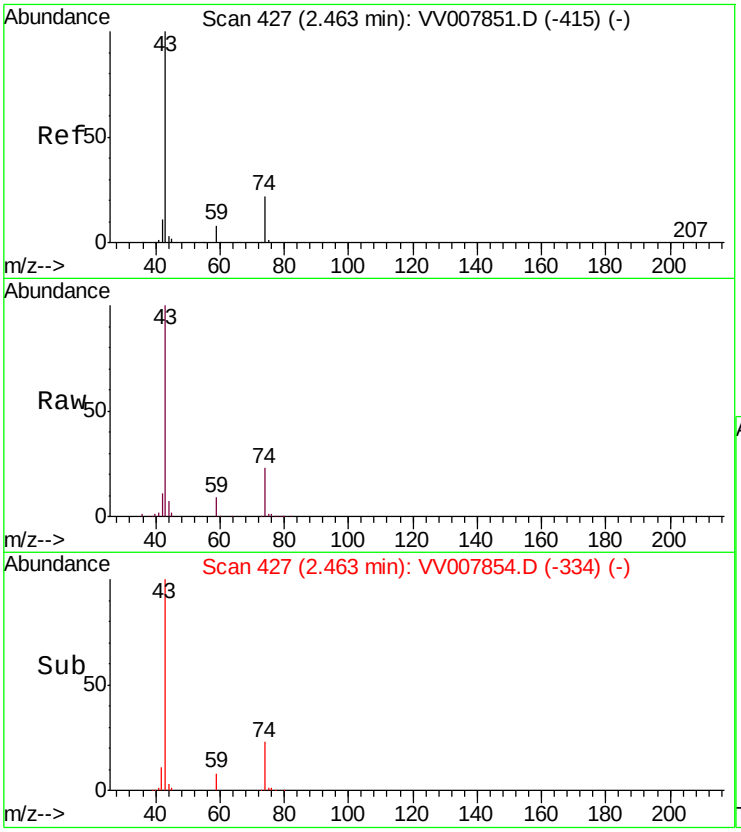




#14
Carbon disulfide
Concen: 51.494 ug/L
RT: 2.32 min Scan# 384
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 76 Resp: 175795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.6 | 11.4 |



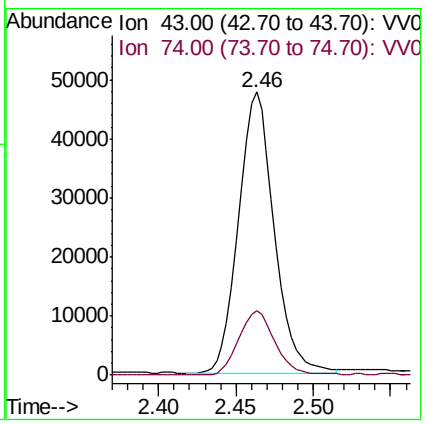


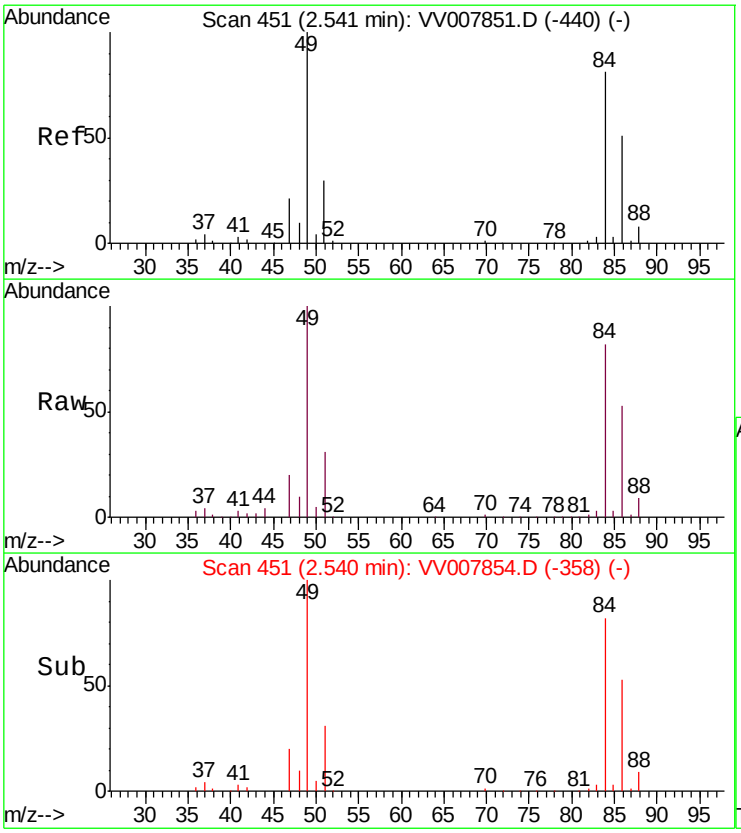

#15
Methyl Acetate
Concen: 48.060 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 43 Resp: 76316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 18.2 | 27.4 |

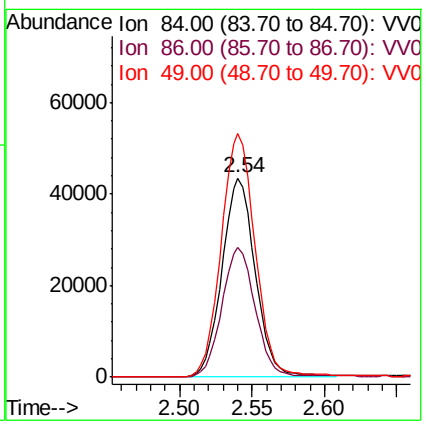


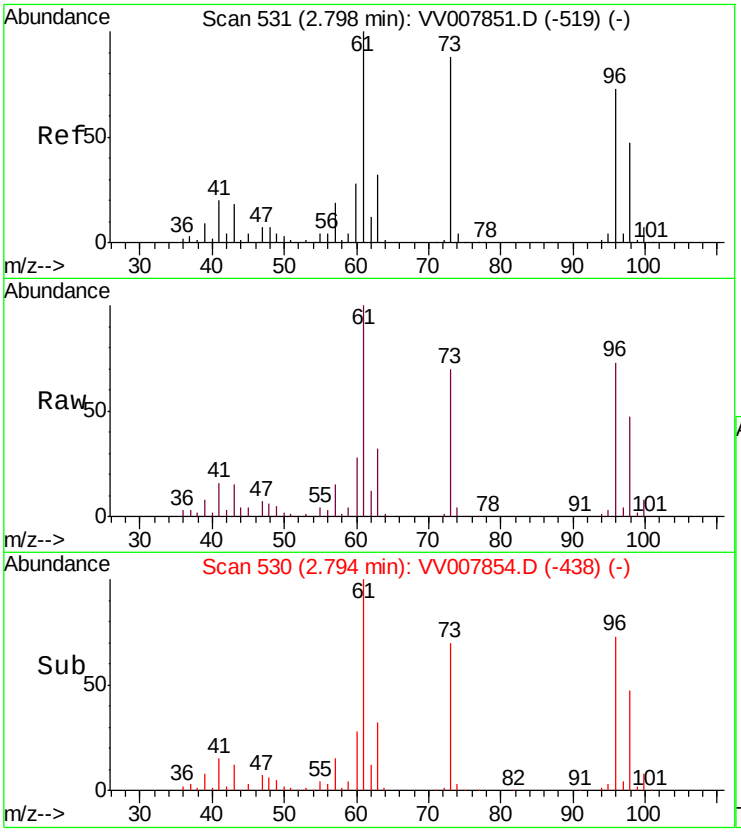




#16
Methylene chloride
Concen: 47.928 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 84 Resp: 69399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.2 | 44.4 | 82.4 |
| 49 | 122.1 | 86.8 | 161.2 |



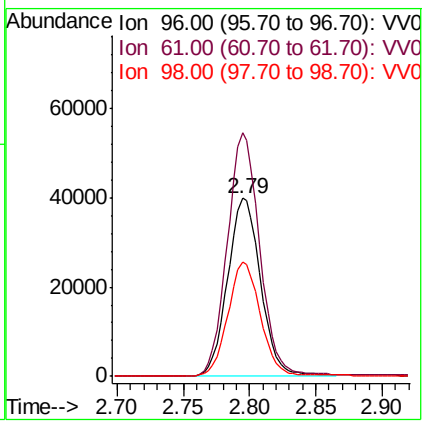


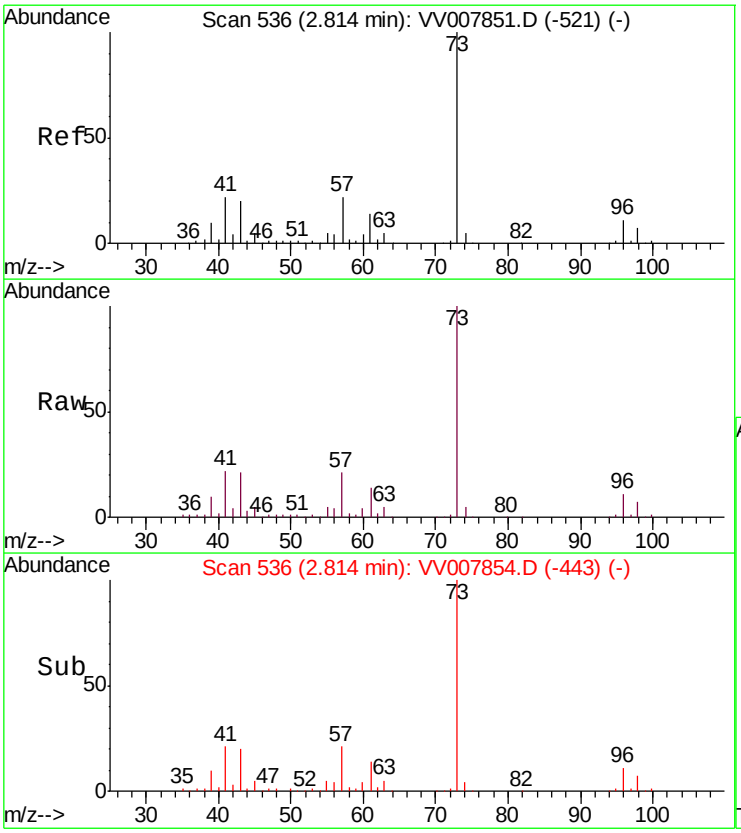

#17
trans-1,2-Dichloroethene
Concen: 49.630 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 96 Resp: 69285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.7 | 96.8 | 179.8 |
| 98 | 64.4 | 44.9 | 83.3 |

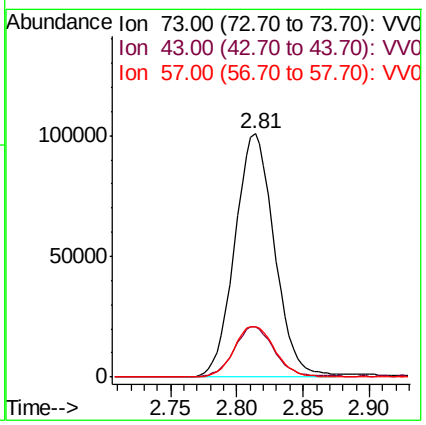


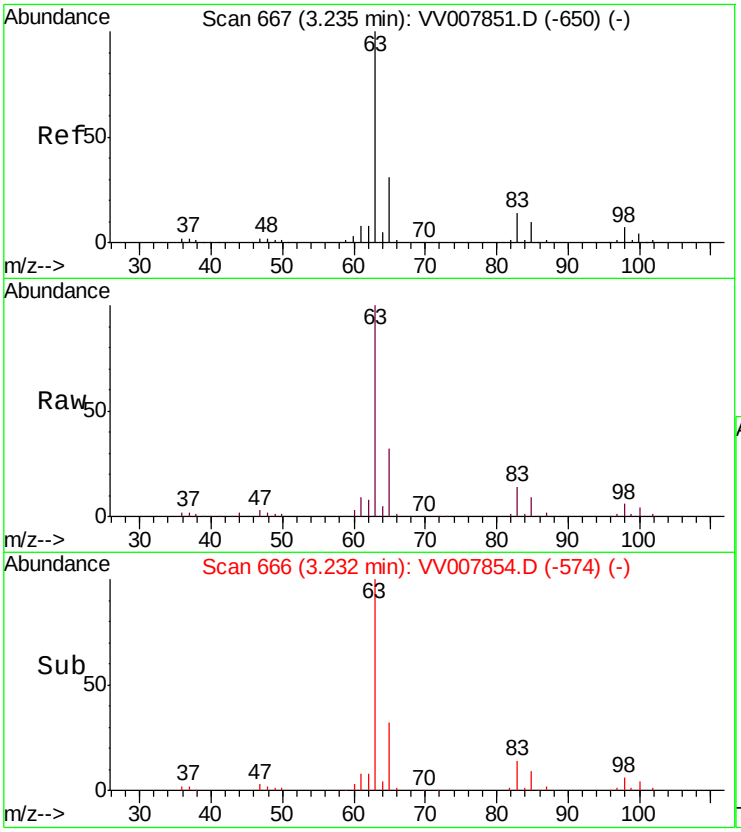




#18
Methyl tert-butyl Ether
Concen: 48.151 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 73 Resp: 209440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 20.4 | 16.2 | 24.4 |
| 57 | 21.6 | 17.1 | 25.7 |



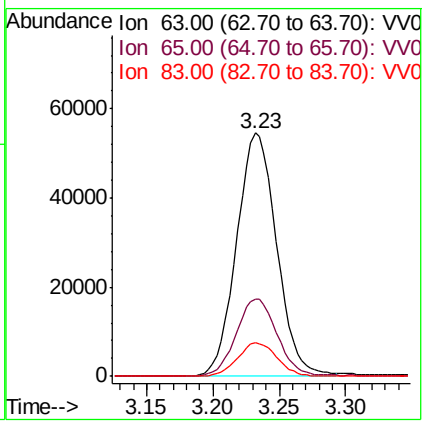


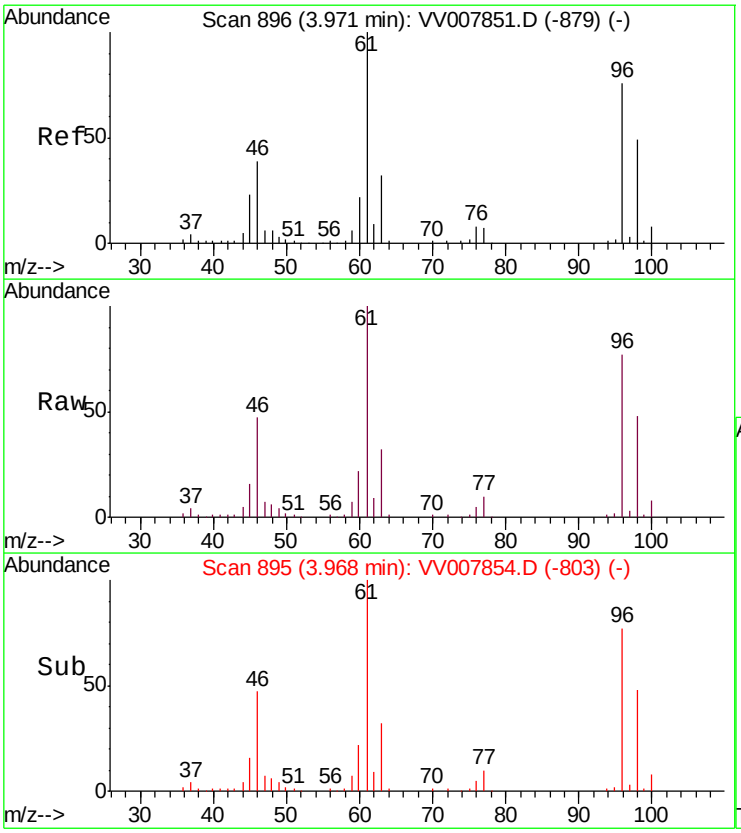

#19
1,1-Dichloroethane
Concen: 47.856 ug/L
RT: 3.23 min Scan# 666
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :** MSVOA_V
**ClientSampleId :** VICV69

