Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083019\

Quantitation Report (Not Reviewed)

Data File : VV012457.D
Acq On : 30 Aug 2019 15:10
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Quant Time: Aug 31 00:12:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 31 00:07:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 244673 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 244409 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 119911 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 89936 | 4.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 82.40% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 69051 | 4.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 87.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 160595 | 4.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 89.80% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 205221 | 46.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 92.34% | | | |
| 24) Chloroform-d | 4.40 | 84 | 168059 | 4.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 81298 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 89.40% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 325708 | 4.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 100596 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 86.80% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 304686 | 4.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 92.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 36904 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 90.20% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 149699 | 46.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 93.04% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 72393 | 4.40 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 88.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 102593 | 4.40 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 88.00% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.14 | 85 | 162466 | 4.944 | ug/L | 98 |
| 3) Chloromethane | 1.25 | 50 | 152141 | 4.704 | ug/L | 99 |
| 5) Vinyl chloride | 1.32 | 62 | 143975 | 4.713 | ug/L | 100 |
| 6) Bromomethane | 1.54 | 94 | 78895 | 4.755 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 77412 | 4.723 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 193428 | 4.888 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 99414 | 5.055 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 89312 | 4.816 | ug/L | 99 |
| 13) Acetone | 2.22 | 43 | 160148 | 49.312 | ug/L | 99 |
| 14) Carbon disulfide | 2.32 | 76 | 276180 | 4.873 | ug/L | 100 |
| 15) Methyl Acetate | 2.47 | 43 | 37750 | 4.721 | ug/L | 98 |
| 16) Methylene chloride | 2.53 | 84 | 95165 | 4.489 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 249406 | 4.894 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 115063 | 4.845 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 227103 | 4.885 | ug/L | 99 |
| 21) 2-Butanone | 4.04 | 43 | 304157 | 50.945 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 119655 | 4.813 | ug/L | 95 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083019\

Quantitation Report (Not Reviewed)

Data File : VV012457.D
Acq On : 30 Aug 2019 15:10
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Quant Time: Aug 31 00:12:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 31 00:07:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 52623 | 4.874 | ug/L | 96 |
| 25) Chloroform | 4.42 | 83 | 226989 | 4.661 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 135903 | 4.976 | ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 188528 | 4.762 | ug/L | 97 |
| 30) Cyclohexane | 4.72 | 56 | 198233 | 4.967 | ug/L | 97 |
| 31) Carbon tetrachloride | 4.87 | 117 | 167553 | 4.811 | ug/L | 98 |
| 33) Benzene | 5.14 | 78 | 499713 | 4.939 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 123542 | 4.793 | ug/L | 99 |
| 35) Methylcyclohexane | 6.17 | 83 | 198063 | 5.050 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 129156 | 4.895 | ug/L | 100 |
| 38) Bromodichloromethane | 6.55 | 83 | 155202 | 4.730 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 166273 | 4.870 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 758141 | 50.696 | ug/L | 98 |
| 42) Toluene | 7.43 | 91 | 525469 | 5.074 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 128861 | 4.859 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 81683 | 4.667 | ug/L | 98 |
| 47) Tetrachloroethene | 8.02 | 164 | 102564 | 4.970 | ug/L | 98 |
| 48) 2-Hexanone | 8.19 | 43 | 545637 | 53.571 | ug/L | 97 |
| 49) Dibromochloromethane | 8.29 | 129 | 98360 | 4.880 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 73609 | 4.761 | ug/L | 96 |
| 51) Chlorobenzene | 8.92 | 112 | 313304 | 4.774 | ug/L | 99 |
| 52) Ethylbenzene | 9.05 | 91 | 548707 | 5.013 | ug/L | 99 |
| 53) m,p-xylene | 9.18 | 106 | 208988 | 5.209 | ug/L | 97 |
| 54) o-xylene | 9.59 | 106 | 200952 | 5.130 | ug/L | 96 |
| 55) Styrene | 9.60 | 104 | 347842 | 5.290 | ug/L | 99 |
| 56) Isopropylbenzene | 9.97 | 105 | 532767 | 5.165 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 96796 | 4.701 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 70626 | 4.819 | ug/L | 99 |
| 61) Bromoform | 9.77 | 173 | 51295 | 4.600 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.22 | 146 | 249225 | 4.967 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 245243 | 4.878 | ug/L | 100 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 230091 | 4.863 | ug/L | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 14272 | 4.481 | ug/L | 93 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 184022 | 4.915 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 134620 | 4.904 | ug/L | 98 |
| 69) Naphthalene | 13.55 | 128 | 186101 | 4.685 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 132027 | 5.007 | ug/L | 97 |

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

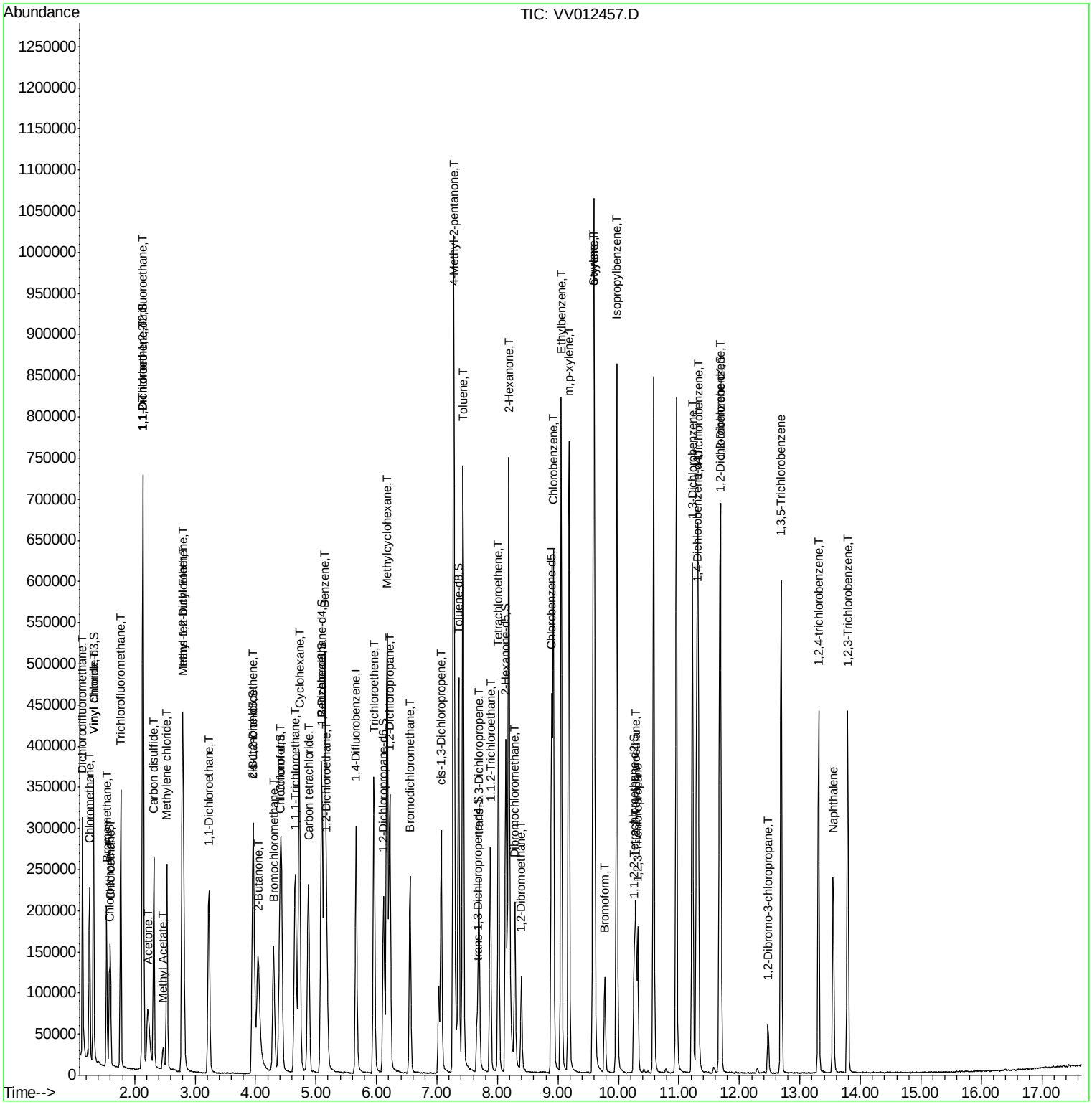
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083019\

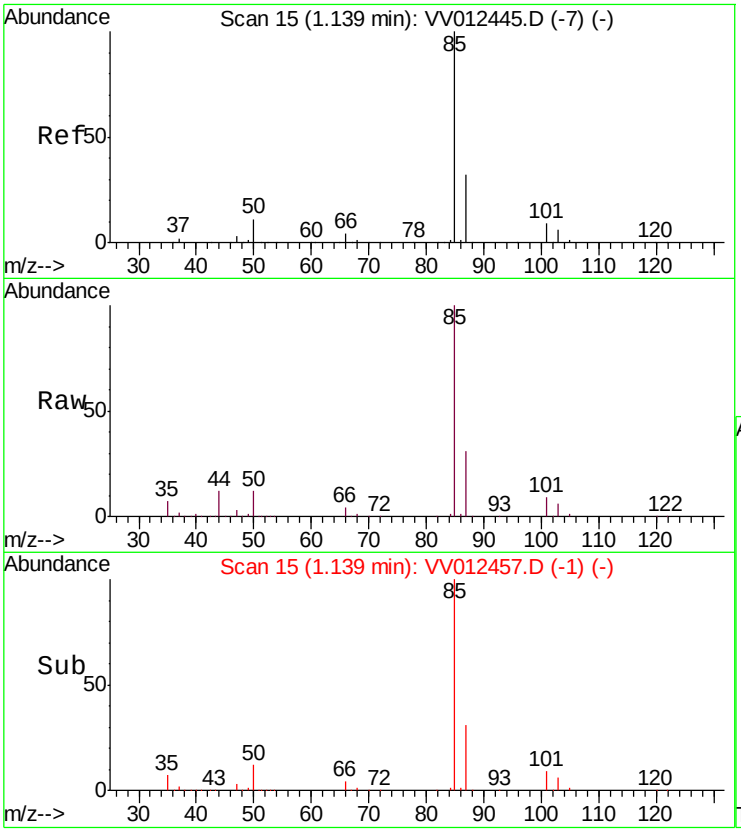
Quantitation Report (Not Reviewed)

Data File : VV012457.D
Acq On : 30 Aug 2019 15:10
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Quant Time: Aug 31 00:12:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 31 00:07:21 2019
Response via : Initial Calibration



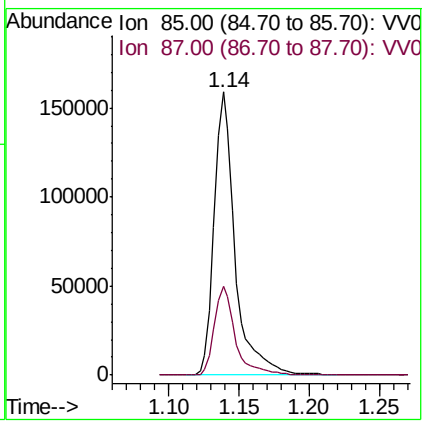


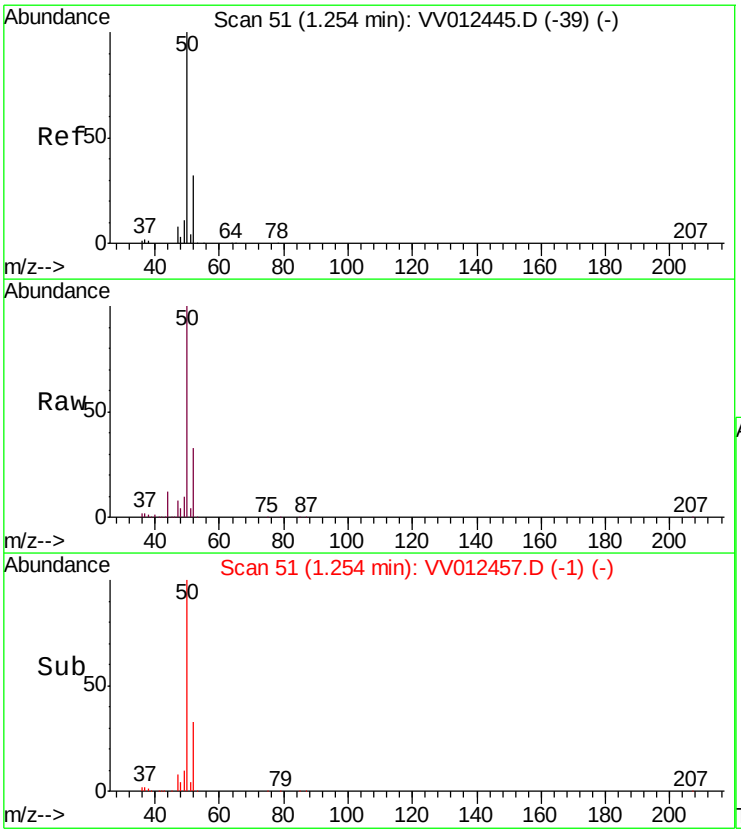

#2
Dichlorodifluoromethane
Concen: 4.944 ug/L
RT: 1.14 min Scan# 15
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 85 Resp: 162466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.6 | 26.3 | 39.5 |

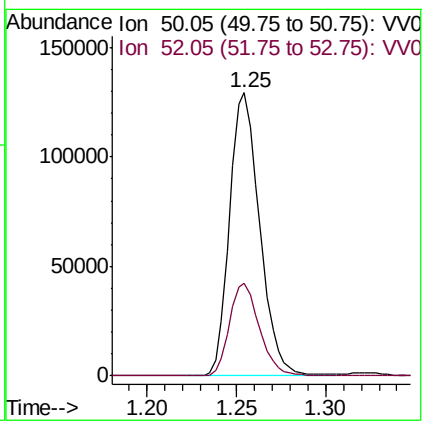


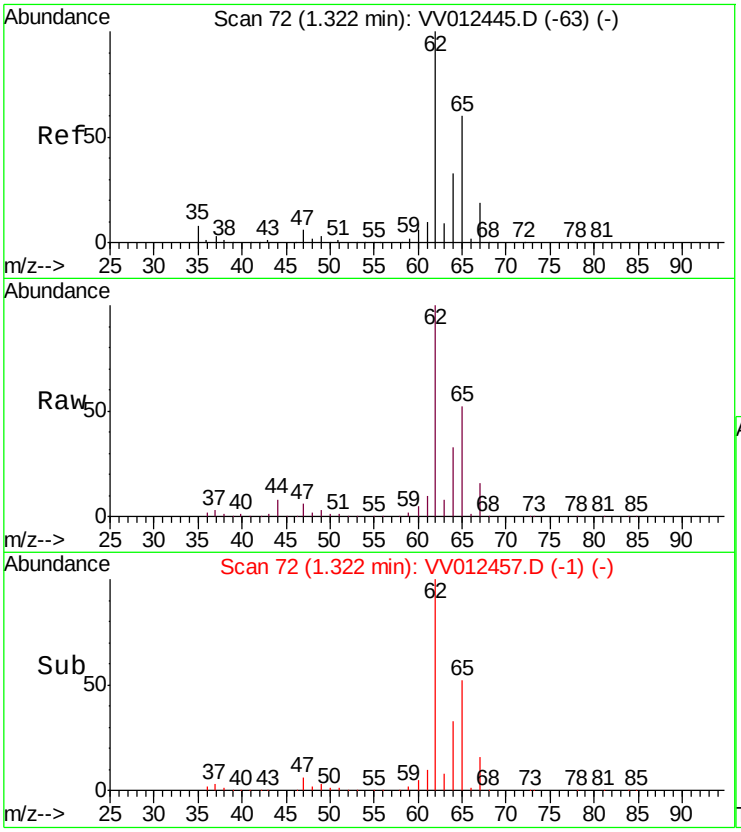




#3
Chloromethane
Concen: 4.704 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 50 Resp: 152141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.8 | 22.5 | 41.9 |



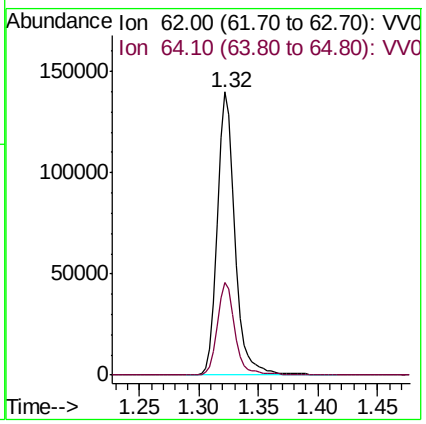


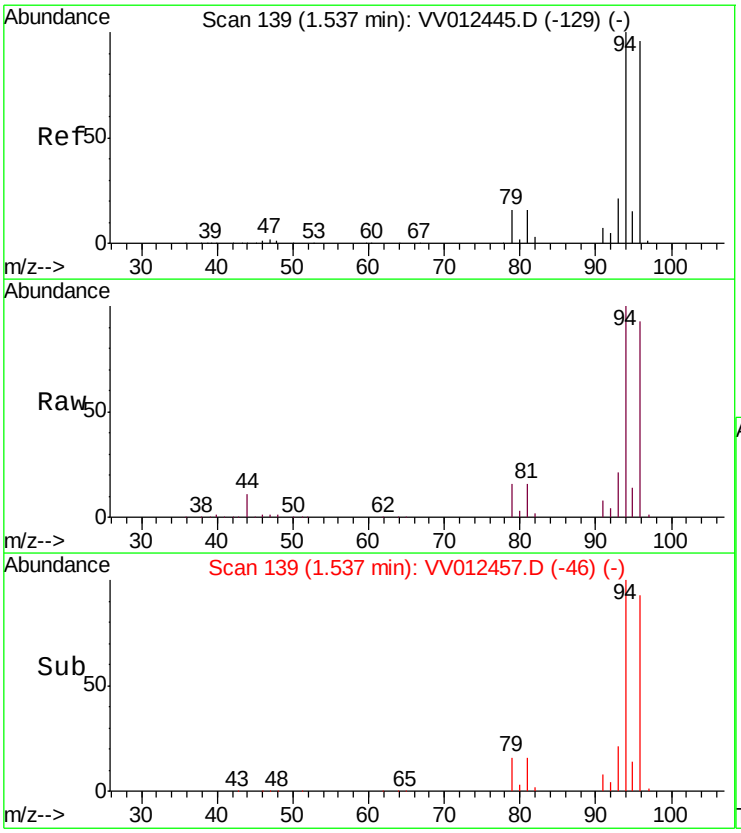

#5
Vinyl chloride
Concen: 4.713 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 62 Resp: 143975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 22.7 | 42.3 |

