Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111819\

Quantitation Report (Not Reviewed)

Data File : VV013650.D
Acq On : 18 Nov 2019 10:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00538

Quant Time: Nov 19 04:13:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 18 10:08:39 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 434529 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 413732 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 224998 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 108154 | 4.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 80.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 100407 | 4.19 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 83.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 213705 | 4.44 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 88.80% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 292523 | 47.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 94.26% | | | |
| 24) Chloroform-d | 4.39 | 84 | 255592 | 4.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 86.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 122229 | 4.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 85.80% | | | |
| 32) Benzene-d6 | 5.09 | 84 | 484953 | 4.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.11 | 67 | 147757 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 86.80% | | | |
| 41) Toluene-d8 | 7.35 | 98 | 457971 | 4.27 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 85.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 55474 | 4.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.60% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 222085 | 44.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 89.50% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25 | 84 | 109138 | 4.43 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 88.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 180132 | 4.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 83.20% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.14 | 85 | 209071 | 5.232 | ug/L | 98 |
| 3) Chloromethane | 1.25 | 50 | 196901 | 5.122 | ug/L | 99 |
| 5) Vinyl chloride | 1.32 | 62 | 186104 | 5.081 | ug/L | 98 |
| 6) Bromomethane | 1.53 | 94 | 111762 | 5.007 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 107291 | 5.219 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 254899 | 5.236 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 145635 | 5.446 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 134059 | 5.164 | ug/L | 95 |
| 13) Acetone | 2.22 | 43 | 197440 | 50.413 | ug/L | 94 |
| 14) Carbon disulfide | 2.31 | 76 | 451045 | 5.036 | ug/L | 100 |
| 15) Methyl Acetate | 2.47 | 43 | 54373 | 4.902 | ug/L | 98 |
| 16) Methylene chloride | 2.53 | 84 | 163126 | 4.521 | ug/L | 96 |
| 17) Methyl tert-butyl Ether | 2.80 | 73 | 332321 | 5.012 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 163263 | 5.100 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 293688 | 5.137 | ug/L | 99 |
| 21) 2-Butanone | 4.04 | 43 | 365614 | 55.669 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 169823 | 5.111 | ug/L # | 98 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111819\

Quantitation Report (Not Reviewed)

Data File : VV013650.D
Acq On : 18 Nov 2019 10:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00538

Quant Time: Nov 19 04:13:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 18 10:08:39 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.29 | 128 | 78569 | 5.129 ug/L | 97 |
| 25) Chloroform | 4.42 | 83 | 329242 | 4.252 ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.17 | 62 | 177437 | 5.158 ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.65 | 97 | 259934 | 5.198 ug/L | 99 |
| 30) Cyclohexane | 4.72 | 56 | 260475 | 5.235 ug/L | 98 |
| 31) Carbon tetrachloride | 4.87 | 117 | 238964 | 5.289 ug/L | 97 |
| 33) Benzene | 5.14 | 78 | 658096 | 5.255 ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 174105 | 5.194 ug/L | 99 |
| 35) Methylcyclohexane | 6.17 | 83 | 273896 | 5.357 ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 156217 | 5.209 ug/L | 100 |
| 38) Bromodichloromethane | 6.55 | 83 | 207475 | 4.961 ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 228820 | 5.309 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.27 | 43 | 911095 | 52.224 ug/L | 100 |
| 42) Toluene | 7.42 | 91 | 716744 | 5.357 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 177003 | 5.210 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 109654 | 5.071 ug/L | 96 |
| 47) Tetrachloroethene | 8.01 | 164 | 161918 | 5.213 ug/L | 98 |
| 48) 2-Hexanone | 8.18 | 43 | 637657 | 51.535 ug/L | 98 |
| 49) Dibromochloromethane | 8.29 | 129 | 146490 | 5.336 ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.39 | 107 | 104749 | 5.043 ug/L | 97 |
| 51) Chlorobenzene | 8.92 | 112 | 452110 | 5.096 ug/L | 98 |
| 52) Ethylbenzene | 9.05 | 91 | 754271 | 5.289 ug/L | 100 |
| 53) m,p-xylene | 9.18 | 106 | 293864 | 5.463 ug/L | 99 |
| 54) o-xylene | 9.58 | 106 | 277881 | 5.371 ug/L | 96 |
| 55) Styrene | 9.60 | 104 | 483868 | 5.530 ug/L | 99 |
| 56) Isopropylbenzene | 9.97 | 105 | 759336 | 5.520 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 123537 | 5.150 ug/L | 95 |
| 59) 1,2,3-Trichloropropane | 10.31 | 75 | 94569 | 5.102 ug/L | 99 |
| 61) Bromoform | 9.77 | 173 | 87278 | 5.181 ug/L | 100 |
| 62) 1,3-Dichlorobenzene | 11.22 | 146 | 389225 | 5.161 ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.31 | 146 | 388823 | 5.078 ug/L | 97 |
| 65) 1,2-Dichlorobenzene | 11.68 | 146 | 353110 | 5.027 ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 20115 | 4.796 ug/L | 90 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 316534 | 5.057 ug/L | 100 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 247979 | 4.823 ug/L | 99 |
| 69) Naphthalene | 13.55 | 128 | 323482 | 4.606 ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 236214 | 5.029 ug/L | 98 |

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

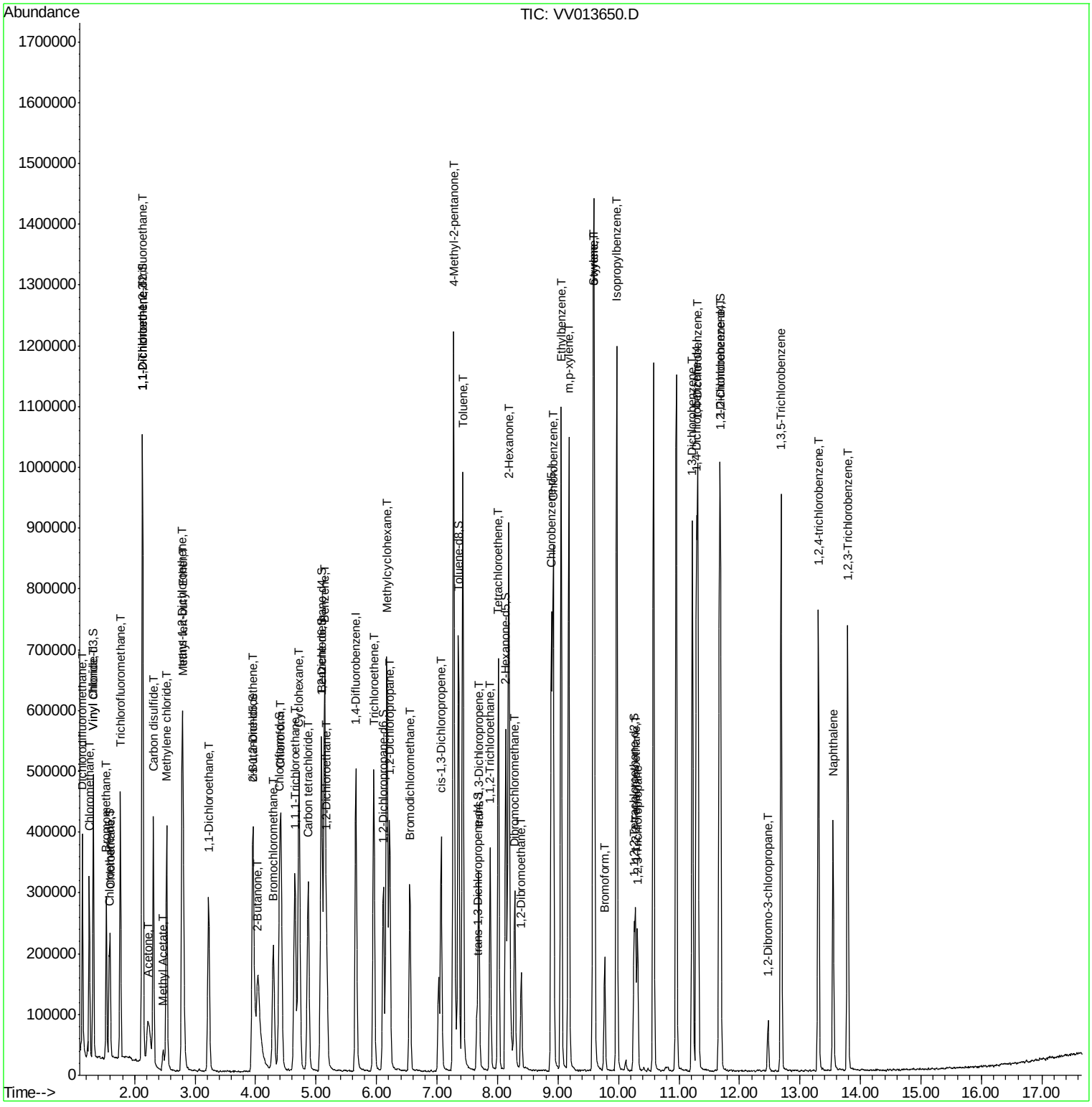
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111819\

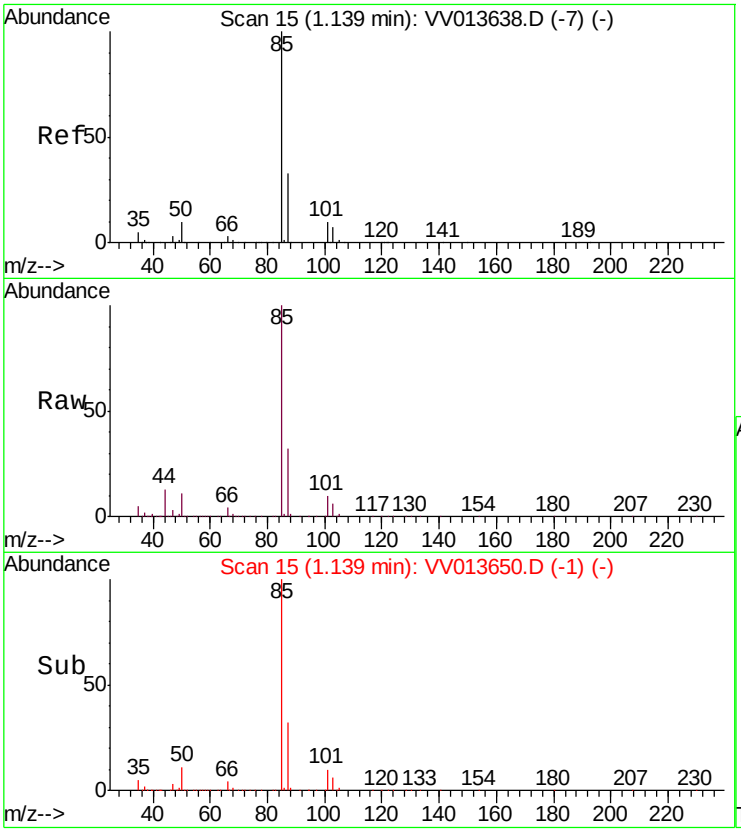
Quantitation Report (Not Reviewed)

Data File : VV013650.D
Acq On : 18 Nov 2019 10:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Quant Time: Nov 19 04:13:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 18 10:08:39 2019
Response via : Initial Calibration



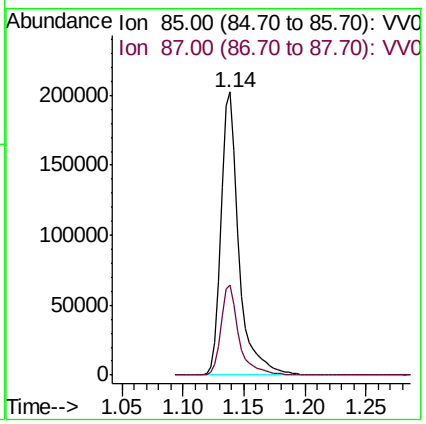


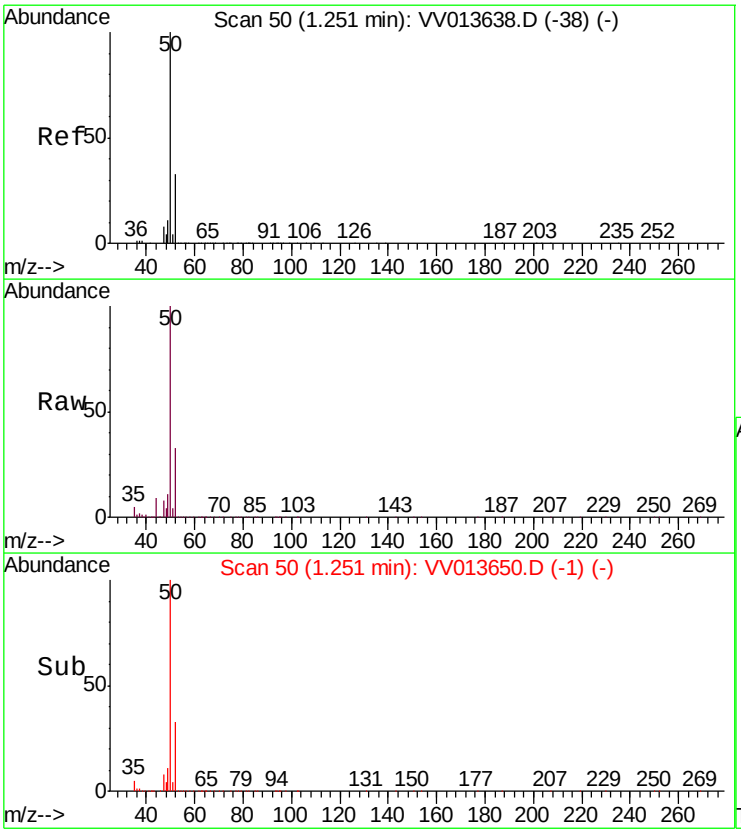

#2
Dichlorodifluoromethane
Concen: 5.232 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 85 Resp: 209071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.6 | 26.0 | 39.0 |

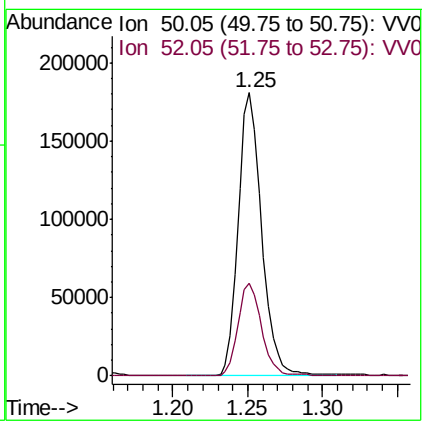


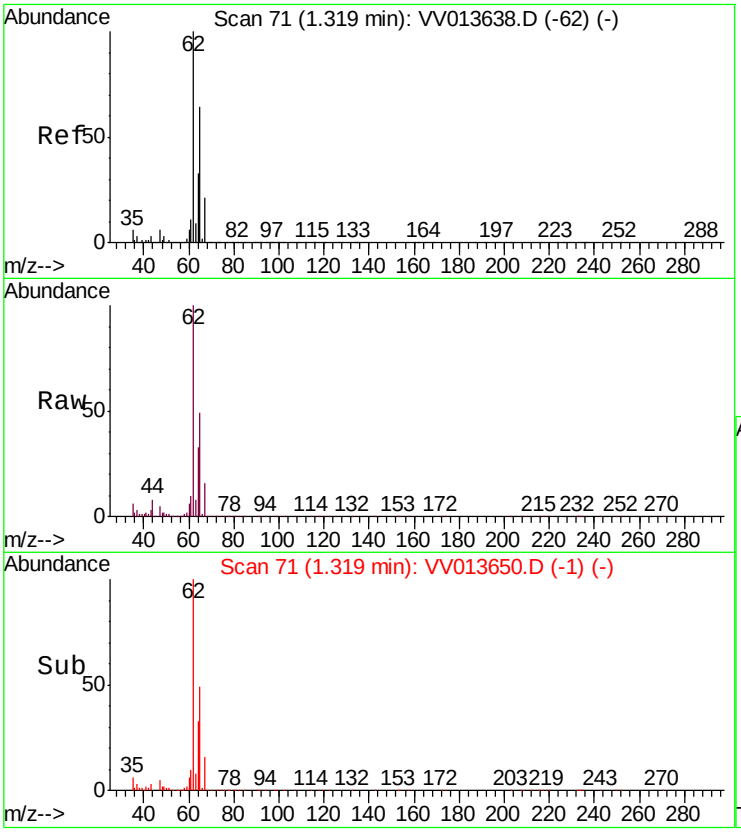




#3
Chloromethane
Concen: 5.122 ug/L
RT: 1.25 min Scan# 50
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 50 Resp: 196901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 23.4 | 43.4 |



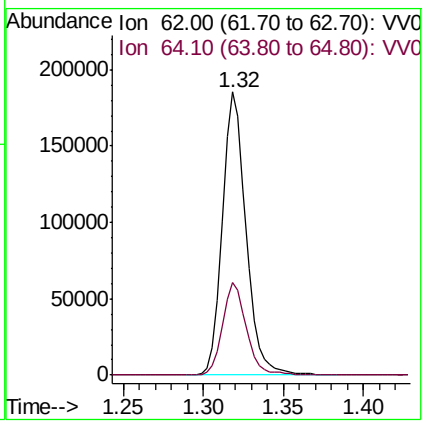


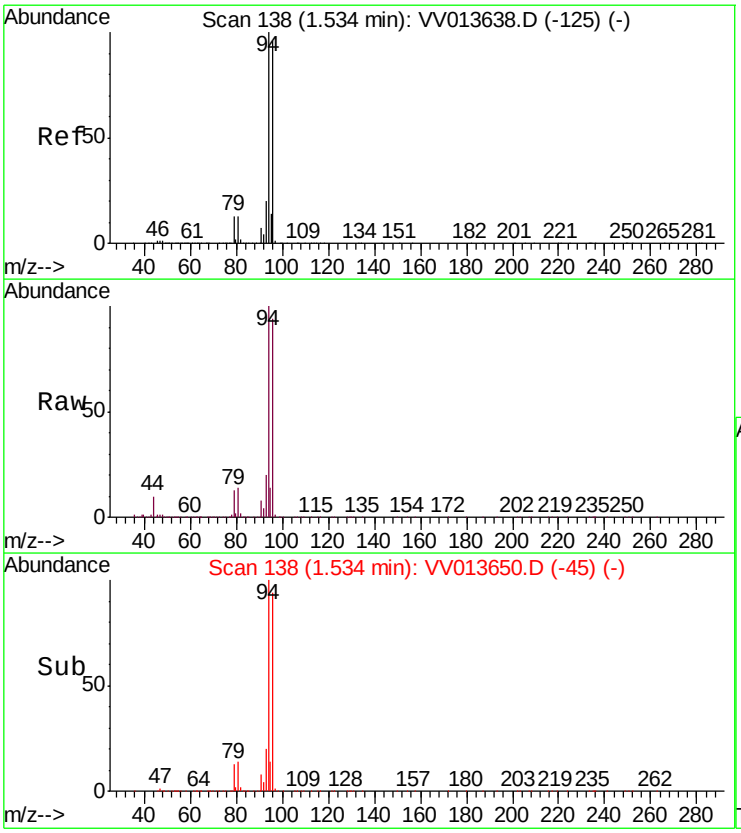

#5
Vinyl chloride
Concen: 5.081 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 62 Resp: 186104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.6 | 23.4 | 43.6 |