Tgt Ion: 63 Resp: 114649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.9 | 21.9 | 40.7 |
| 83 | 13.7 | 9.7 | 18.1 |

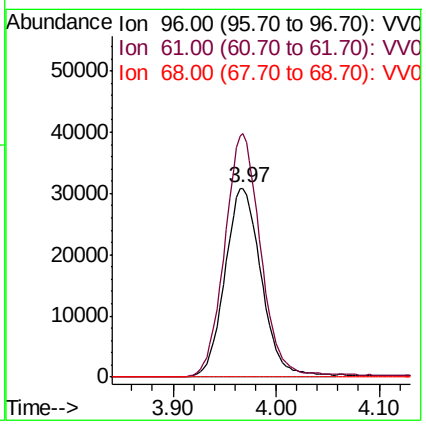


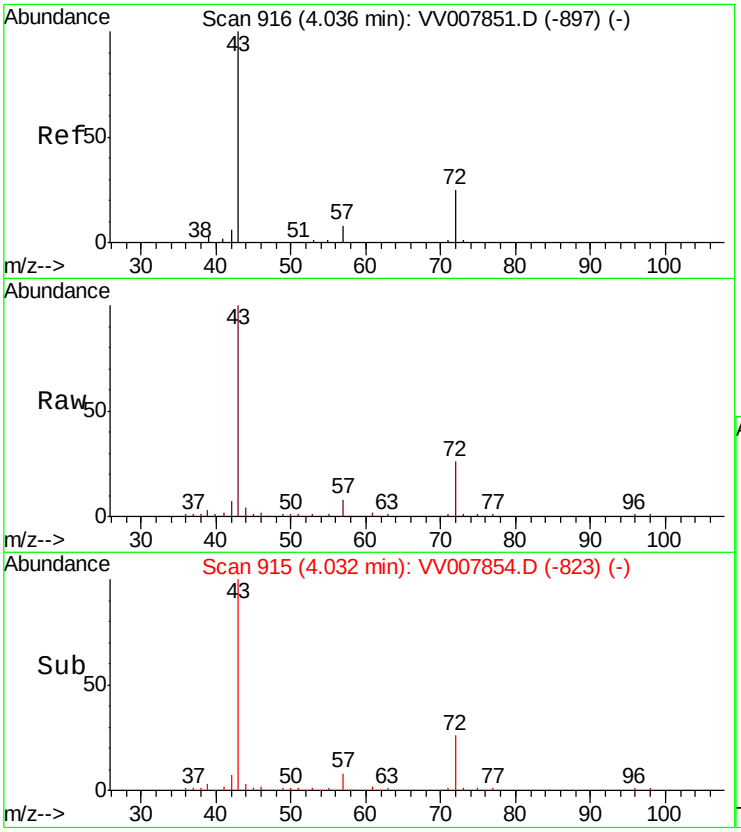




#20
cis-1,2-Dichloroethene
Concen: 50.245 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 96 Resp: 76002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.0 | 92.6 | 172.0 |
| 68 | 0.0 | 0.0 | 0.0 |



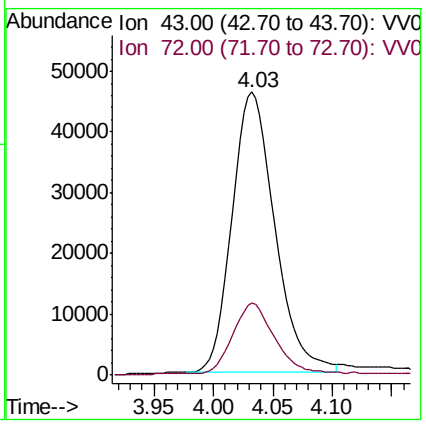


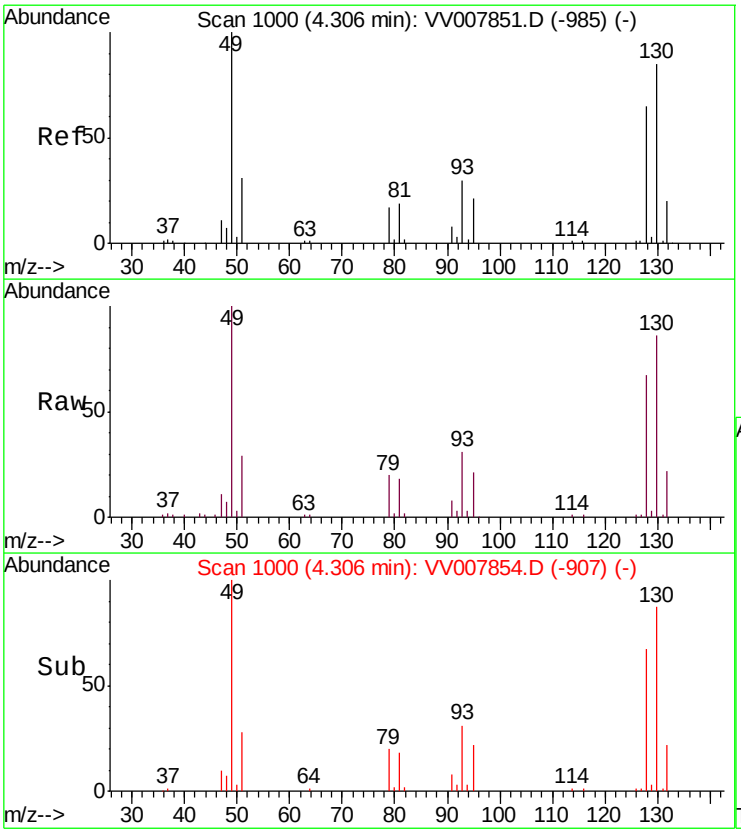

#22
2-Butanone
Concen:  93.223 ug/L
RT: 4.03 min  Scan# 915
Delta R.T.  -0.00 min
Lab File:  VV007854.D
Acq: 25 Sep 2018  14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 43 Resp:  115632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 12.4 | 37.2 |

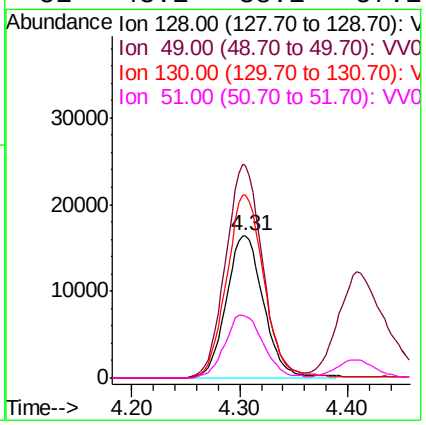


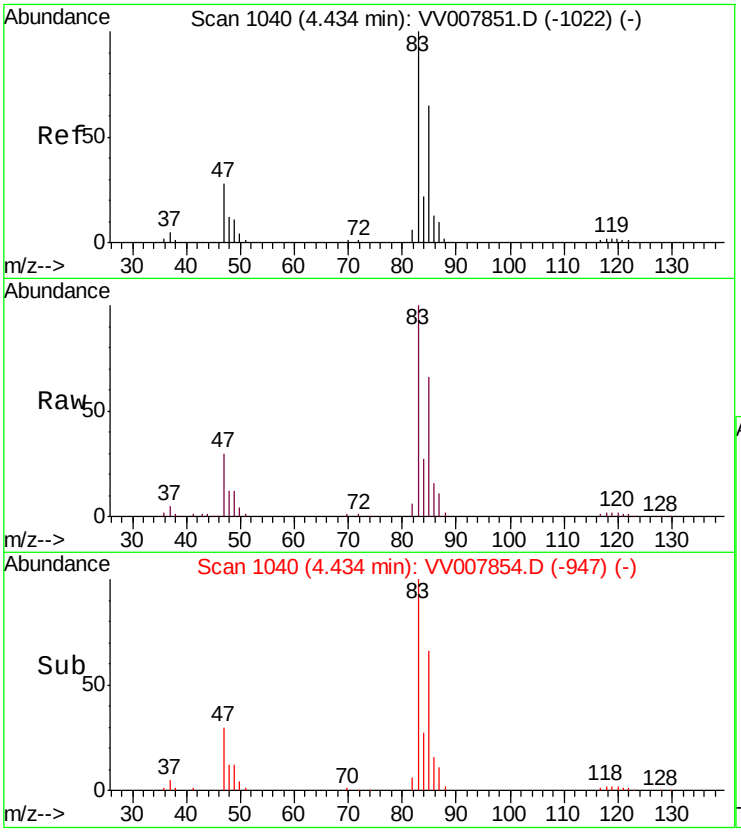




#23
Bromochloromethane
Concen:  50.341 ug/L
RT: 4.31 min  Scan# 1000
Delta R.T.  -0.00 min
Lab File:  VV007854.D
Acq: 25 Sep 2018  14:15

Tgt Ion:128 Resp:  39618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 149.2 | 107.7 | 199.9 |
| 130 | 128.6 | 91.1 | 169.1 |
| 51 | 43.1 | 38.1 | 57.1 |



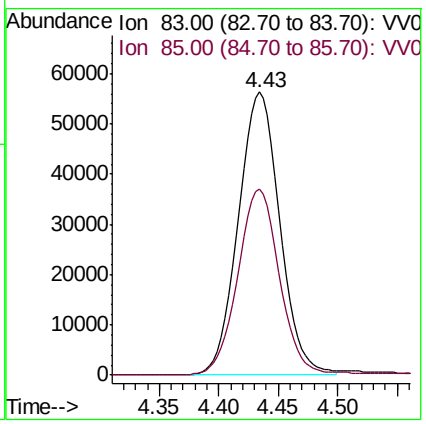


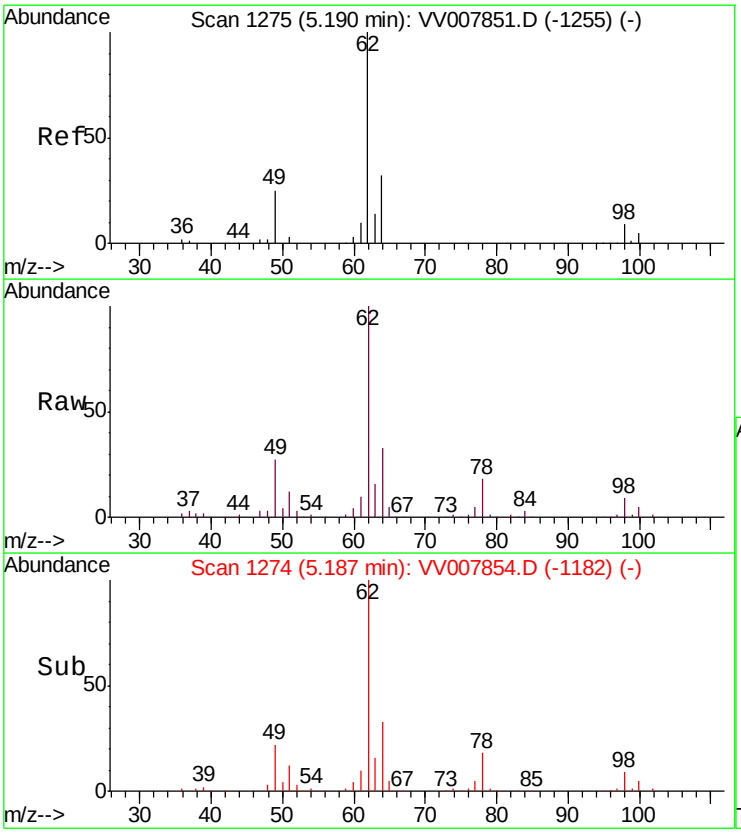

#25
Chloroform
Concen: 48.044 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 83 Resp: 136609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 45.9 | 85.3 |

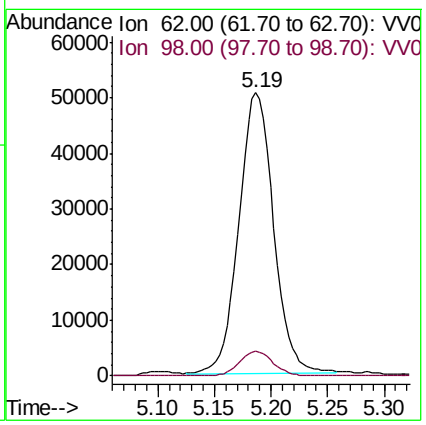


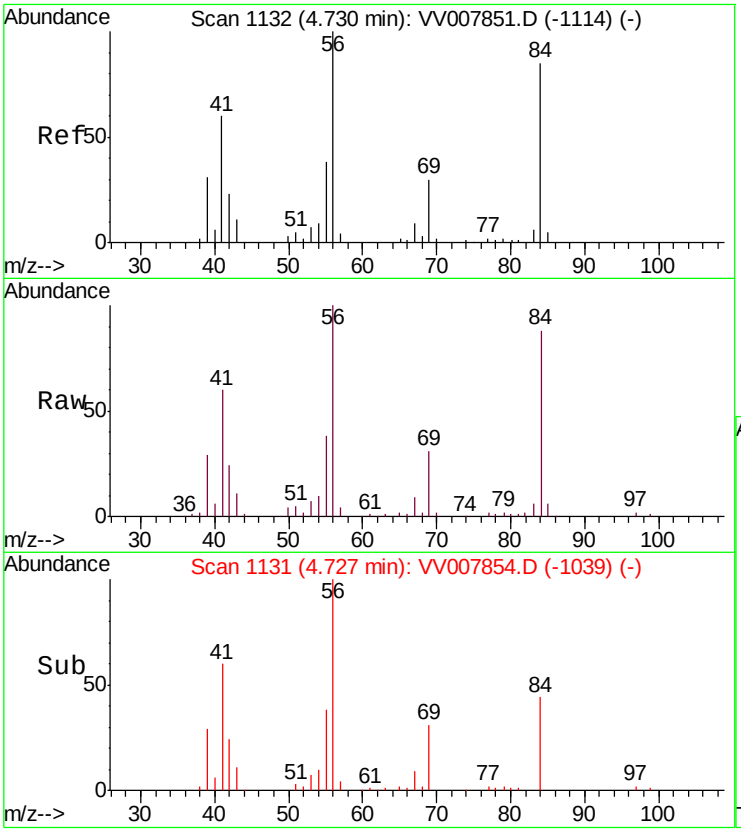




#27
1,2-Dichloroethane
Concen: 48.290 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 62 Resp: 108824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 7.0 | 10.4 |