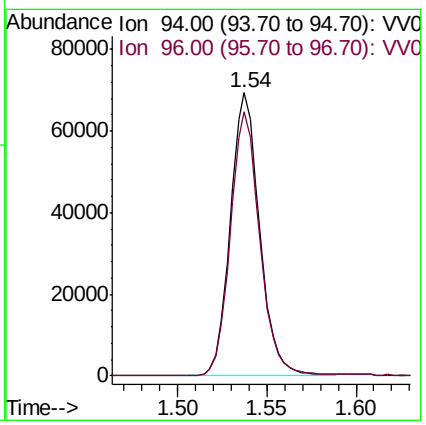


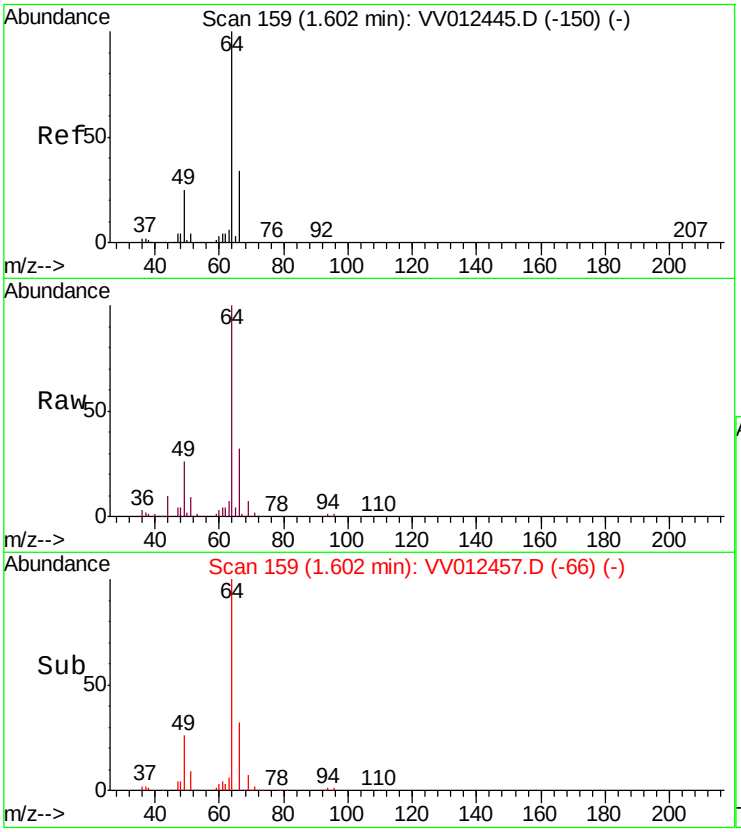




#6
Bromomethane
Concen: 4.755 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 94 Resp: 78895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.2 | 64.0 | 119.0 |



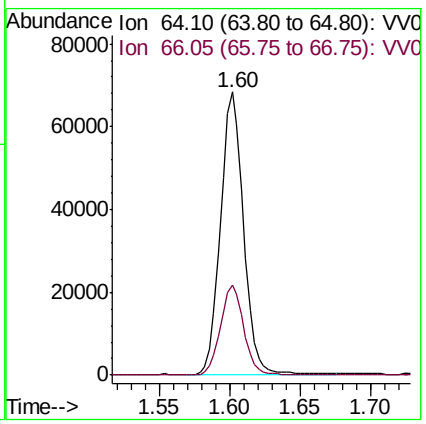


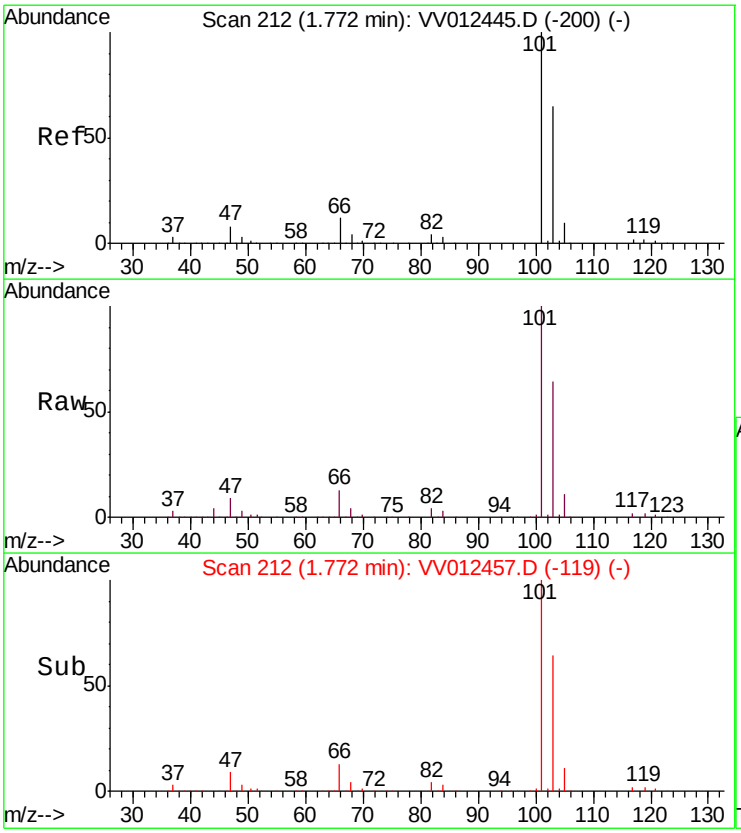

#8
Chloroethane
Concen: 4.723 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion: 64 Resp: 77412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 22.5 | 41.7 |

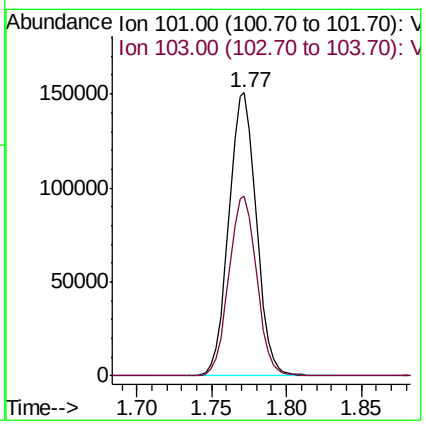


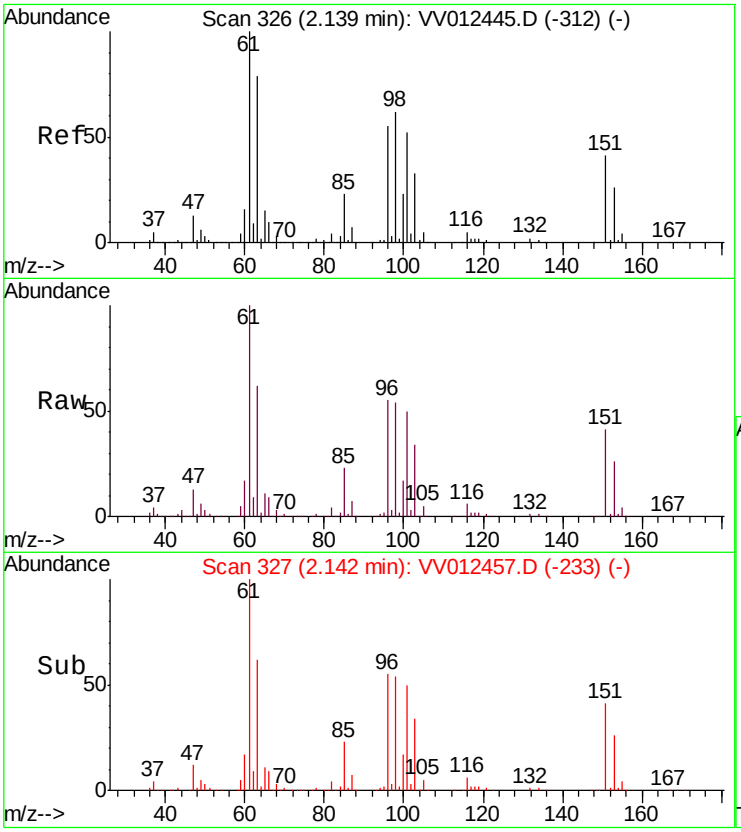




#9
Trichlorofluoromethane
Concen: 4.888 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:101 Resp: 193428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.3 | 53.0 | 79.4 |



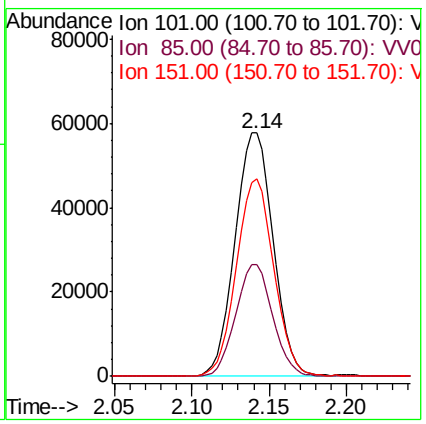


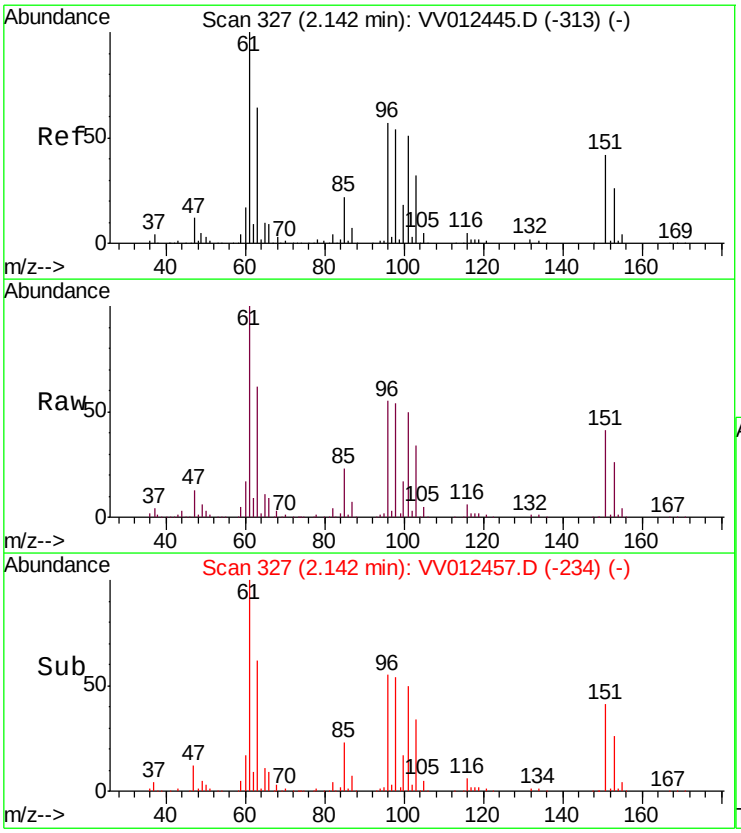

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.055 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion:101 Resp: 99414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.4 | 35.4 | 53.2 |
| 151 | 79.6 | 64.4 | 96.6 |

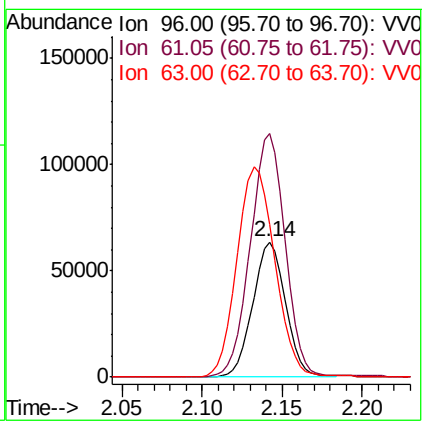


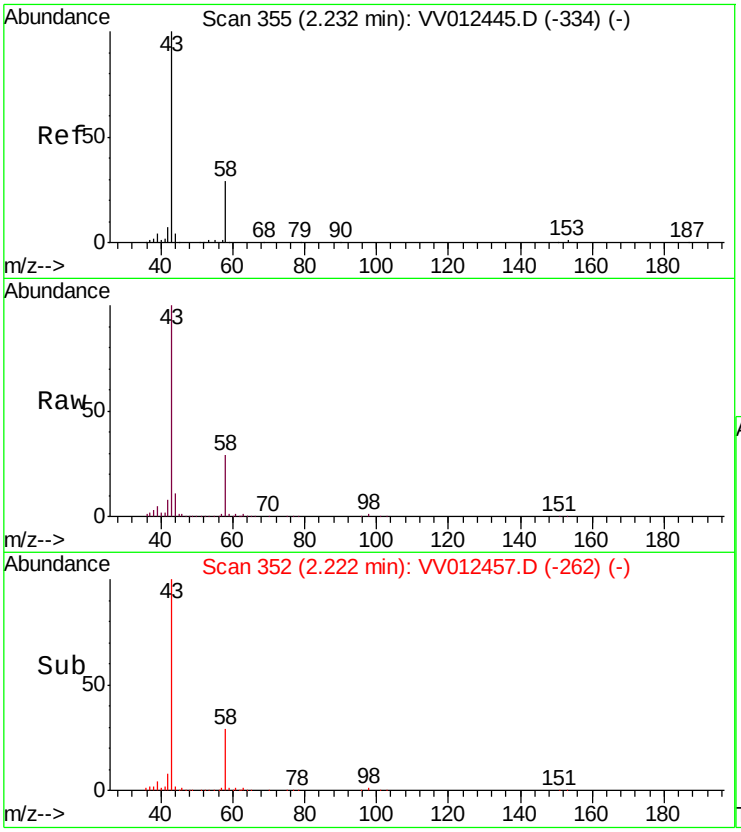




#12
1,1-Dichloroethene
Concen: 4.816 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 96 Resp: 89312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 180.5 | 127.8 | 237.4 |
| 63 | 112.8 | 78.2 | 145.2 |



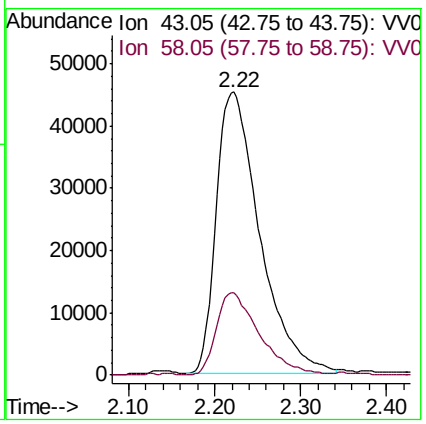


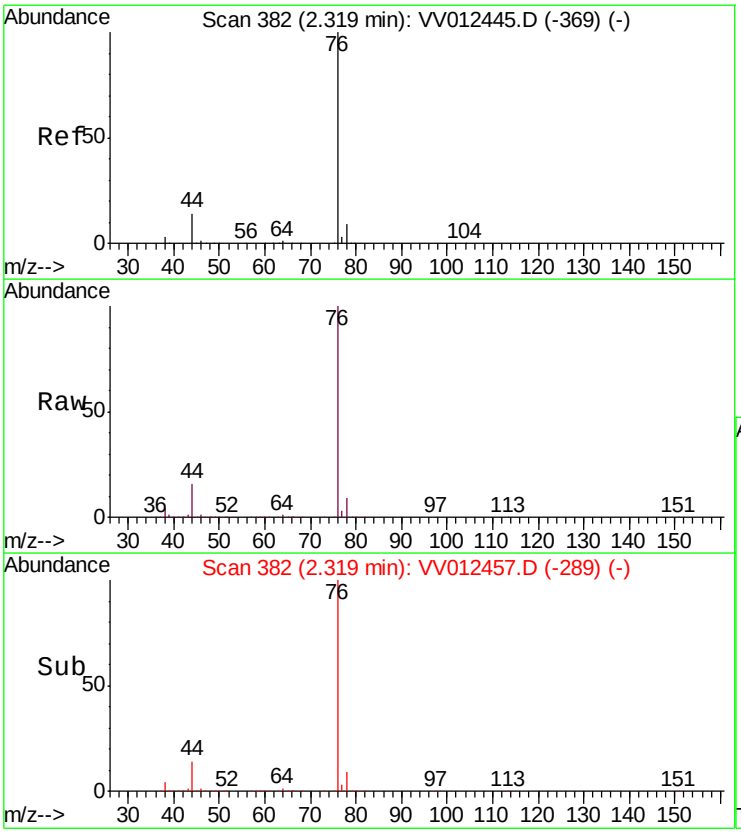

#13
Acetone
Concen: 49.312 ug/L
RT: 2.22 min Scan# 352
Delta R.T. -0.01 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 43 Resp: 160148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 0.0 | 56.8 |

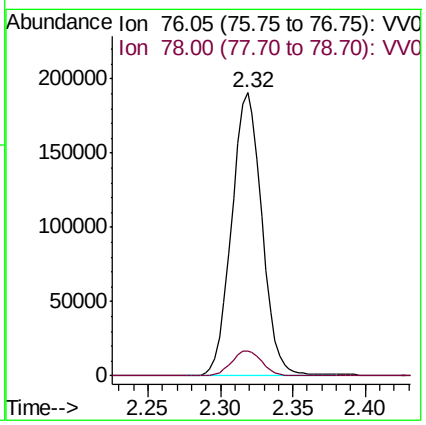


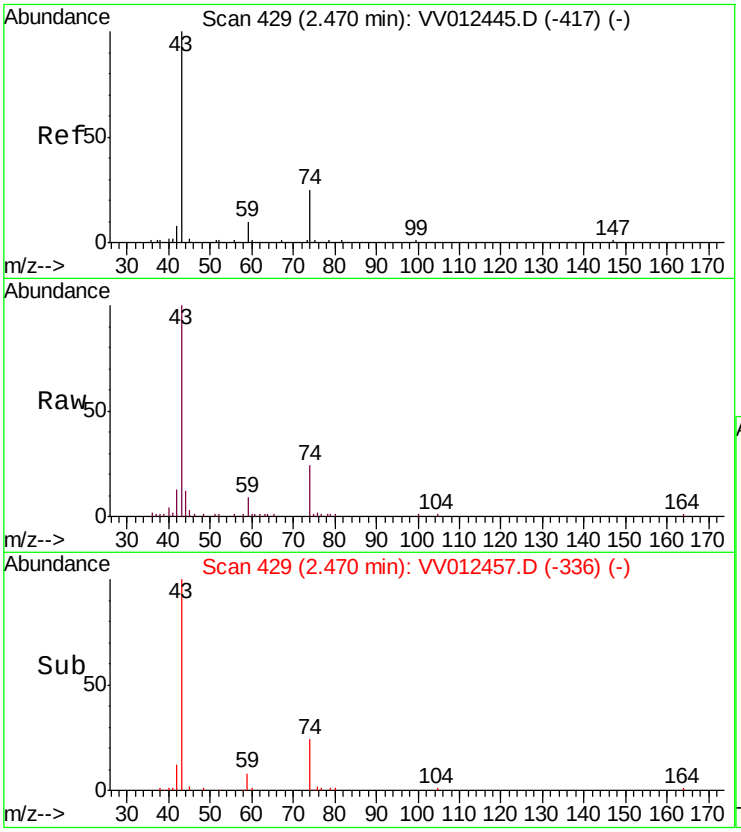




#14
Carbon disulfide
Concen: 4.873 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 76 Resp: 276180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.2 | 10.8 |



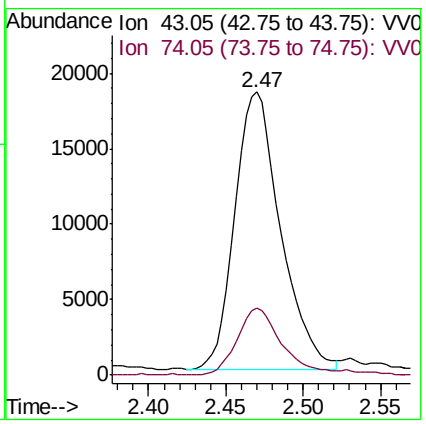


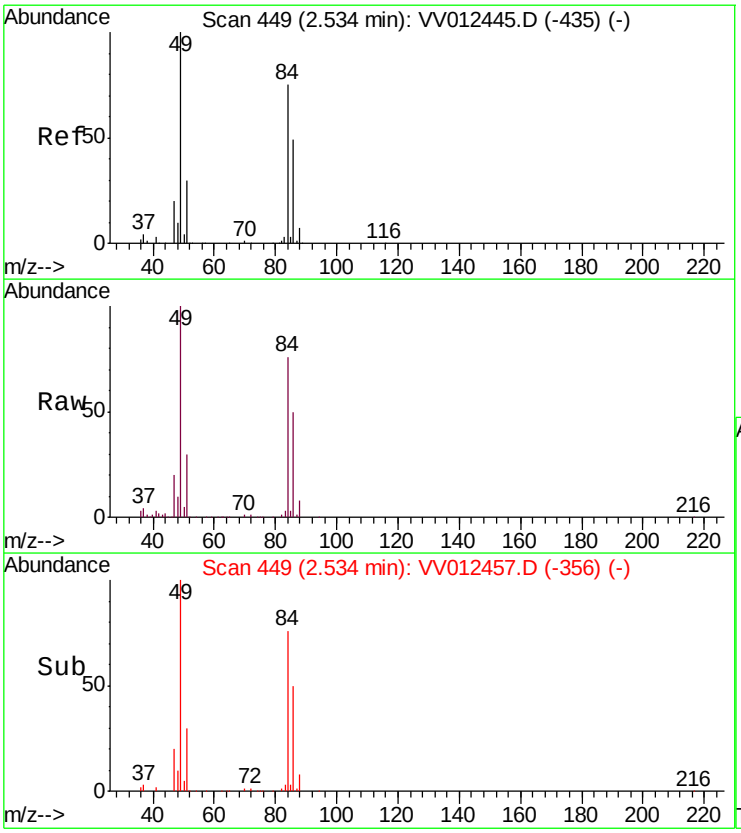

#15
Methyl Acetate
Concen: 4.721 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion: 43 Resp: 37750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 18.1 | 27.1 |