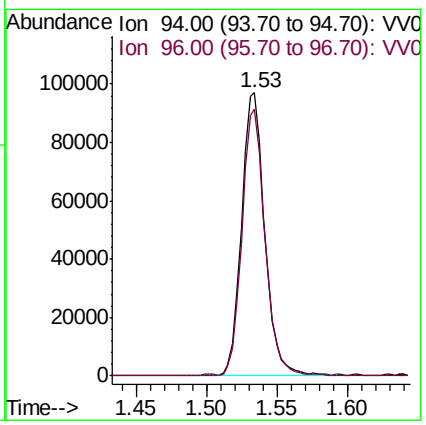


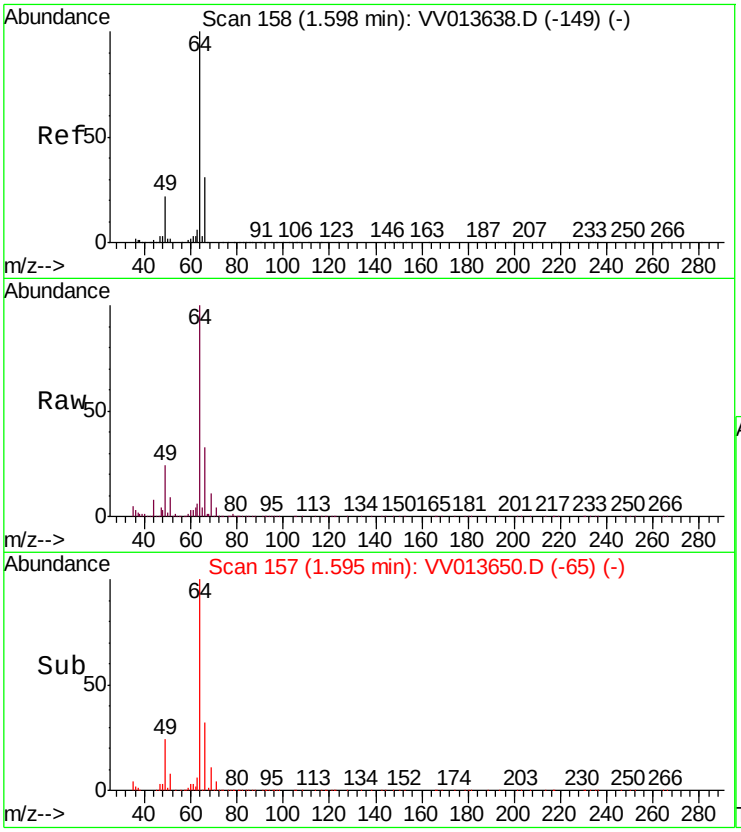




#6
Bromomethane
Concen: 5.007 ug/L
RT: 1.53 min Scan# 138
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 94 Resp: 111762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.0 | 67.0 | 124.4 |



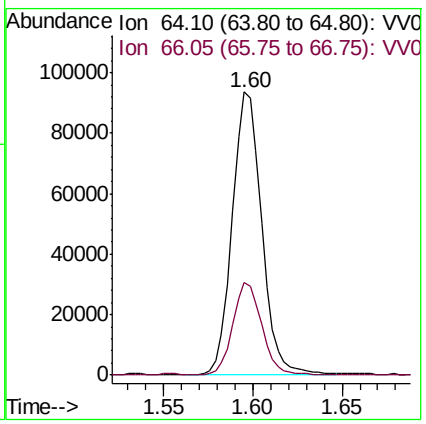


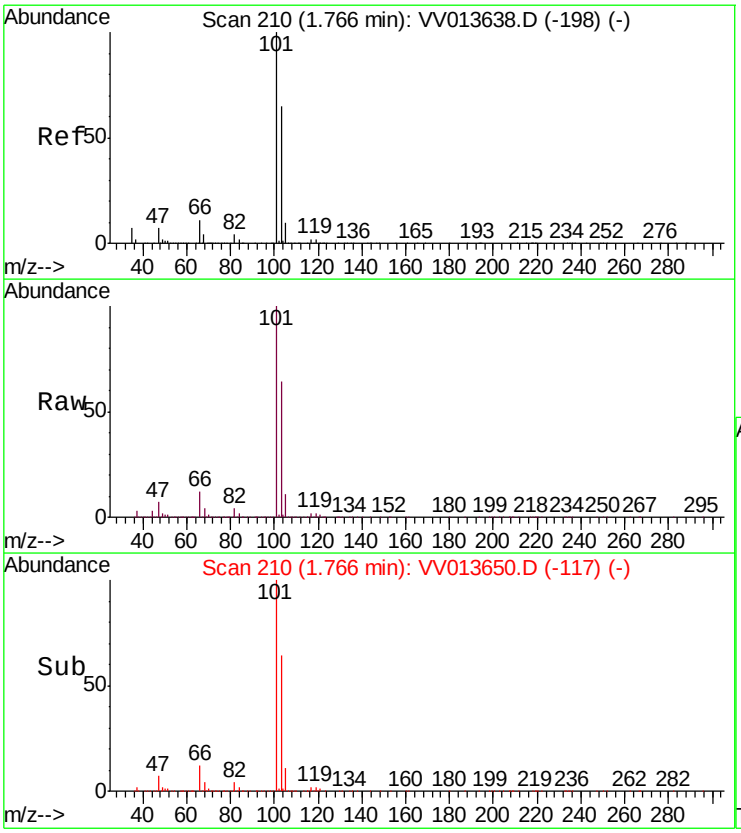

#8
Chloroethane
Concen: 5.219 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 64 Resp: 107291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.6 | 21.9 | 40.7 |

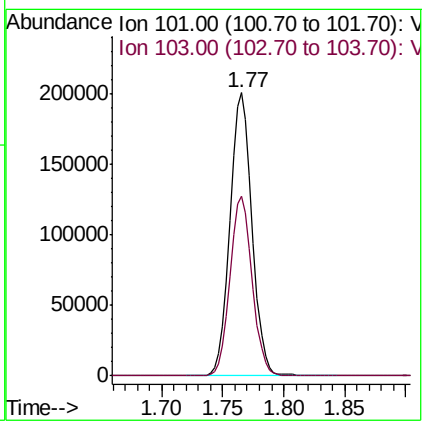


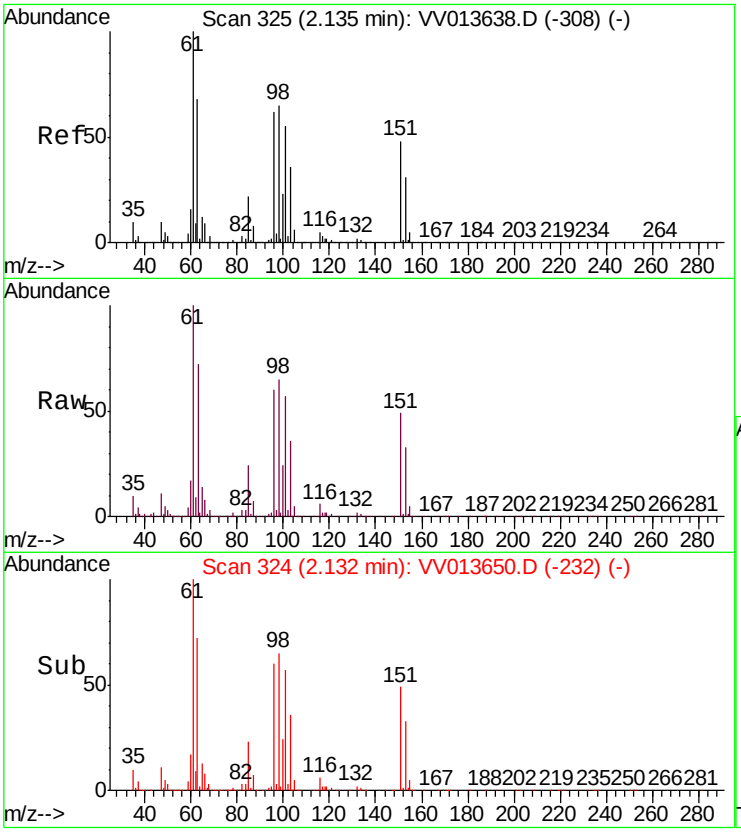




#9
Trichlorofluoromethane
Concen: 5.236 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:101 Resp: 254899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 51.6 | 77.4 |



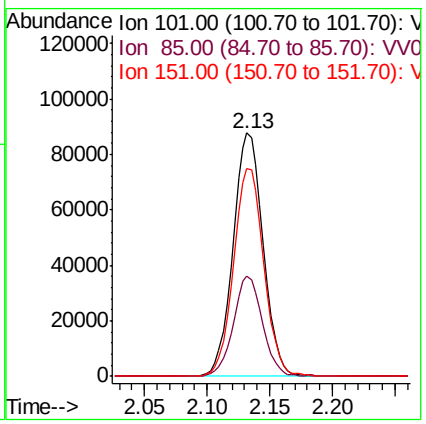


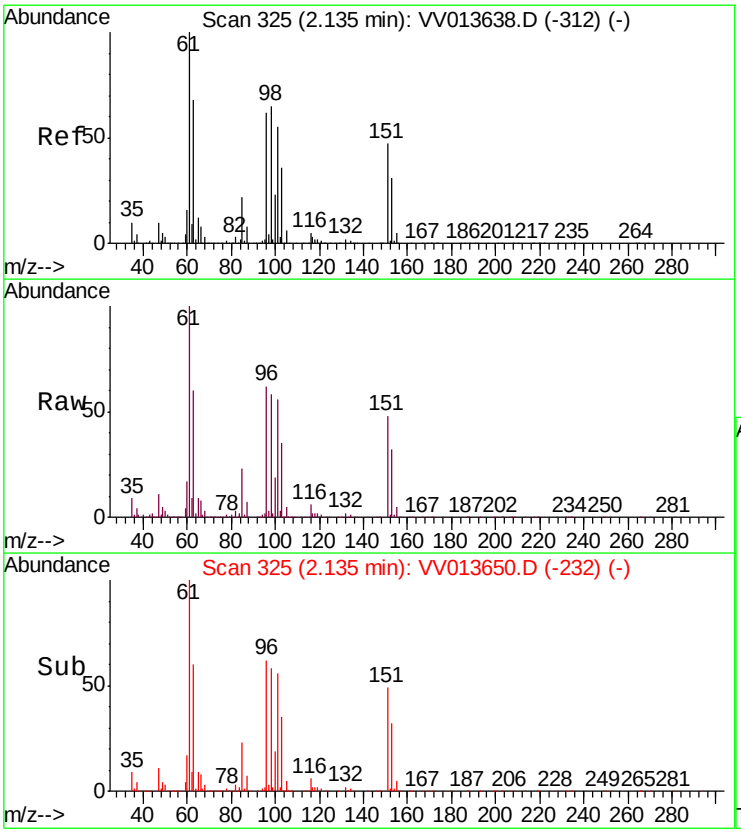

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.446 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion:101 Resp: 145635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 39.4 | 32.0 | 48.0 |
| 151 | 85.9 | 69.0 | 103.6 |

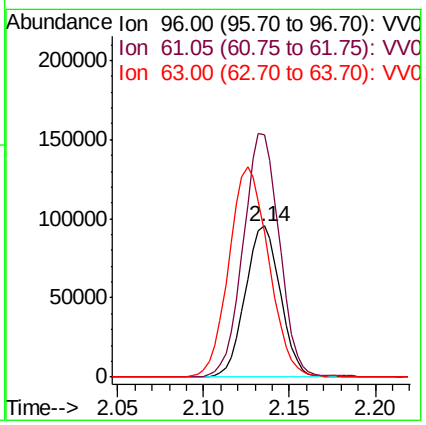


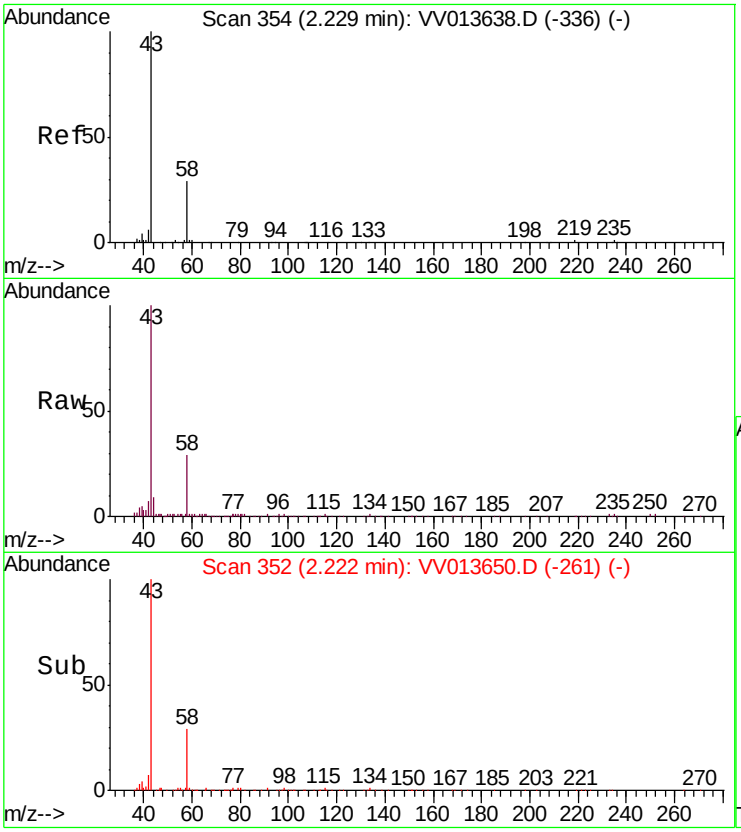




#12
1,1-Dichloroethene
Concen: 5.164 ug/L
RT: 2.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 96 Resp: 134059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.4 | 112.5 | 208.9 |
| 63 | 96.3 | 76.9 | 142.7 |



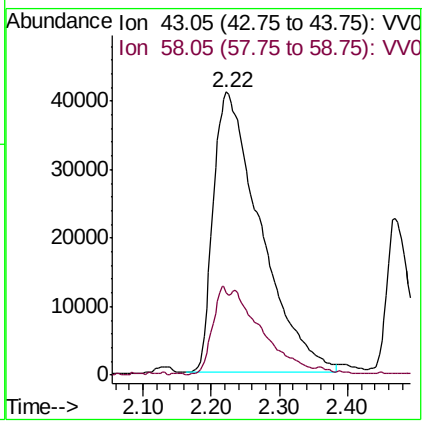


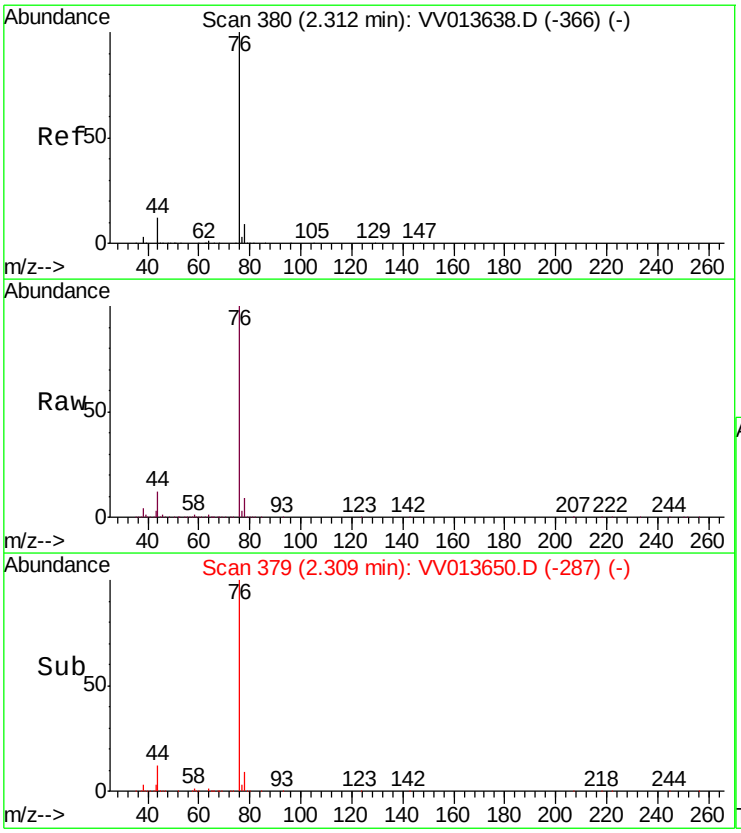

#13
Acetone
Concen: 50.413 ug/L
RT: 2.22 min Scan# 352
Delta R.T. -0.01 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 43 Resp: 197440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.6 | 0.0 | 17.0 |

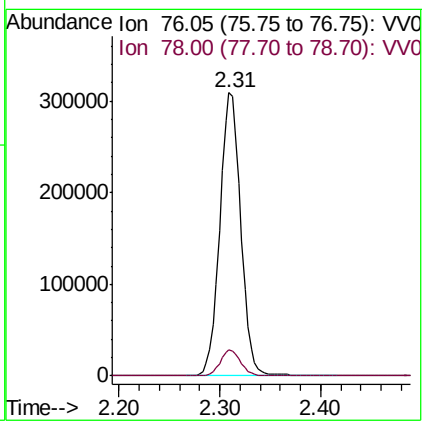


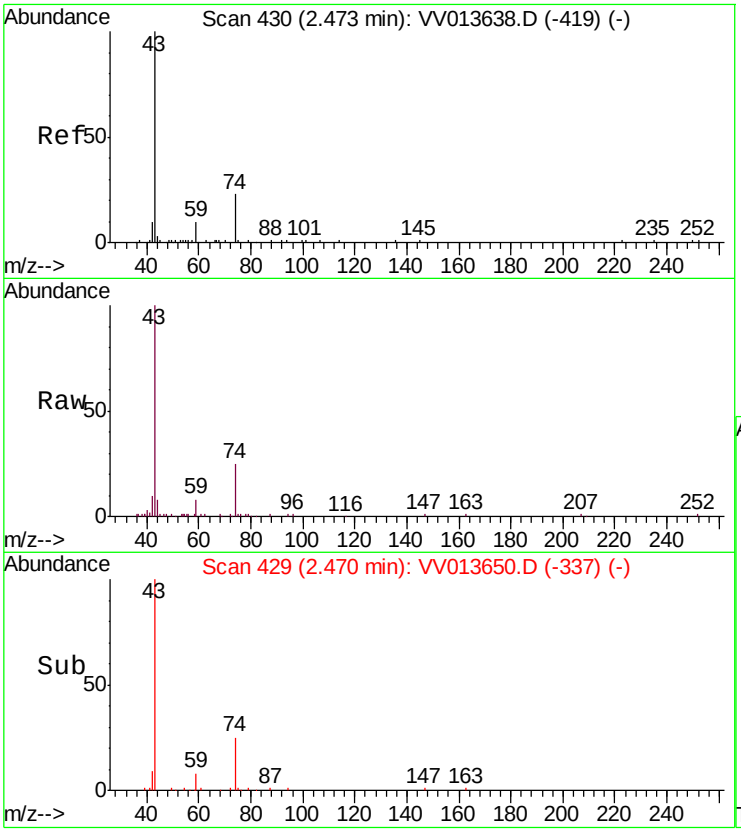




#14
Carbon disulfide
Concen: 5.036 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 76 Resp: 451045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.2 |



