Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072519\

Quantitation Report (Not Reviewed)

Data File : VV012039.D
Acq On : 25 Jul 2019 20:39
Operator : SY/MD
Sample : VSTDCCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Quant Time: Jul 26 02:40:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 124151 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 119515 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 62288 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 28478 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 88.20% | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 25460 | 5.02 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 100.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 65137 | 5.07 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 101.40% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 115560 | 61.27 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 122.54% | | | |
| 24) Chloroform-d | 4.40 | 84 | 88442 | 5.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 51353 | 5.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 118.80% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 176124 | 5.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 105.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 51288 | 5.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 107.60% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 164457 | 5.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 106.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 20504 | 5.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 106.00% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 93545 | 60.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 120.36% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 39270 | 5.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 115.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 66787 | 5.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 111.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 66730 | 5.200 | ug/L | 98 |
| 3) Chloromethane | 1.25 | 50 | 38541 | 5.176 | ug/L | 97 |
| 5) Vinyl chloride | 1.32 | 62 | 40835 | 5.356 | ug/L | 96 |
| 6) Bromomethane | 1.54 | 94 | 24943 | 5.563 | ug/L | 96 |
| 8) Chloroethane | 1.60 | 64 | 23241 | 5.153 | ug/L | 91 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 77894 | 5.543 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 34183 | 5.411 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 30744 | 5.441 | ug/L | 95 |
| 13) Acetone | 2.23 | 43 | 52153 | 51.296 | ug/L | 98 |
| 14) Carbon disulfide | 2.32 | 76 | 81850 | 5.082 | ug/L | 99 |
| 15) Methyl Acetate | 2.47 | 43 | 10699 | 4.820 | ug/L | 99 |
| 16) Methylene chloride | 2.54 | 84 | 31196 | 4.924 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 105281 | 5.460 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 45866 | 5.212 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 84029 | 5.407 | ug/L | 97 |
| 21) 2-Butanone | 4.05 | 43 | 103565 | 53.099 | ug/L | 100 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 49537 | 5.238 | ug/L | 100 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072519\

Quantitation Report (Not Reviewed)

Data File : VV012039.D
Acq On : 25 Jul 2019 20:39
Operator : SY/MD
Sample : VSTDCCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Quant Time: Jul 26 02:40:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 21522 | 5.536 | ug/L | 96 |
| 25) Chloroform | 4.43 | 83 | 102999 | 5.487 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 57439 | 5.504 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 84620 | 5.532 | ug/L | 100 |
| 30) Cyclohexane | 4.72 | 56 | 71948 | 4.979 | ug/L | 98 |
| 31) Carbon tetrachloride | 4.87 | 117 | 74979 | 5.445 | ug/L | 100 |
| 33) Benzene | 5.15 | 78 | 189100 | 5.379 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 50630 | 5.186 | ug/L | 96 |
| 35) Methylcyclohexane | 6.18 | 83 | 78567 | 5.170 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 44631 | 5.281 | ug/L | 100 |
| 38) Bromodichloromethane | 6.56 | 83 | 61374 | 5.435 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 65777 | 5.251 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 260263 | 55.113 | ug/L | 100 |
| 42) Toluene | 7.43 | 91 | 205005 | 5.433 | ug/L | 97 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 52972 | 5.316 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 32148 | 5.507 | ug/L | 99 |
| 47) Tetrachloroethene | 8.02 | 164 | 45582 | 5.411 | ug/L | 98 |
| 48) 2-Hexanone | 8.19 | 43 | 186976 | 56.442 | ug/L | 99 |
| 49) Dibromochloromethane | 8.29 | 129 | 39921 | 5.585 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 30895 | 5.606 | ug/L | 93 |
| 51) Chlorobenzene | 8.92 | 112 | 136030 | 5.505 | ug/L | 99 |
| 52) Ethylbenzene | 9.05 | 91 | 232173 | 5.390 | ug/L | 99 |
| 53) m,p-xylene | 9.18 | 106 | 89544 | 5.462 | ug/L | 99 |
| 54) o-xylene | 9.59 | 106 | 85180 | 5.479 | ug/L | 99 |
| 55) Styrene | 9.60 | 104 | 147827 | 5.643 | ug/L | 99 |
| 56) Isopropylbenzene | 9.97 | 105 | 236674 | 5.452 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 35484 | 5.609 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 27119 | 5.501 | ug/L | 98 |
| 61) Bromoform | 9.77 | 173 | 21998 | 5.753 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.22 | 146 | 110137 | 5.406 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 112230 | 5.351 | ug/L | 97 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 103075 | 5.495 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 5897 | 5.412 | ug/L | 91 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 90782 | 5.328 | ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 75163 | 5.432 | ug/L | 100 |
| 69) Naphthalene | 13.55 | 128 | 108116 | 5.181 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 66468 | 5.295 | ug/L | 96 |