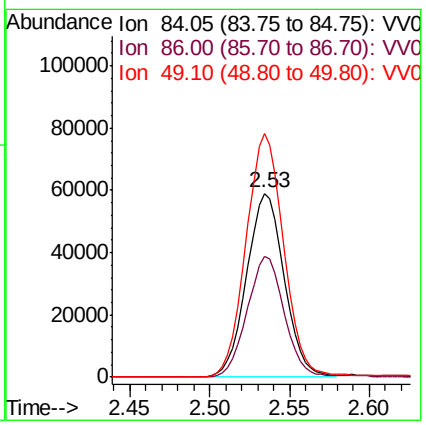


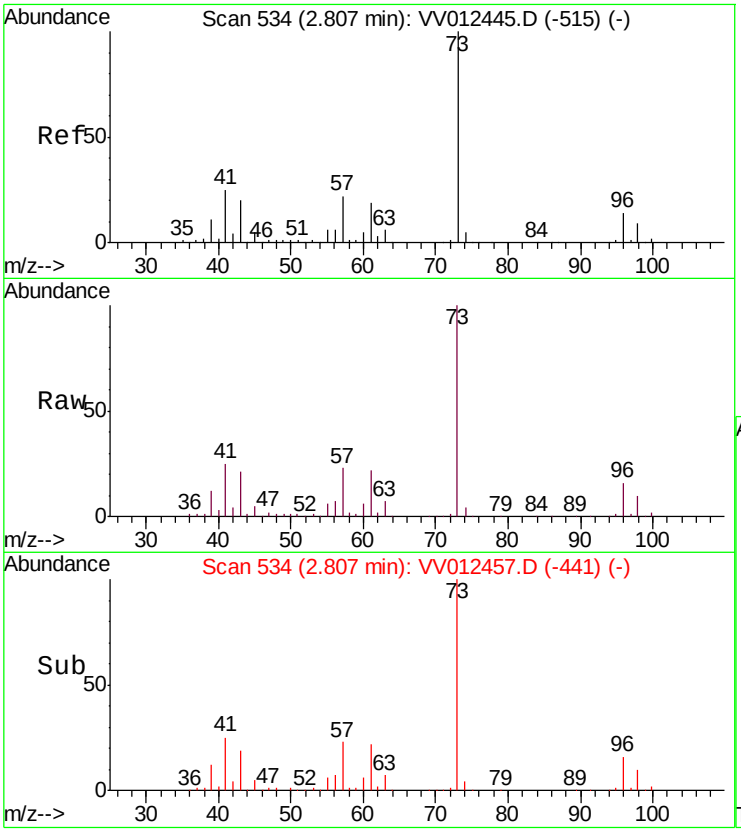




#16
Methylene chloride
Concen: 4.489 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 84 Resp: 95165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.8 | 45.2 | 84.0 |
| 49 | 132.3 | 95.1 | 176.7 |



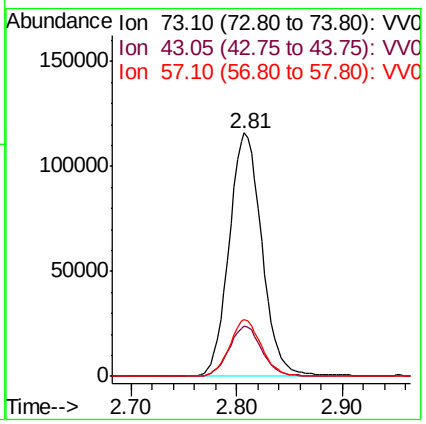


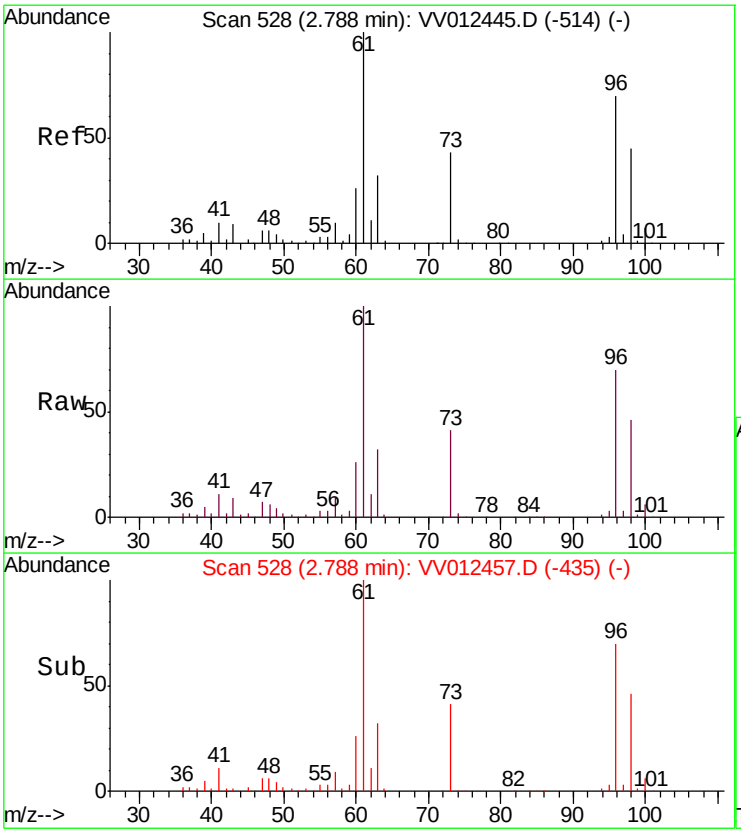

#17
Methyl tert-butyl Ether
Concen: 4.894 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 73 Resp: 249406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 20.3 | 16.1 | 24.1 |
| 57 | 22.6 | 18.8 | 28.2 |

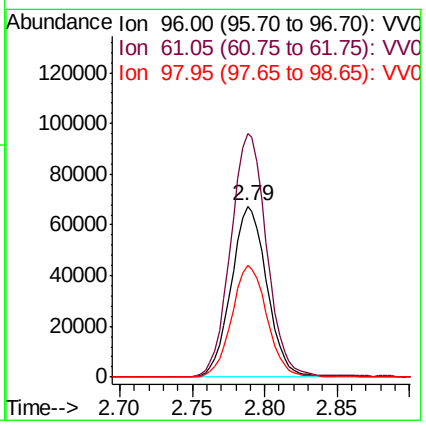


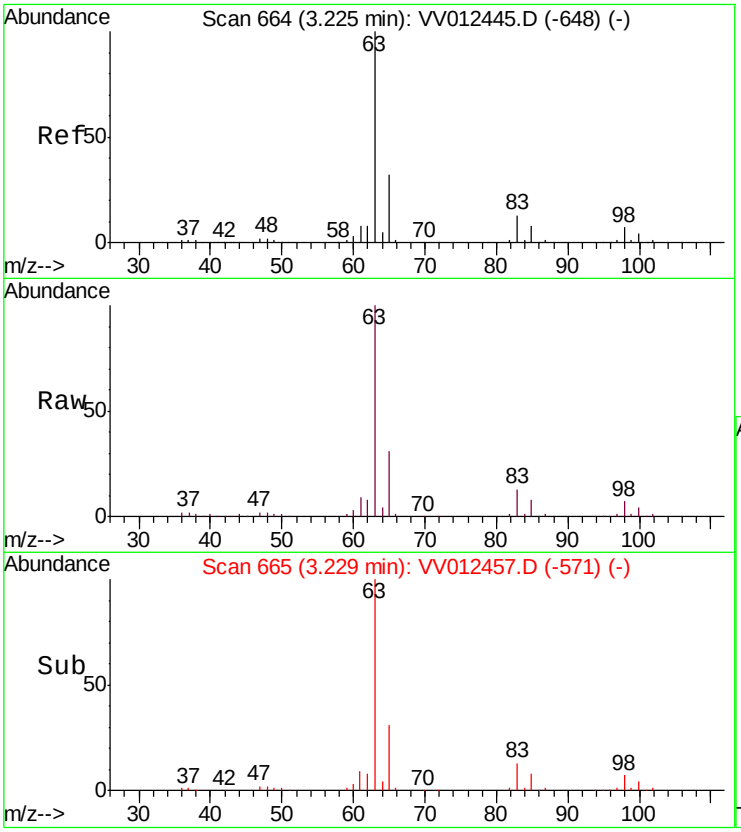




#18
trans-1,2-Dichloroethene
Concen: 4.845 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 96 Resp: 115063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.7 | 101.2 | 188.0 |
| 98 | 65.1 | 44.1 | 81.9 |



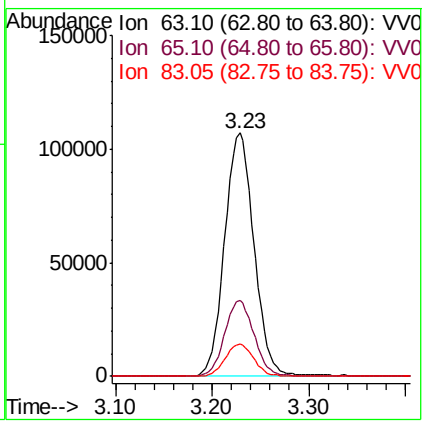


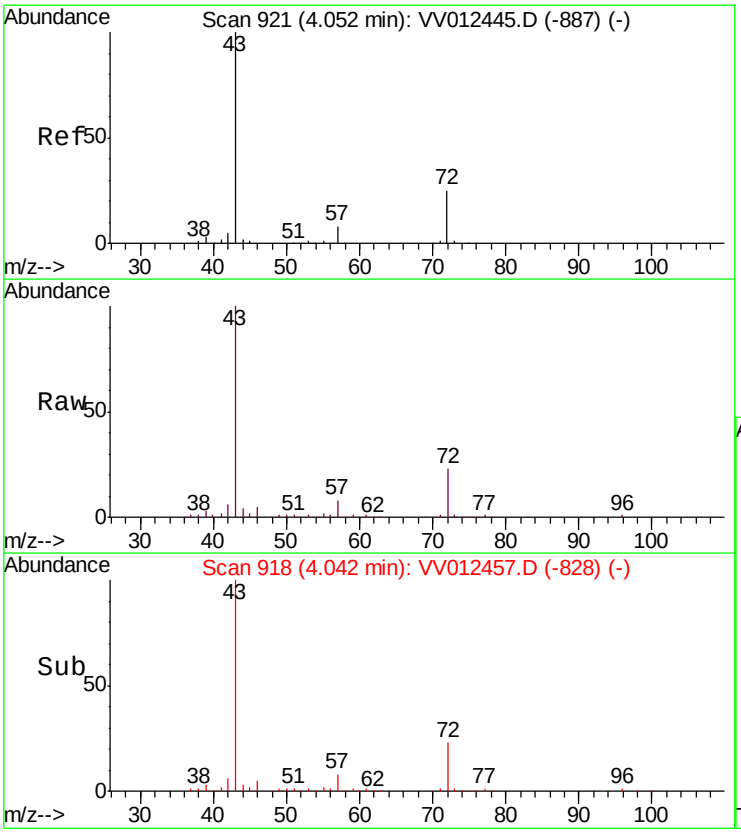

#19
1,1-Dichloroethane
Concen: 4.885 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion: 63 Resp: 227103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 21.6 | 40.2 |
| 83 | 13.1 | 9.0 | 16.8 |

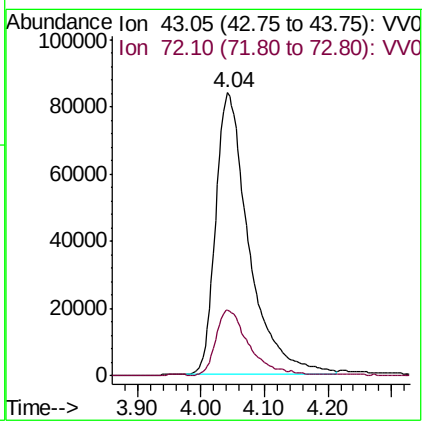


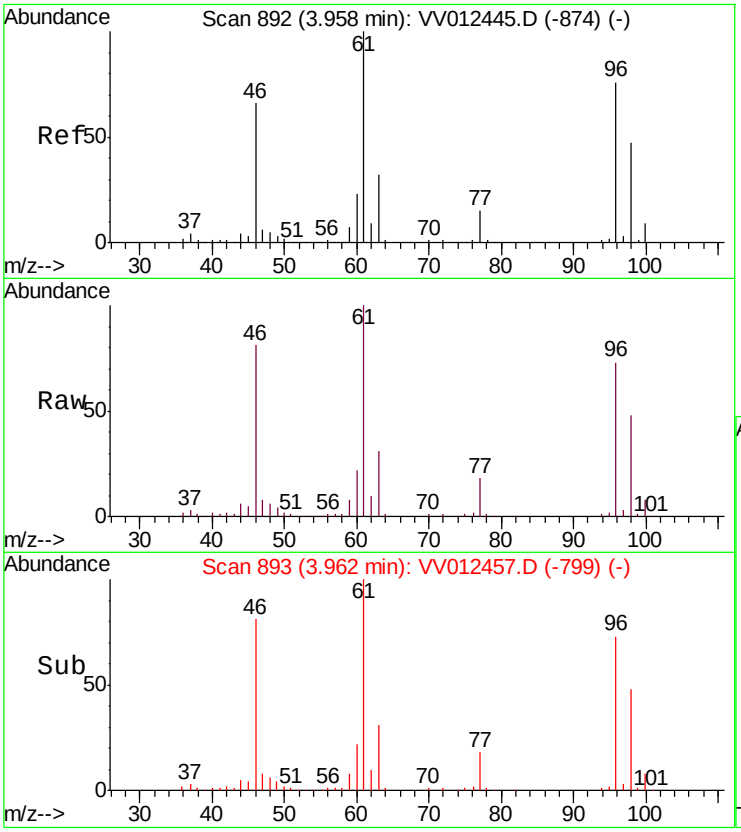




#21
2-Butanone
Concen: 50.945 ug/L
RT: 4.04 min Scan# 918
Delta R.T. -0.01 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 43 Resp: 304157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 11.8 | 35.3 |



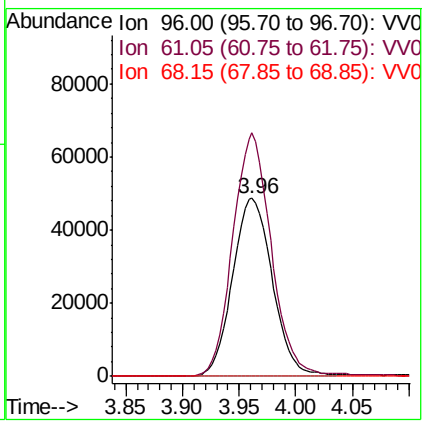


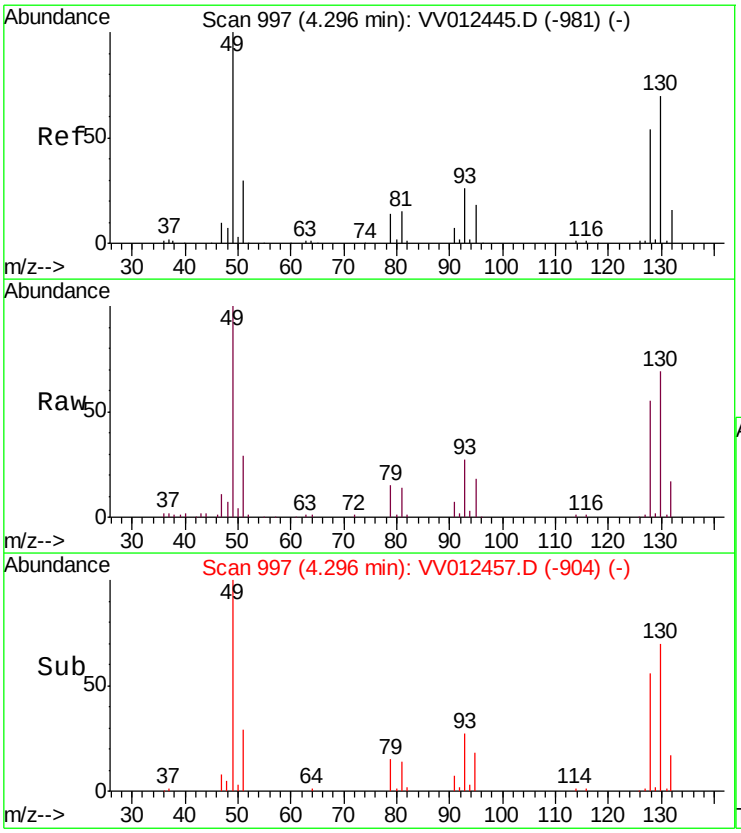

#22
cis-1,2-Dichloroethene
Concen: 4.813 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 96 Resp: 119655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.8 | 91.5 | 169.9 |
| 68 | 0.0 | 0.0 | 0.0 |

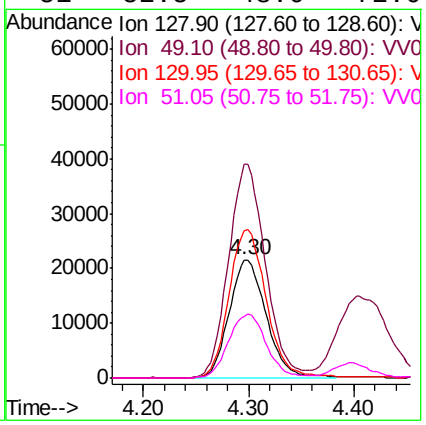


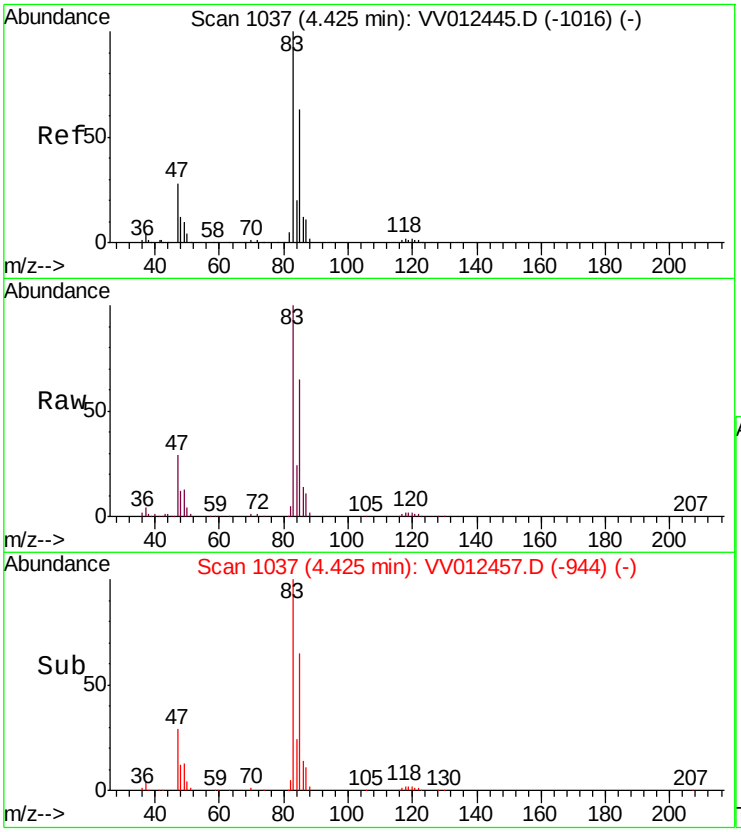




#23
Bromochloromethane
Concen: 4.874 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:128 Resp: 52623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 180.7 | 127.7 | 237.3 |
| 130 | 124.8 | 84.1 | 156.1 |
| 51 | 52.5 | 48.0 | 72.0 |