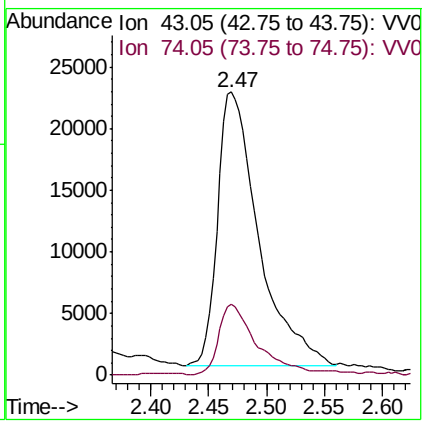


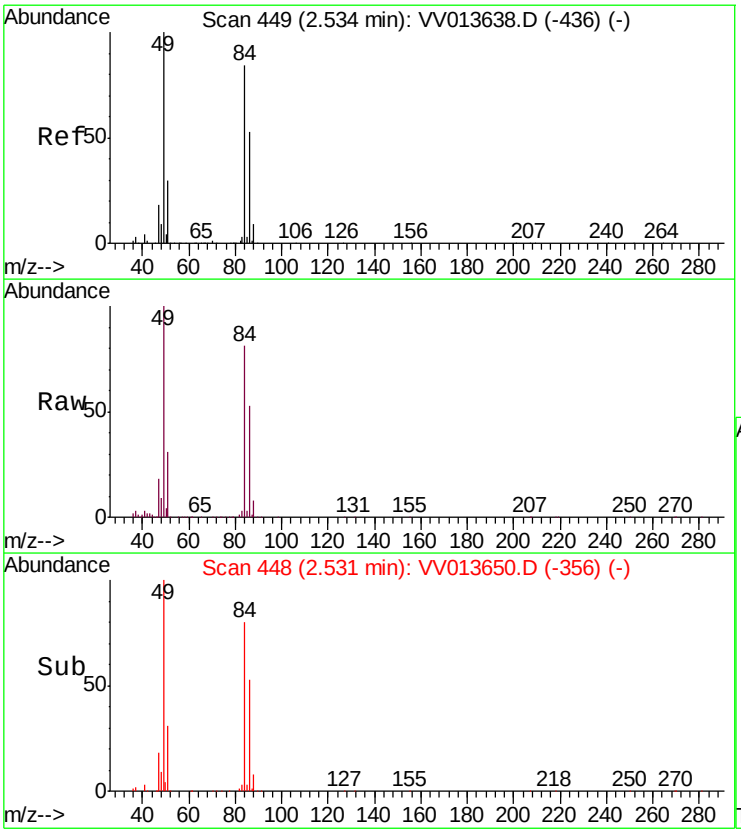

#15
Methyl Acetate
Concen: 4.902 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 43 Resp: 54373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.3 | 18.9 | 28.3 |

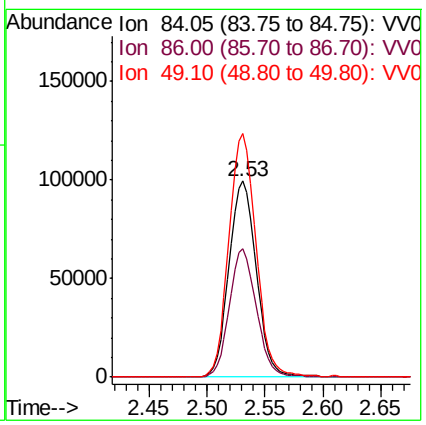


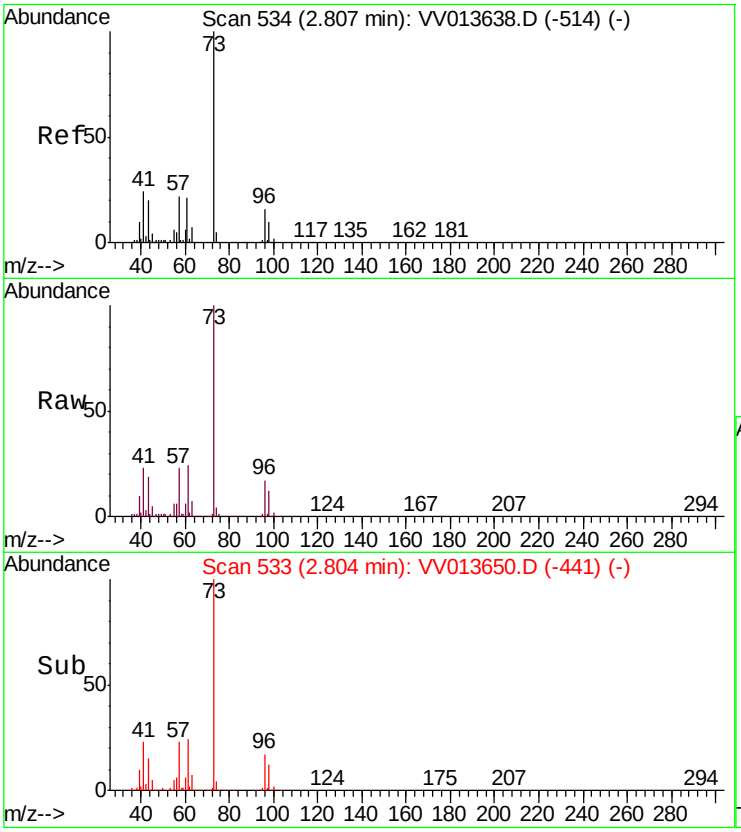




#16
Methylene chloride
Concen: 4.521 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 84 Resp: 163126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.3 | 44.1 | 81.9 |
| 49 | 124.2 | 83.4 | 155.0 |



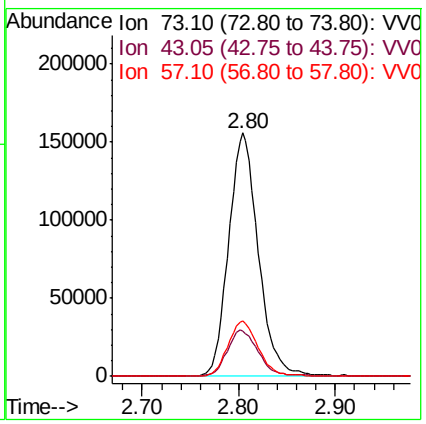


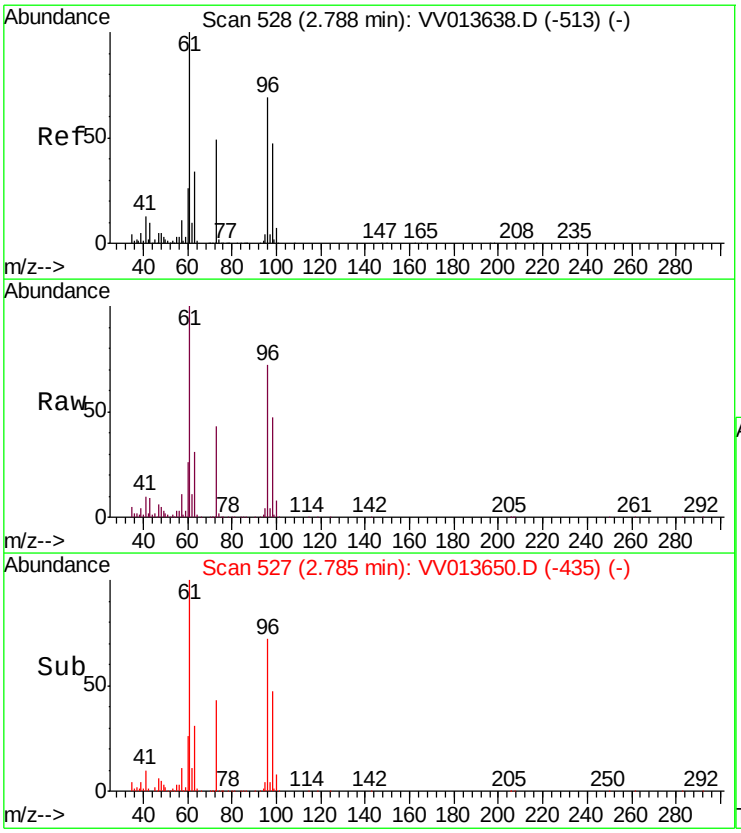

#17
Methyl tert-butyl Ether
Concen: 5.012 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 73 Resp: 332321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 19.8 | 15.4 | 23.0 |
| 57 | 22.7 | 18.1 | 27.1 |

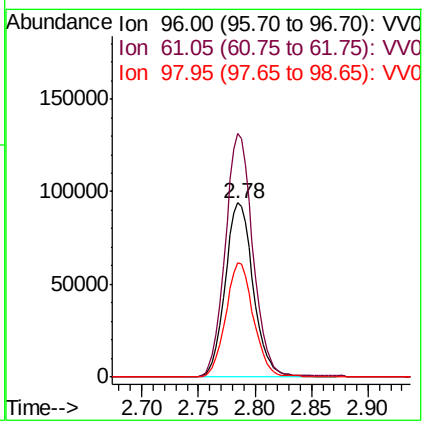


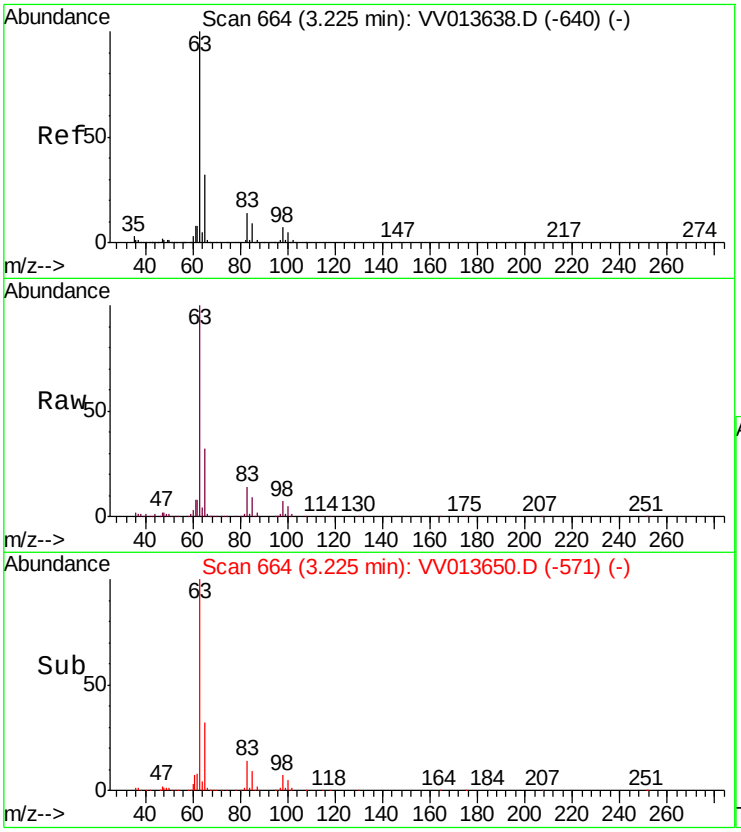




#18
trans-1,2-Dichloroethene
Concen: 5.100 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 96 Resp: 163263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.6 | 101.0 | 187.6 |
| 98 | 65.5 | 47.0 | 87.2 |



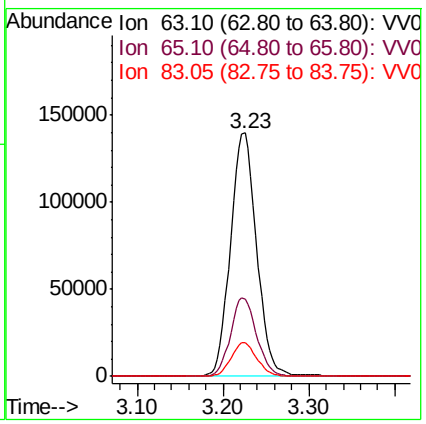


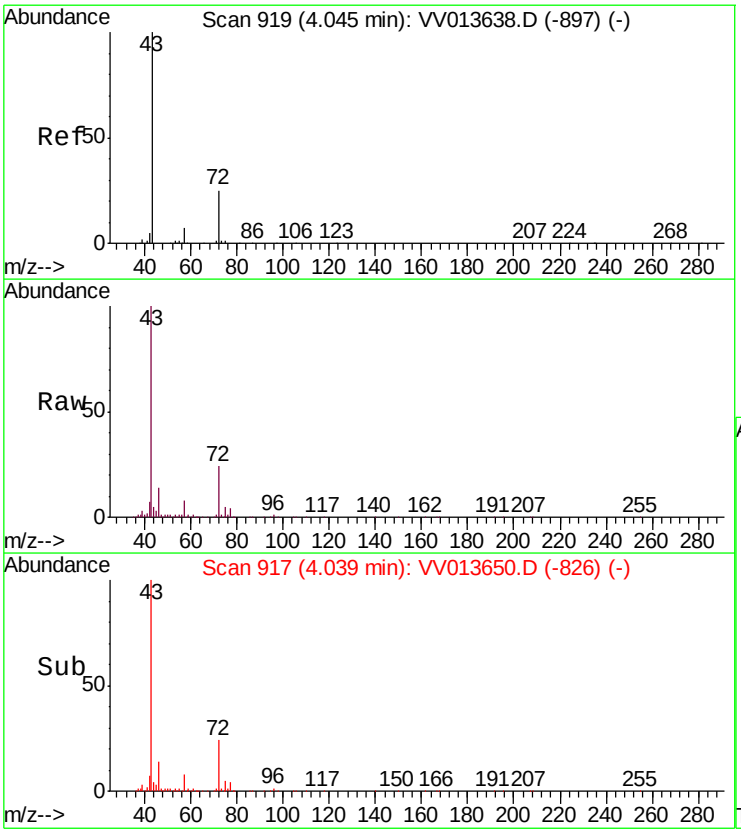

#19
1,1-Dichloroethane
Concen: 5.137 ug/L
RT: 3.23 min Scan# 664
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 63 Resp: 293688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 22.5 | 41.7 |
| 83 | 13.9 | 9.7 | 17.9 |

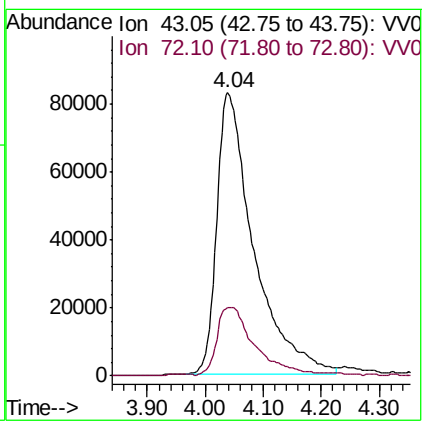


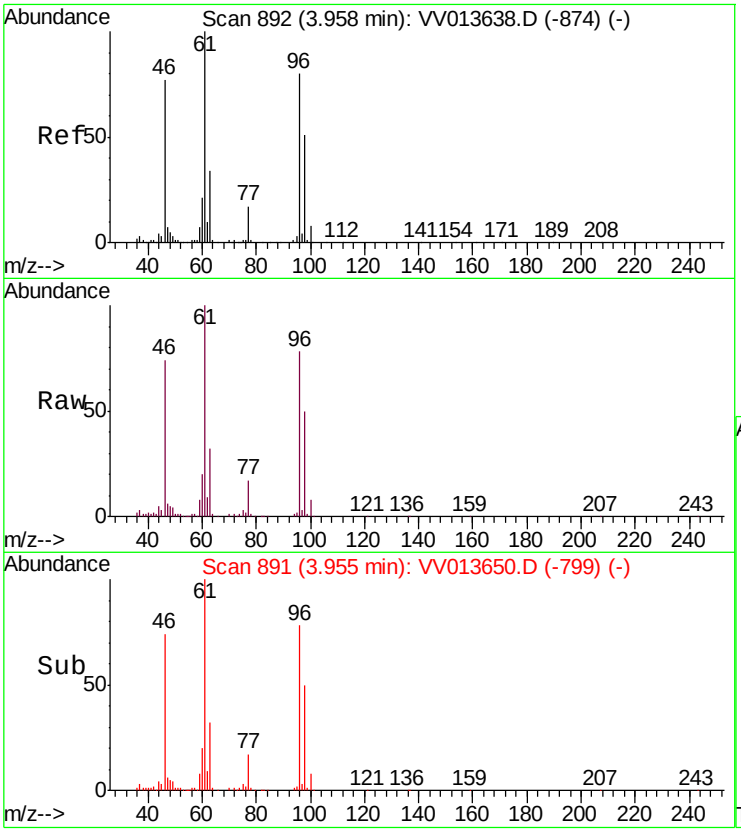




#21
2-Butanone
Concen: 55.669 ug/L
RT: 4.04 min Scan# 917
Delta R.T. -0.01 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 43 Resp: 365614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 11.6 | 34.8 |



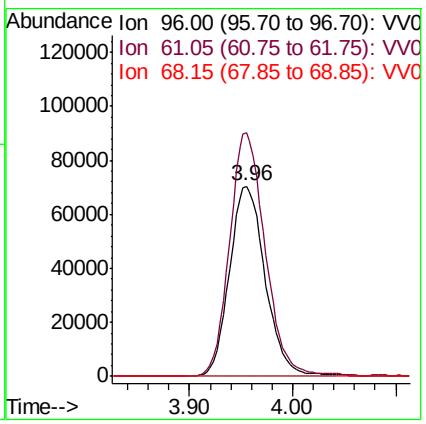


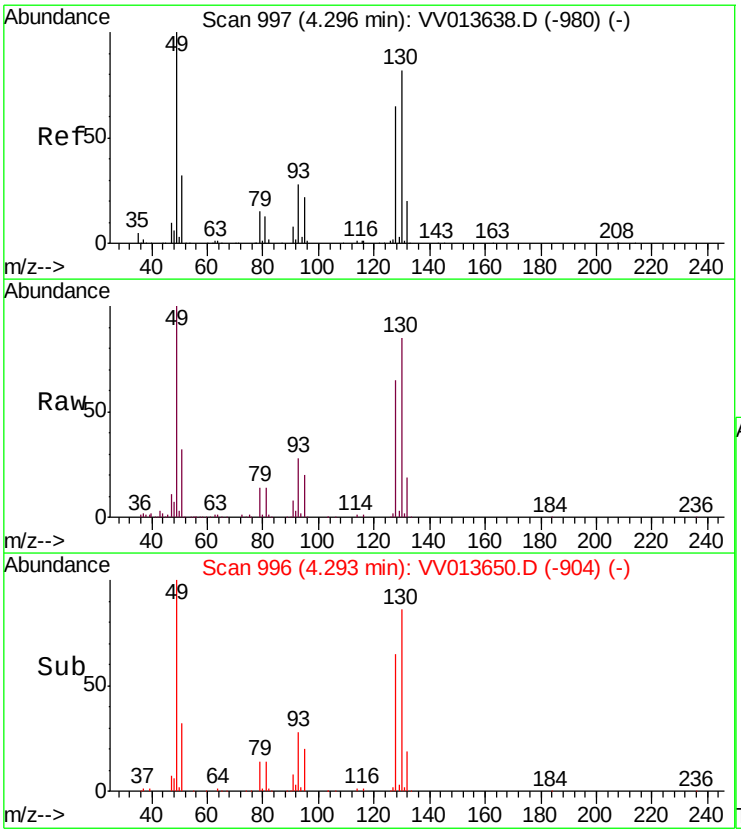

#22
cis-1,2-Dichloroethene
Concen: 5.111 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 96 Resp: 169823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 127.9 | 87.7 | 162.9 |
| 68 | 0.0 | 0.1 | 0.3# |