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

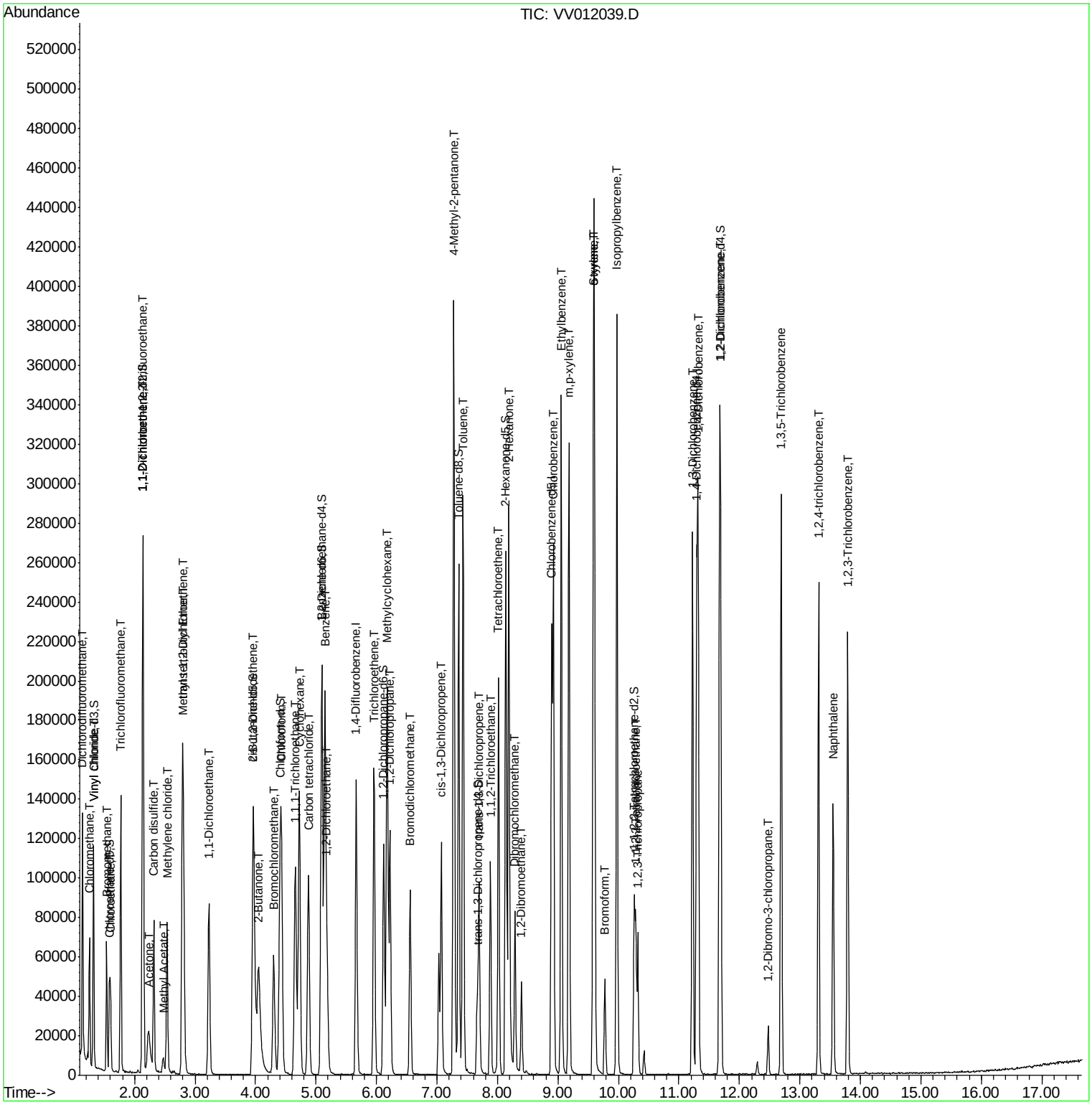
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072519\