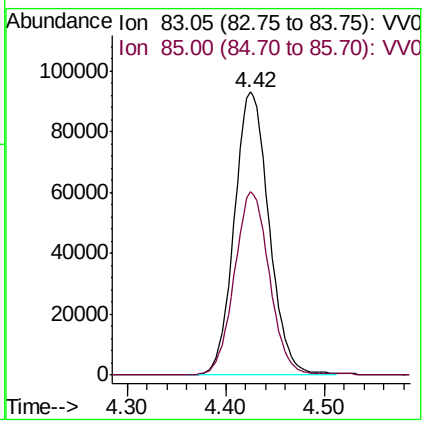


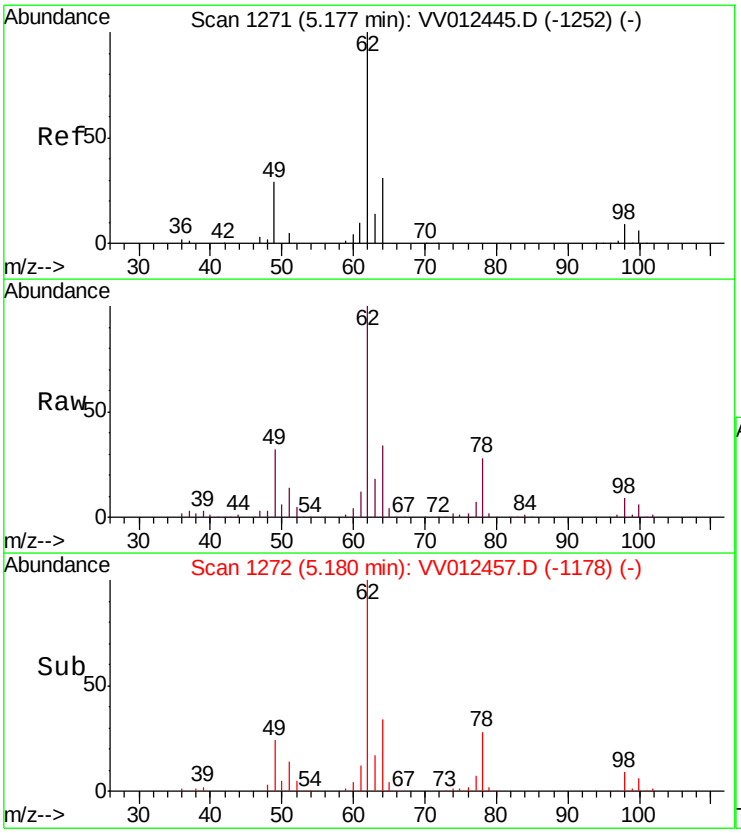

#25
Chloroform
Concen: 4.661 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 83 Resp: 226989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 45.4 | 84.4 |

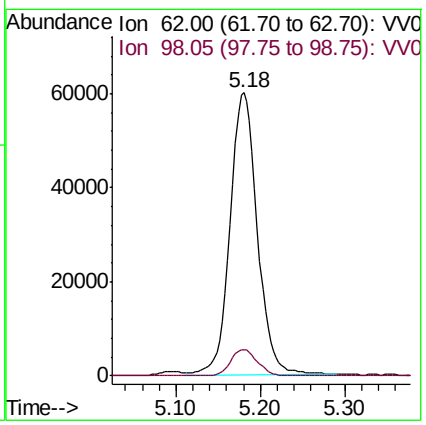


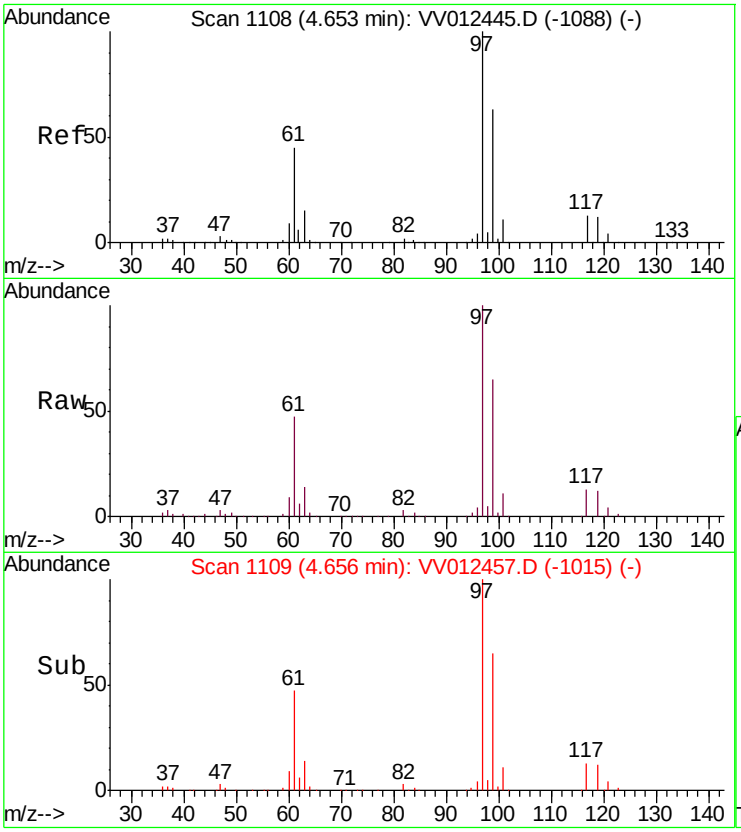




#27
1,2-Dichloroethane
Concen: 4.976 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 62 Resp: 135903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 8.3 | 12.5 |



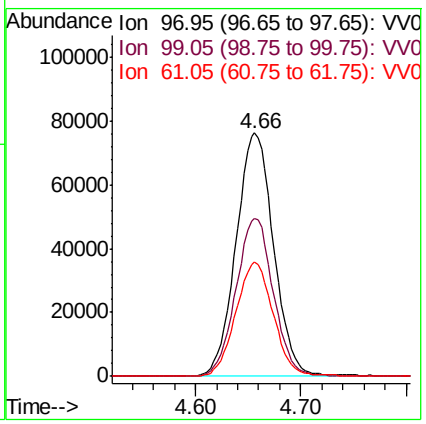


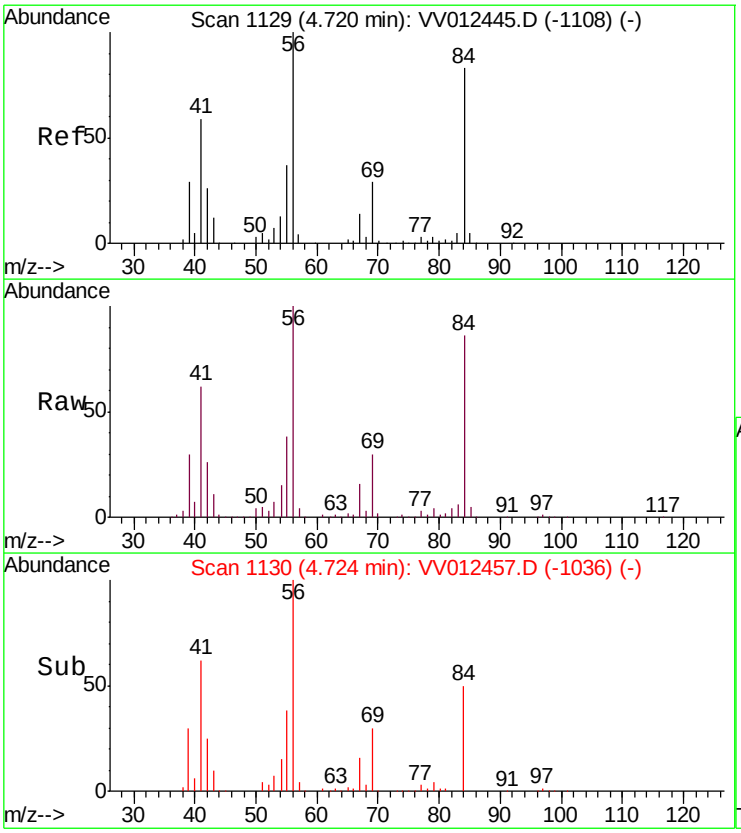

#29
1,1,1-Trichloroethane
Concen: 4.762 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 97 Resp: 188528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 49.8 | 74.6 |
| 61 | 47.0 | 36.7 | 55.1 |

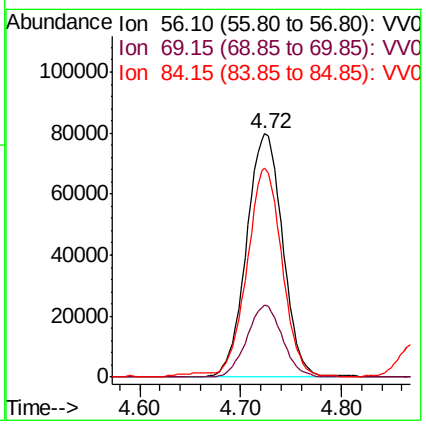


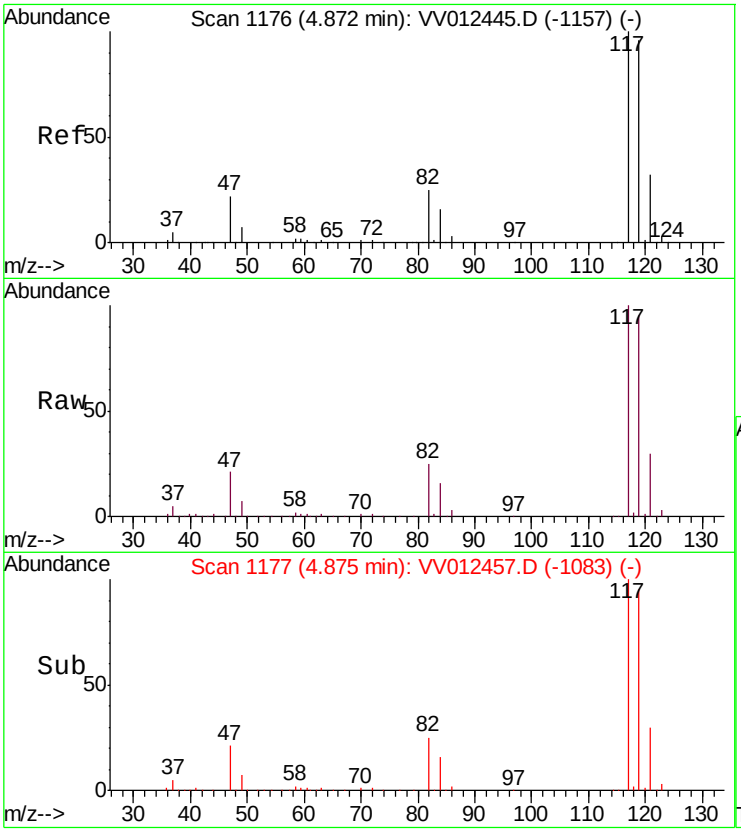




#30
Cyclohexane
Concen: 4.967 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 56 Resp: 198233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.8 | 24.4 | 36.6 |
| 84 | 82.6 | 67.8 | 101.6 |



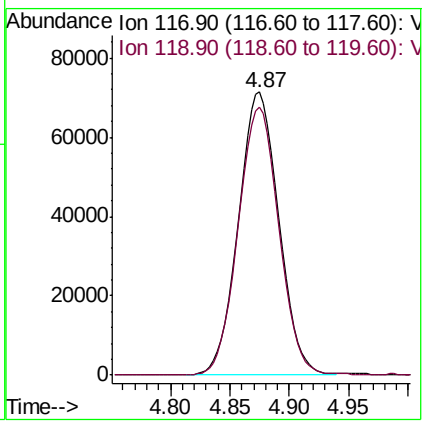


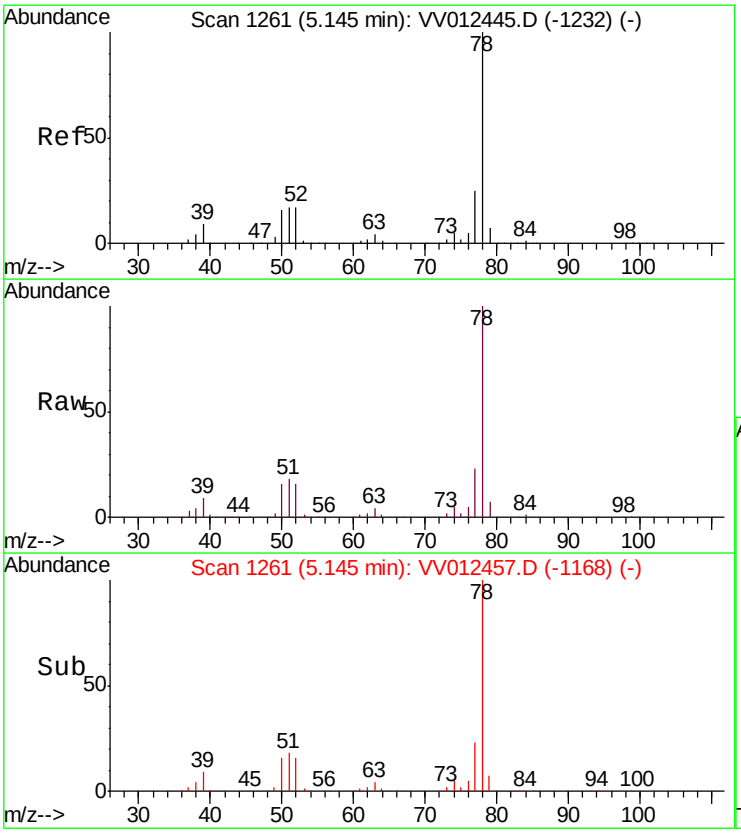

#31
Carbon tetrachloride
Concen: 4.811 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion:117 Resp: 167553

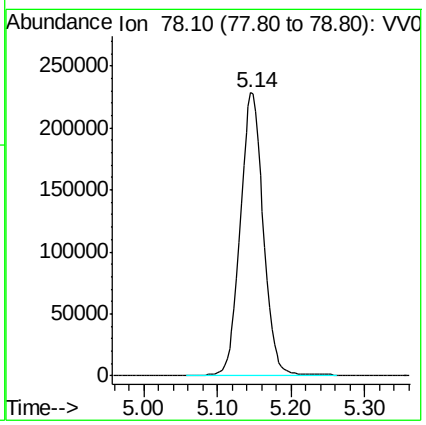
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.4 | 77.8 | 116.8 |

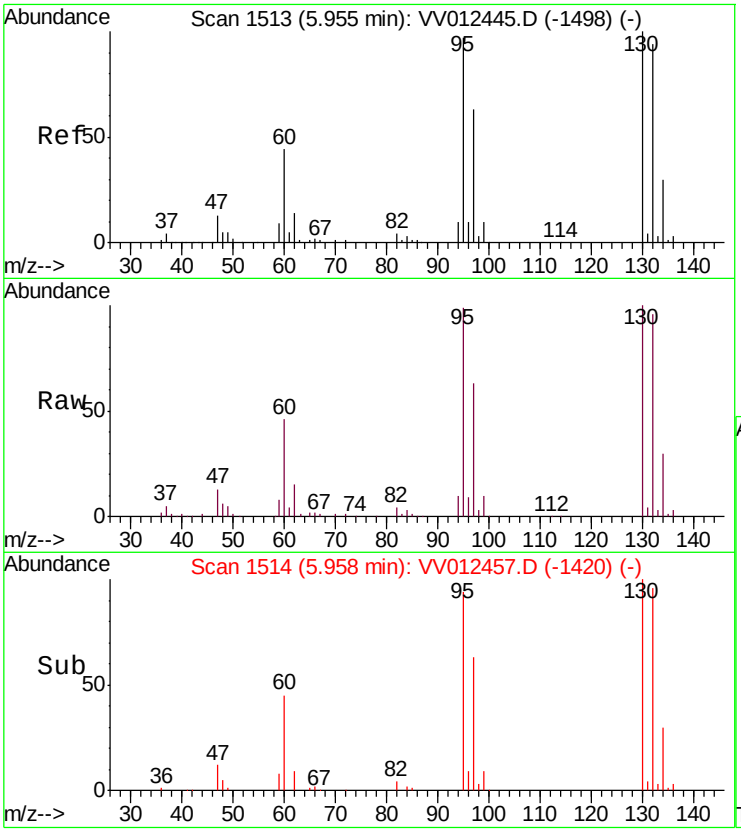



#33
Benzene
Concen: 4.939 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 78 Resp: 499713



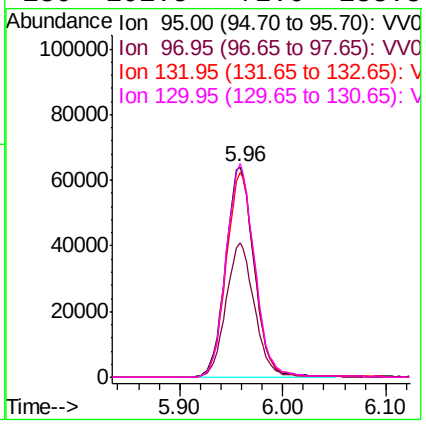


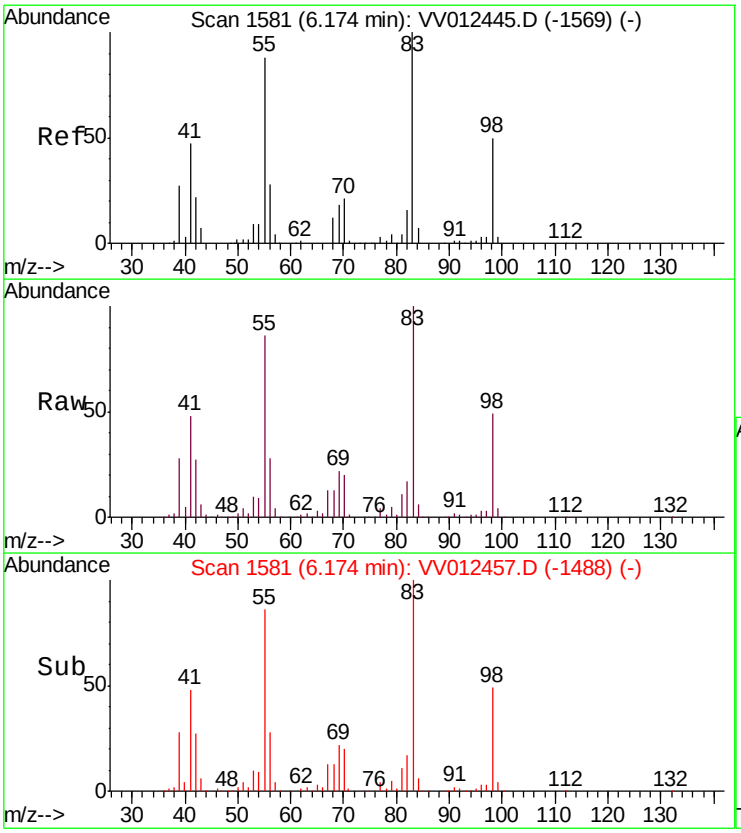

#34
Trichloroethene
Concen: 4.793 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 95 Resp: 123542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.7 | 45.8 | 85.2 |
| 132 | 97.6 | 68.3 | 126.9 |
| 130 | 101.5 | 72.0 | 133.8 |