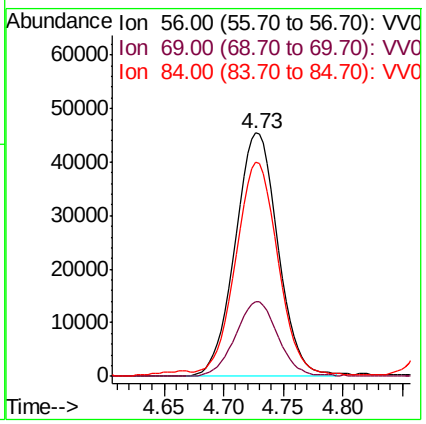


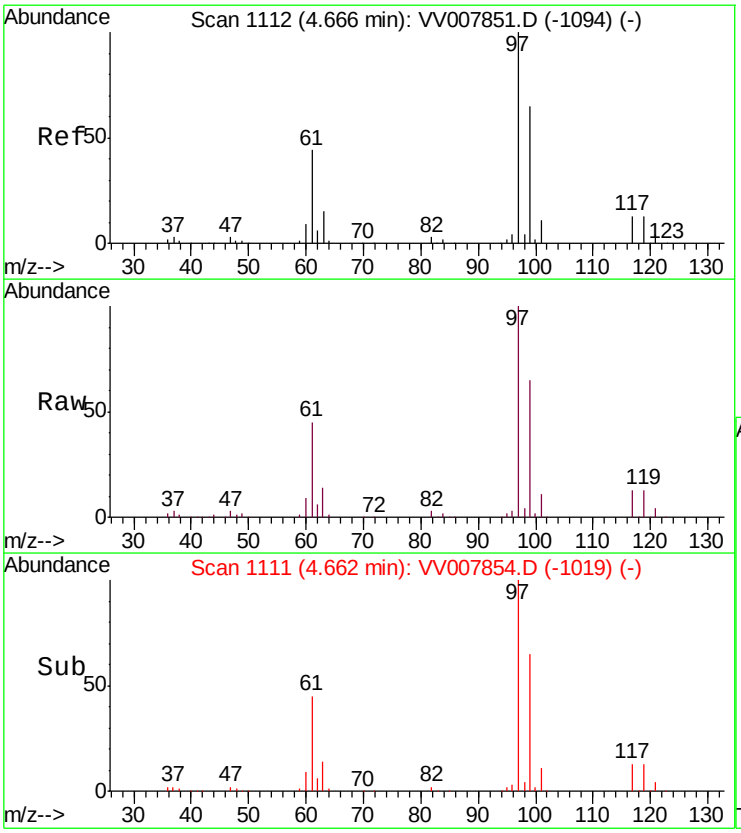

#29
Cyclohexane
Concen: 50.414 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 56 Resp: 113281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 24.1 | 36.1 |
| 84 | 85.8 | 68.2 | 102.4 |

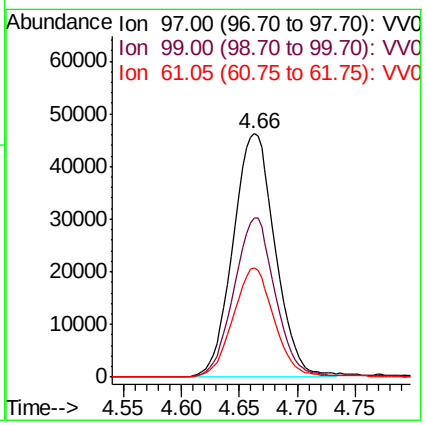


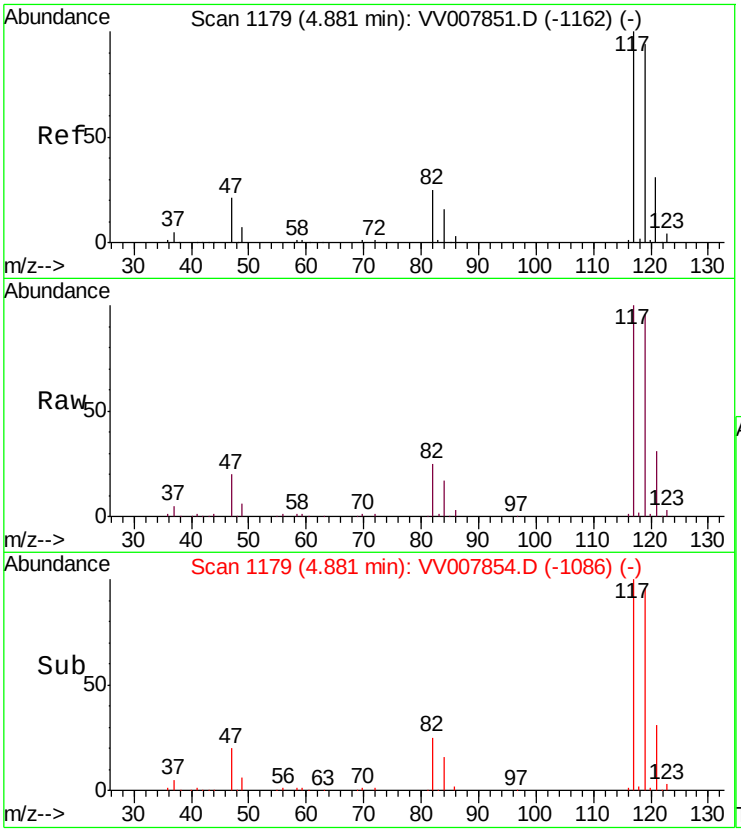




#30
1,1,1-Trichloroethane
Concen: 49.116 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 97 Resp: 116887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 51.0 | 76.6 |
| 61 | 43.4 | 35.0 | 52.4 |



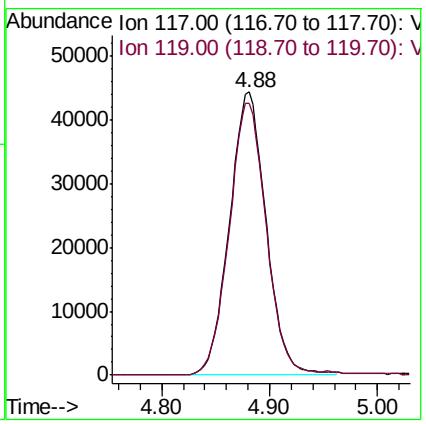


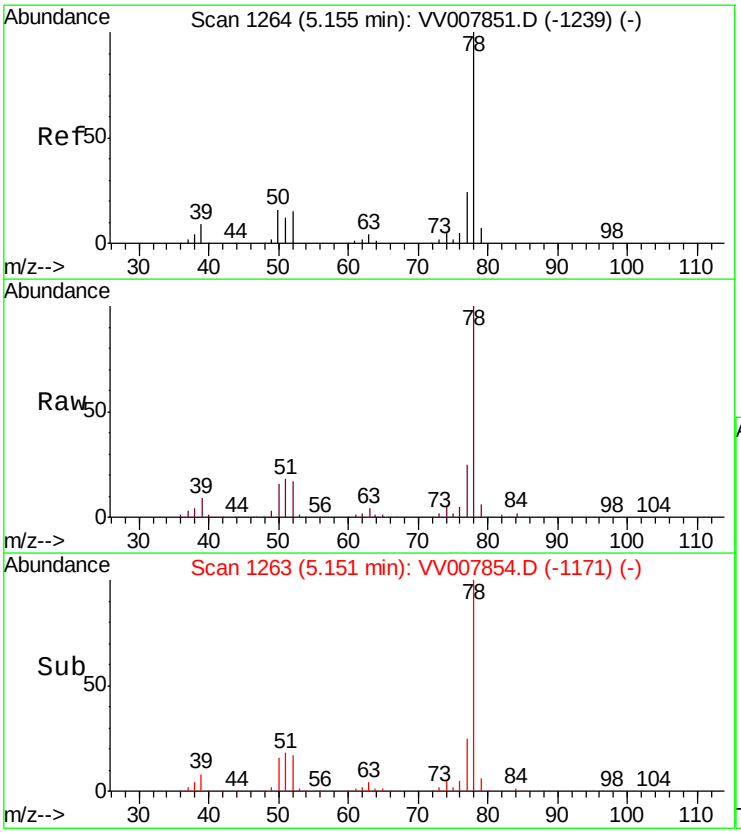

#31
Carbon tetrachloride
Concen: 49.883 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion:117 Resp: 104882

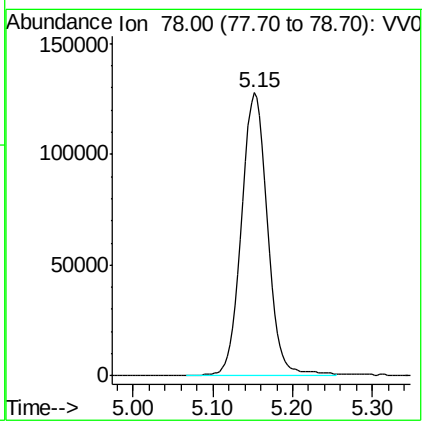
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.9 | 76.2 | 114.2 |

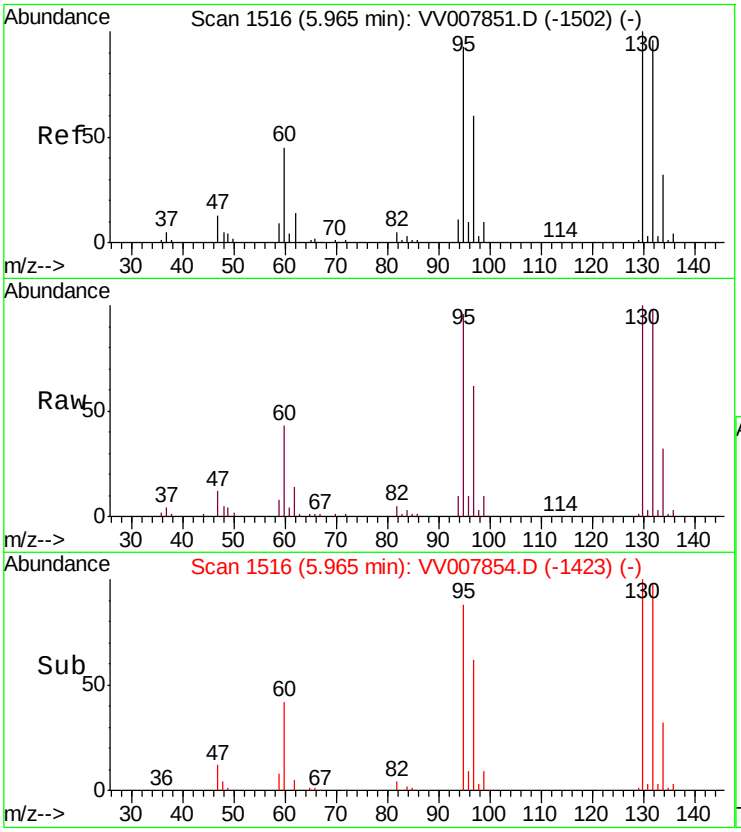



#33
Benzene
Concen: 49.962 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 78 Resp: 282294



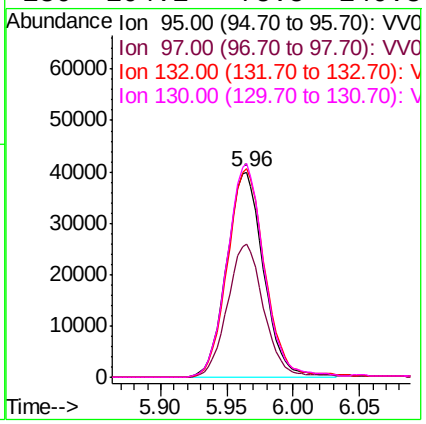


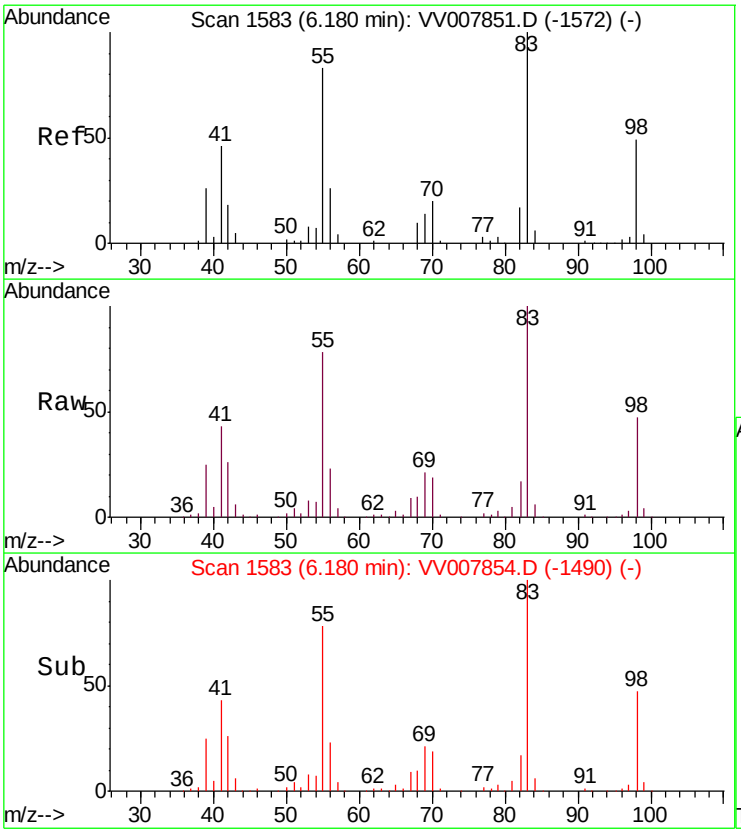

#34
Trichloroethene
Concen: 49.326 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 95 Resp: 77309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.7 | 45.4 | 84.2 |
| 132 | 101.9 | 72.2 | 134.0 |
| 130 | 104.1 | 75.5 | 140.3 |

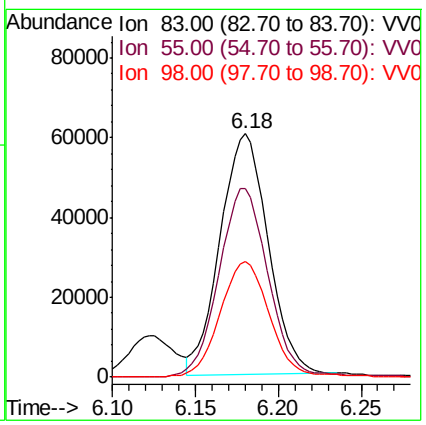


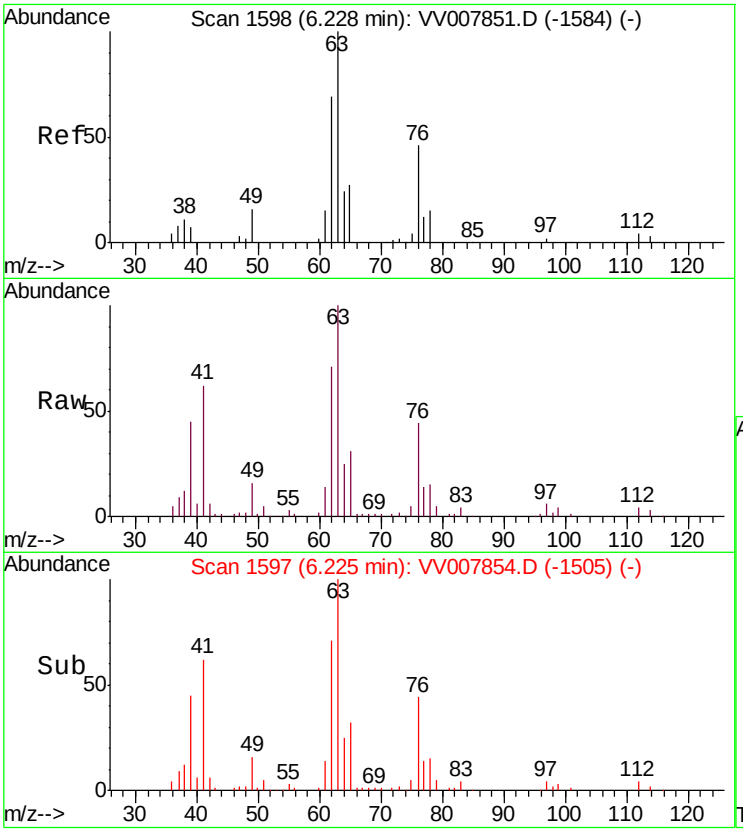




#35
Methylcyclohexane
Concen: 49.310 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 83 Resp: 121247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.2 | 62.6 | 94.0 |
| 98 | 49.8 | 37.6 | 56.4 |