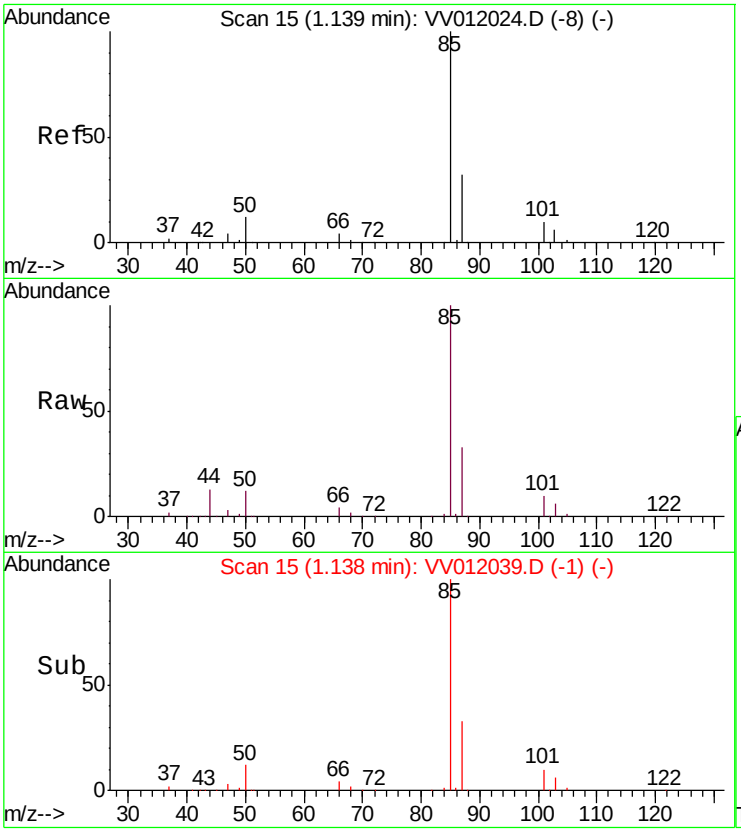
Quantitation Report (Not Reviewed)

Data File : VV012039.D
Acq On : 25 Jul 2019 20:39
Operator : SY/MD
Sample : VSTDCCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Quant Time: Jul 26 02:40:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration