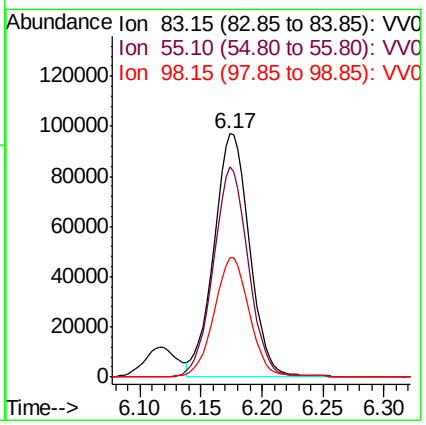


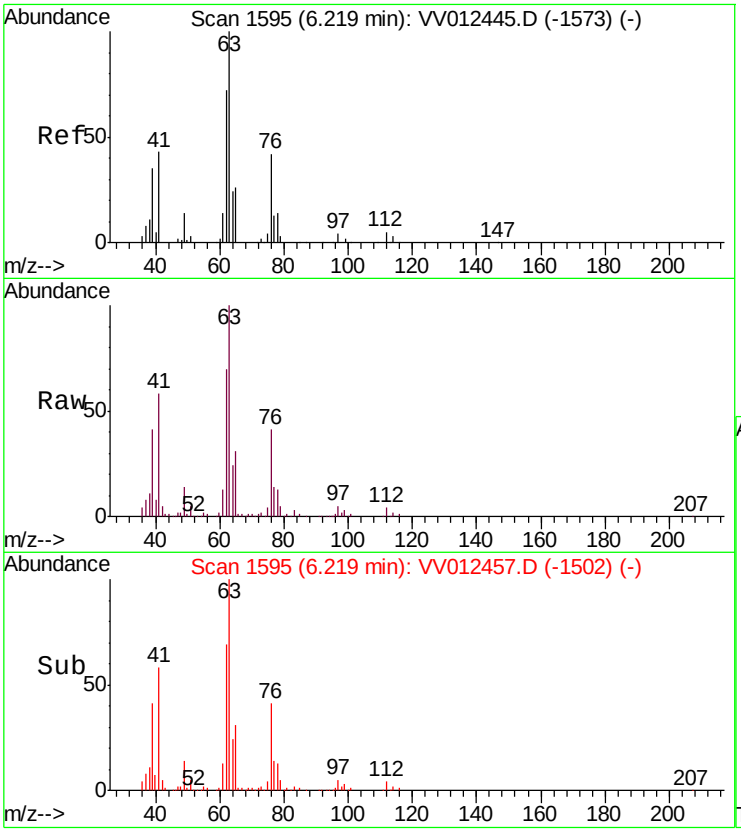




#35
Methylcyclohexane
Concen: 5.050 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 83 Resp: 198063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 84.5 | 67.8 | 101.6 |
| 98 | 49.0 | 39.2 | 58.8 |



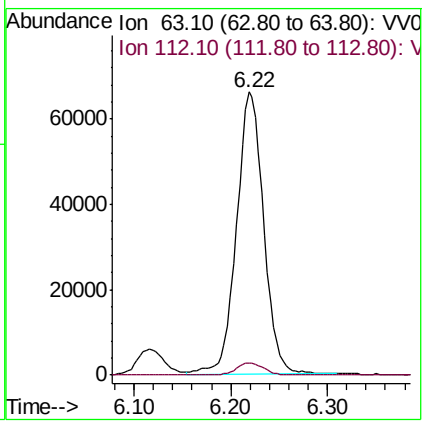


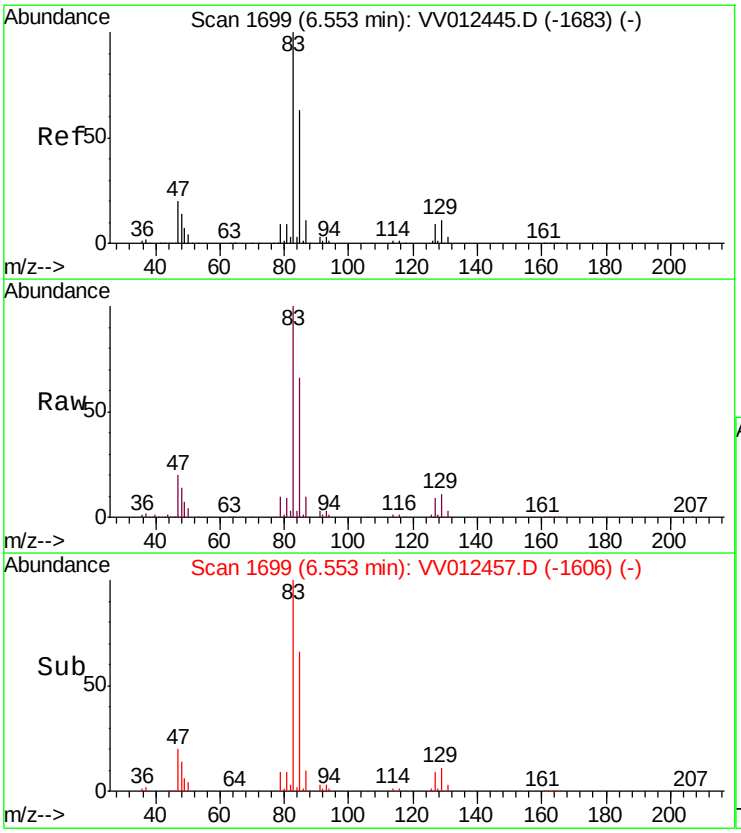

#37
1,2-Dichloropropane
Concen: 4.895 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 63 Resp: 129156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.6 | 3.7 | 5.5 |

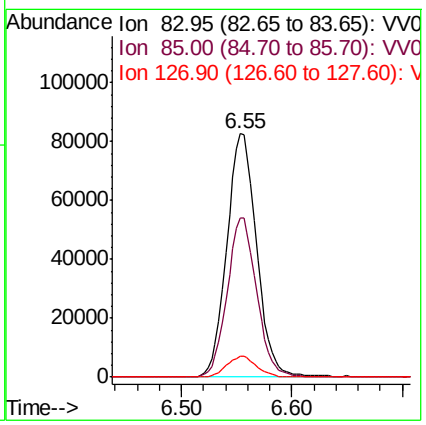


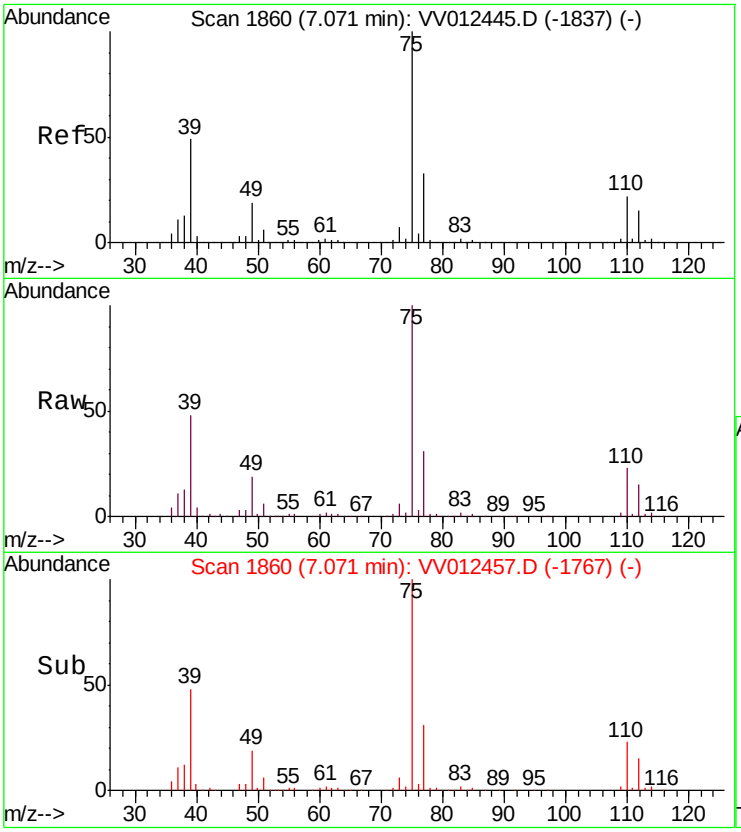




#38
Bromodichloromethane
Concen: 4.730 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 83 Resp: 155202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 45.4 | 84.4 |
| 127 | 8.5 | 6.4 | 9.6 |



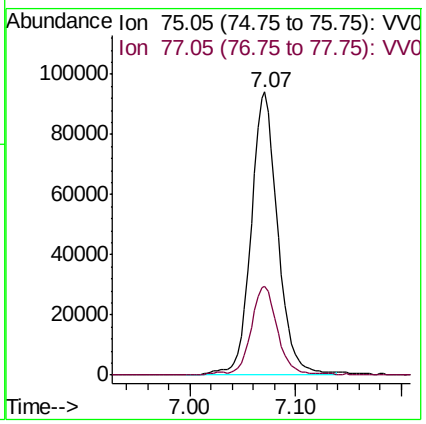


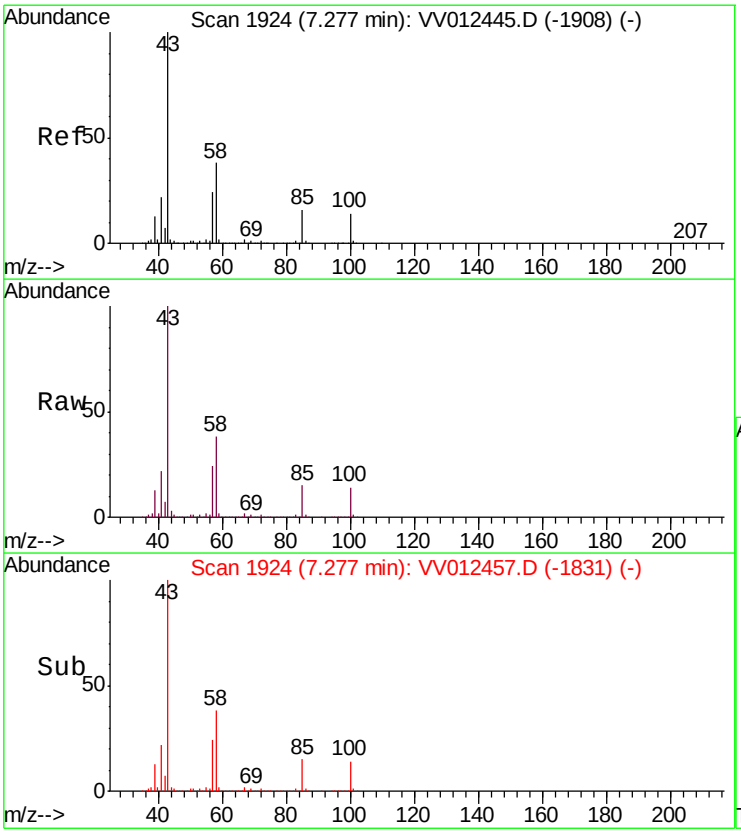

#39
cis-1,3-Dichloropropene
Concen: 4.870 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 75 Resp: 166273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 21.8 | 40.6 |

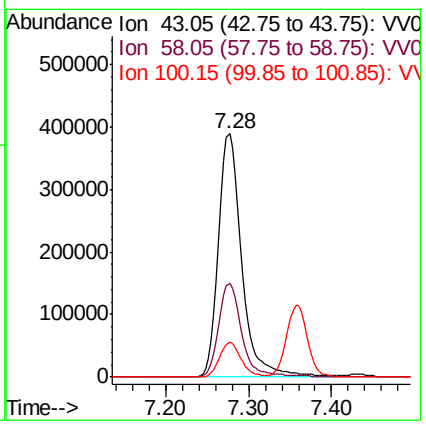


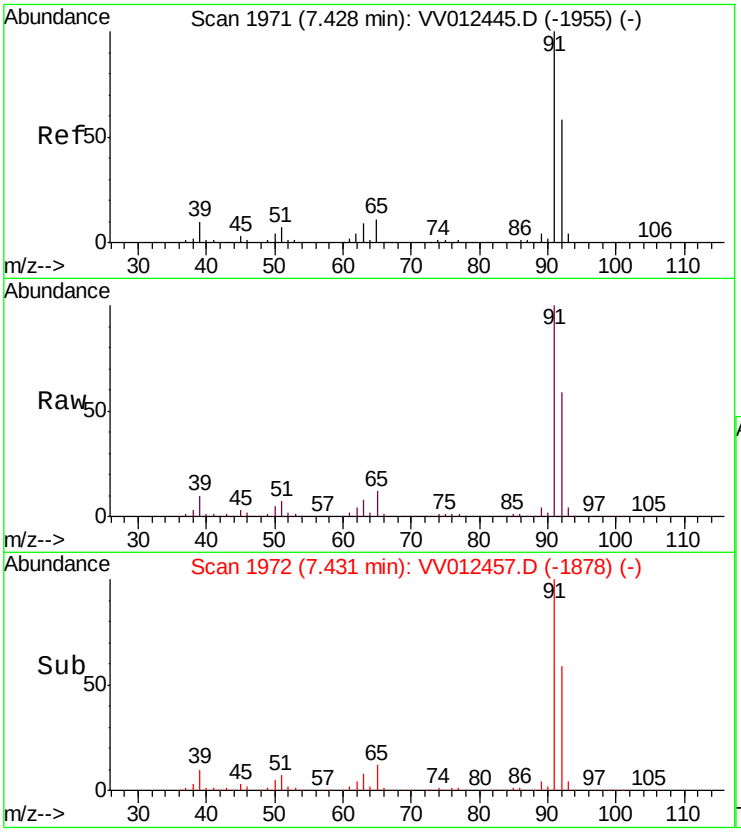




#40
4-Methyl-2-pentanone
Concen: 50.696 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 43 Resp: 758141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.4 | 29.7 | 44.5 |
| 100 | 13.4 | 10.8 | 16.2 |



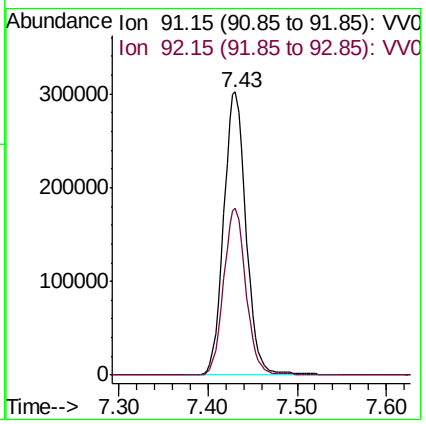


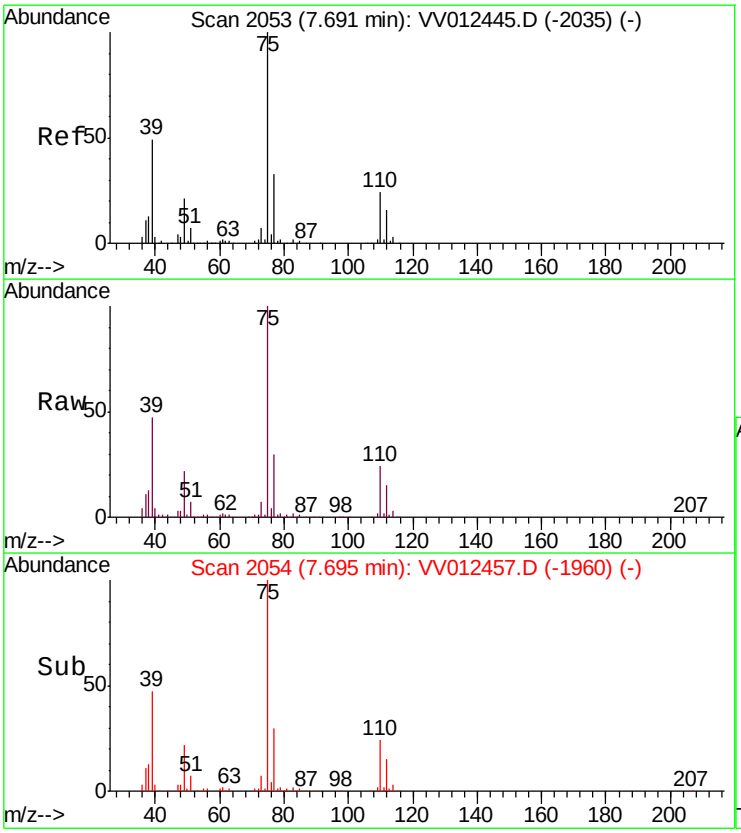

#42
Toluene
Concen: 5.074 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 91 Resp: 525469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.8 | 41.2 | 76.6 |

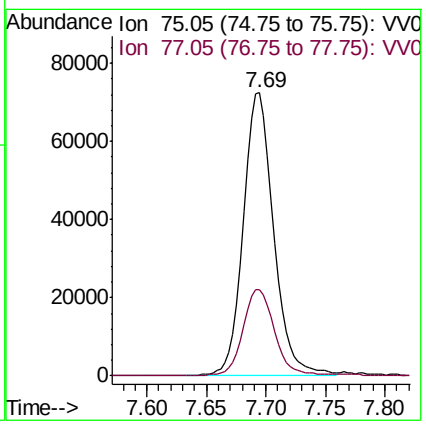


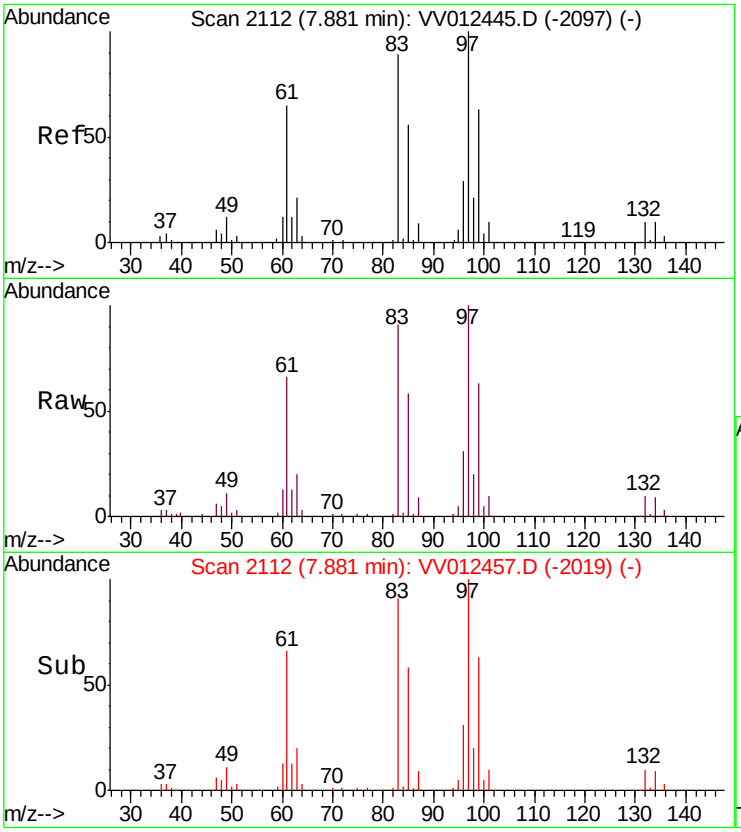




#44
trans-1,3-Dichloropropene
Concen: 4.859 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 75 Resp: 128861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.4 | 20.6 | 38.4 |