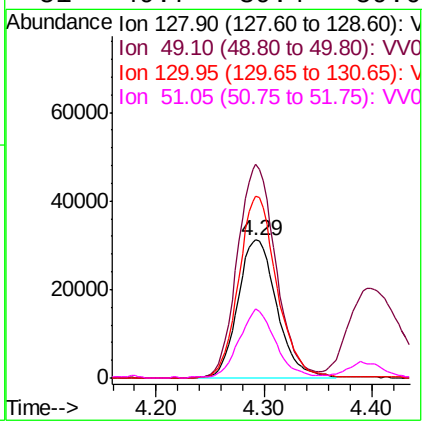


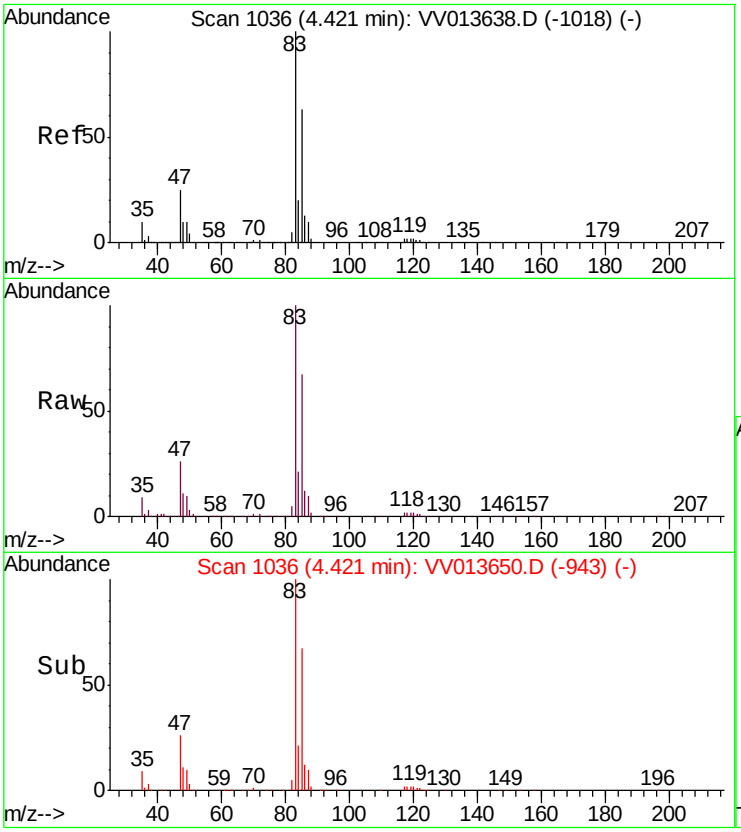




#23
Bromochloromethane
Concen: 5.129 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:128 Resp: 78569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 154.6 | 107.2 | 199.0 |
| 130 | 131.9 | 87.9 | 163.3 |
| 51 | 49.7 | 39.4 | 59.0 |



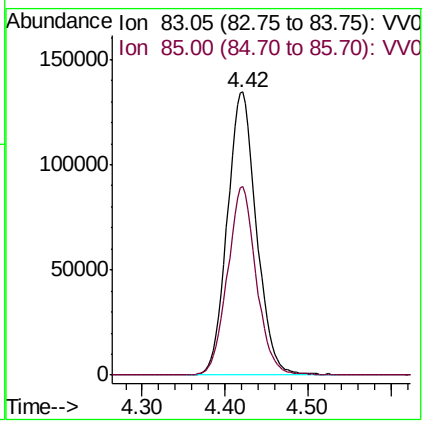


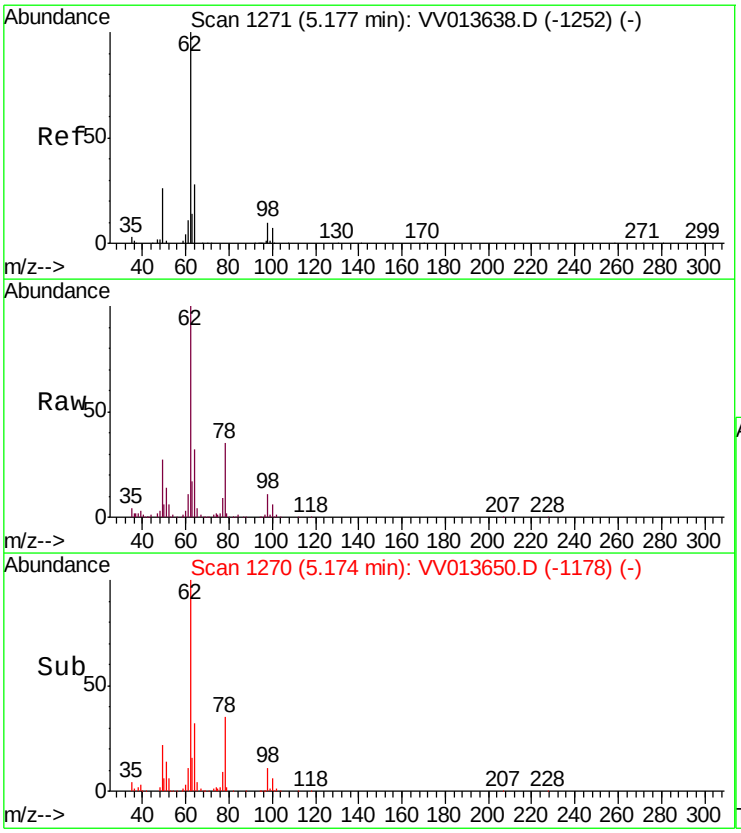

#25
Chloroform
Concen: 4.252 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 83 Resp: 329242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.8 | 44.4 | 82.5 |

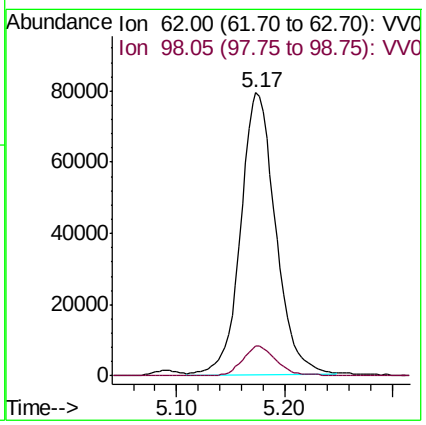


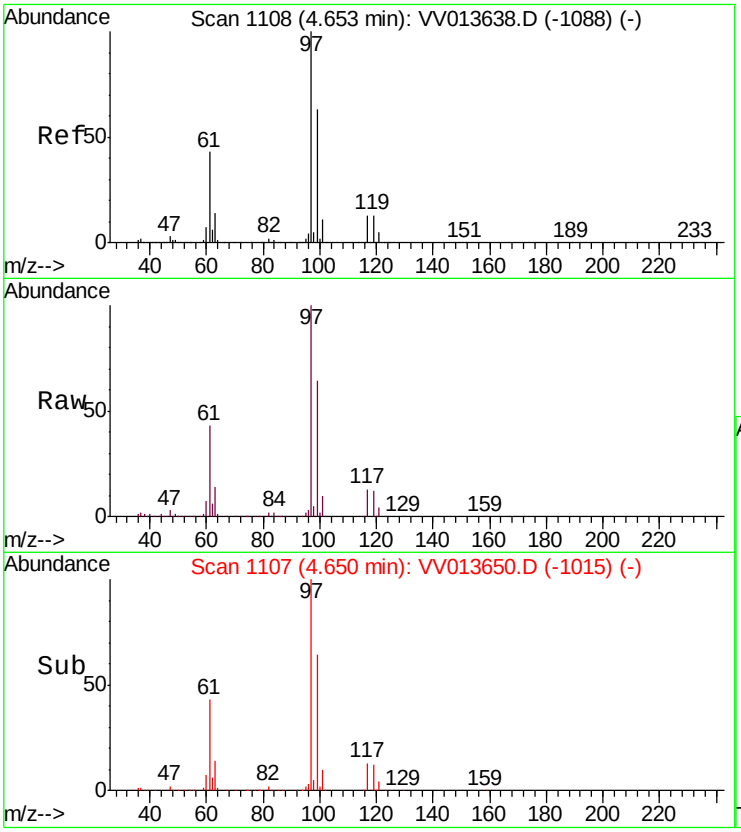




#27
1,2-Dichloroethane
Concen: 5.158 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 62 Resp: 177437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.6 | 8.2 | 12.2 |



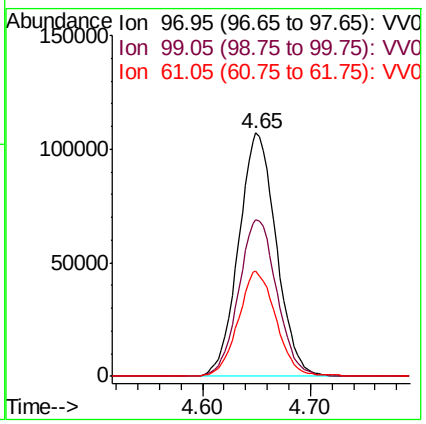


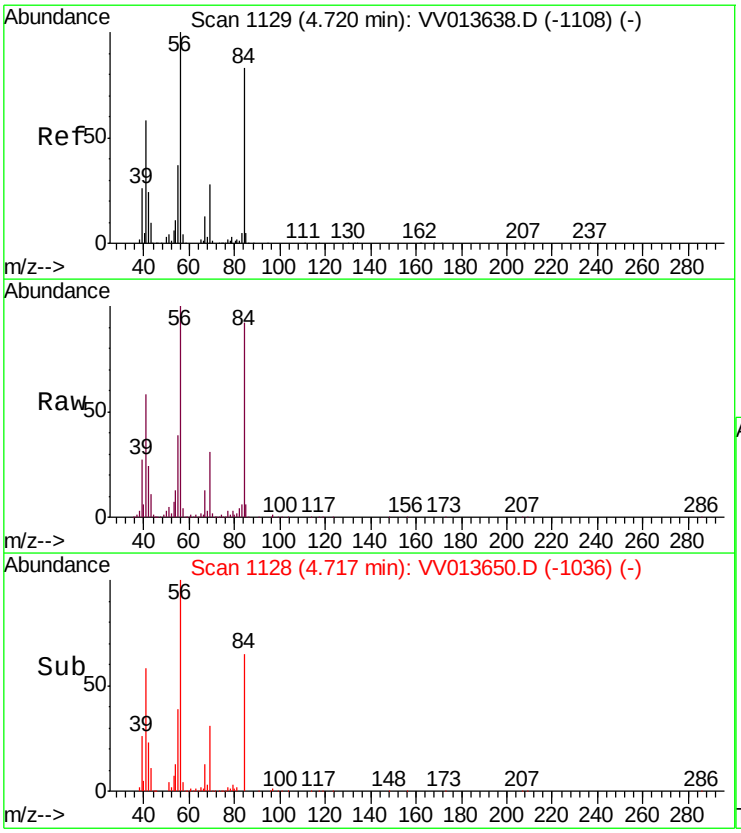

#29
1,1,1-Trichloroethane
Concen: 5.198 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 97 Resp: 259934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.2 | 52.6 | 79.0 |
| 61 | 42.4 | 34.7 | 52.1 |

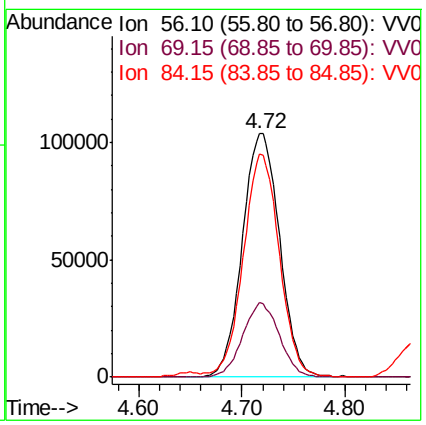


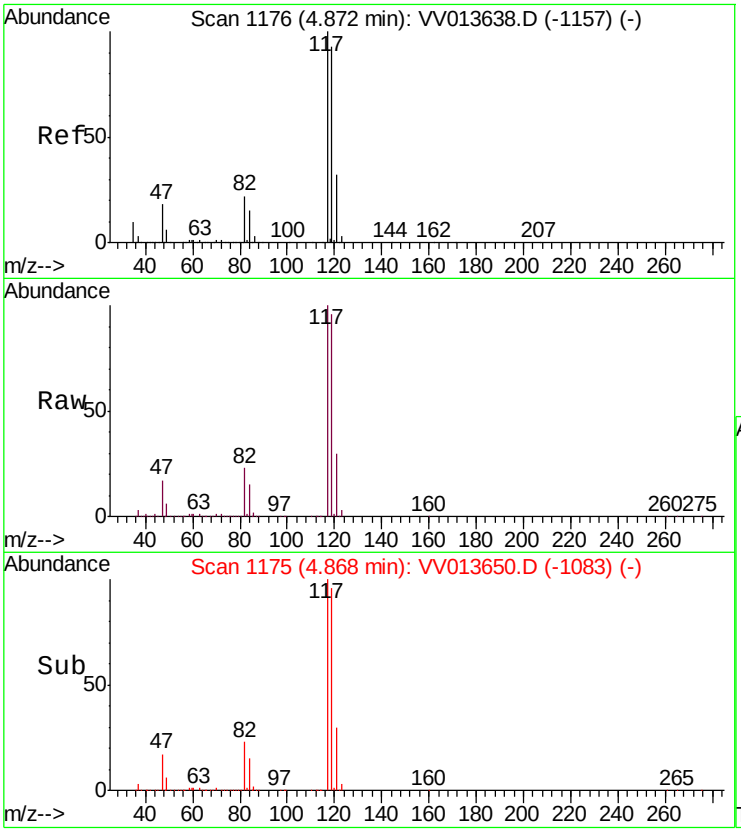




#30
Cyclohexane
Concen: 5.235 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 56 Resp: 260475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.1 | 23.8 | 35.8 |
| 84 | 88.7 | 69.1 | 103.7 |



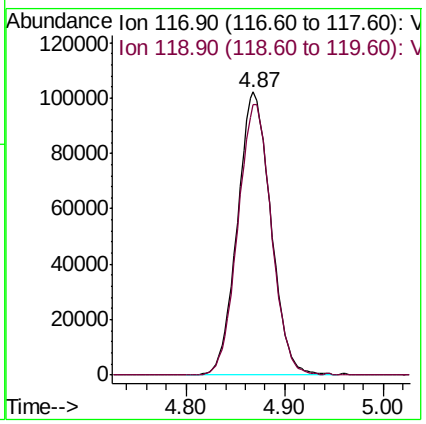


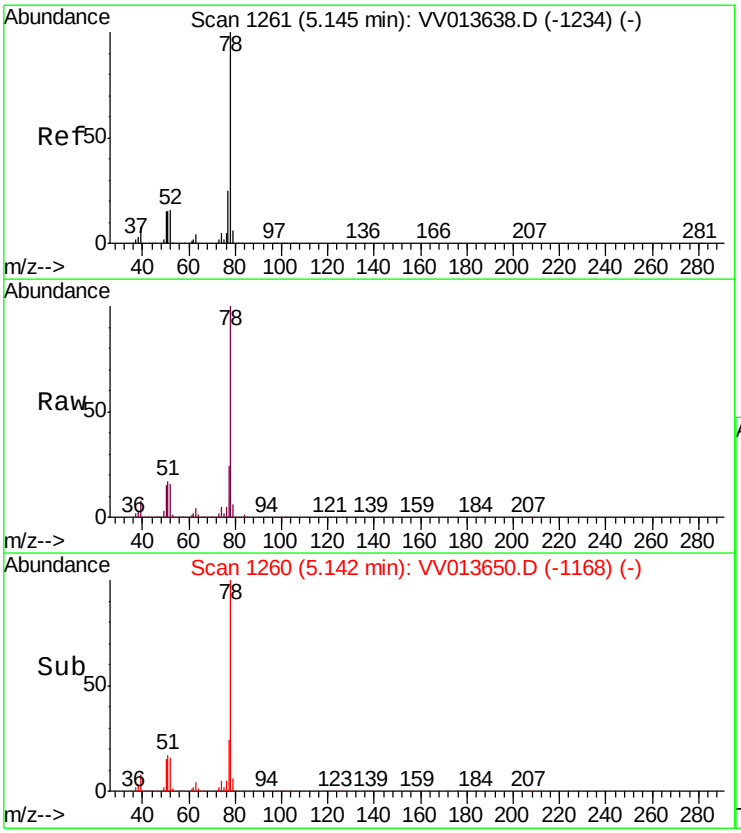

#31
Carbon tetrachloride
Concen: 5.289 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion:117 Resp: 238964

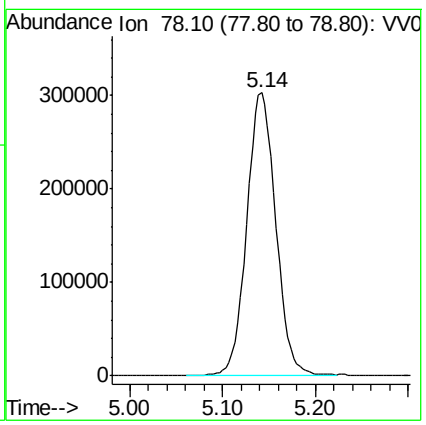
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.9 | 74.8 | 112.2 |

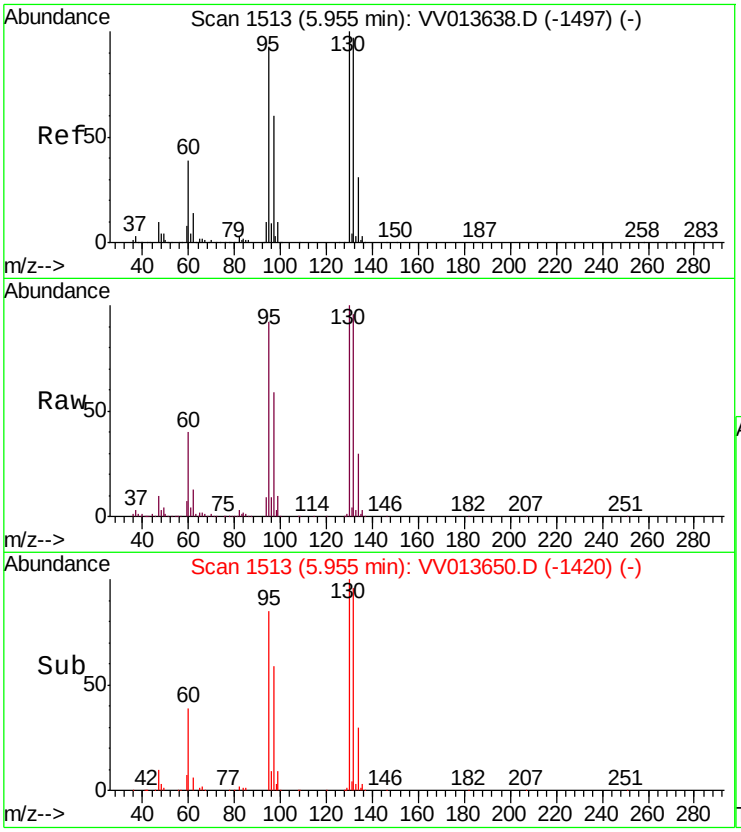



#33
Benzene
Concen: 5.255 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 78 Resp: 658096



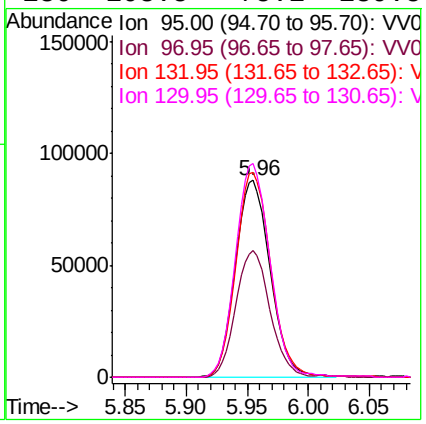


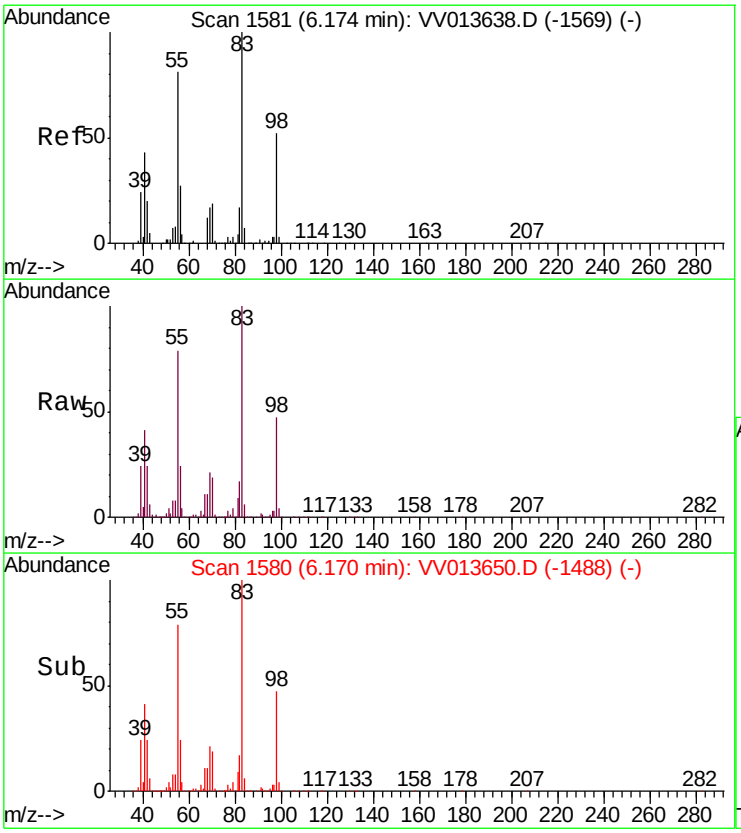

#34
Trichloroethene
Concen: 5.194 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 95 Resp: 174105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.3 | 44.8 | 83.2 |
| 132 | 104.3 | 72.9 | 135.3 |
| 130 | 108.5 | 75.1 | 139.5 |