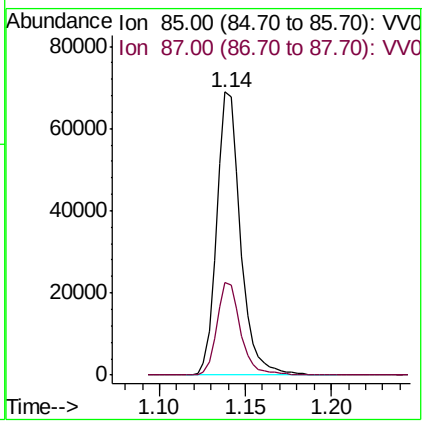


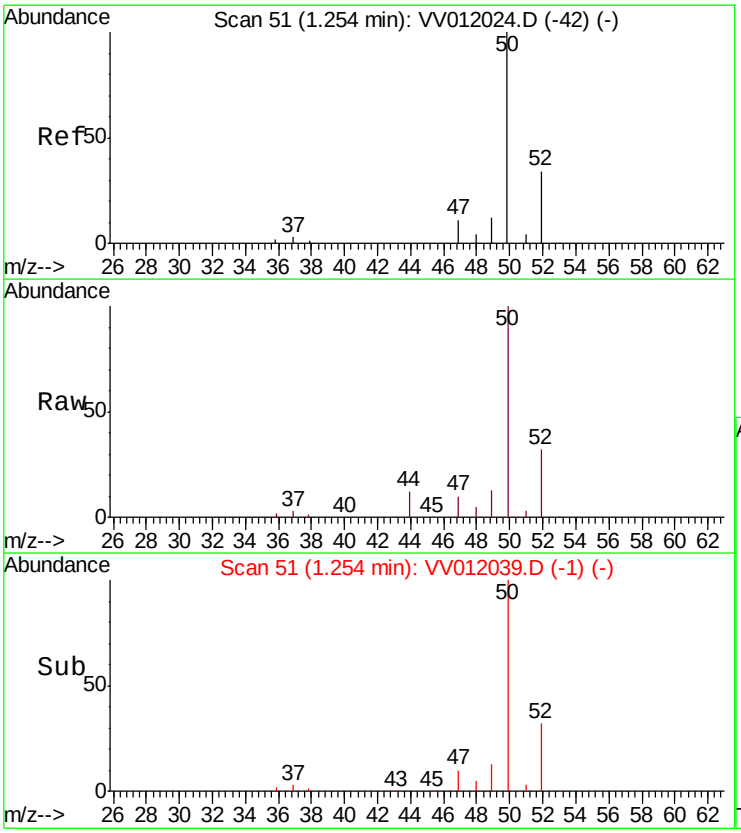

#2
Dichlorodifluoromethane
Concen: 5.200 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 85 Resp: 66730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 25.6 | 38.4 |

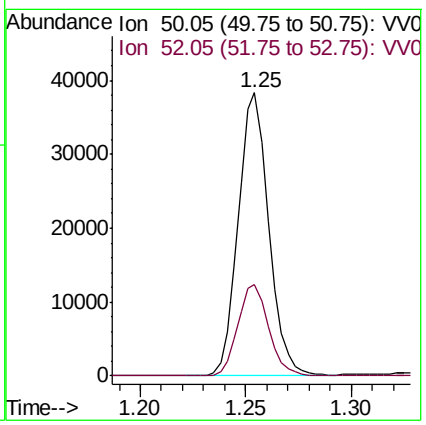


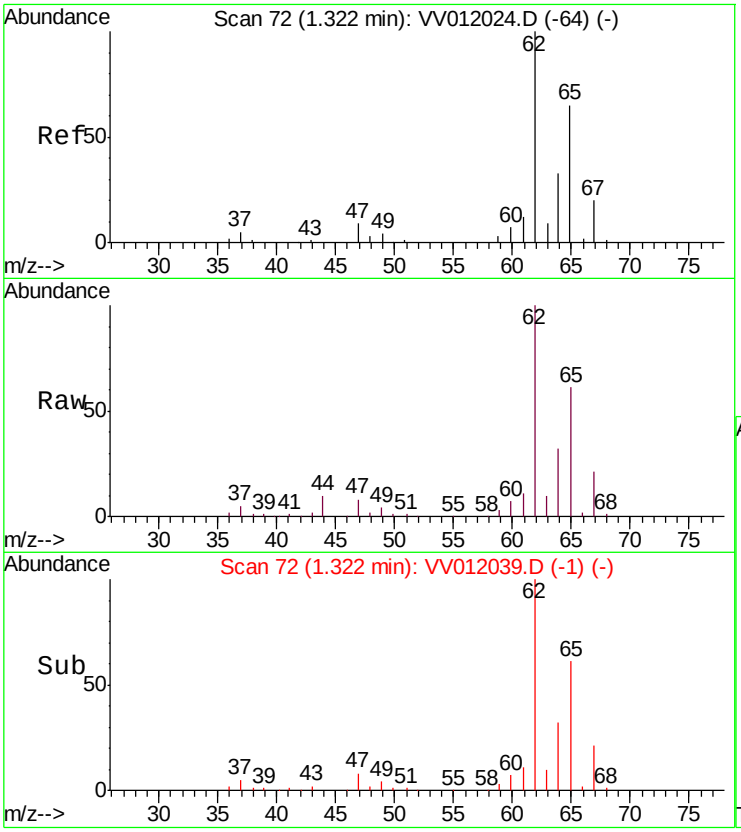




#3
Chloromethane
Concen: 5.176 ug/L
RT: 1.25 min Scan# 51
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 50 Resp: 38541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 21.6 | 40.2 |