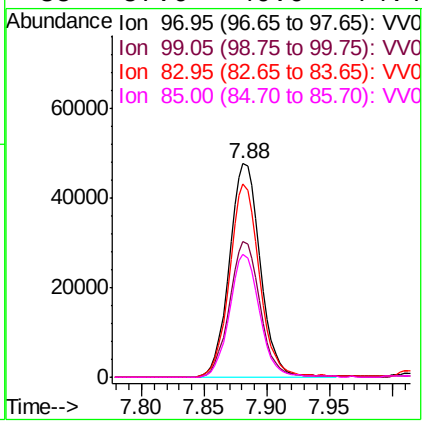


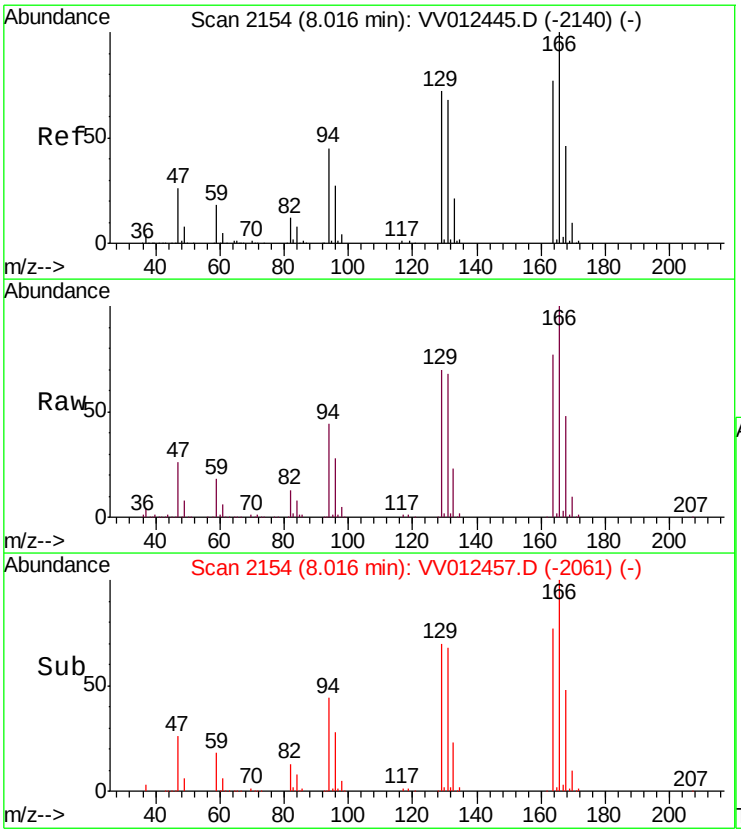

#45
1,1,2-Trichloroethane
Concen: 4.667 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion: 97 Resp: 81683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.4 | 43.3 | 80.3 |
| 83 | 90.8 | 61.2 | 113.6 |
| 85 | 57.6 | 40.0 | 74.4 |

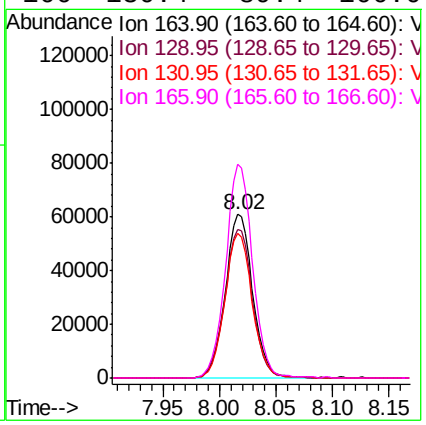


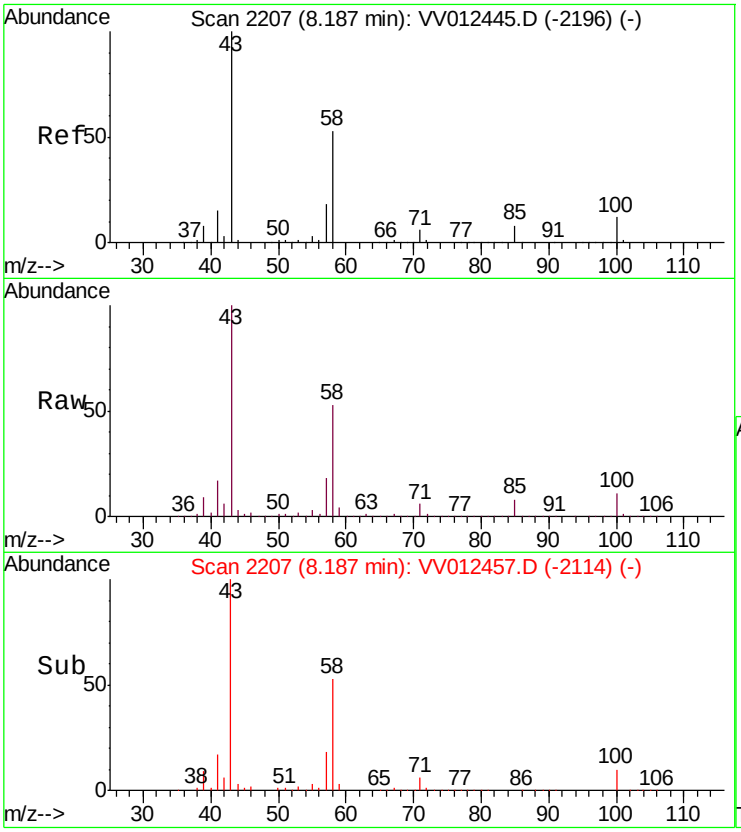




#47
Tetrachloroethene
Concen: 4.970 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:164 Resp: 102564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.8 | 65.6 | 121.8 |
| 131 | 88.7 | 63.3 | 117.5 |
| 166 | 130.4 | 89.4 | 166.0 |



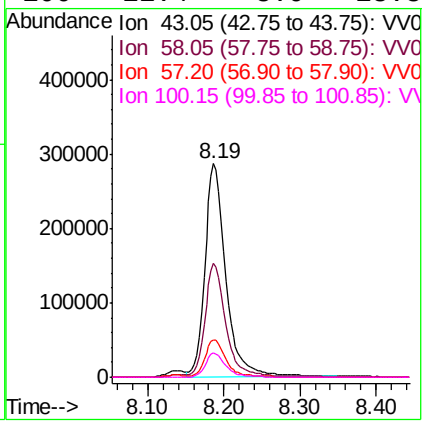


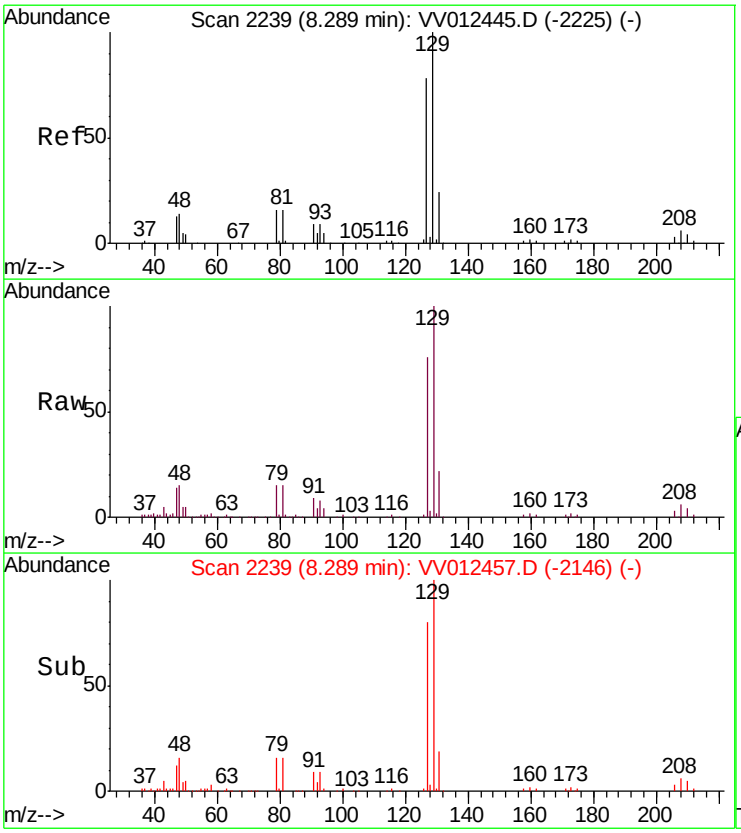

#48
2-Hexanone
Concen: 53.571 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion: 43 Resp: 545637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.0 | 43.6 | 65.4 |
| 57 | 17.2 | 14.2 | 21.2 |
| 100 | 11.4 | 8.9 | 13.3 |

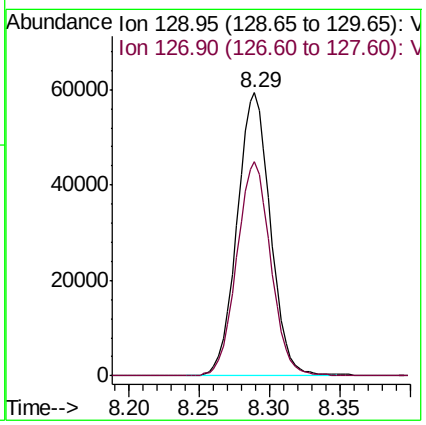


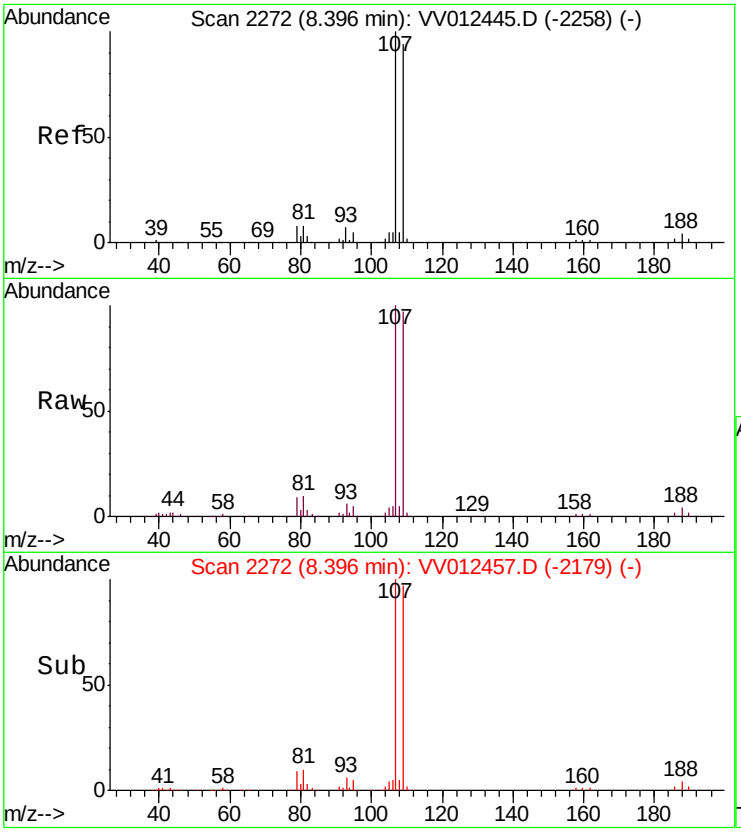




#49
Dibromochloromethane
Concen: 4.880 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:129 Resp: 98360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.5 | 53.6 | 99.6 |



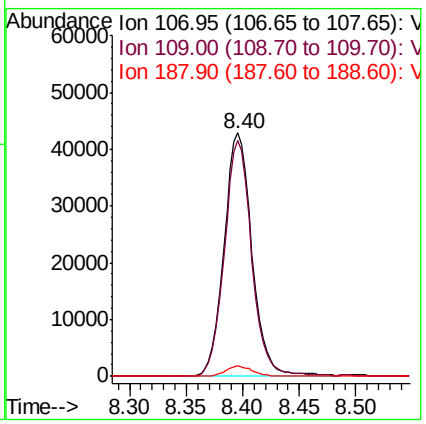


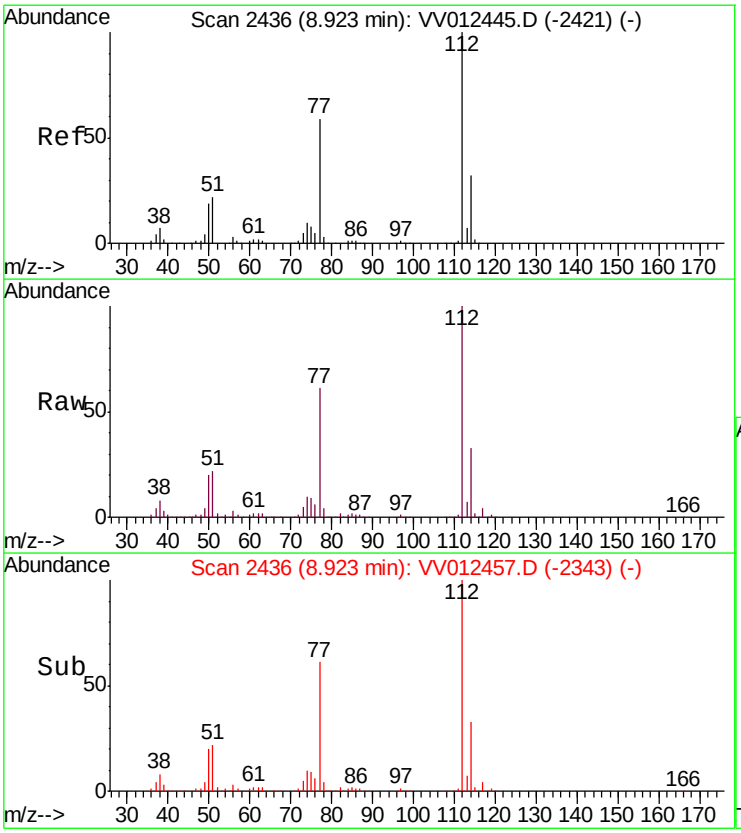

#50
1,2-Dibromoethane
Concen: 4.761 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion:107 Resp: 73609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.7 | 65.0 | 120.8 |
| 188 | 4.1 | 2.8 | 4.2 |

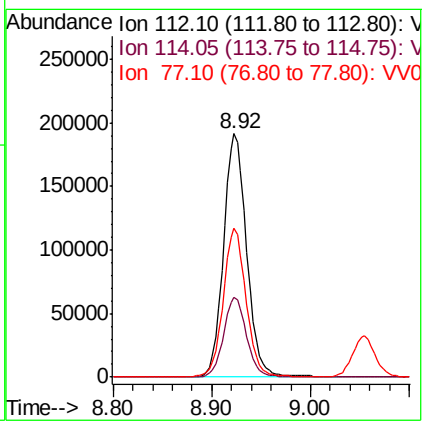


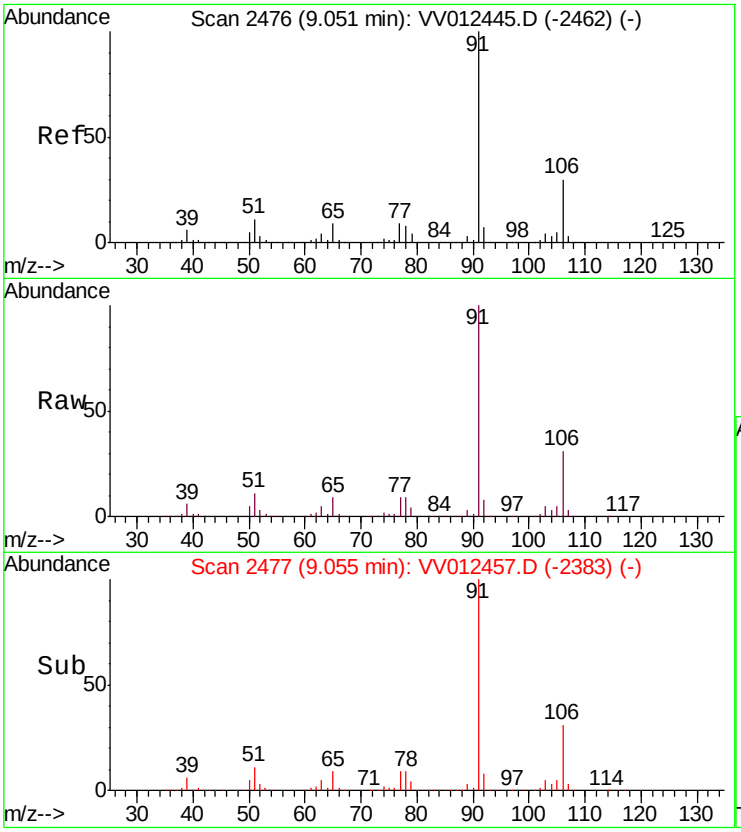




#51
Chlorobenzene
Concen: 4.774 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:112 Resp: 313304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.0 | 22.7 | 42.3 |
| 77 | 61.0 | 49.0 | 73.6 |



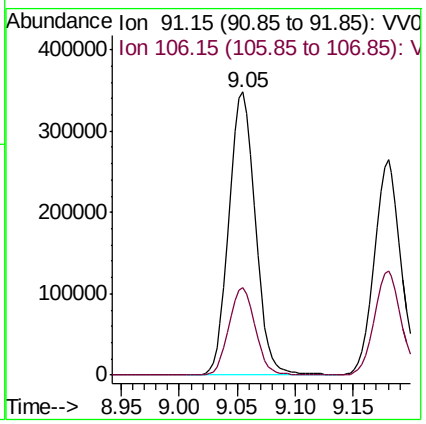


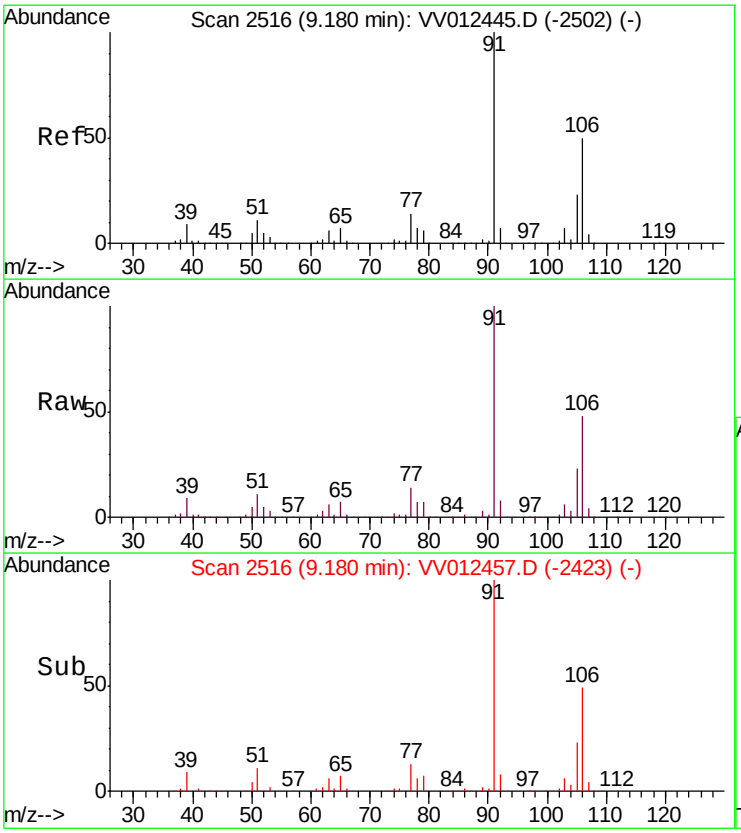

#52
Ethylbenzene
Concen: 5.013 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion: 91 Resp: 548707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 21.1 | 39.3 |