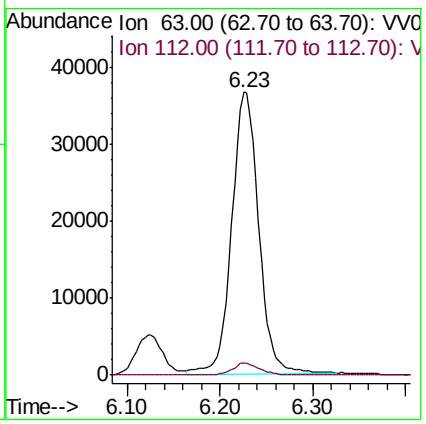


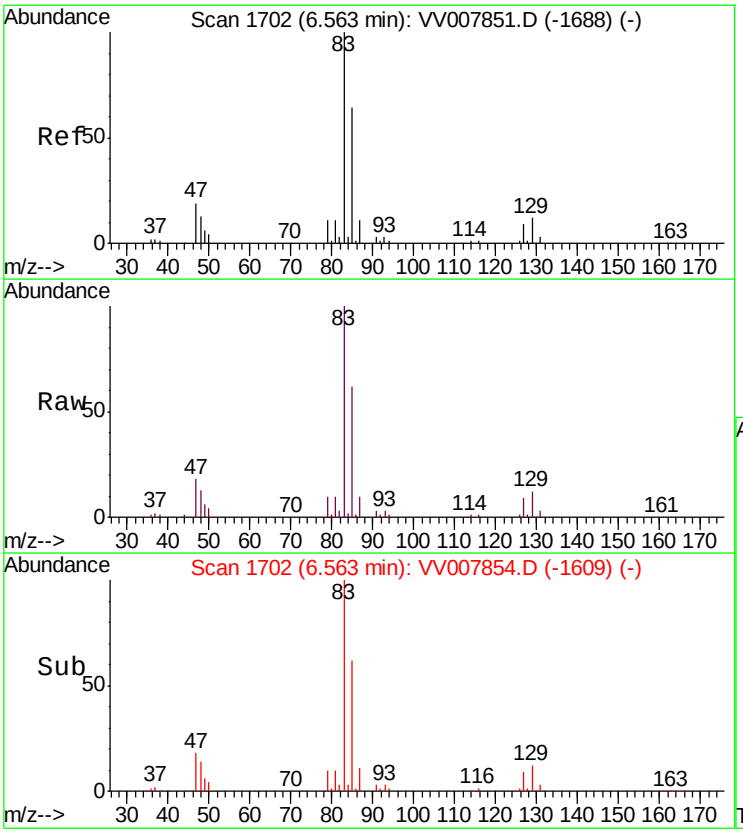

#37
1,2-Dichloropropane
Concen: 48.962 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :** MSVOA_V
**ClientSampleId :** VICV69

Tgt Ion: 63 Resp: 73777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.1 | 3.3 | 4.9 |

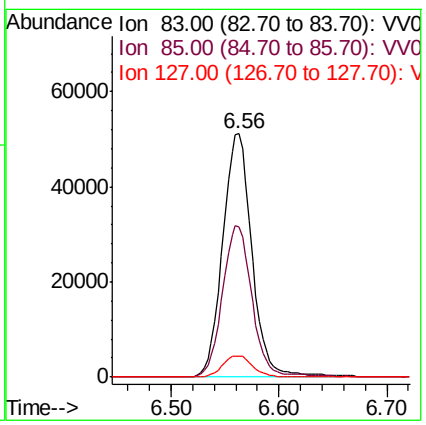


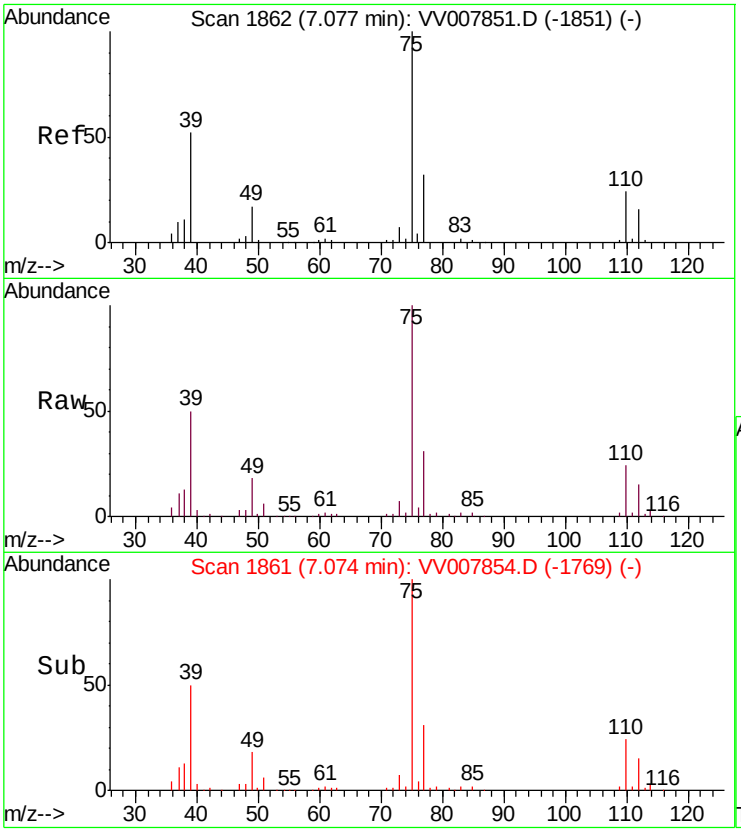




#38
Bromodichloromethane
Concen: 50.742 ug/L
RT: 6.56 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 83 Resp: 96768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.6 | 44.9 | 83.3 |
| 127 | 8.7 | 7.4 | 11.2 |



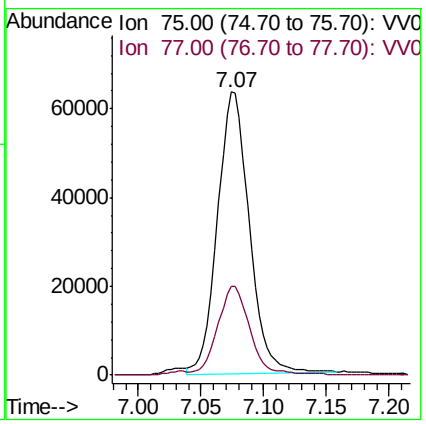


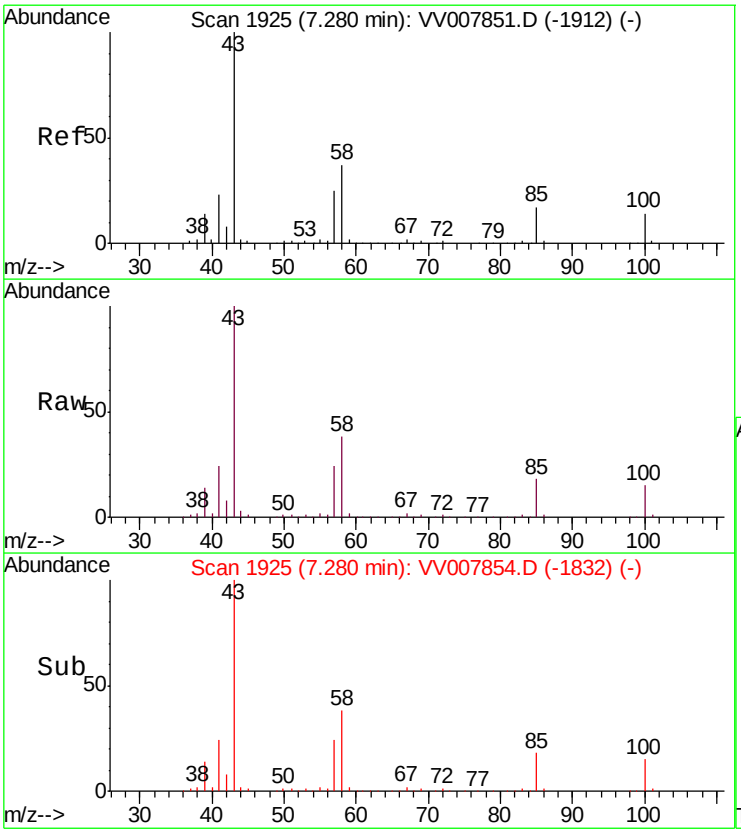

#39
cis-1,3-Dichloropropene
Concen: 50.945 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 75 Resp: 111444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 22.8 | 42.4 |

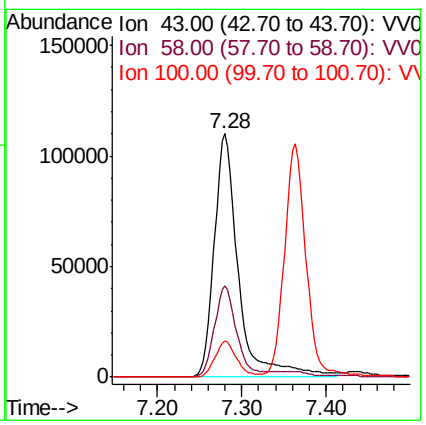


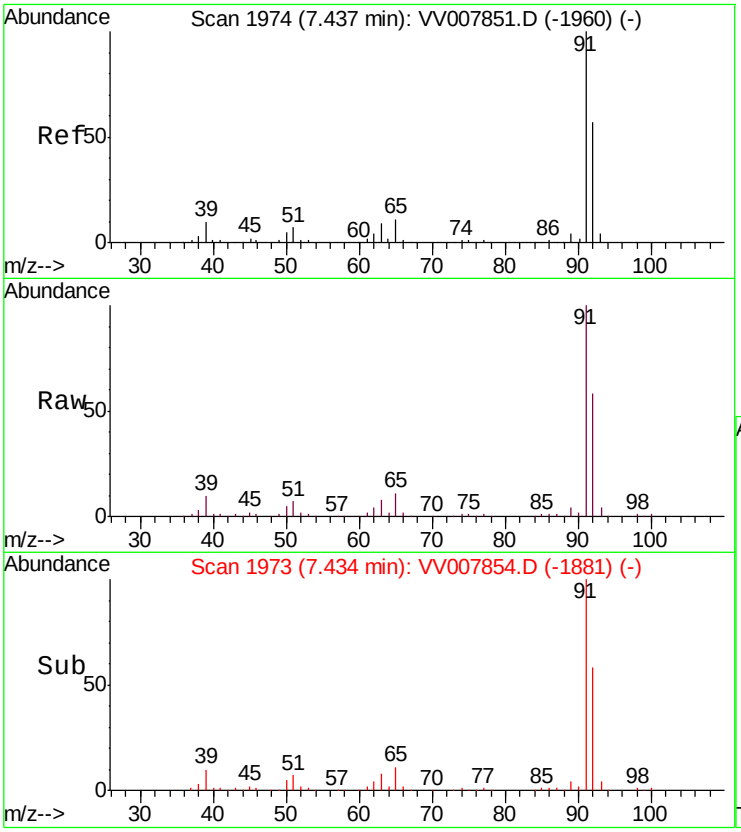




#40
4-Methyl-2-pentanone
Concen: 103.532 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 43 Resp: 220458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.5 | 29.3 | 43.9 |
| 100 | 13.3 | 11.0 | 16.4 |



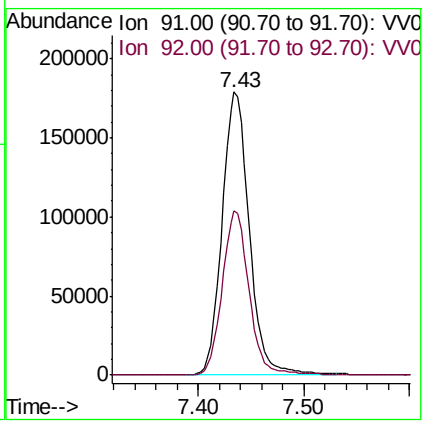


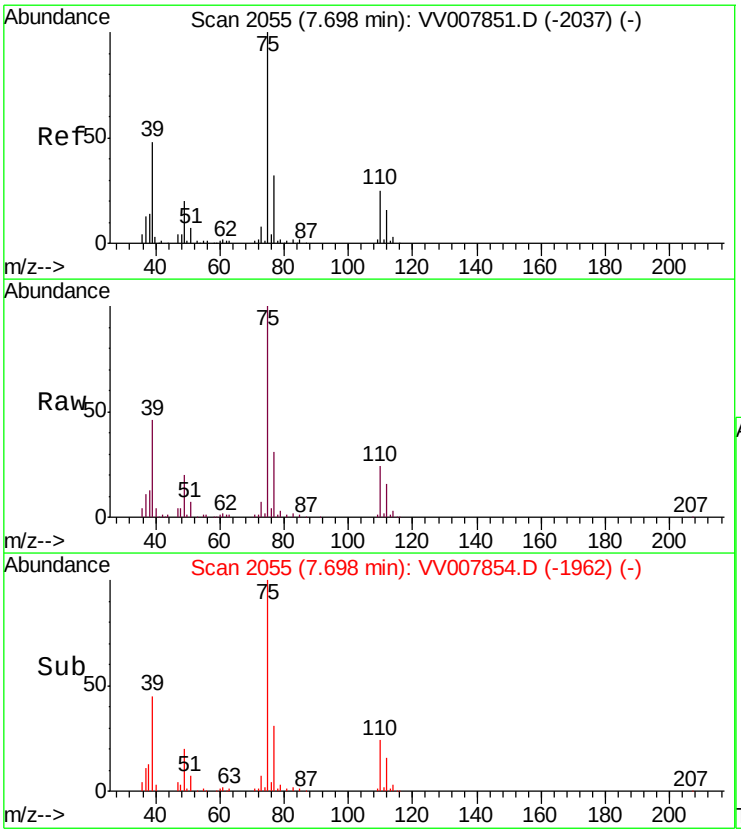

#42
Toluene
Concen: 50.090 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 91 Resp: 318872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.9 | 39.8 | 73.8 |