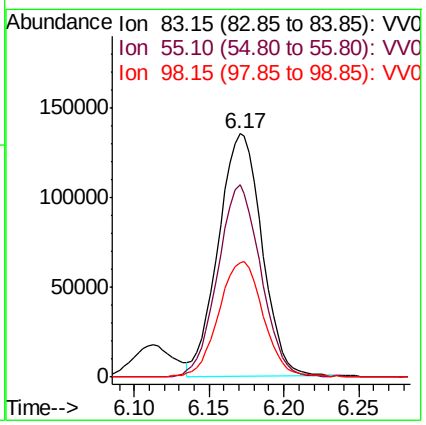


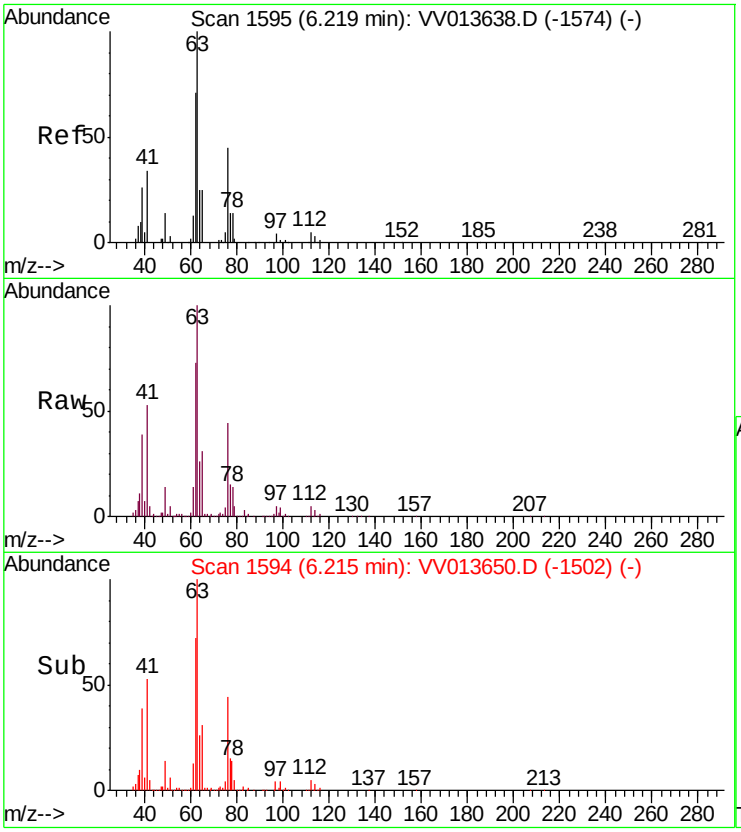




#35
Methylcyclohexane
Concen: 5.357 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 83 Resp: 273896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.4 | 64.1 | 96.1 |
| 98 | 48.2 | 38.2 | 57.2 |



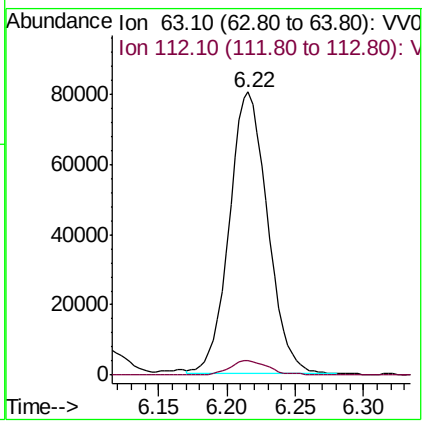


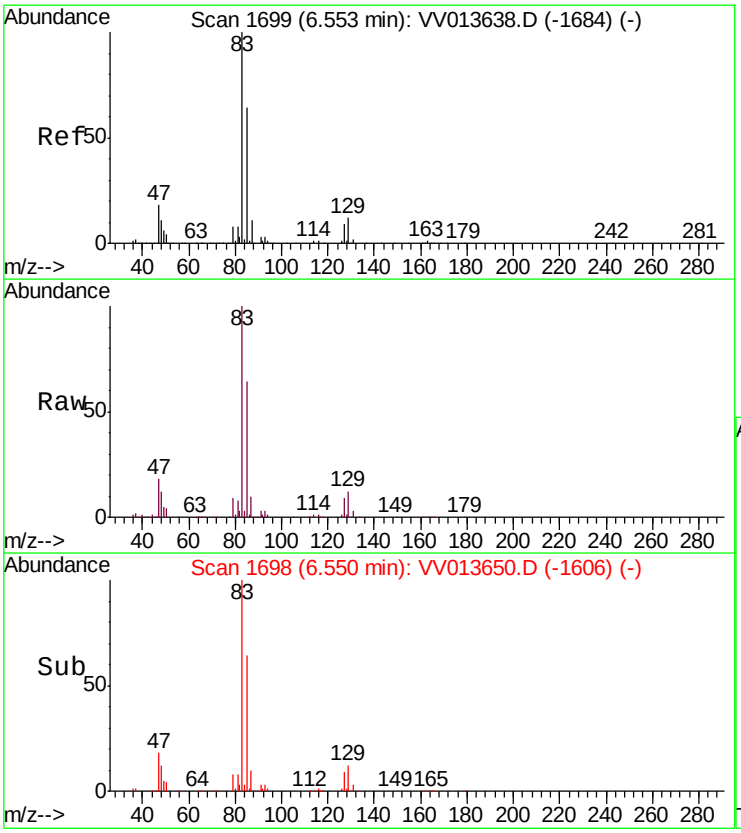

#37
1,2-Dichloropropane
Concen: 5.209 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00538

Tgt Ion: 63 Resp: 156217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 5.2 | 4.1 | 6.1 |

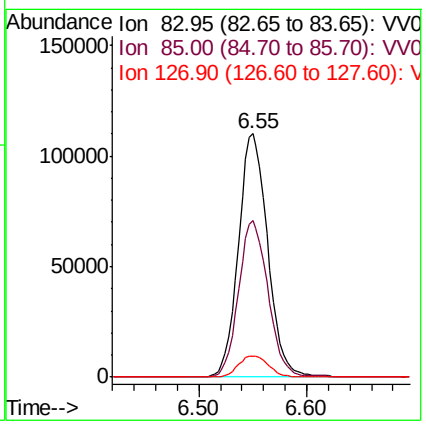


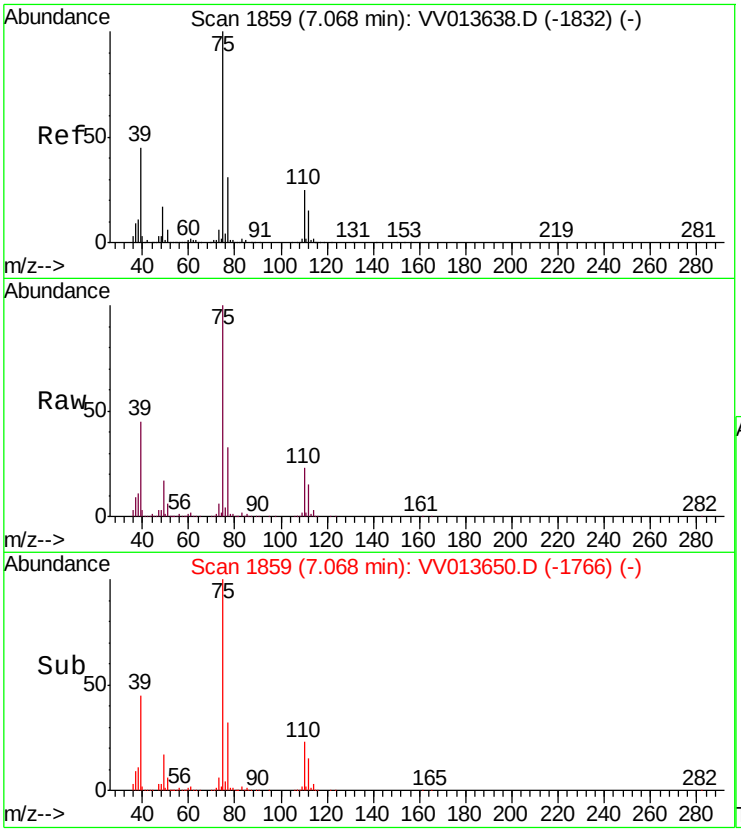




#38
Bromodichloromethane
Concen: 4.961 ug/L
RT: 6.55 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 83 Resp: 207475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 44.9 | 83.5 |
| 127 | 8.7 | 7.0 | 10.6 |



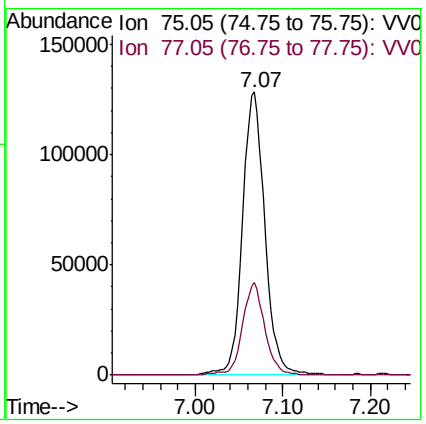


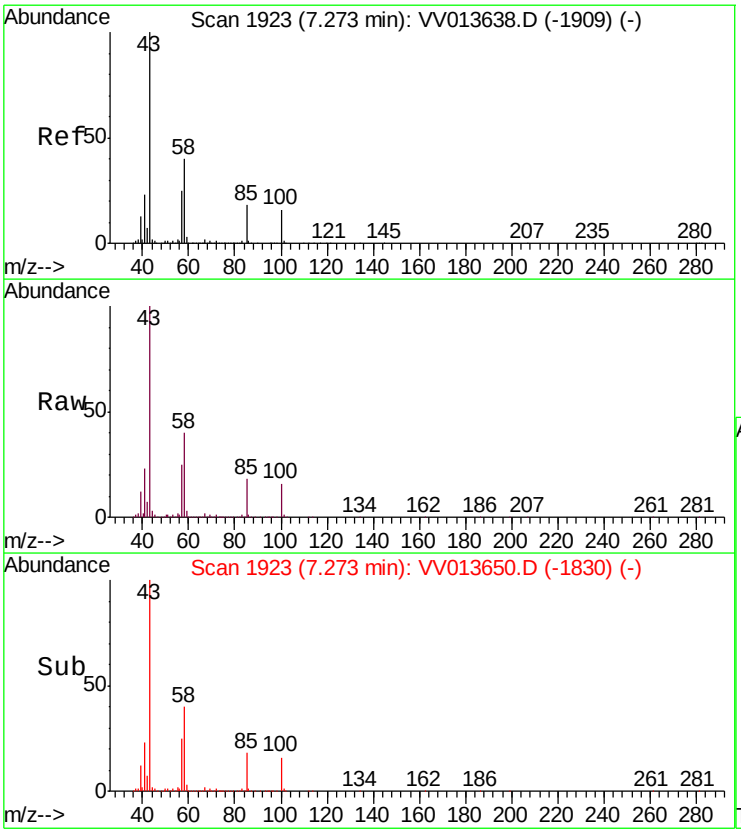

#39
cis-1,3-Dichloropropene
Concen: 5.309 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 75 Resp: 228820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 22.0 | 40.8 |

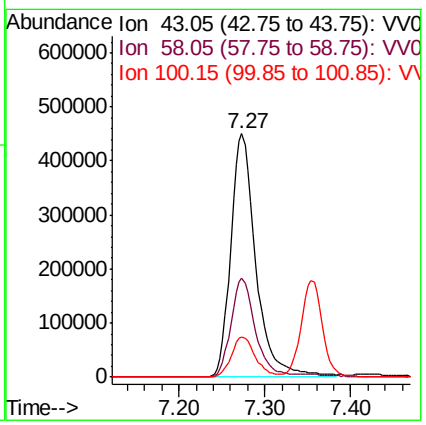


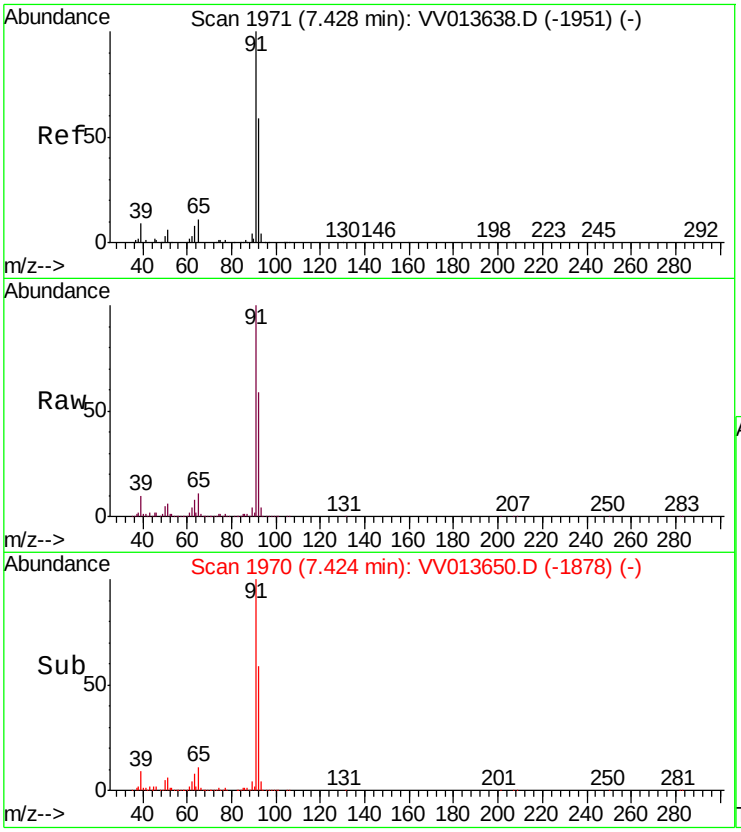




#40
4-Methyl-2-pentanone
Concen: 52.224 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 43 Resp: 911095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.5 | 31.5 | 47.3 |
| 100 | 15.9 | 12.2 | 18.4 |



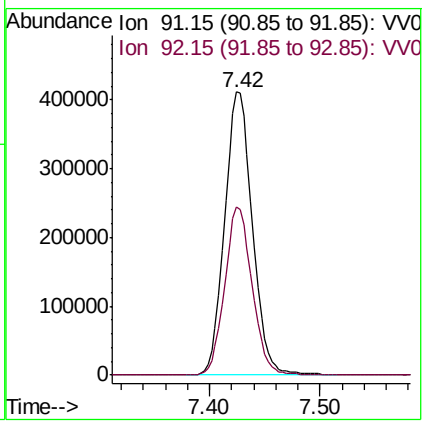


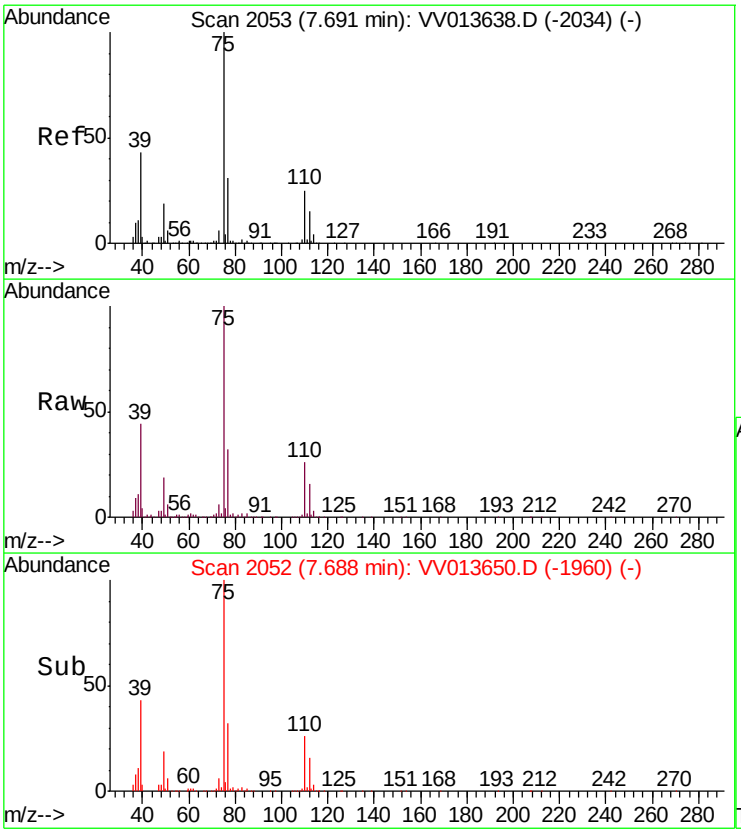

#42
Toluene
Concen: 5.357 ug/L
RT: 7.42 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 91 Resp: 716744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.5 | 41.2 | 76.6 |

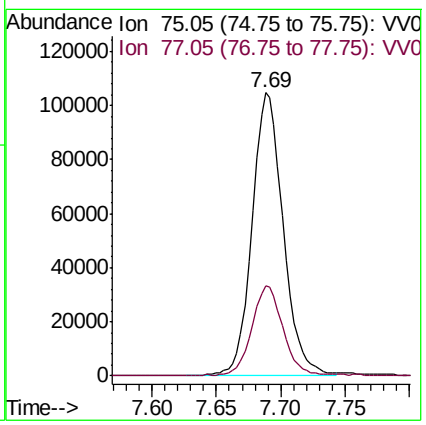


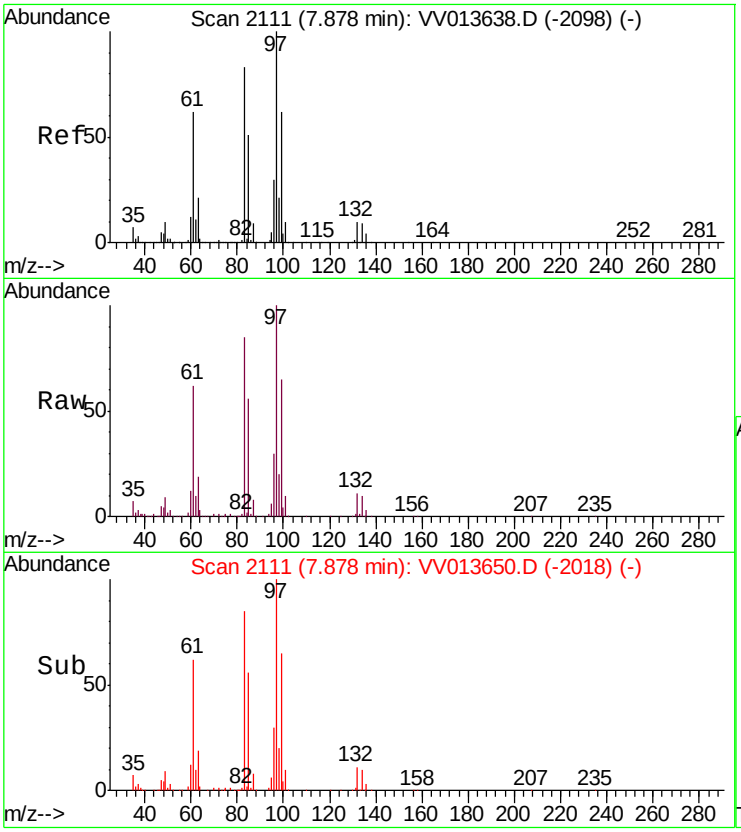




#44
trans-1,3-Dichloropropene
Concen: 5.210 ug/L
RT: 7.69 min Scan# 2052
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 75 Resp: 177003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 21.6 | 40.2 |