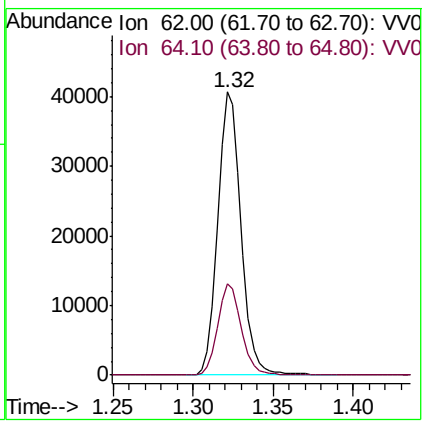


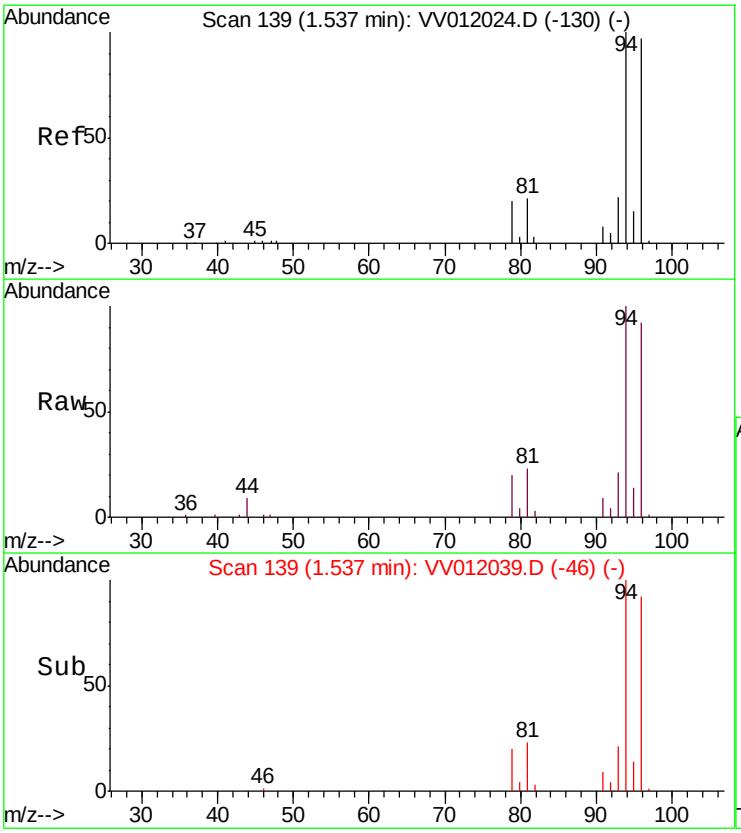

#5
Vinyl chloride
Concen: 5.356 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 62 Resp: 40835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 24.3 | 45.1 |