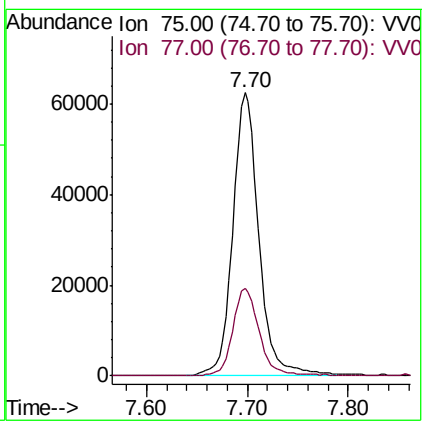


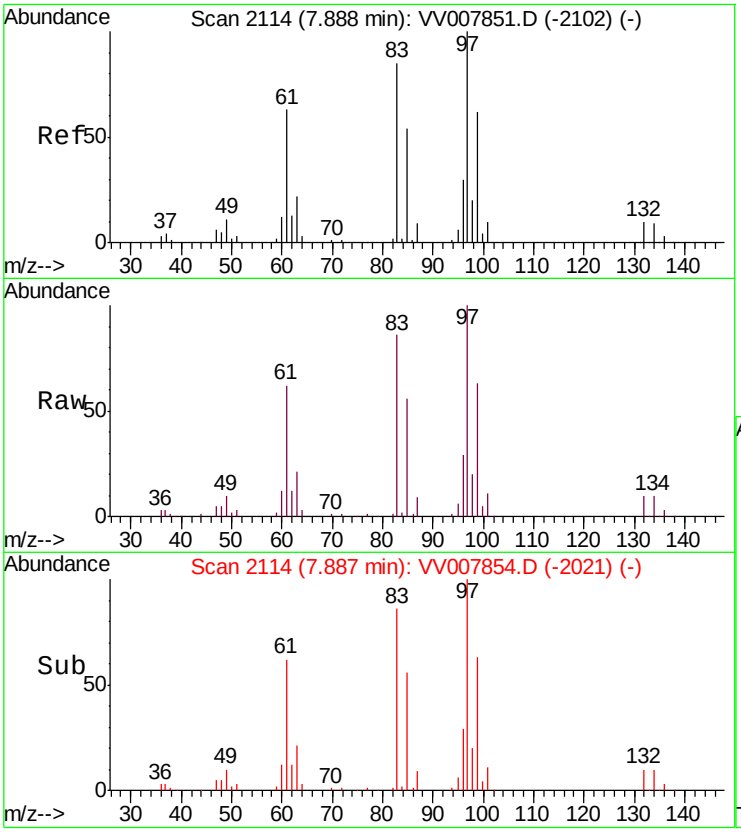




#44
trans-1,3-Dichloropropene
Concen: 51.622 ug/L
RT: 7.70 min Scan# 2055
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 75 Resp: 112237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 22.5 | 41.9 |



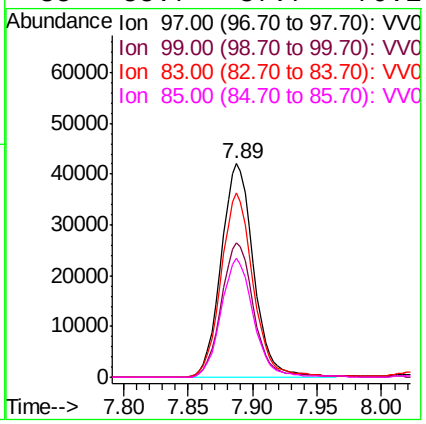


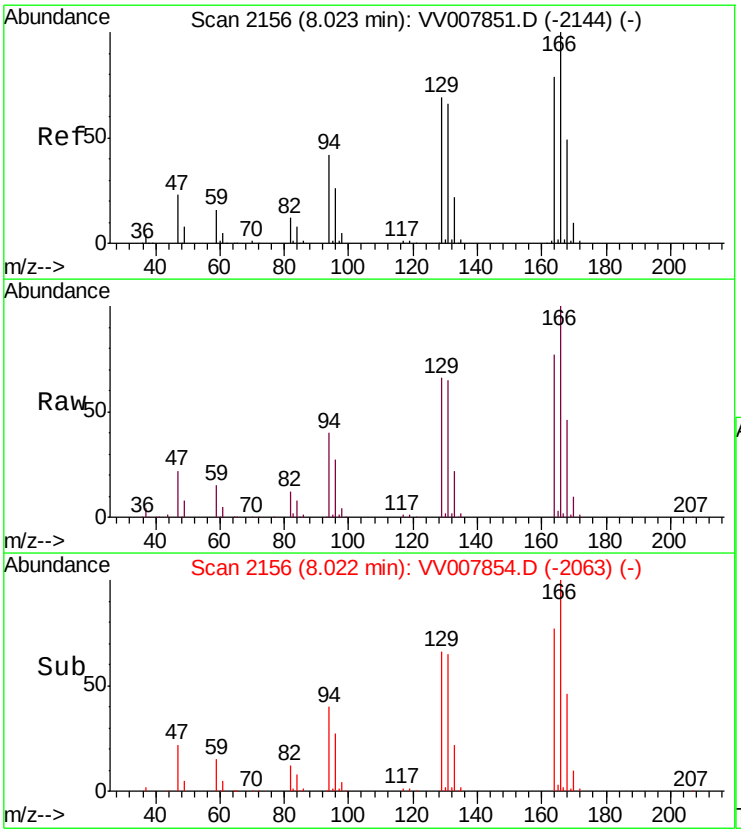

#45
1,1,2-Trichloroethane
Concen: 48.886 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 97 Resp: 73612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.9 | 43.7 | 81.1 |
| 83 | 86.2 | 59.6 | 110.8 |
| 85 | 55.7 | 37.7 | 70.1 |

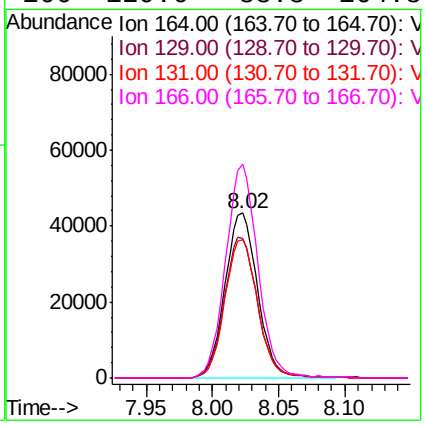


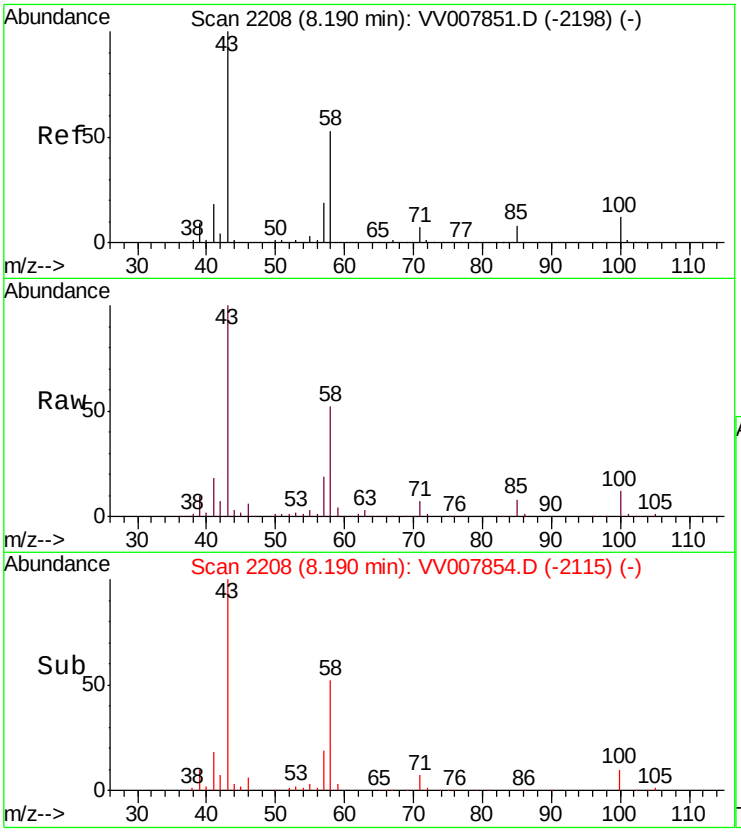




#46
Tetrachloroethene
Concen: 49.500 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:164 Resp: 74549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 85.0 | 60.9 | 113.1 |
| 131 | 84.2 | 58.8 | 109.2 |
| 166 | 129.6 | 88.8 | 164.8 |



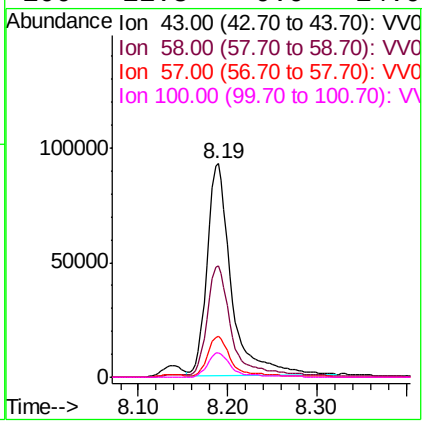


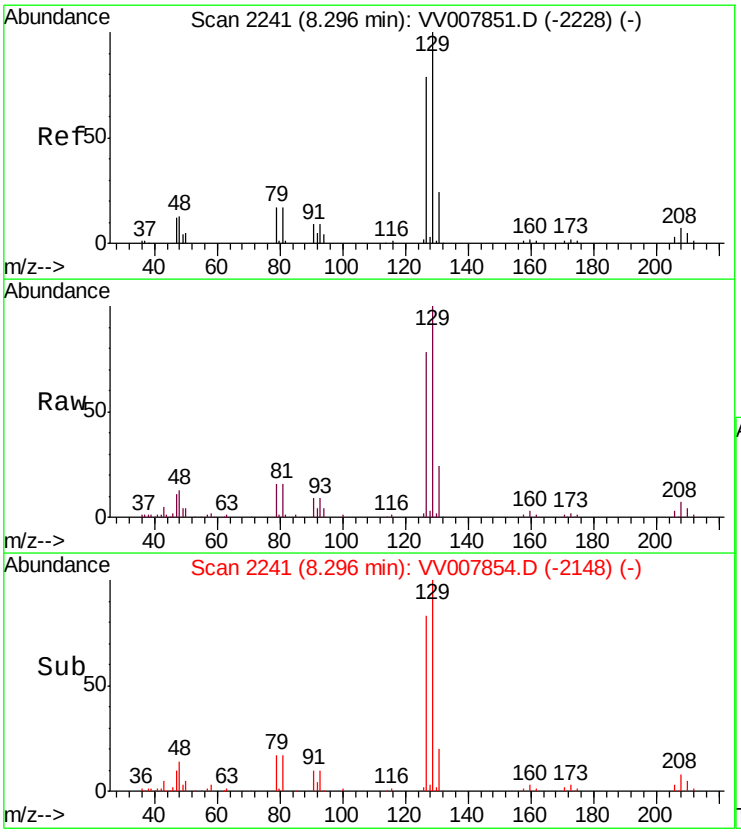

#48
2-Hexanone
Concen: 104.649 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 43 Resp: 176120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.3 | 41.1 | 61.7 |
| 57 | 18.4 | 14.3 | 21.5 |
| 100 | 11.3 | 9.9 | 14.9 |

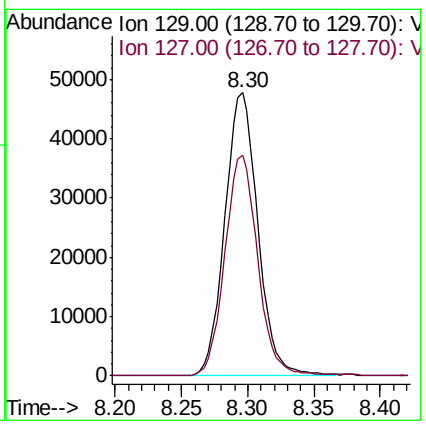


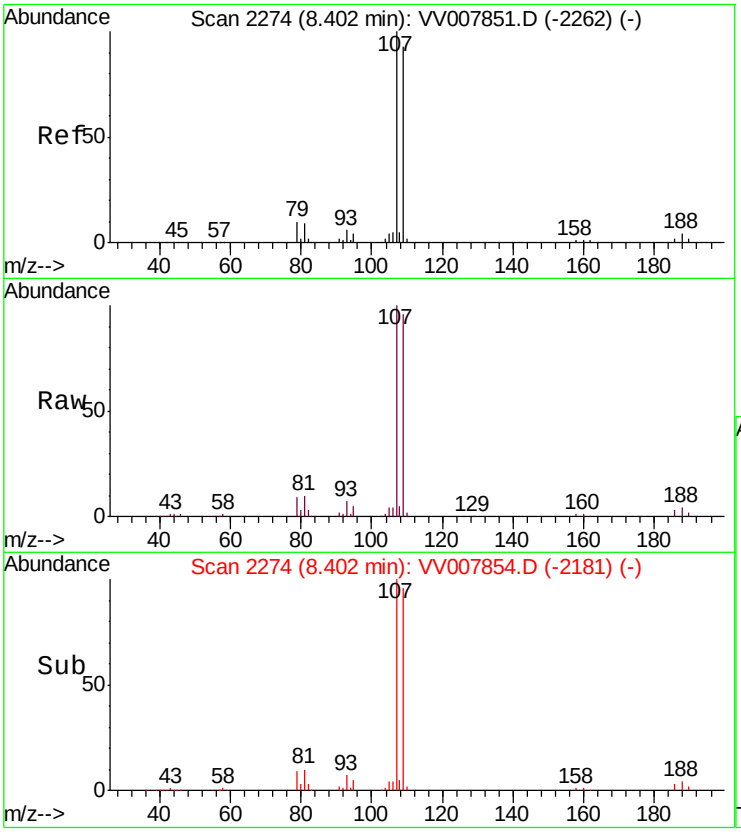




#49
Dibromochloromethane
Concen: 50.360 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:129 Resp: 82916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 55.5 | 103.1 |



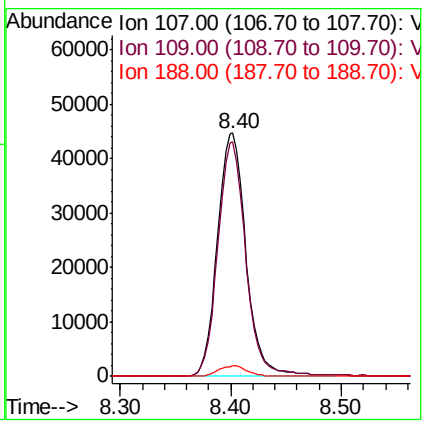


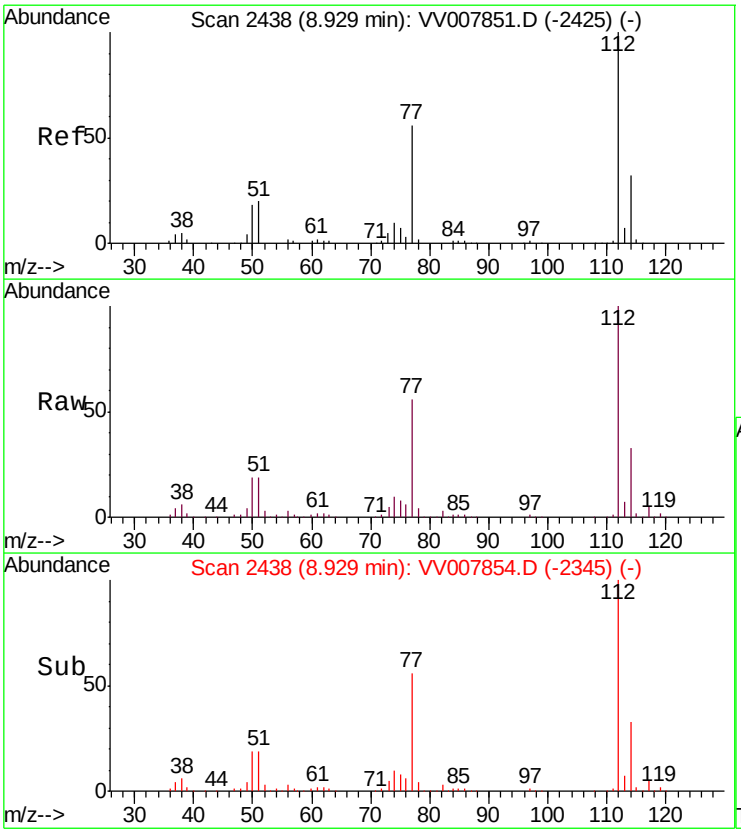

#50
1,2-Dibromoethane
Concen: 49.546 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion:107 Resp: 80220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.2 | 65.3 | 121.3 |
| 188 | 4.3 | 3.5 | 5.3 |