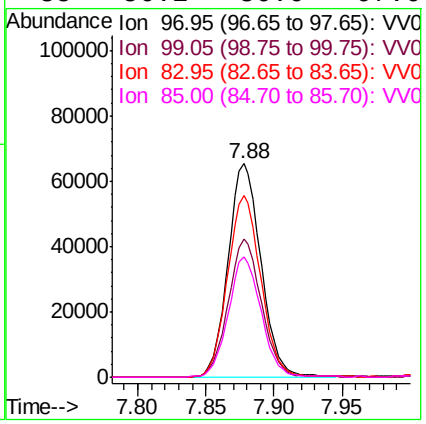


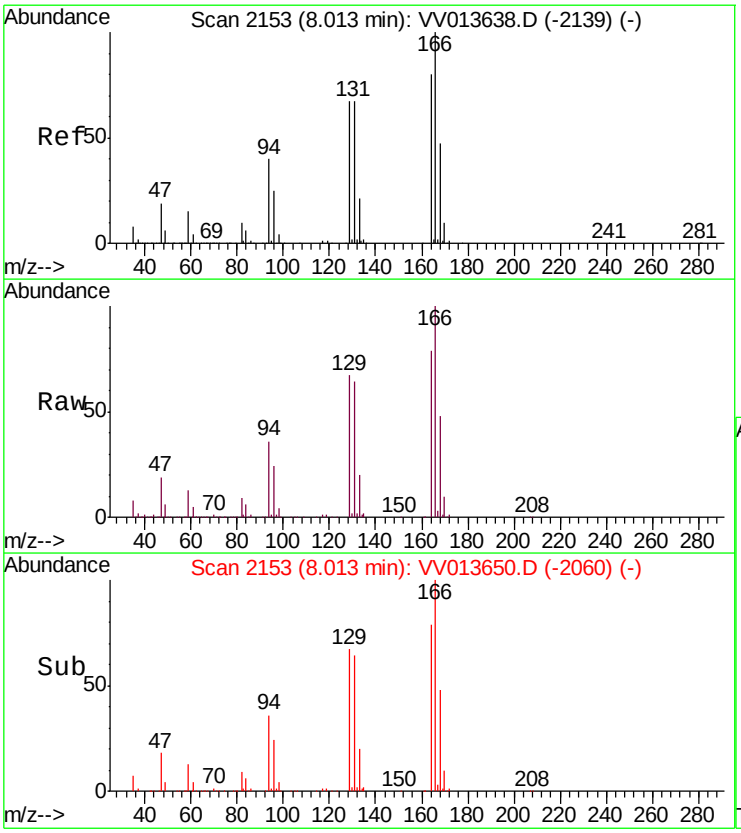

#45
1,1,2-Trichloroethane
Concen: 5.071 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 97 Resp: 109654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 43.8 | 81.3 |
| 83 | 85.3 | 58.0 | 107.8 |
| 85 | 56.2 | 36.0 | 67.0 |

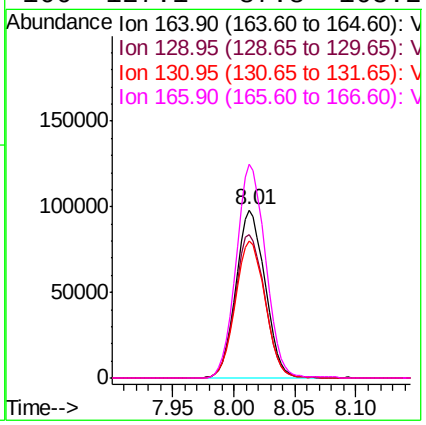


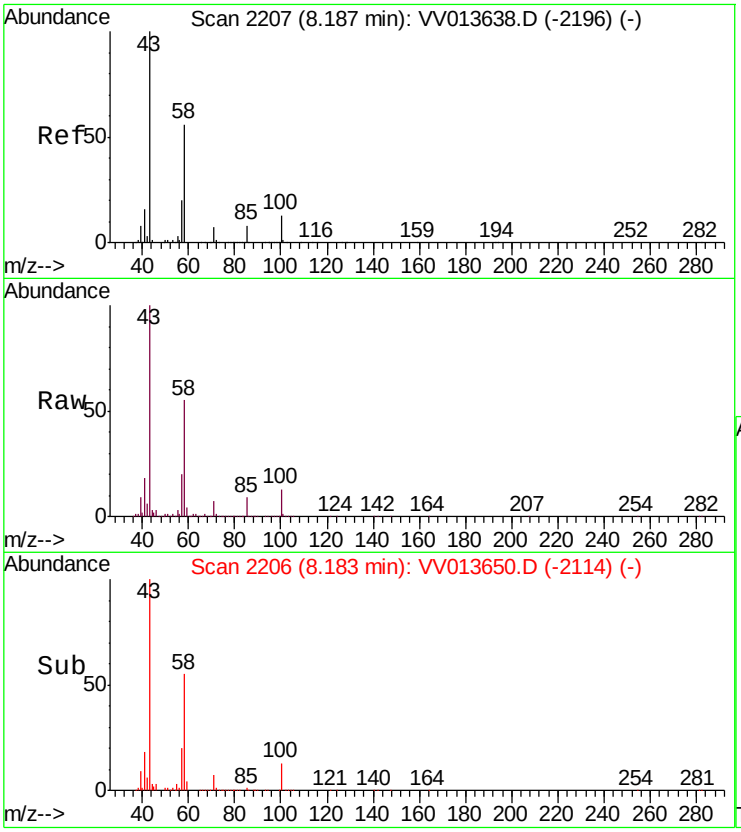




#47
Tetrachloroethene
Concen: 5.213 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:164 Resp: 161918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 85.4 | 59.1 | 109.9 |
| 131 | 81.6 | 58.9 | 109.5 |
| 166 | 127.1 | 87.8 | 163.2 |



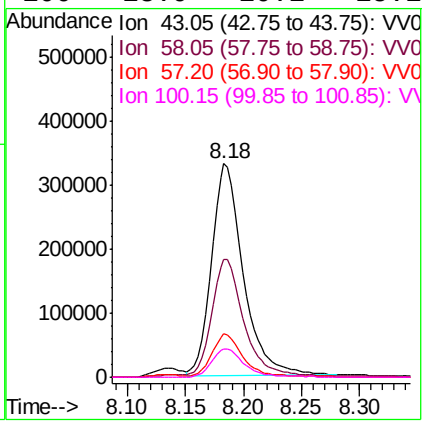


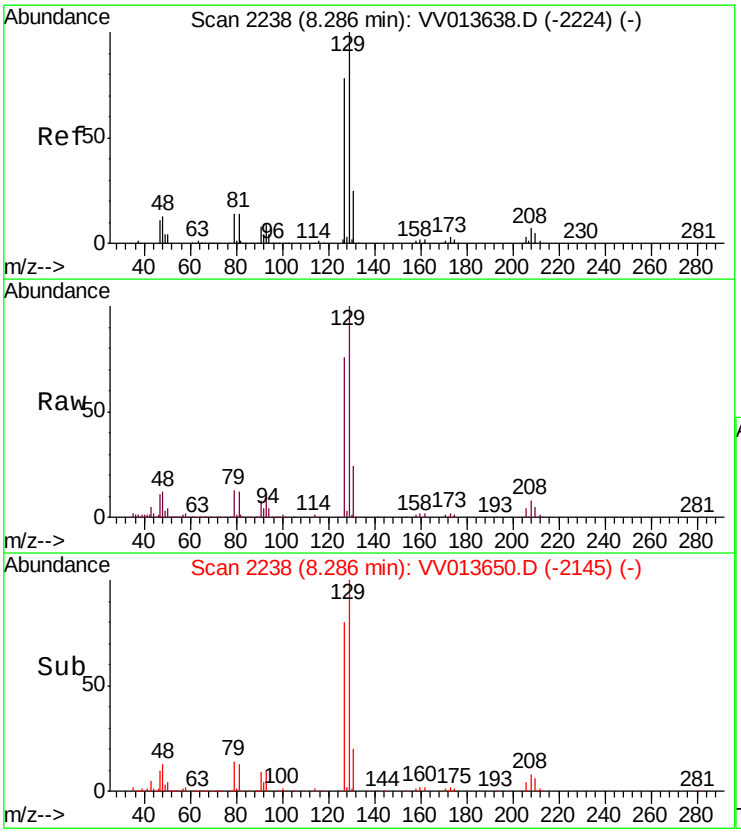

#48
2-Hexanone
Concen: 51.535 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 43 Resp: 637657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.0 | 43.0 | 64.6 |
| 57 | 19.3 | 15.4 | 23.2 |
| 100 | 13.9 | 10.1 | 15.1 |

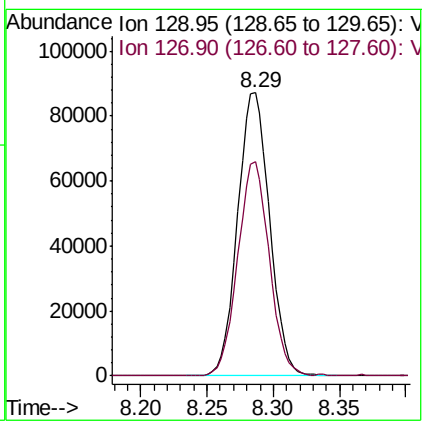


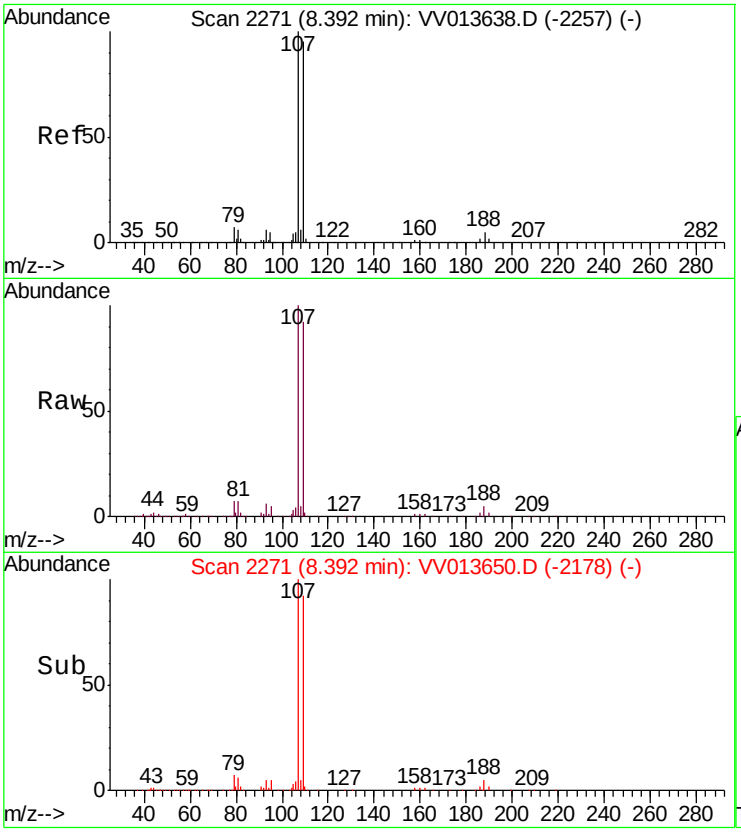




#49
Dibromochloromethane
Concen: 5.336 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:129 Resp: 146490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 54.5 | 101.3 |



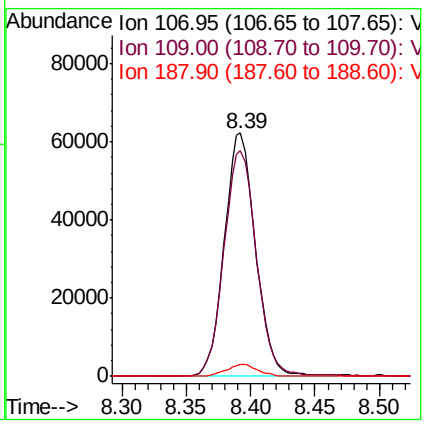


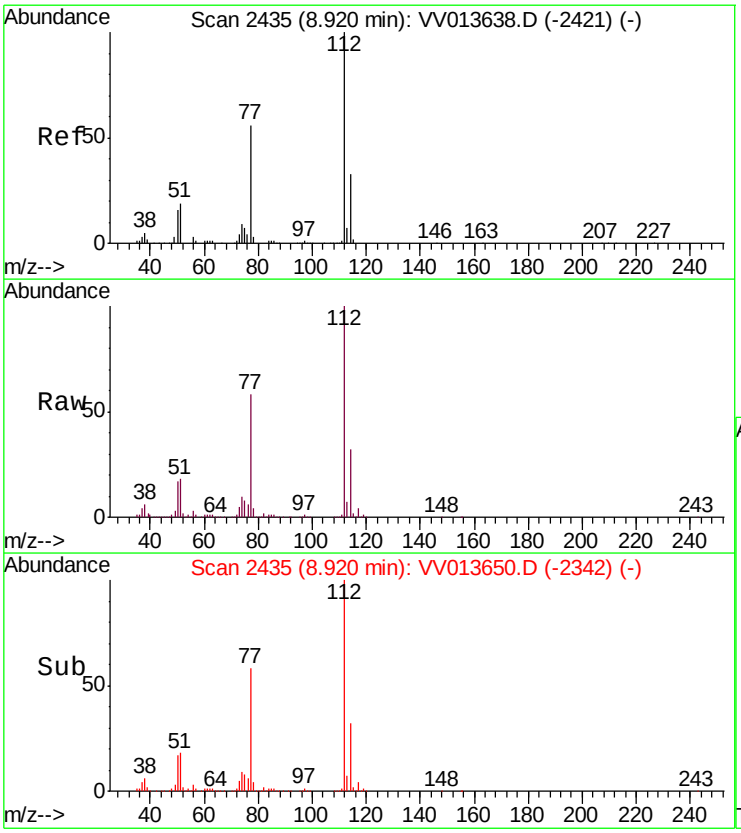

#50
1,2-Dibromoethane
Concen: 5.043 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion:107 Resp: 104749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.5 | 66.5 | 123.5 |
| 188 | 4.8 | 3.6 | 5.4 |

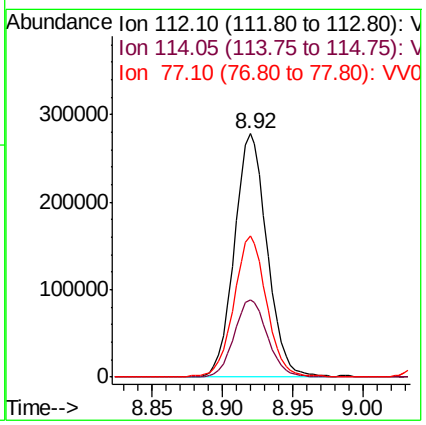


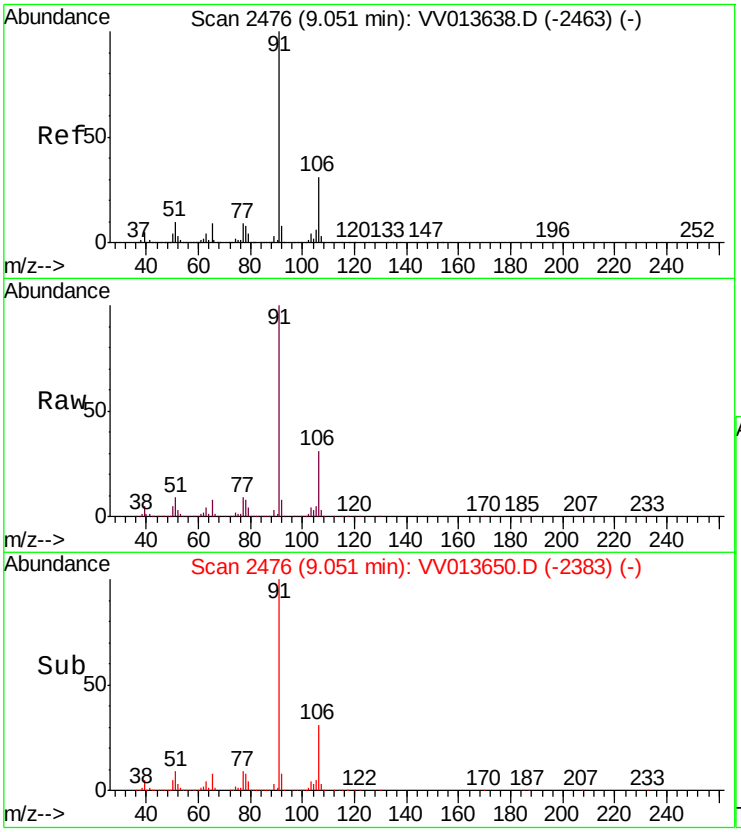




#51
Chlorobenzene
Concen: 5.096 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:112 Resp: 452110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 22.8 | 42.4 |
| 77 | 57.8 | 45.0 | 67.4 |



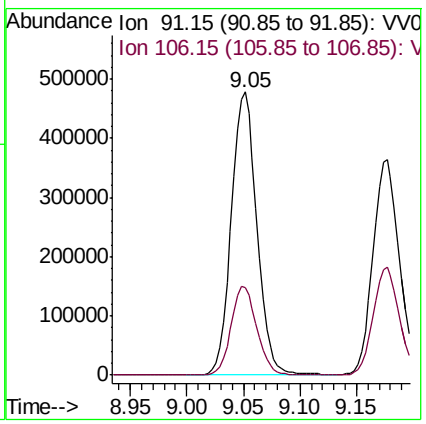


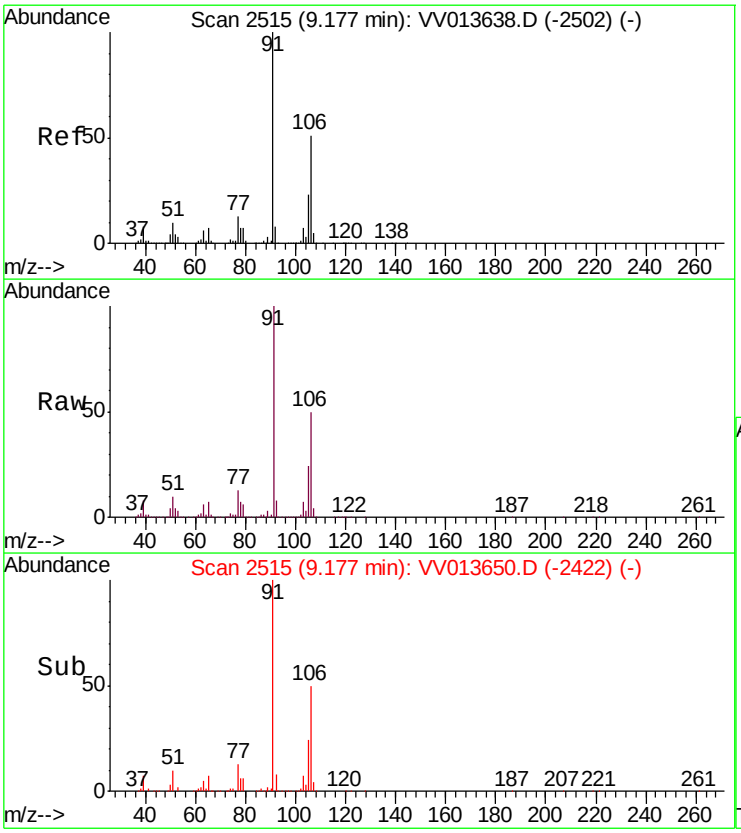

#52
Ethylbenzene
Concen: 5.289 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 91 Resp: 754271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 21.7 | 40.3 |