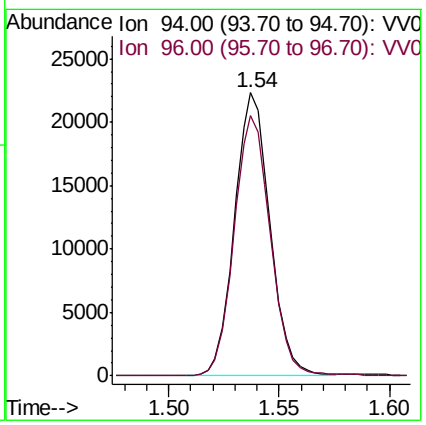


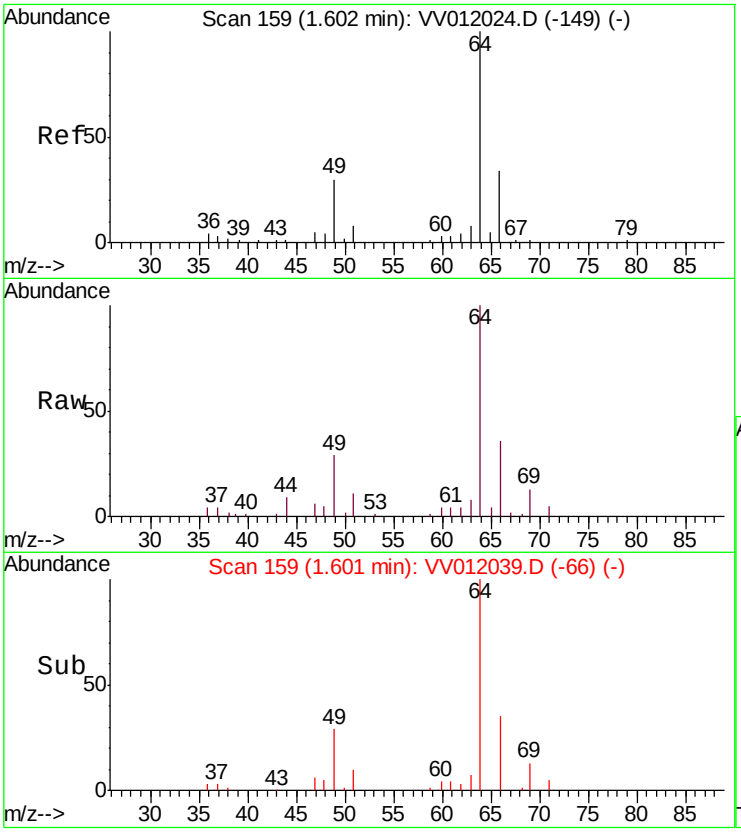




#6
Bromomethane
Concen: 5.563 ug/L
RT: 1.54 min Scan# 139
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 94 Resp: 24943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.9 | 67.3 | 125.1 |