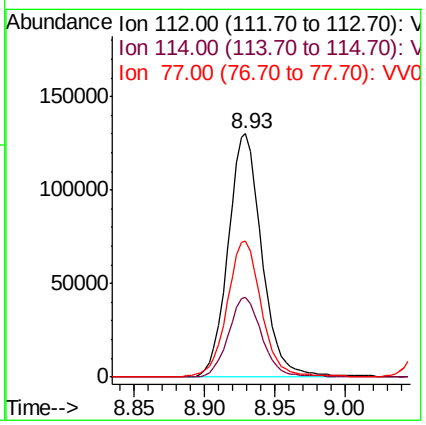


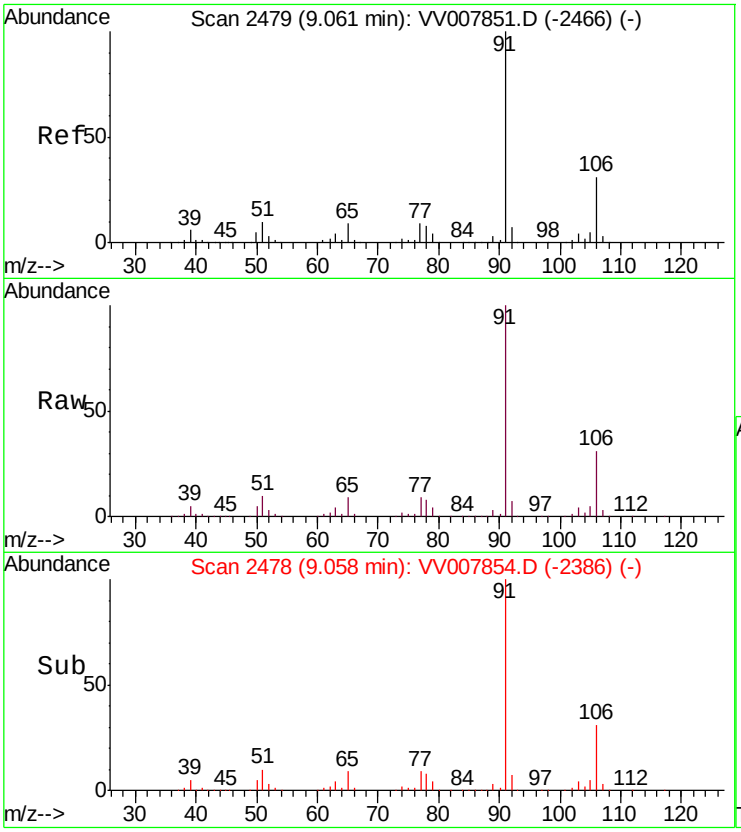




#51
Chlorobenzene
Concen: 49.368 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:112 Resp: 217531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.7 | 22.3 | 41.5 |
| 77 | 55.9 | 45.2 | 67.8 |



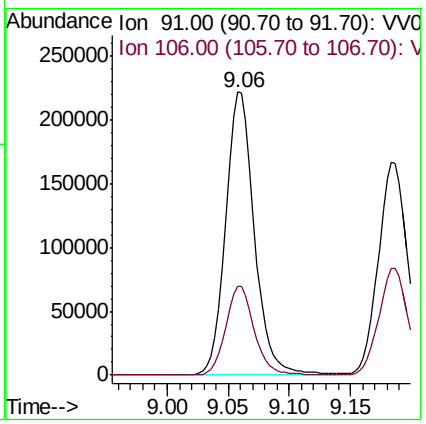


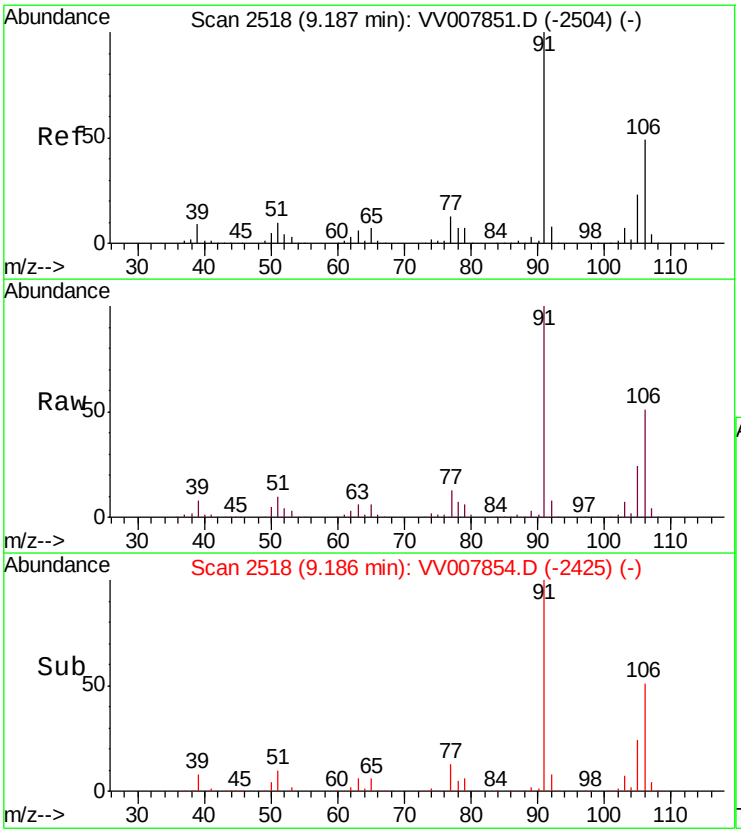

#52
Ethylbenzene
Concen: 50.835 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :** MSVOA_V
**ClientSampleId :** VICV69

Tgt Ion: 91 Resp: 365549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.2 | 21.9 | 40.7 |

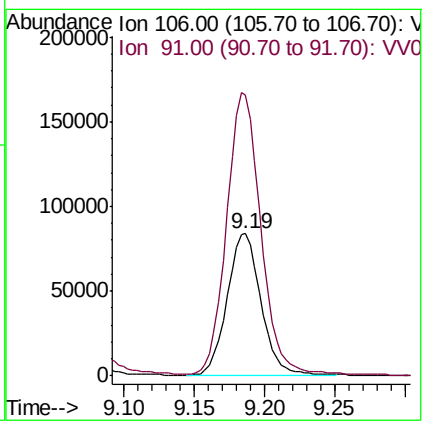


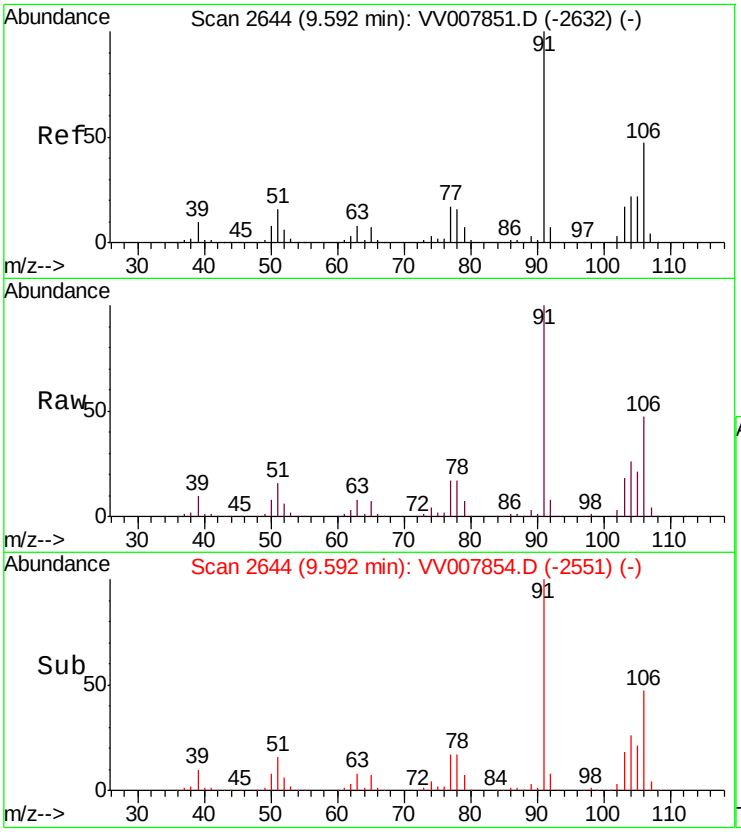




#53
m,p-Xylene
Concen: 51.171 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:106 Resp: 140192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 197.5 | 142.3 | 264.3 |



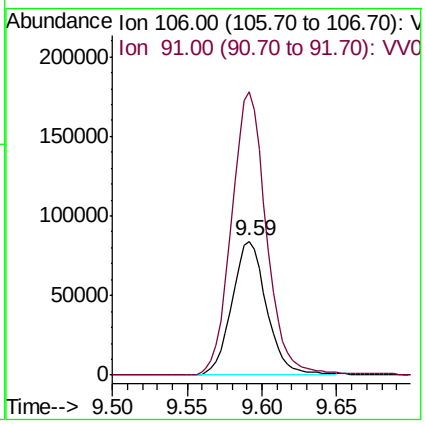


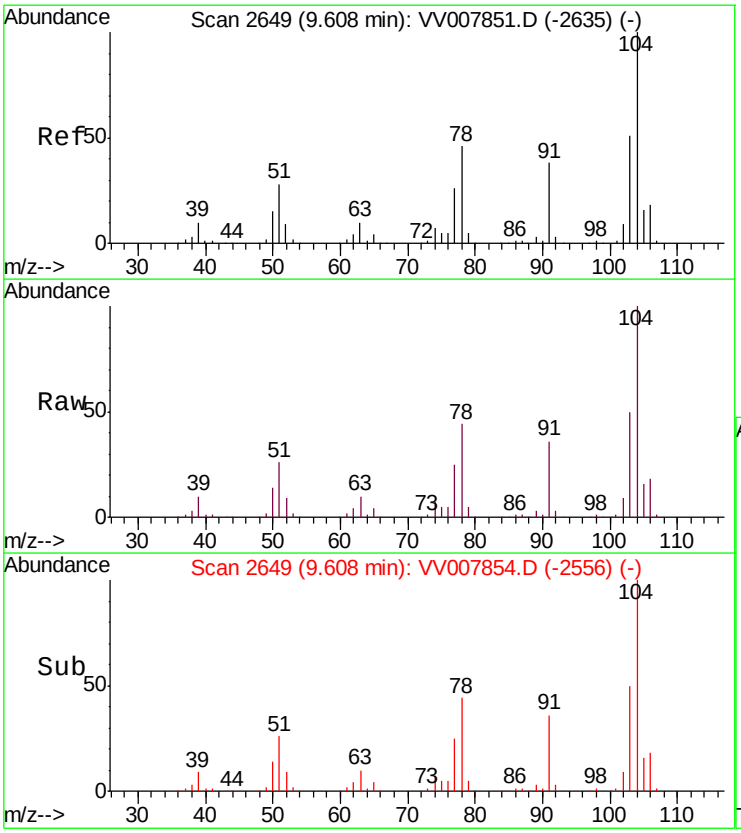

#54
o-xylene
Concen: 51.038 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion:106 Resp: 135829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.1 | 150.6 | 279.6 |

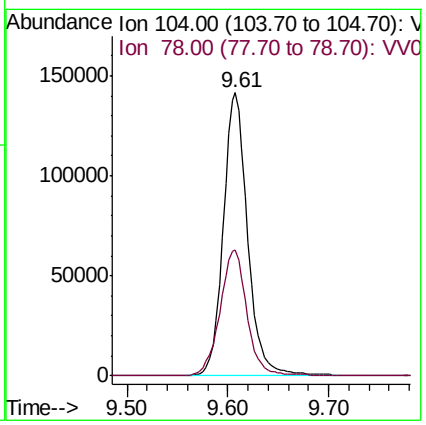


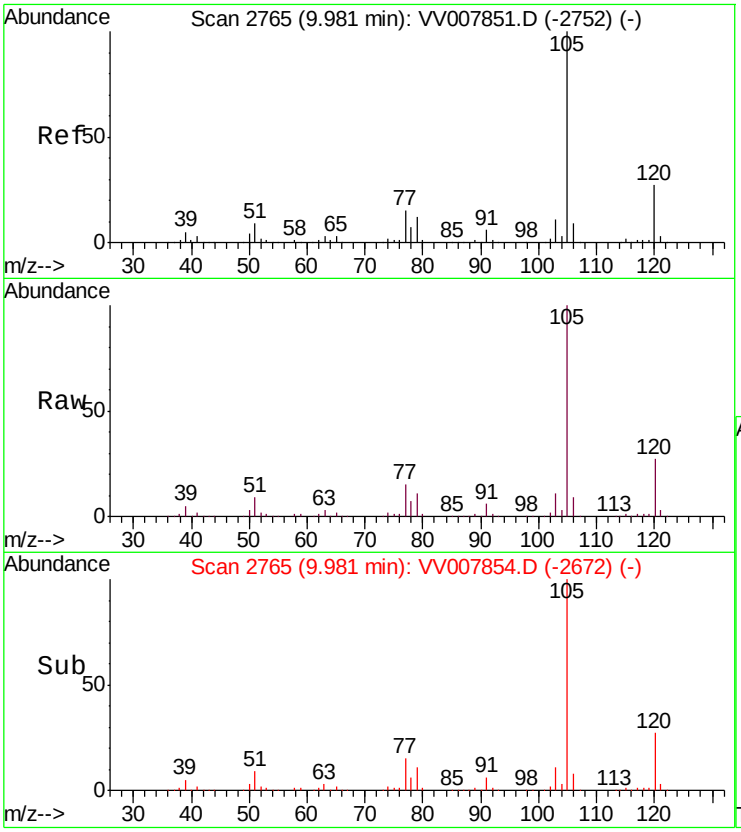




#55
Styrene
Concen: 52.398 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:104 Resp: 238852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 44.4 | 32.3 | 60.1 |