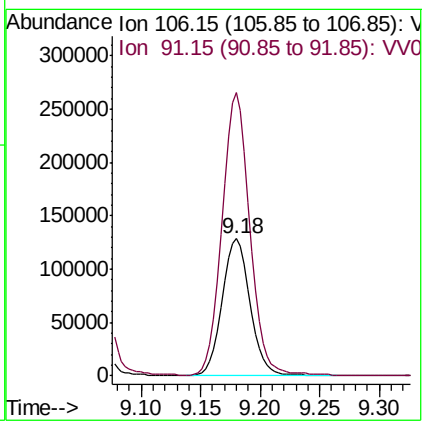


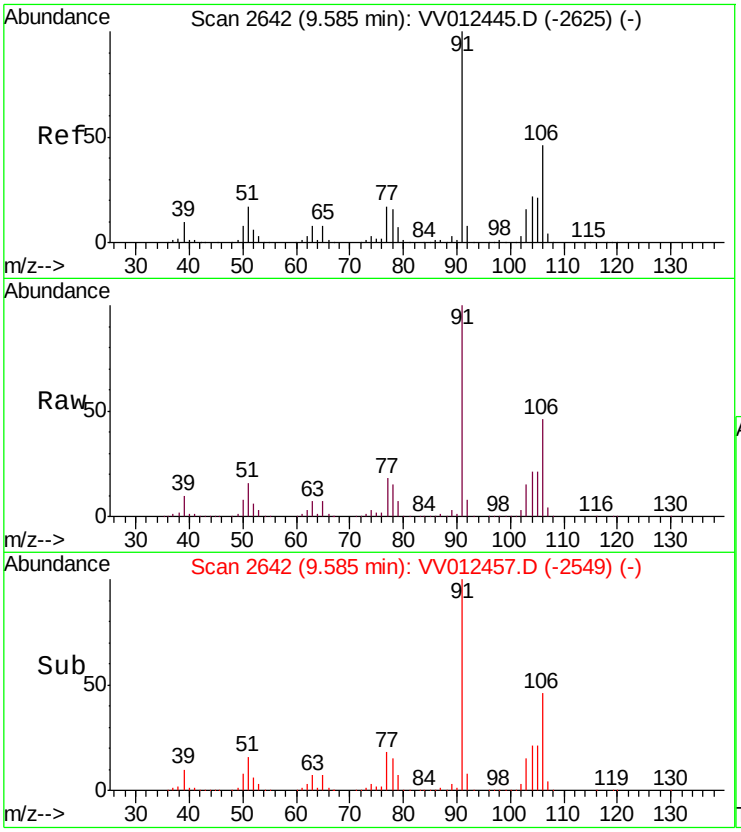




#53
m,p-xylene
Concen: 5.209 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:106 Resp: 208988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.3 | 141.3 | 262.3 |



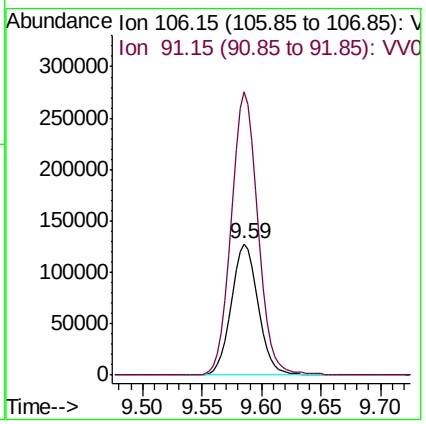


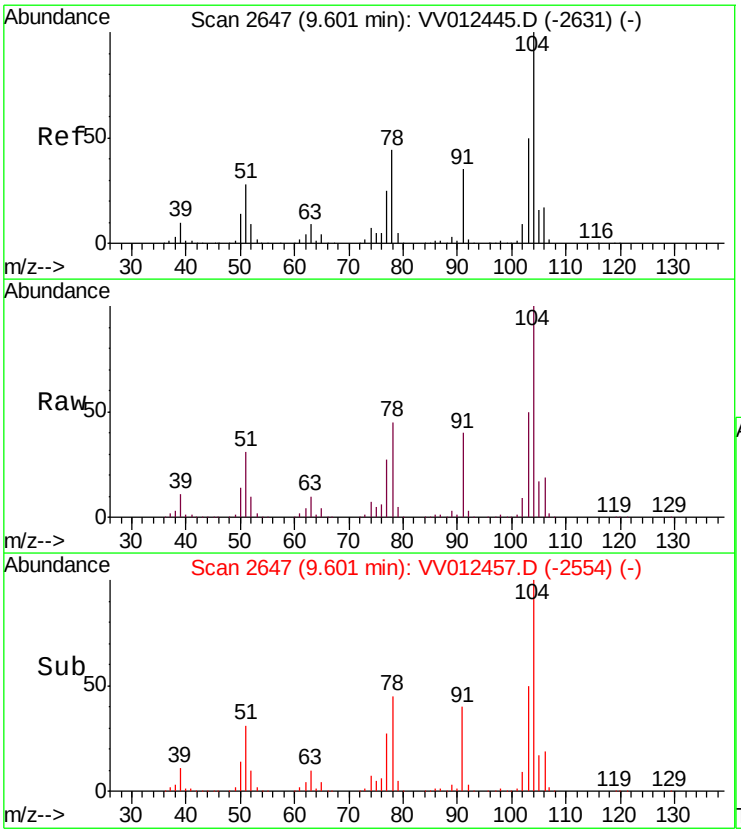

#54
o-xylene
Concen: 5.130 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion:106 Resp: 200952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.2 | 155.6 | 289.0 |

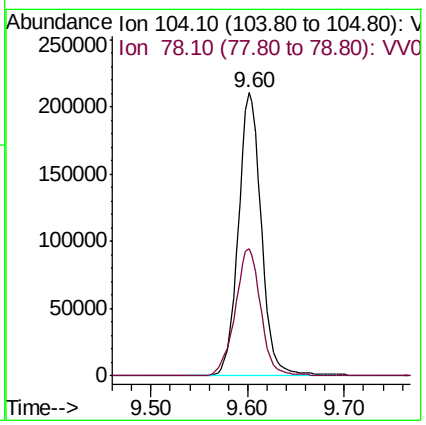


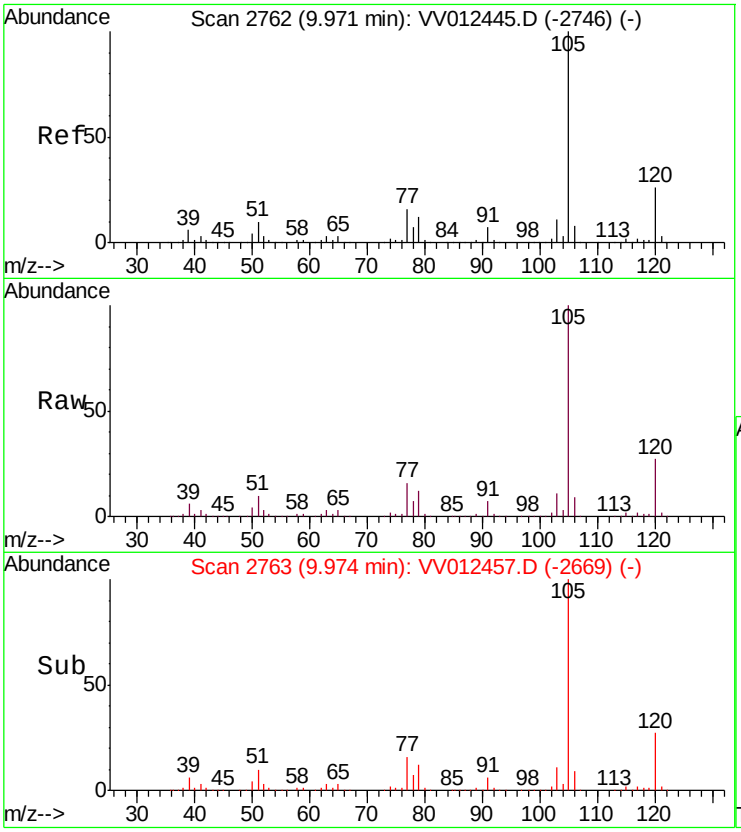




#55
Styrene
Concen: 5.290 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:104 Resp: 347842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 45.0 | 31.8 | 59.0 |



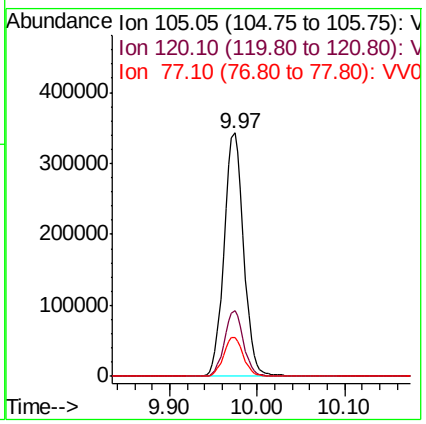


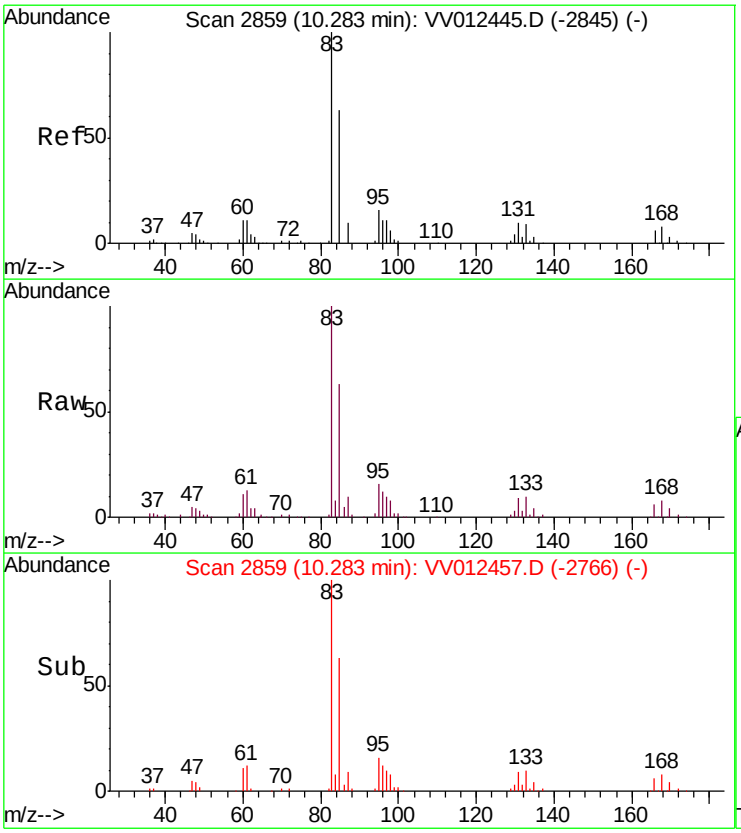

#56
Isopropylbenzene
Concen: 5.165 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion:105 Resp: 532767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 20.6 | 31.0 |
| 77 | 16.2 | 12.7 | 19.1 |

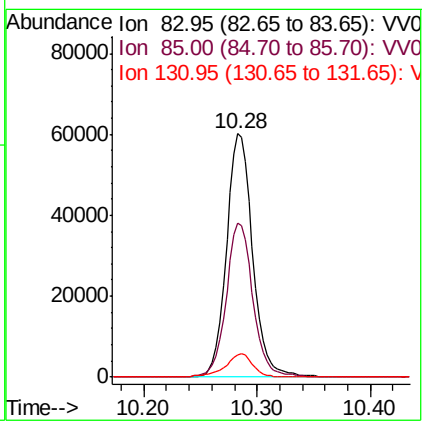


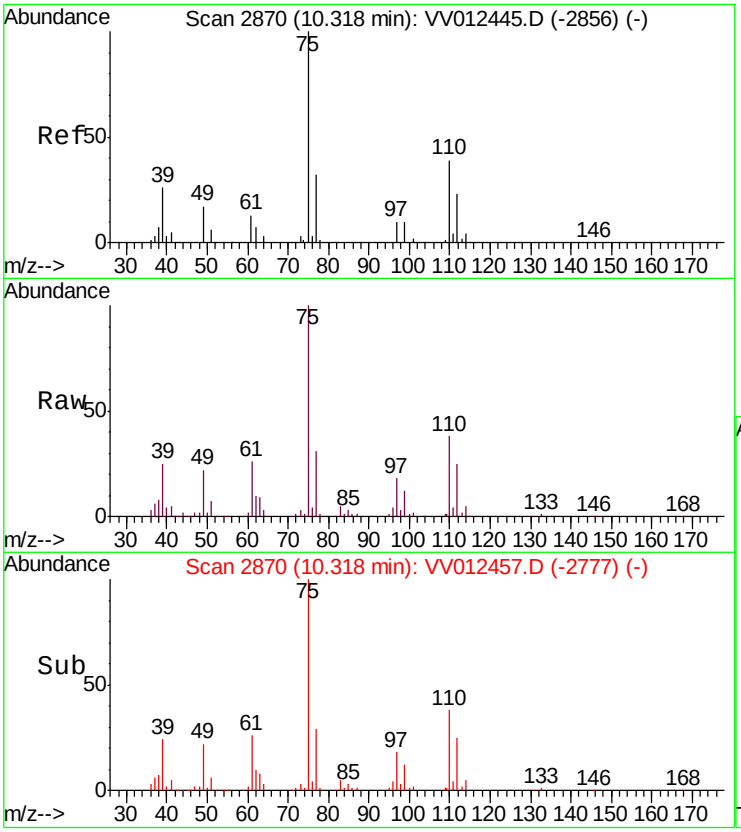




#58
1,1,2,2-Tetrachloroethane
Concen: 4.701 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 83 Resp: 96796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 45.0 | 83.6 |
| 131 | 9.2 | 7.4 | 11.2 |



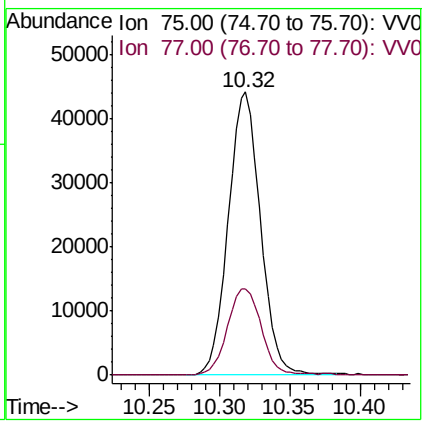


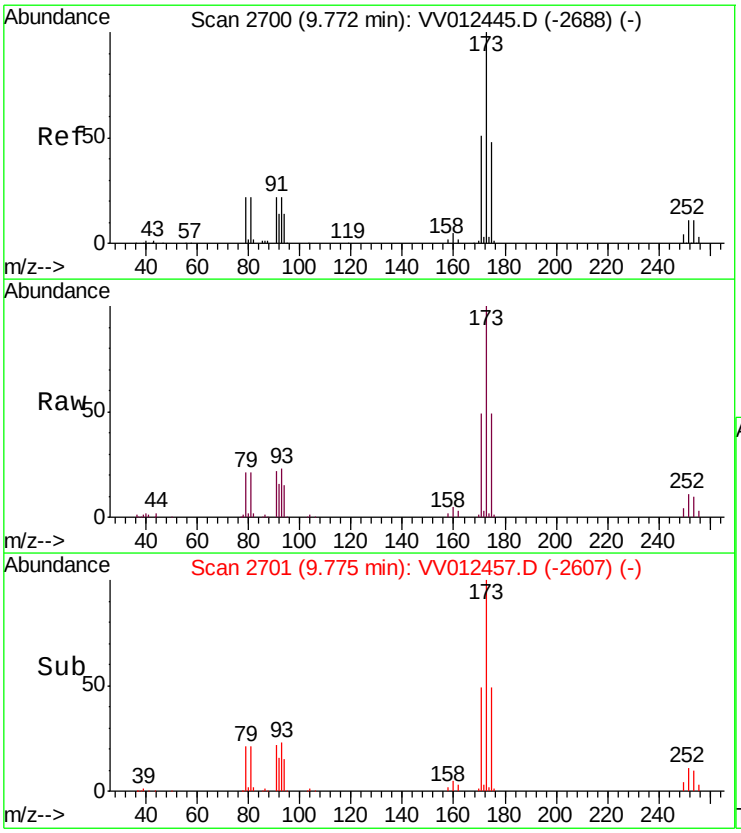

#59
1,2,3-Trichloropropane
Concen: 4.819 ug/L
RT: 10.32 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion: 75 Resp: 70626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.2 | 37.8 |

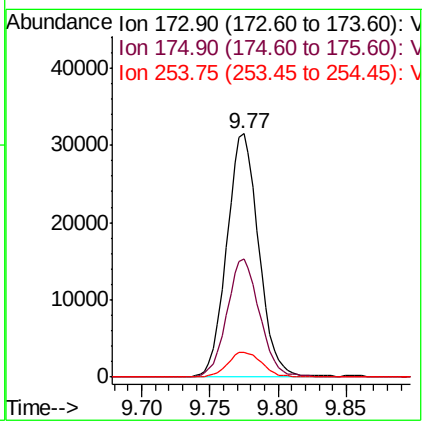


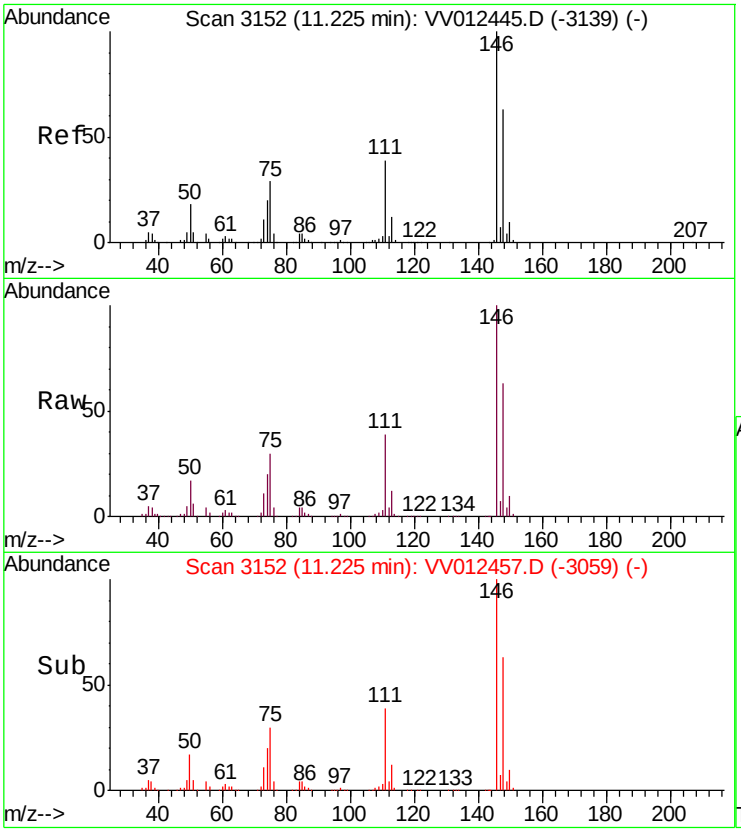




#61
Bromoform
Concen: 4.600 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:173 Resp: 51295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.7 | 39.0 | 58.6 |
| 254 | 10.9 | 8.4 | 12.6 |