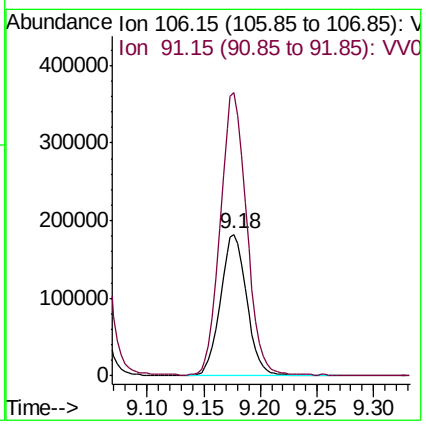


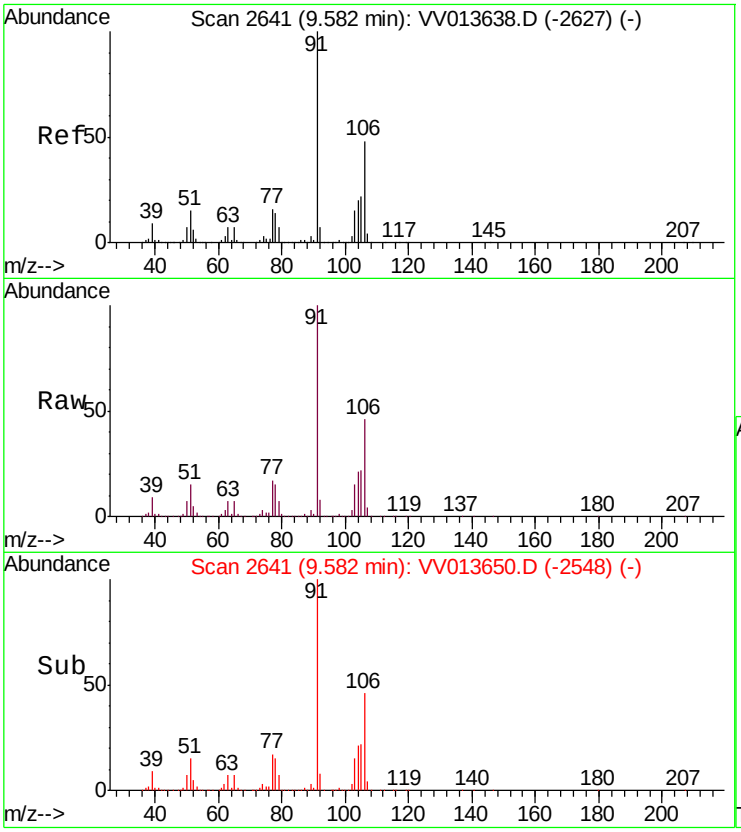




#53
m,p-xylene
Concen: 5.463 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:106 Resp: 293864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 199.5 | 138.1 | 256.5 |



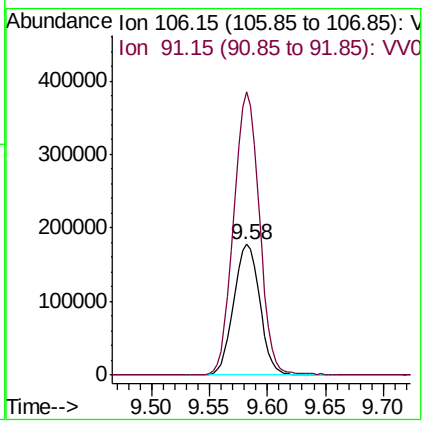


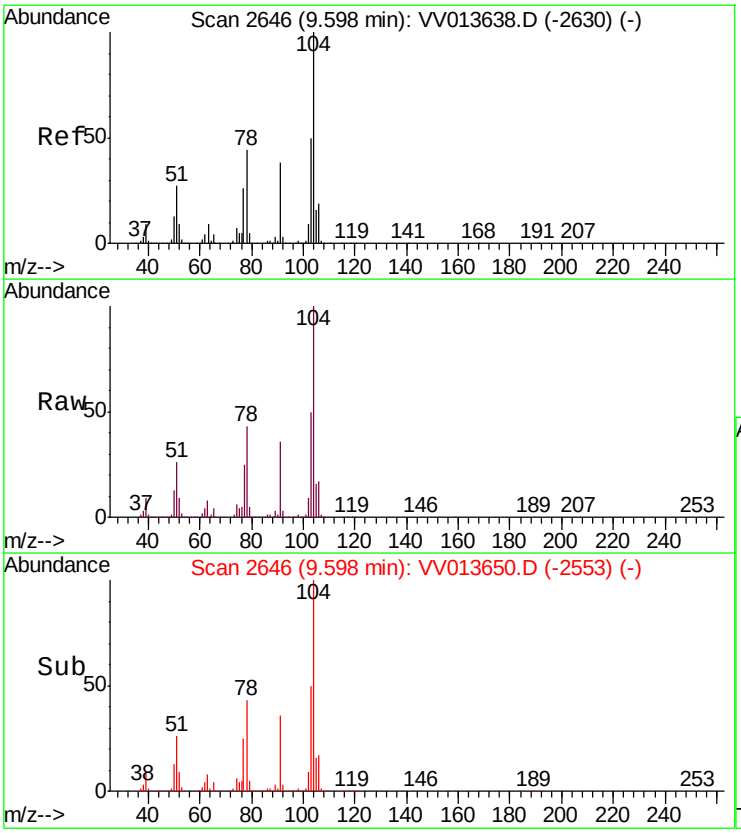

#54
o-xylene
Concen: 5.371 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion:106 Resp: 277881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.4 | 146.9 | 272.7 |

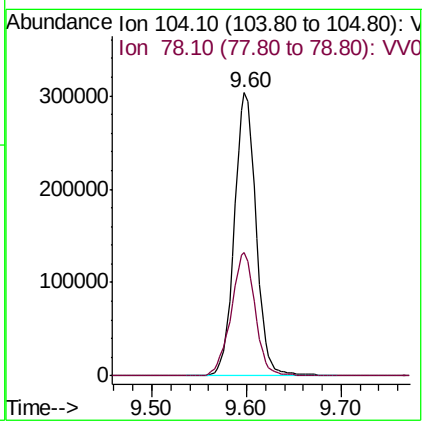


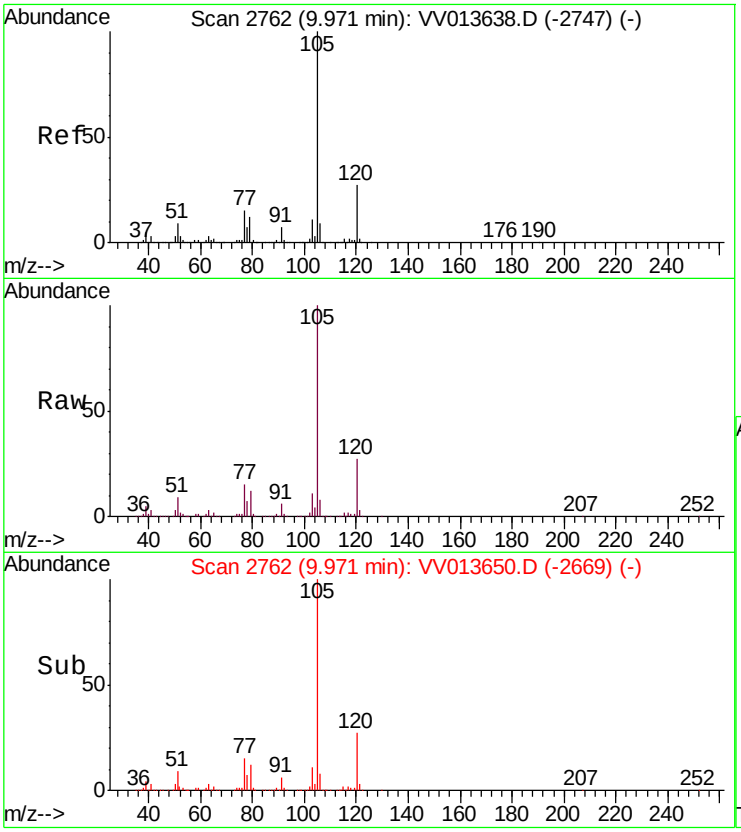




#55
Styrene
Concen: 5.530 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:104 Resp: 483868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 43.5 | 30.8 | 57.2 |



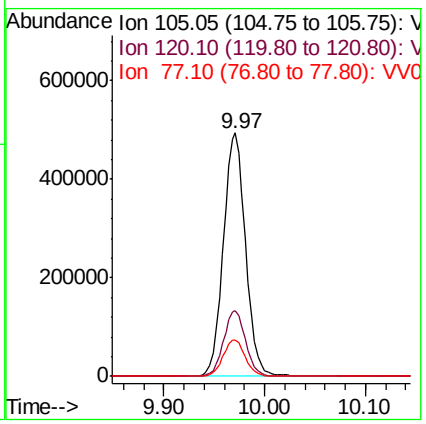


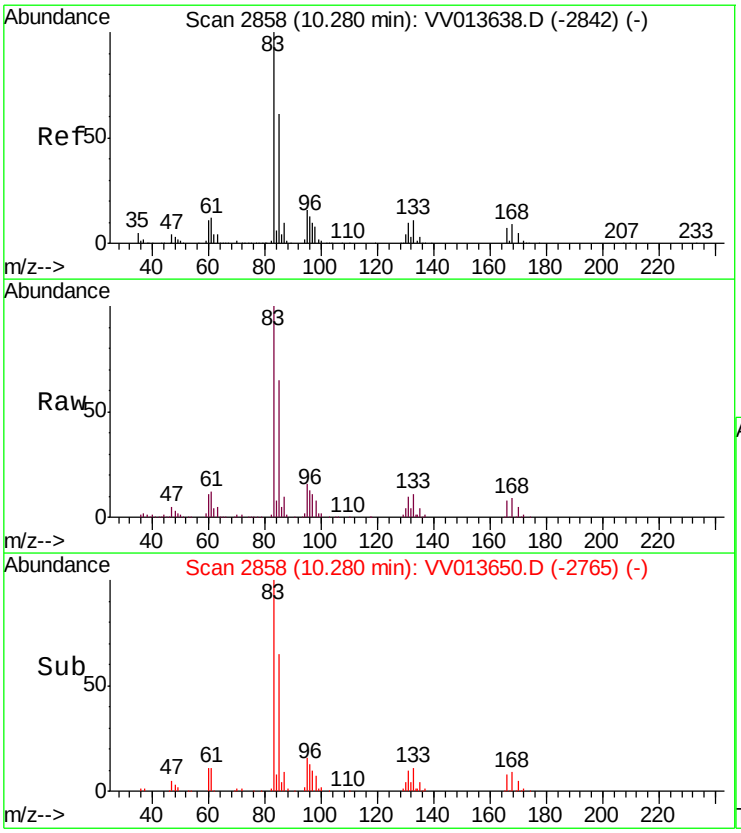

#56
Isopropylbenzene
Concen: 5.520 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion:105 Resp: 759336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.8 | 21.2 | 31.8 |
| 77 | 15.1 | 11.9 | 17.9 |

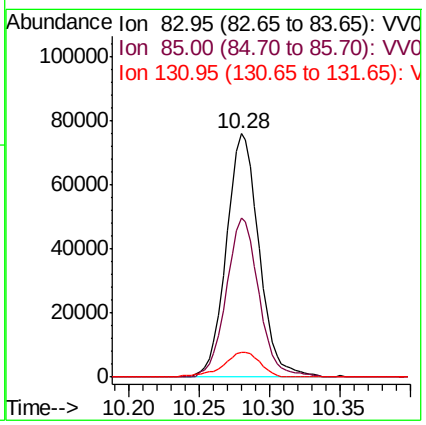


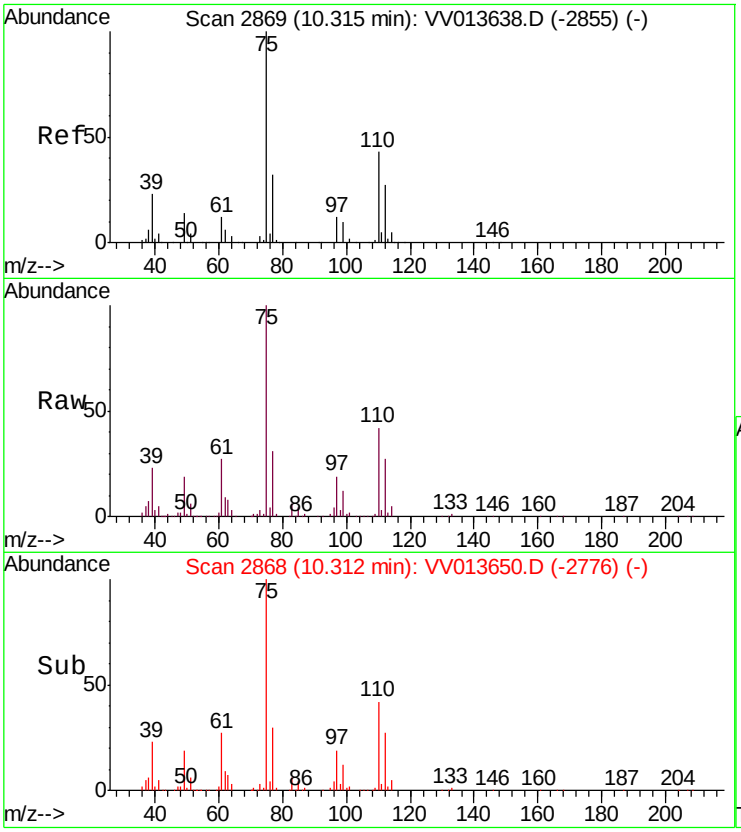




#58
1,1,2,2-Tetrachloroethane
Concen: 5.150 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 83 Resp: 123537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 43.0 | 80.0 |
| 131 | 10.2 | 8.3 | 12.5 |



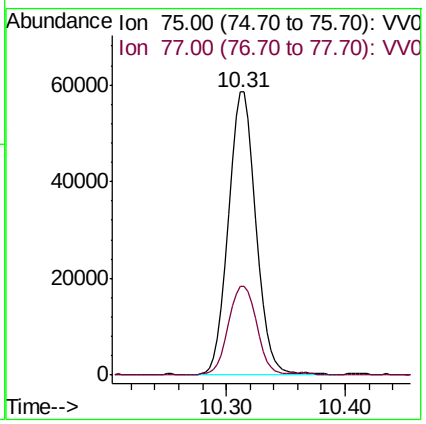


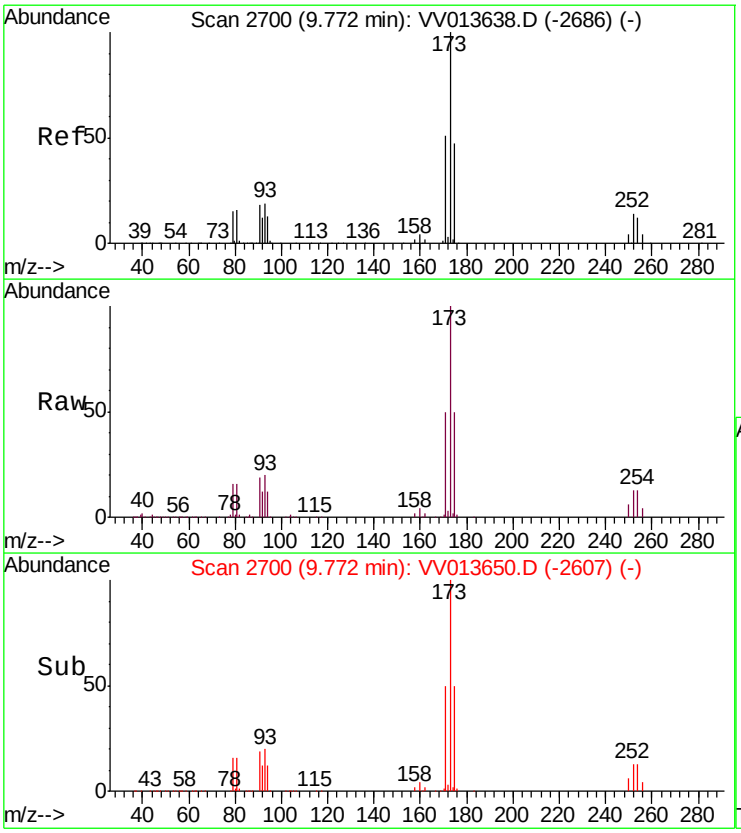

#59
1,2,3-Trichloropropane
Concen: 5.102 ug/L
RT: 10.31 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion: 75 Resp: 94569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 25.6 | 38.4 |

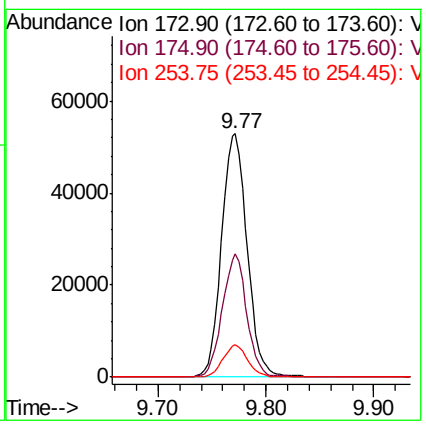


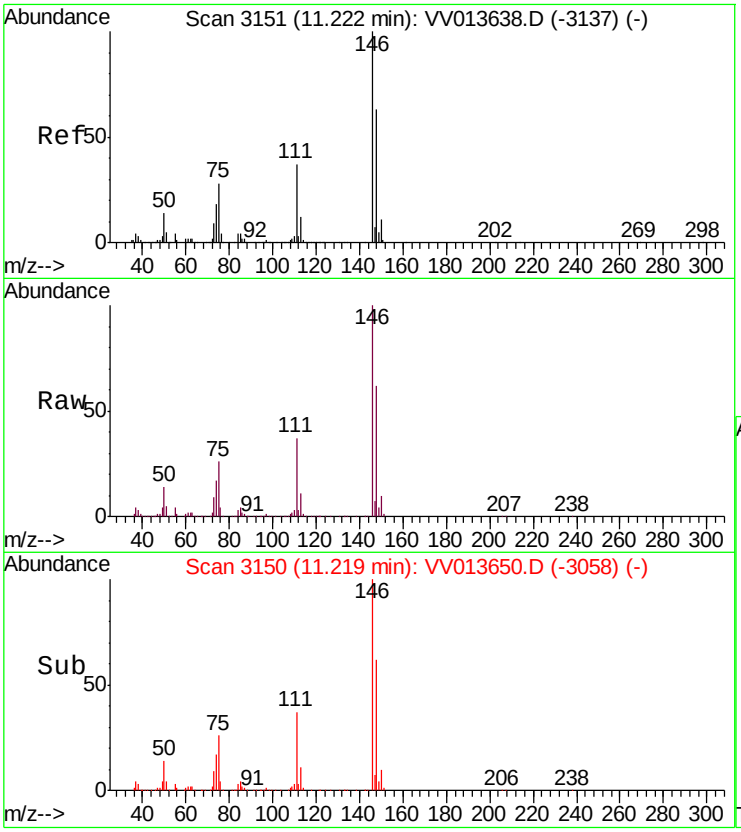




#61
Bromoform
Concen: 5.181 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:173 Resp: 87278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 38.2 | 57.2 |
| 254 | 12.7 | 10.4 | 15.6 |