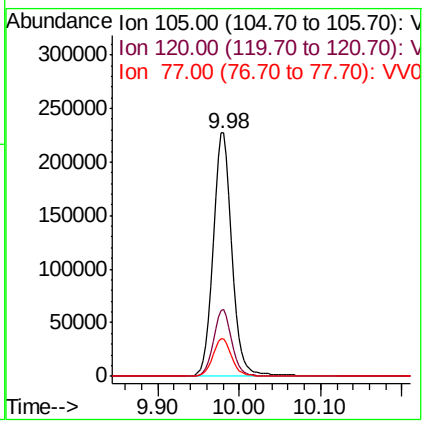


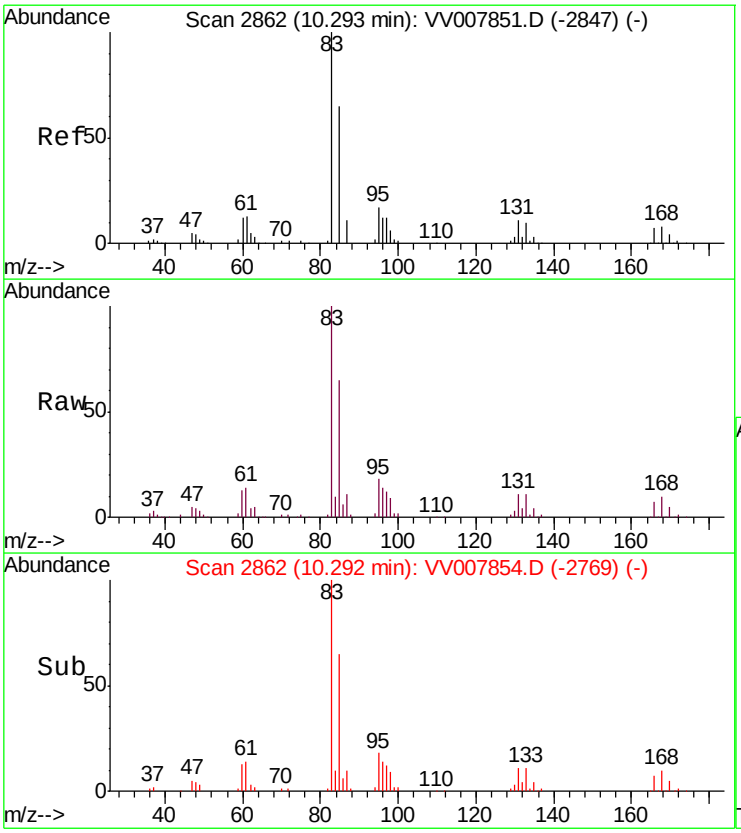

#56
Isopropylbenzene
Concen: 51.222 ug/L
RT: 9.98 min Scan# 2765
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :** MSVOA_V
**ClientSampleId :** VICV69

Tgt Ion:105 Resp: 371553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.0 | 21.0 | 31.6 |
| 77 | 15.6 | 12.5 | 18.7 |

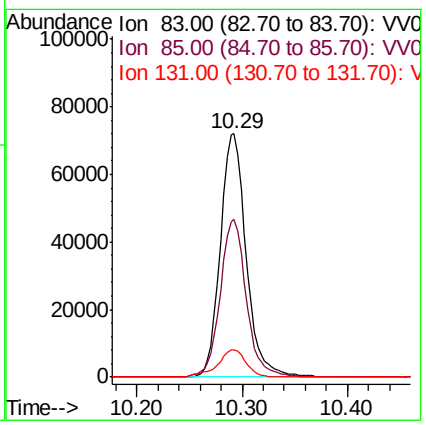


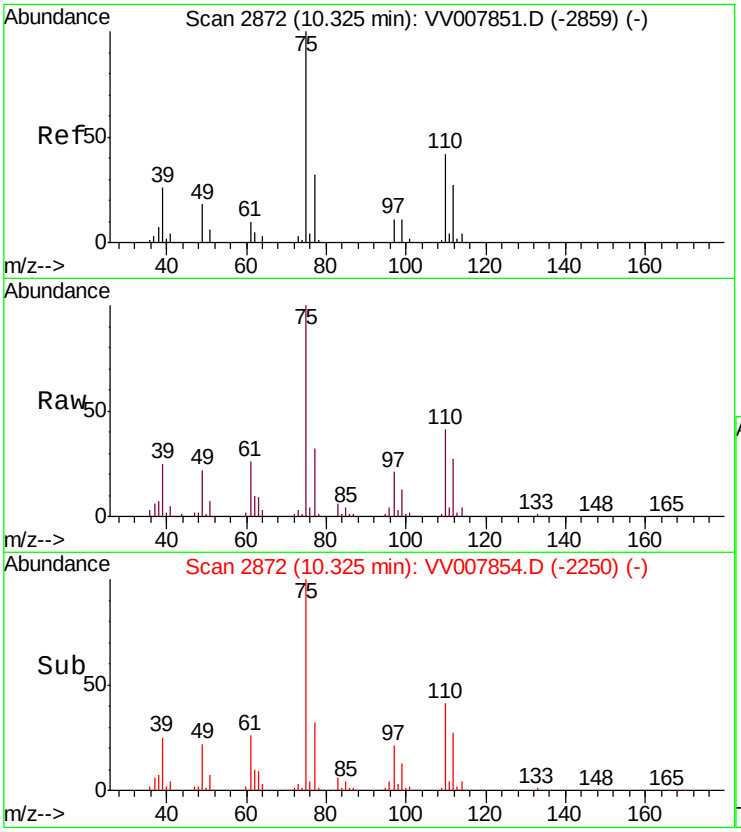




#58
1,1,2,2-Tetrachloroethane
Concen: 49.678 ug/L
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 83 Resp: 122248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 45.8 | 85.0 |
| 131 | 11.4 | 9.0 | 13.4 |



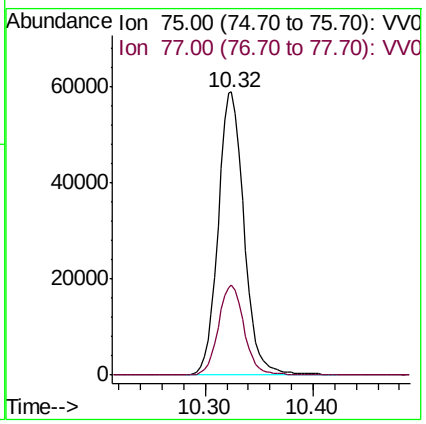


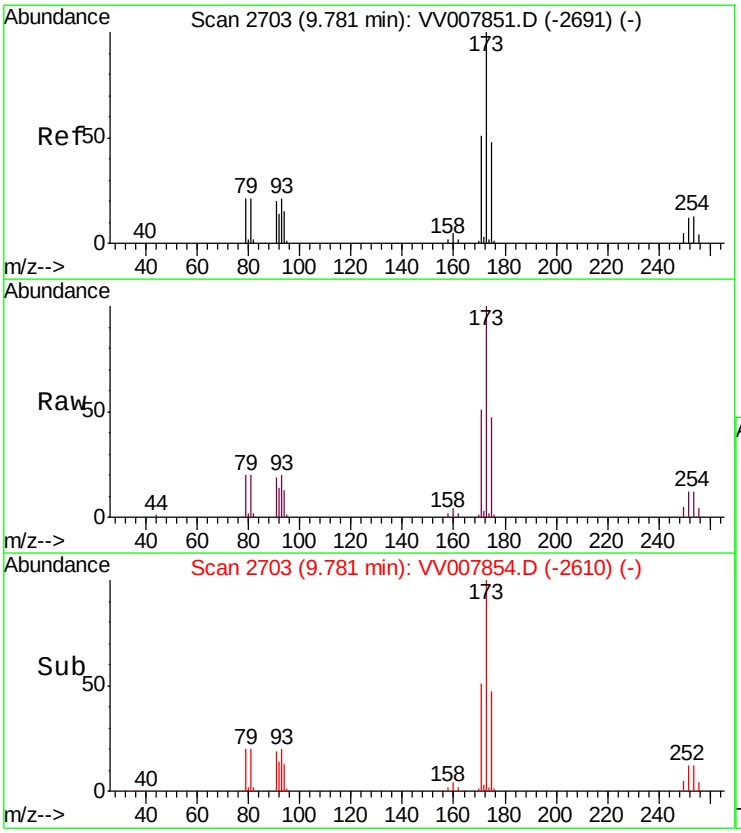

#59
1,2,3-Trichloropropane
Concen: 49.081 ug/L
RT: 10.32 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion: 75 Resp: 98453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.8 | 38.6 |

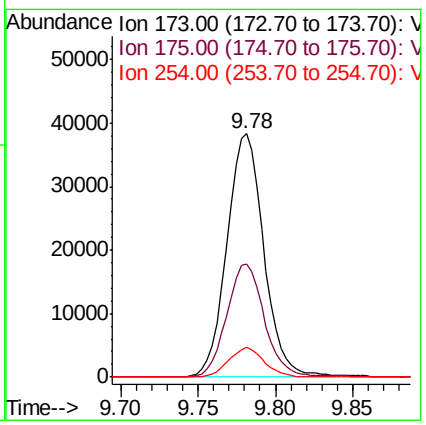


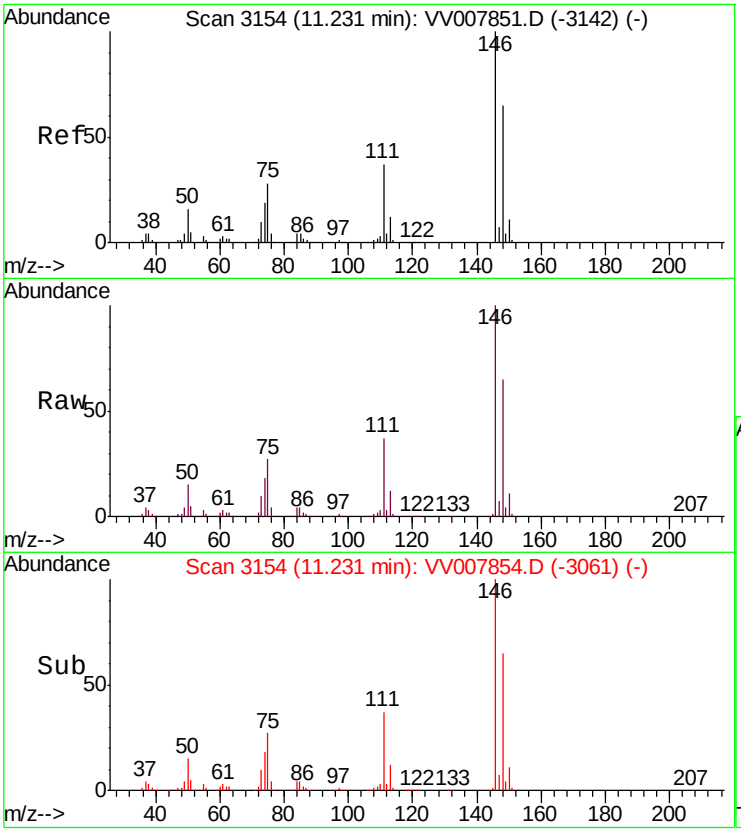




#61
Bromoform
Concen: 50.937 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:173 Resp: 63256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 38.5 | 57.7 |
| 254 | 11.7 | 9.9 | 14.9 |



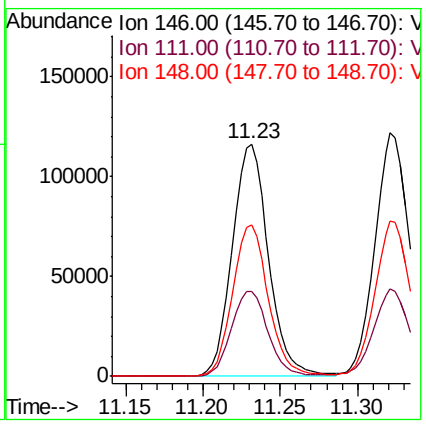


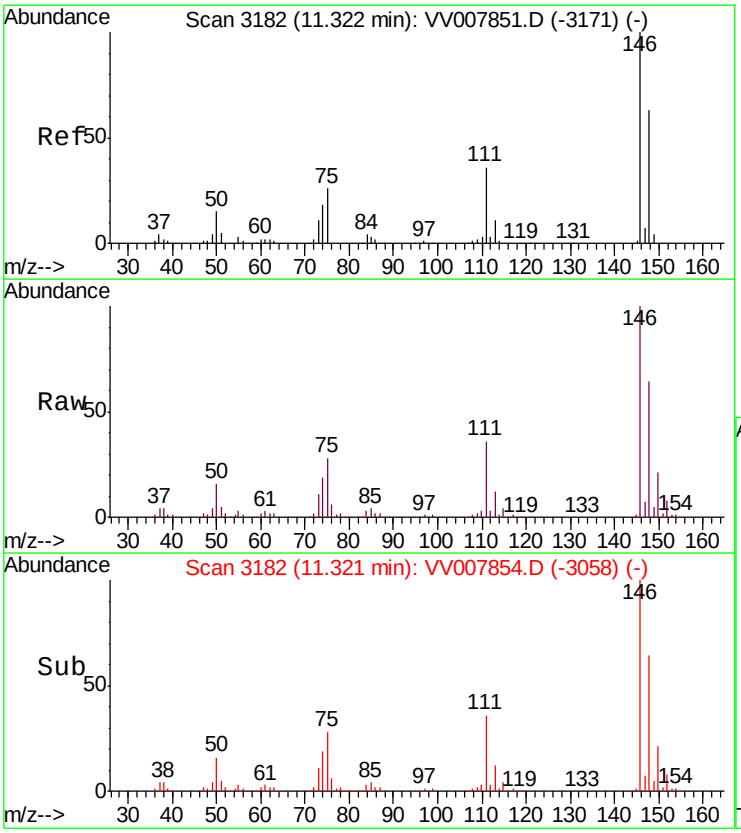

#62
1,3-Dichlorobenzene
Concen: 51.335 ug/L
RT: 11.23 min Scan# 3154
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion:146 Resp: 189149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.7 | 25.6 | 47.4 |
| 148 | 65.4 | 45.4 | 84.2 |

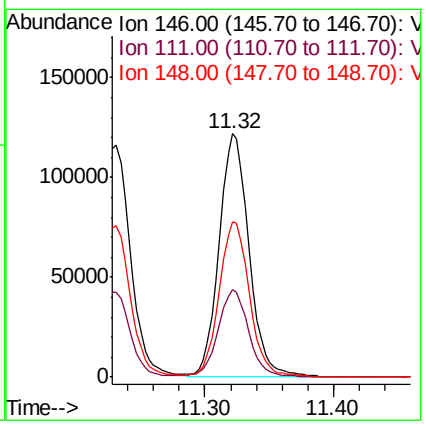


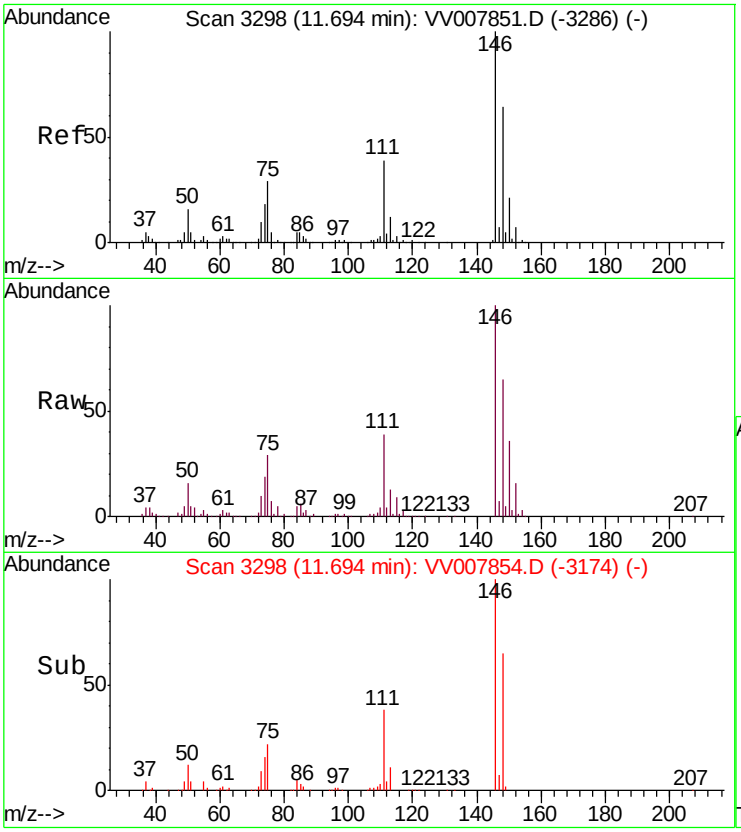




#63
1,4-Dichlorobenzene
Concen: 50.250 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:146 Resp: 196754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.7 | 25.2 | 46.8 |
| 148 | 64.0 | 44.2 | 82.0 |