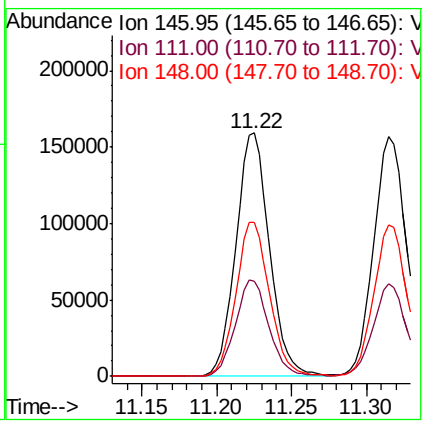


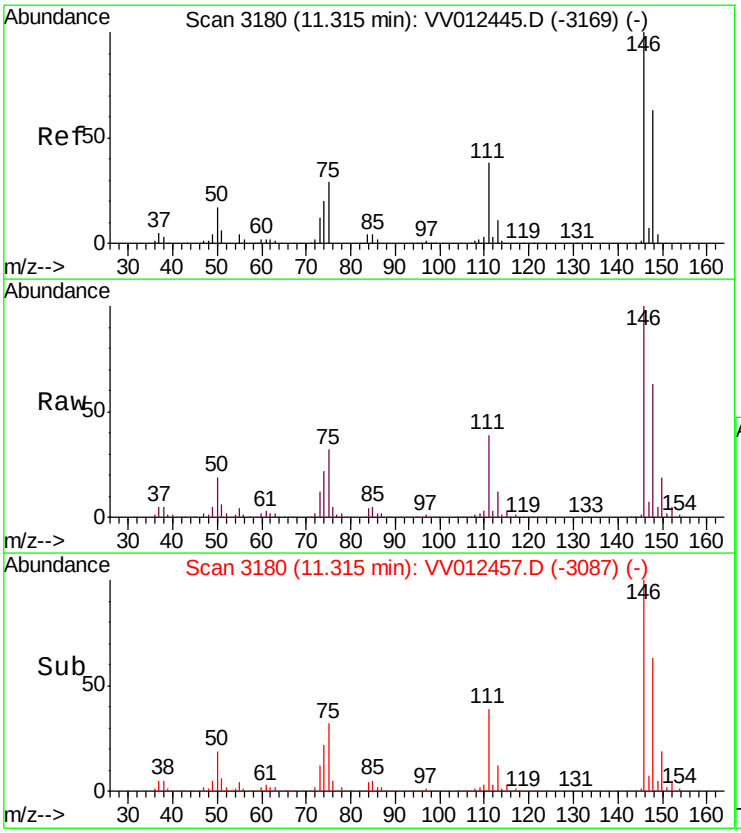

#62
1,3-Dichlorobenzene
Concen: 4.967 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion:146 Resp: 249225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 27.6 | 51.4 |
| 148 | 63.3 | 45.8 | 85.2 |

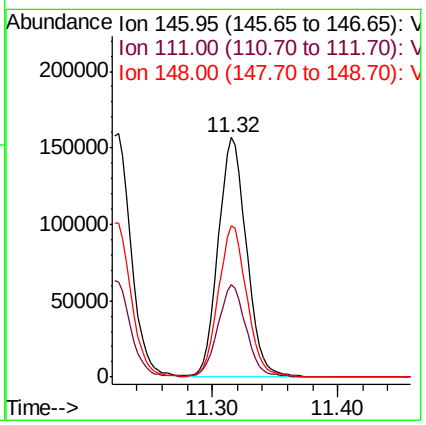


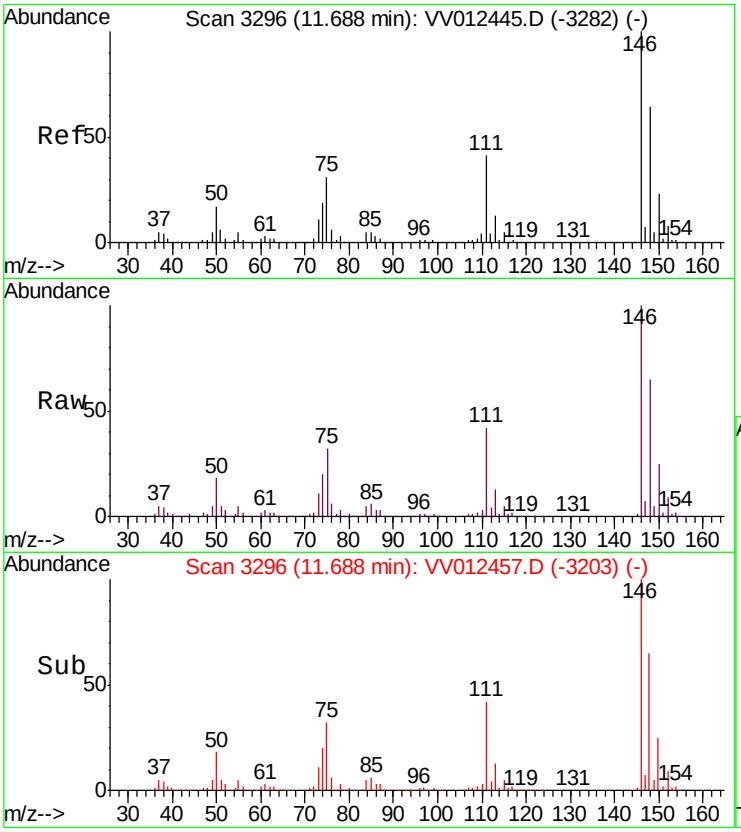




#63
1,4-Dichlorobenzene
Concen: 4.878 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:146 Resp: 245243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 26.8 | 49.8 |
| 148 | 63.4 | 44.5 | 82.7 |



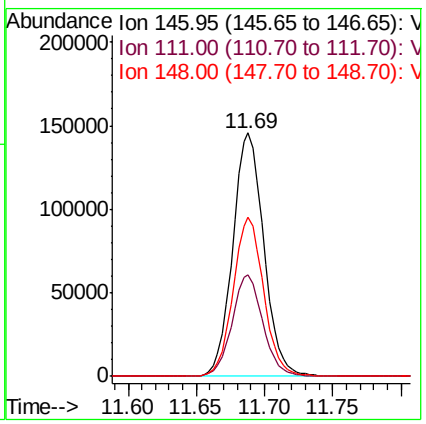


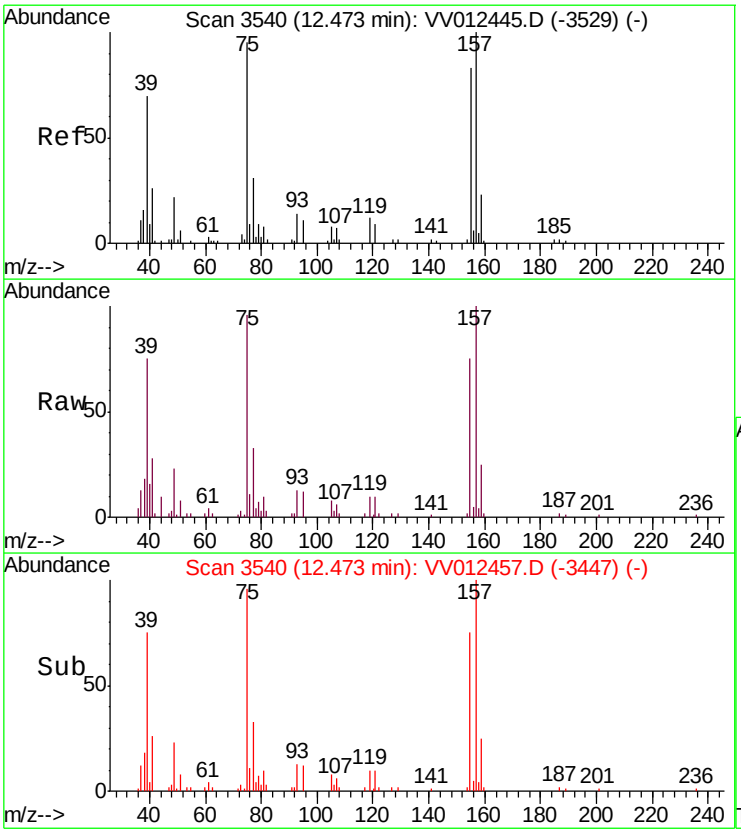

#65
1,2-Dichlorobenzene
Concen: 4.863 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00556

Tgt Ion:146 Resp: 230091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 32.5 | 48.7 |
| 148 | 65.2 | 50.2 | 75.4 |

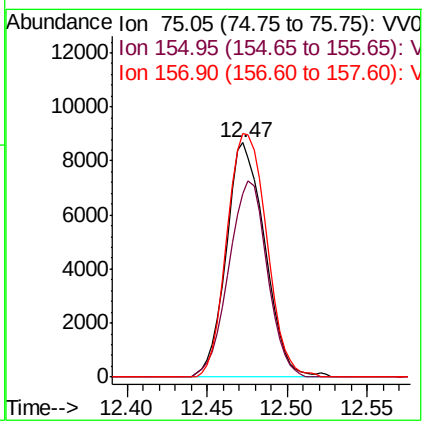


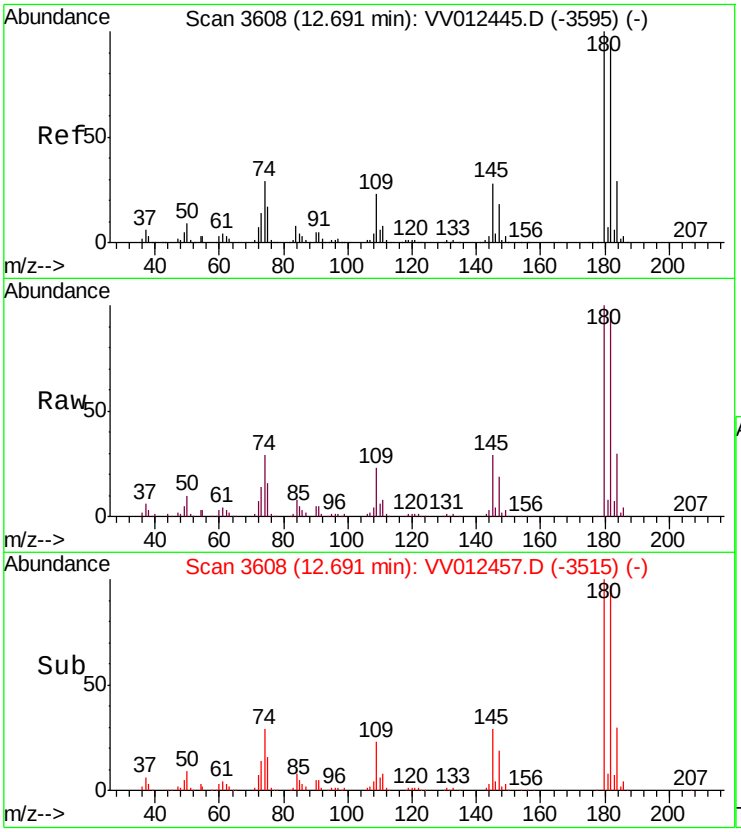




#66
1,2-Dibromo-3-chloropropane
Concen: 4.481 ug/L
RT: 12.47 min Scan# 3540
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion: 75 Resp: 14272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.4 | 68.6 | 102.8 |
| 157 | 103.9 | 88.6 | 133.0 |



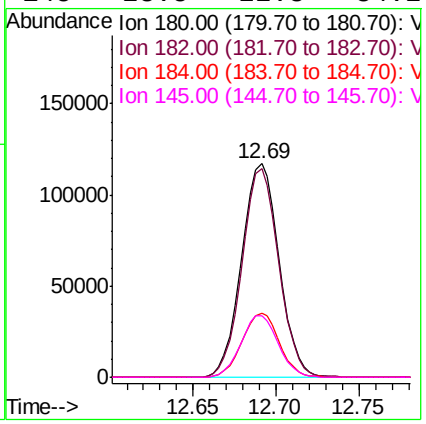


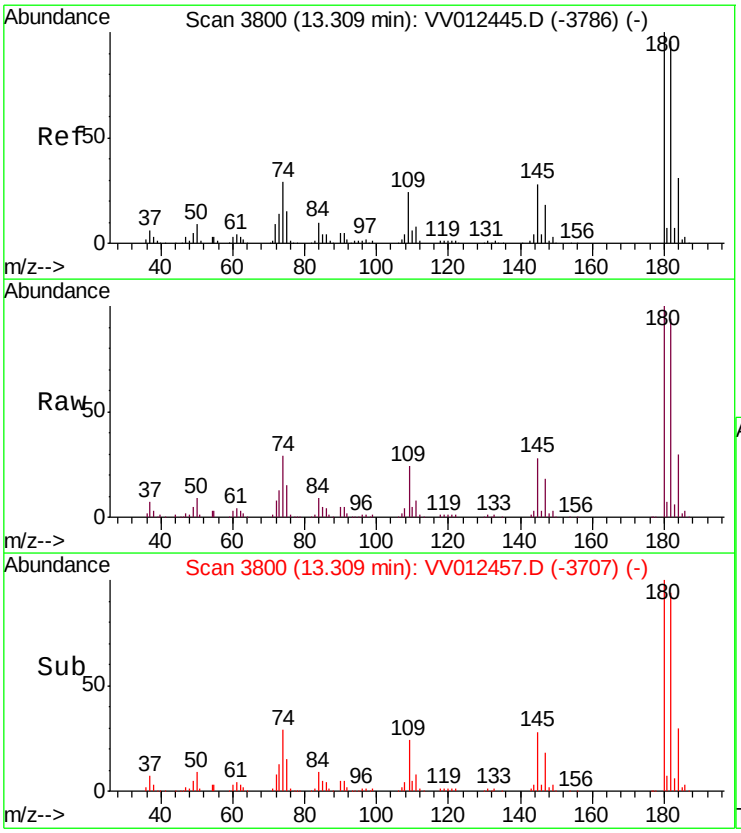

#67
1,3,5-Trichlorobenzene
Concen: 4.915 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion:180 Resp: 184022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 76.6 | 115.0 |
| 184 | 29.9 | 24.8 | 37.2 |
| 145 | 28.5 | 22.8 | 34.2 |

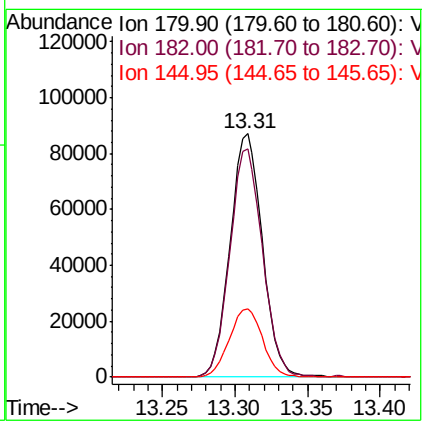


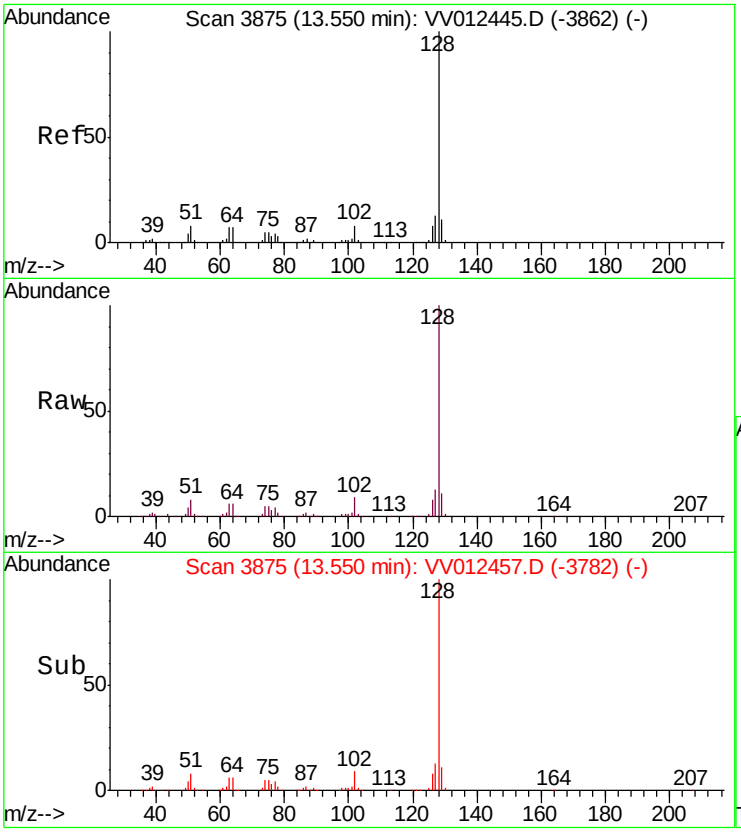




#68
1,2,4-trichlorobenzene
Concen: 4.904 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:180 Resp: 134620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 78.1 | 117.1 |
| 145 | 29.1 | 23.4 | 35.0 |



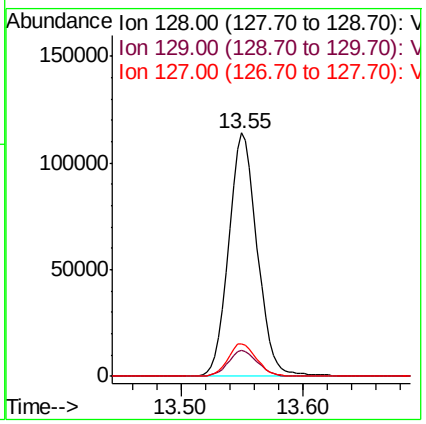


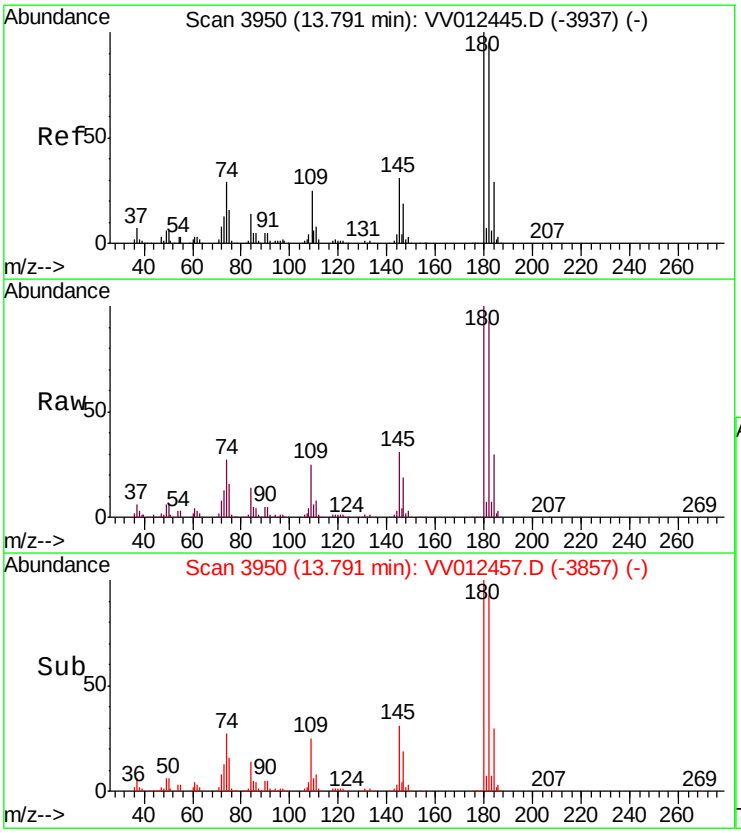

#69
Naphthalene
Concen: 4.685 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00556

Tgt Ion:128 Resp: 186101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.6 | 13.0 |
| 127 | 13.5 | 10.7 | 16.1 |




#70
1,2,3-Trichlorobenzene
Concen: 5.007 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012457.D
Acq: 30 Aug 2019 15:10

Tgt Ion:180 Resp: 132027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 77.5 | 116.3 |
| 145 | 30.7 | 25.0 | 37.6 |