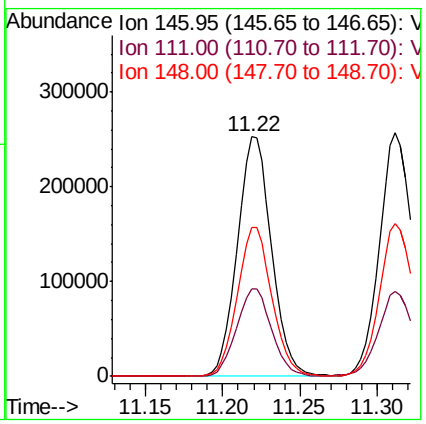


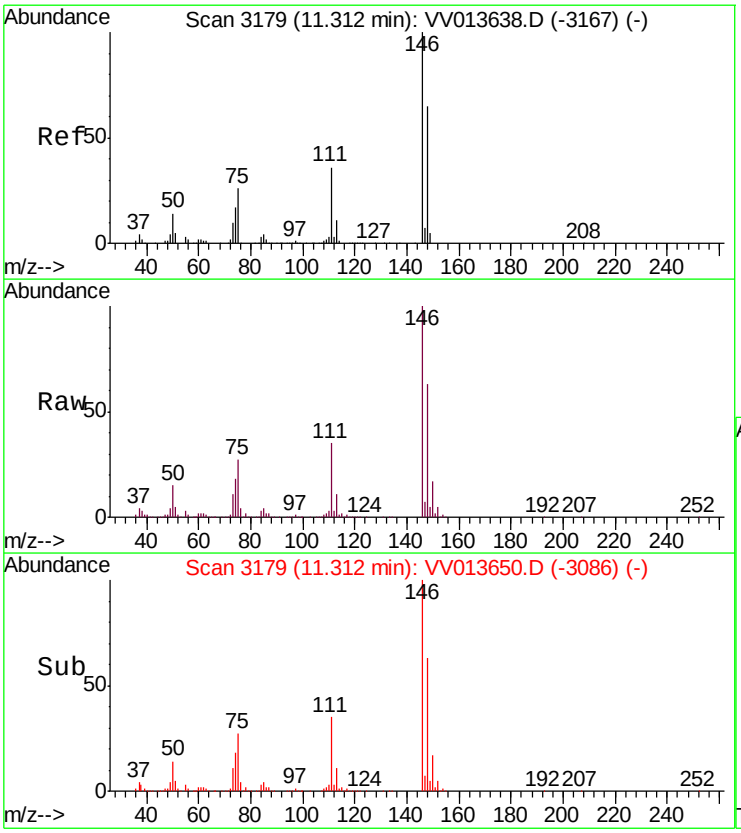

#62
1,3-Dichlorobenzene
Concen: 5.161 ug/L
RT: 11.22 min Scan# 3150
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00538

Tgt Ion:146 Resp: 389225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.5 | 26.2 | 48.6 |
| 148 | 62.3 | 44.4 | 82.5 |

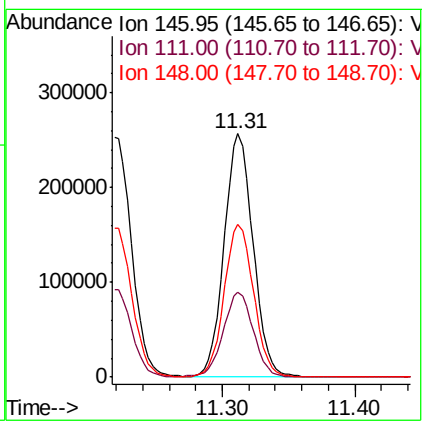


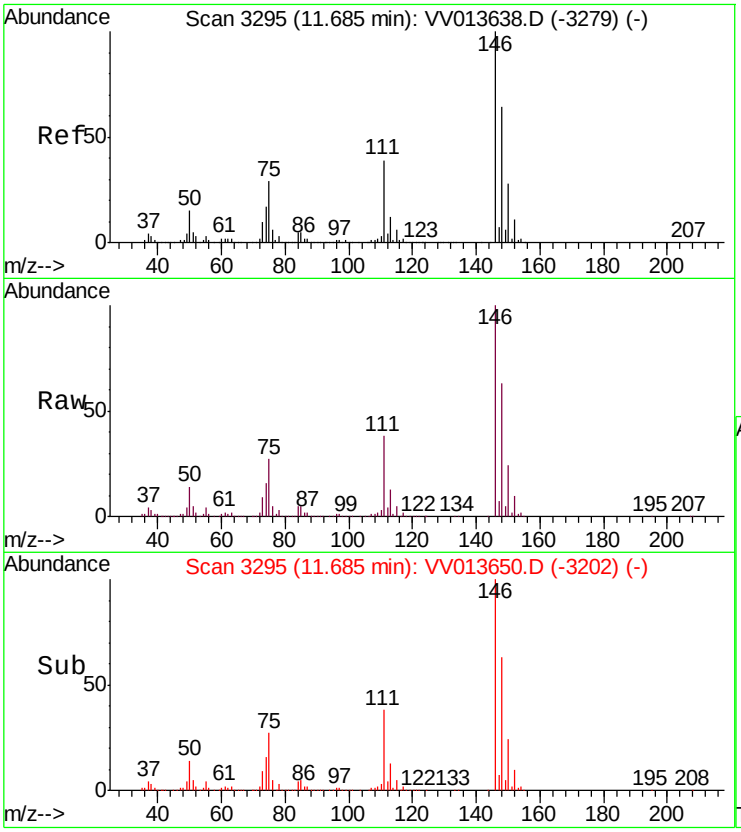




#63
1,4-Dichlorobenzene
Concen: 5.078 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:146 Resp: 388823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.0 | 25.6 | 47.6 |
| 148 | 62.6 | 45.6 | 84.8 |



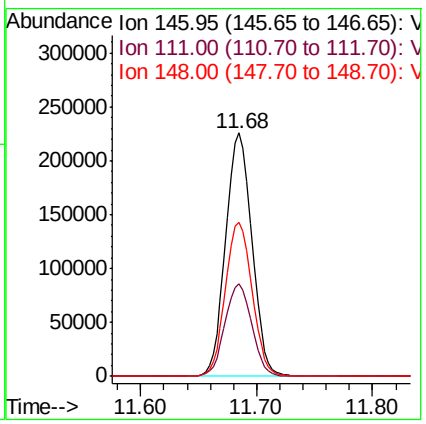


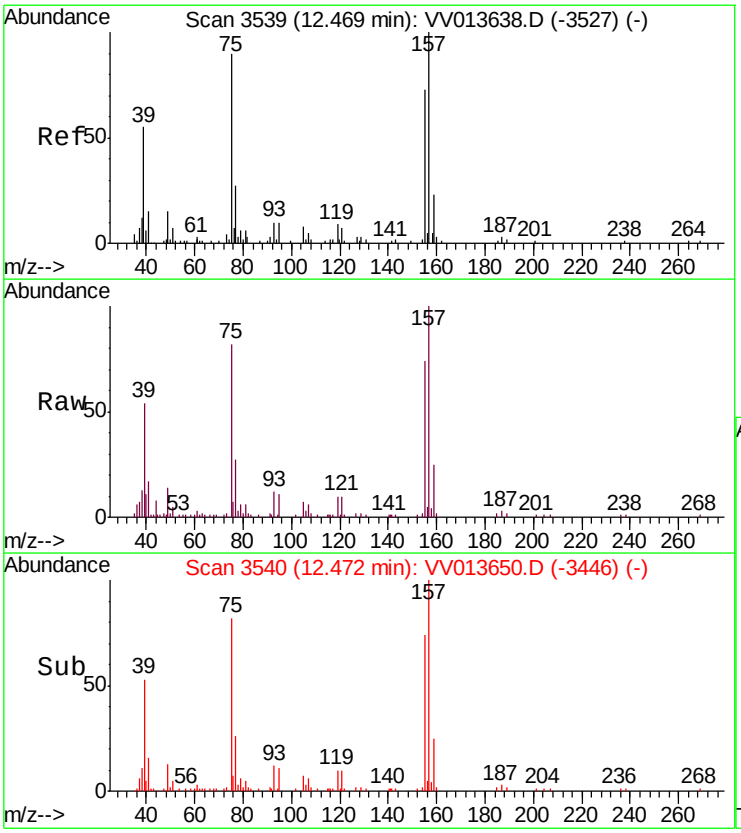

#65
1,2-Dichlorobenzene
Concen: 5.027 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion:146 Resp: 353110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.8 | 31.3 | 46.9 |
| 148 | 63.5 | 51.1 | 76.7 |

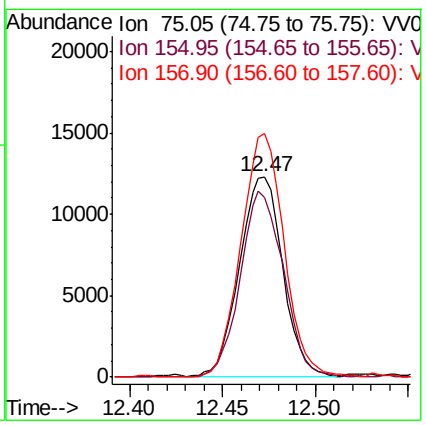


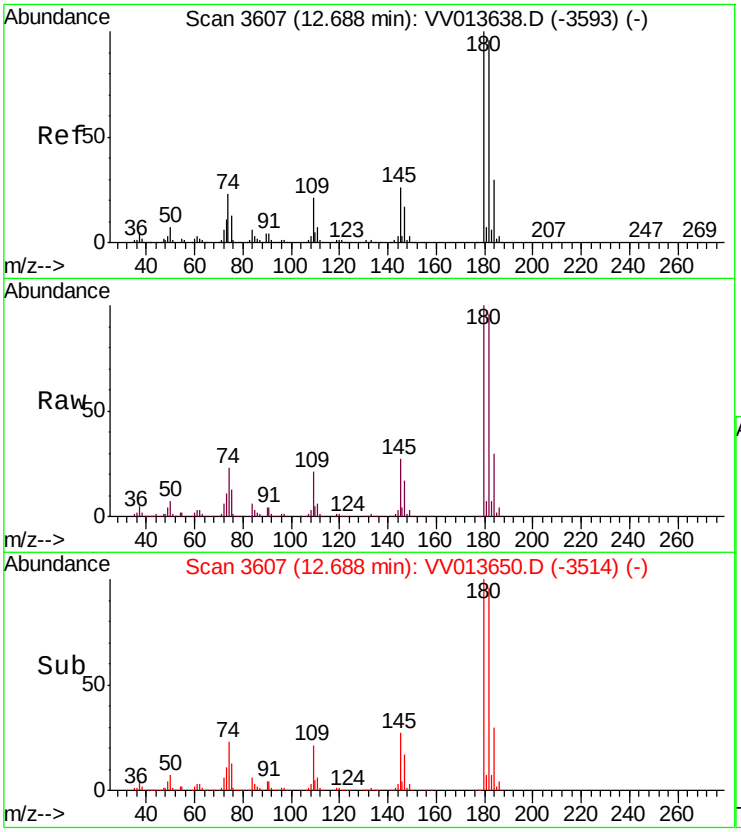




#66
1,2-Dibromo-3-chloropropane
Concen: 4.796 ug/L
RT: 12.47 min Scan# 3540
Delta R.T. 0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion: 75 Resp: 20115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 89.8 | 64.8 | 97.2 |
| 157 | 121.6 | 89.1 | 133.7 |



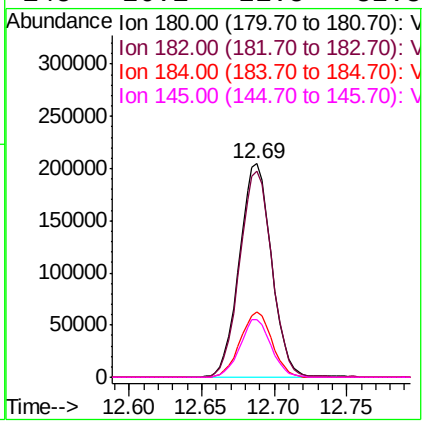


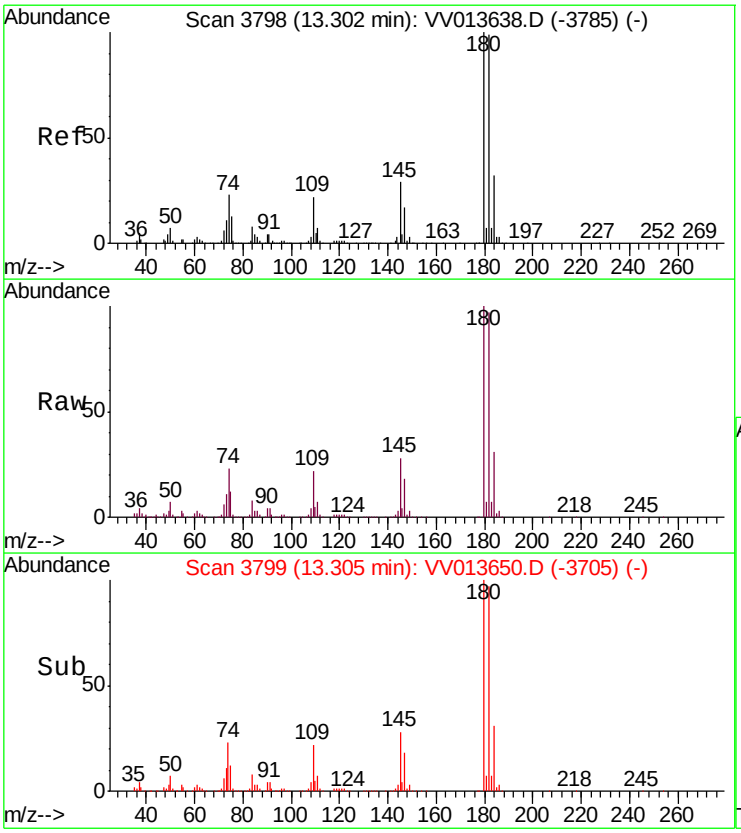

#67
1,3,5-Trichlorobenzene
Concen: 5.057 ug/L
RT: 12.69 min Scan# 3607
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion:180 Resp: 316534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 77.0 | 115.6 |
| 184 | 30.2 | 24.4 | 36.6 |
| 145 | 26.1 | 21.5 | 32.3 |

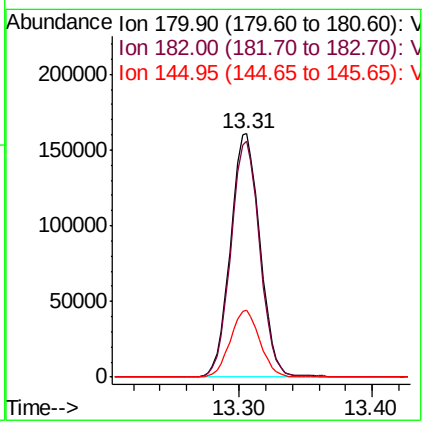


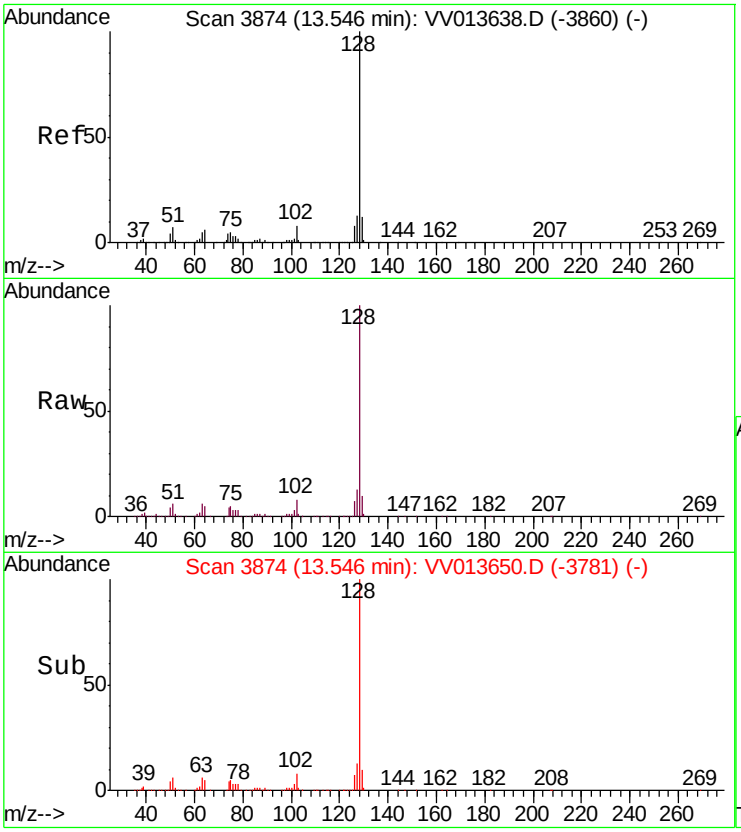




#68
1,2,4-trichlorobenzene
Concen: 4.823 ug/L
RT: 13.31 min Scan# 3799
Delta R.T. 0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:180 Resp: 247979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 77.2 | 115.8 |
| 145 | 27.4 | 22.6 | 33.8 |



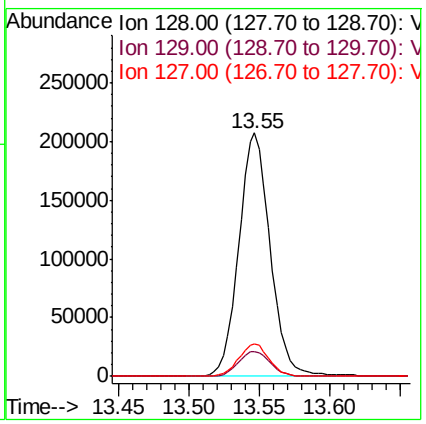


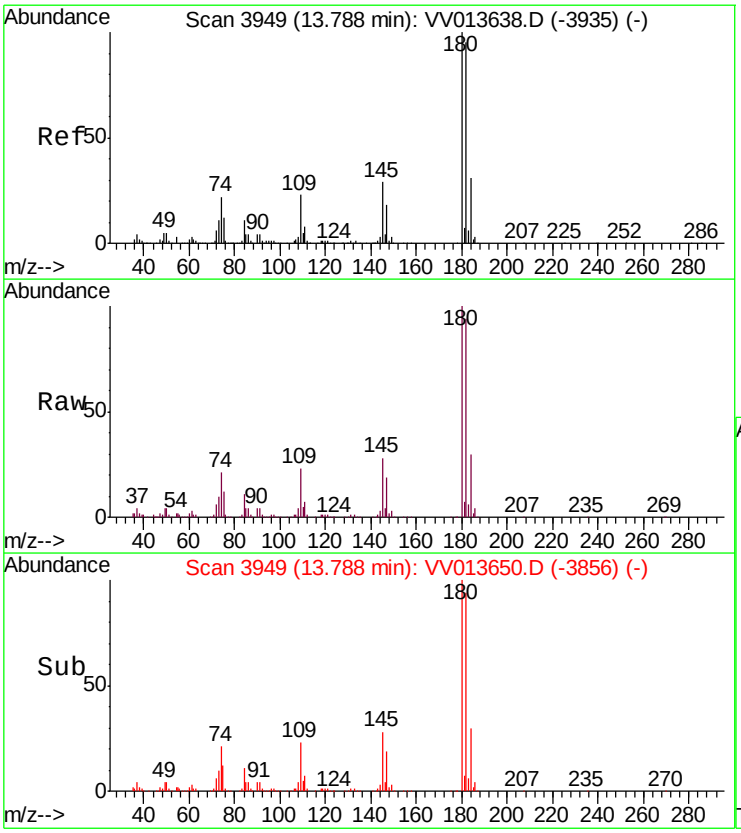

#69
Naphthalene
Concen: 4.606 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00538

Tgt Ion:128 Resp: 323482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 8.6 | 13.0 |
| 127 | 13.0 | 10.4 | 15.6 |




#70
1,2,3-Trichlorobenzene
Concen: 5.029 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV013650.D
Acq: 18 Nov 2019 10:43

Tgt Ion:180 Resp: 236214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 75.6 | 113.4 |
| 145 | 28.5 | 23.4 | 35.0 |