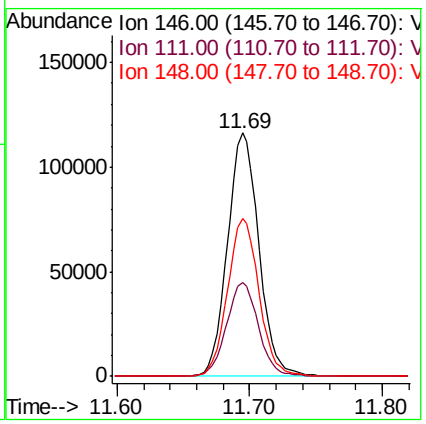


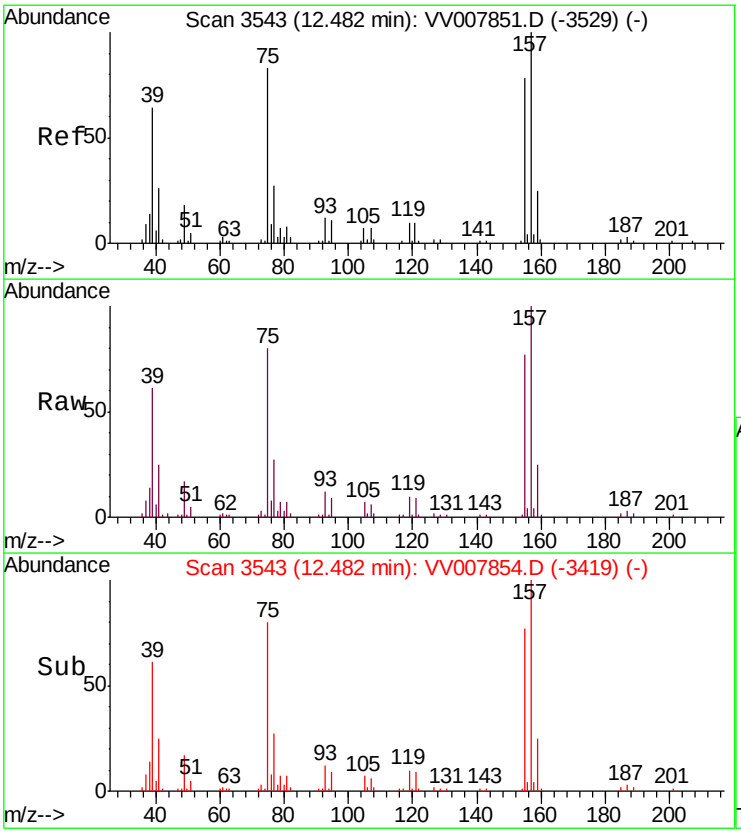

#65
1,2-Dichlorobenzene
Concen: 49.959 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion:146 Resp: 191026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 31.2 | 46.8 |
| 148 | 64.7 | 51.5 | 77.3 |

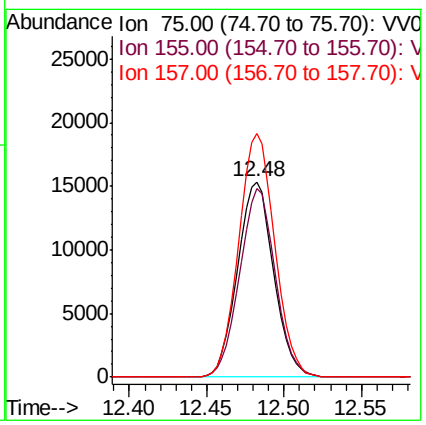


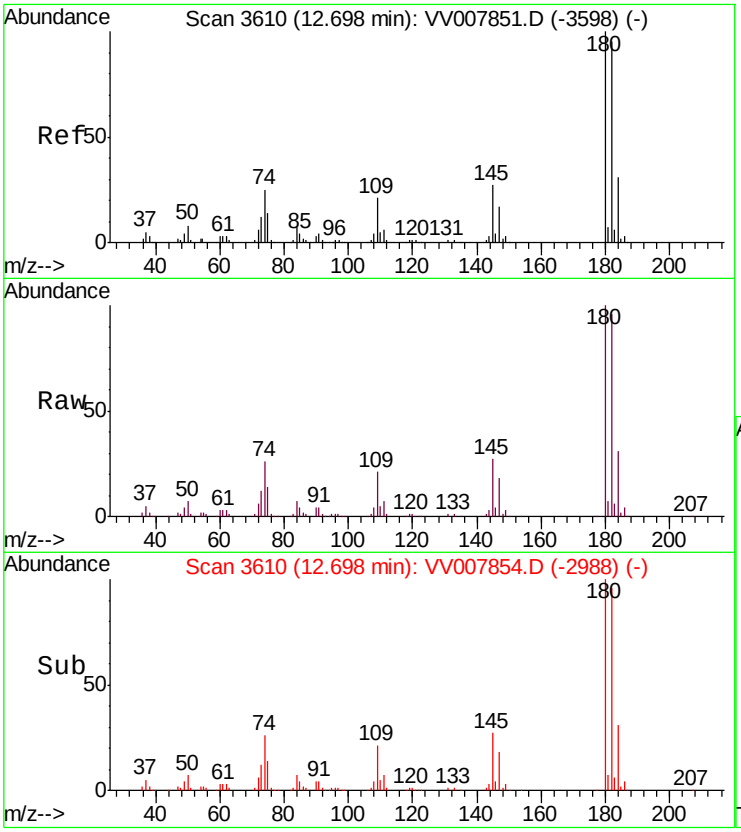




#66
1,2-Dibromo-3-chloropropane
Concen: 49.804 ug/L
RT: 12.48 min Scan# 3543
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion: 75 Resp: 24916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 96.3 | 75.6 | 113.4 |
| 157 | 124.7 | 96.5 | 144.7 |



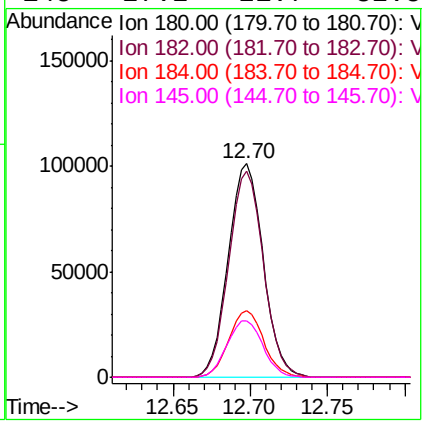


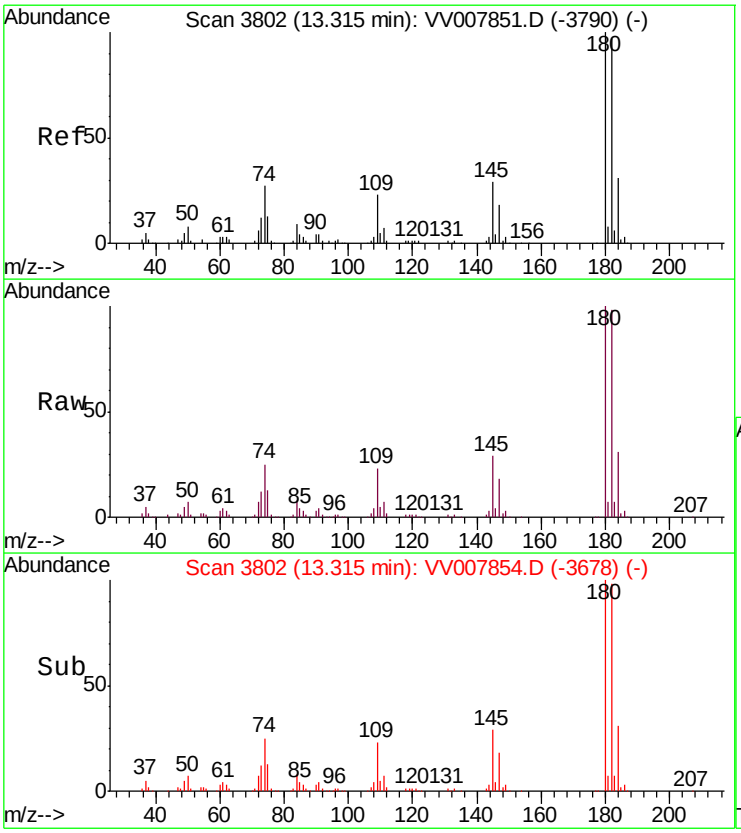

#67
1,3,5-Trichlorobenzene
Concen: 51.146 ug/L
RT: 12.70 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion:180 Resp: 158878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 76.8 | 115.2 |
| 184 | 31.0 | 24.6 | 36.8 |
| 145 | 27.2 | 21.7 | 32.5 |

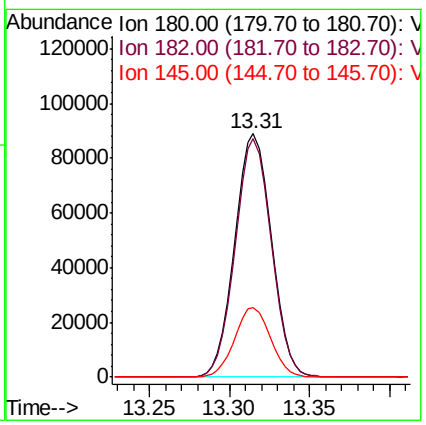


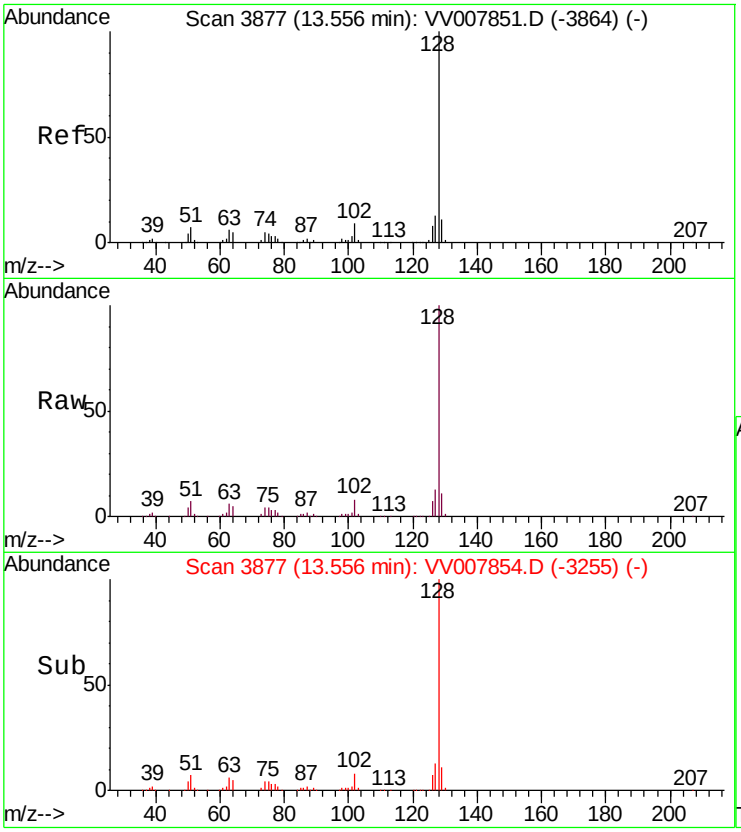




#68
1,2,4-trichlorobenzene
Concen: 53.063 ug/L
RT: 13.31 min Scan# 3802
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:180 Resp: 139074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 76.6 | 115.0 |
| 145 | 28.0 | 22.7 | 34.1 |



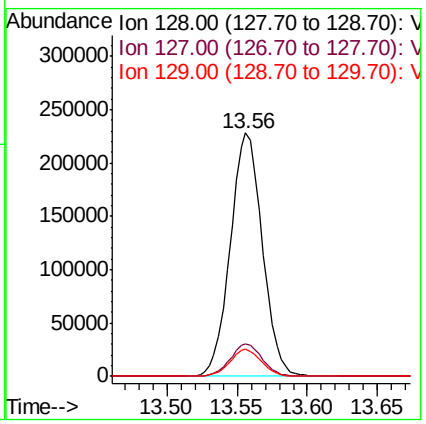


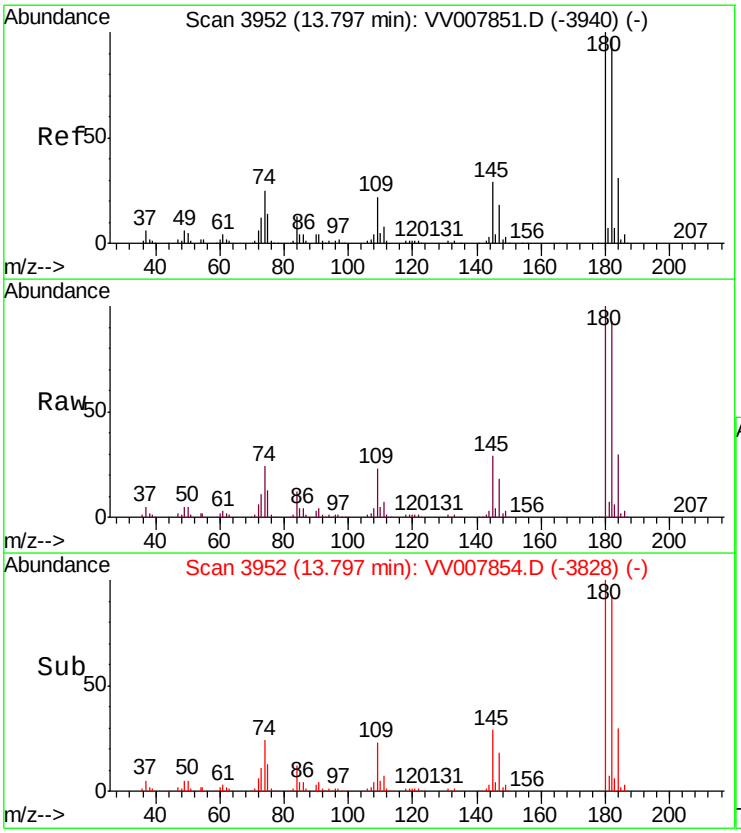

#69
Naphthalene
Concen: 56.705 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

**Instrument :**
MSVOA_V
**ClientSampleId :**
VICV69

Tgt Ion:128 Resp: 363554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.5 | 15.7 |
| 129 | 11.0 | 8.6 | 13.0 |




#70
1,2,3-Trichlorobenzene
Concen: 54.280 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV007854.D
Acq: 25 Sep 2018 14:15

Tgt Ion:180 Resp: 144044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 76.7 | 115.1 |
| 145 | 29.2 | 23.6 | 35.4 |