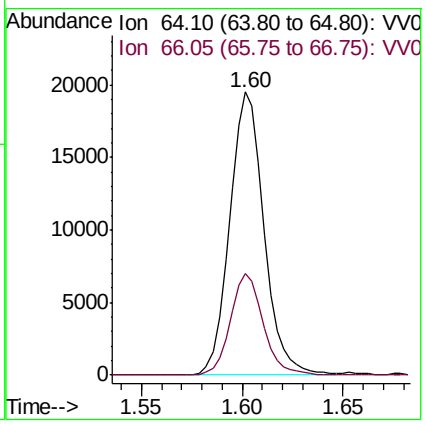


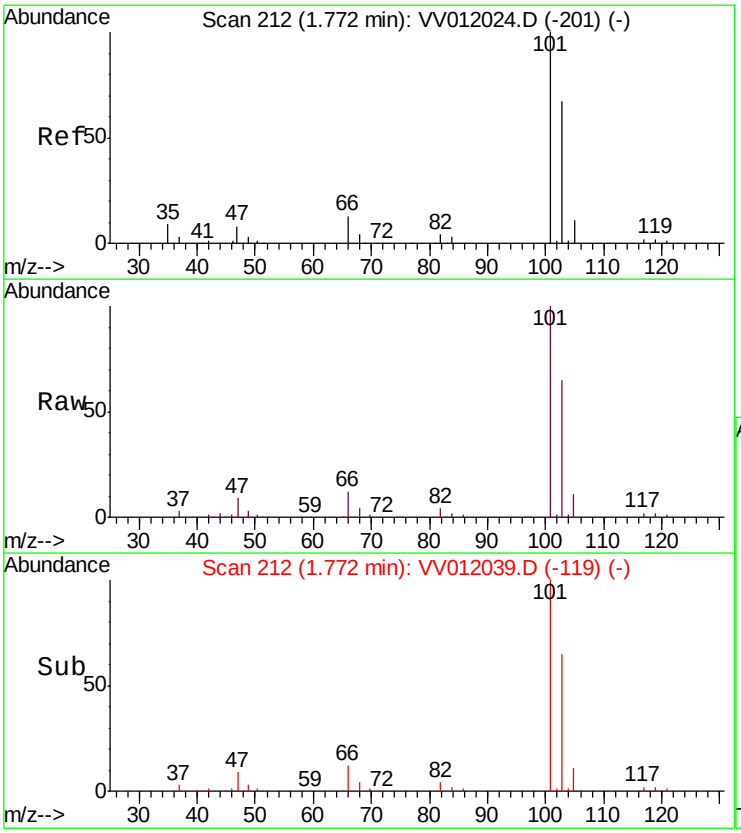

#8
Chloroethane
Concen: 5.153 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 64 Resp: 23241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 36.0 | 21.8 | 40.6 |

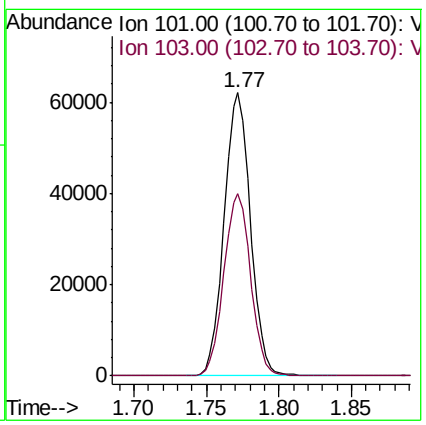


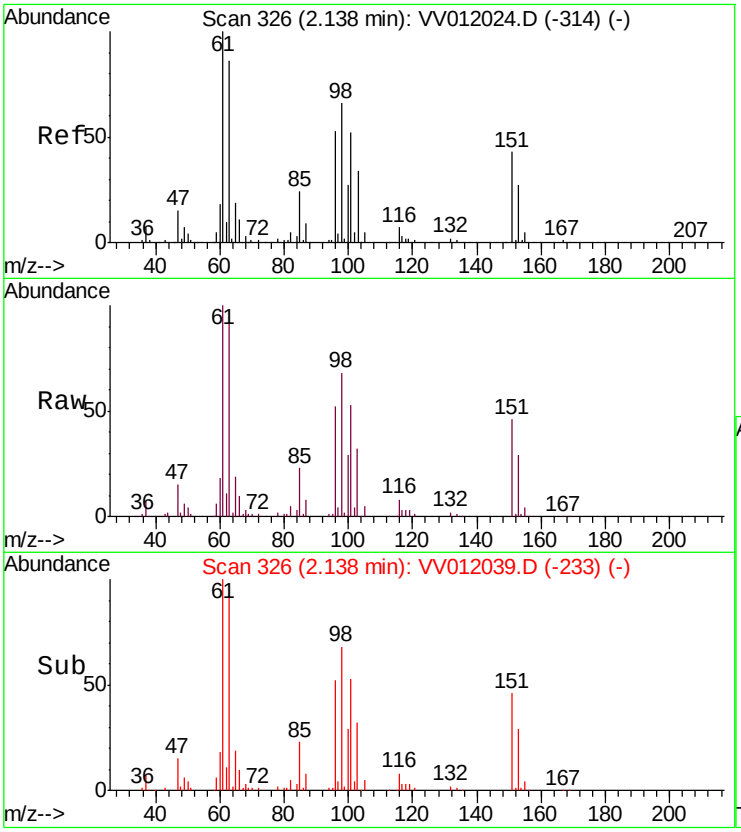




#9
Trichlorofluoromethane
Concen: 5.543 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:101 Resp: 77894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 50.4 | 75.6 |



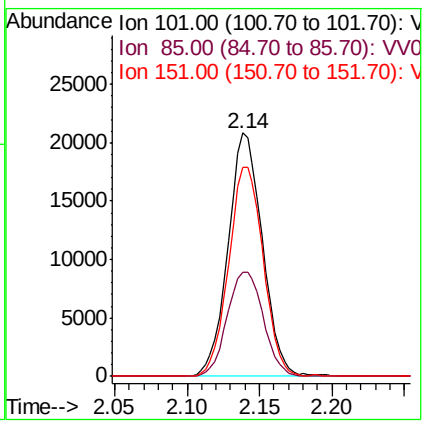


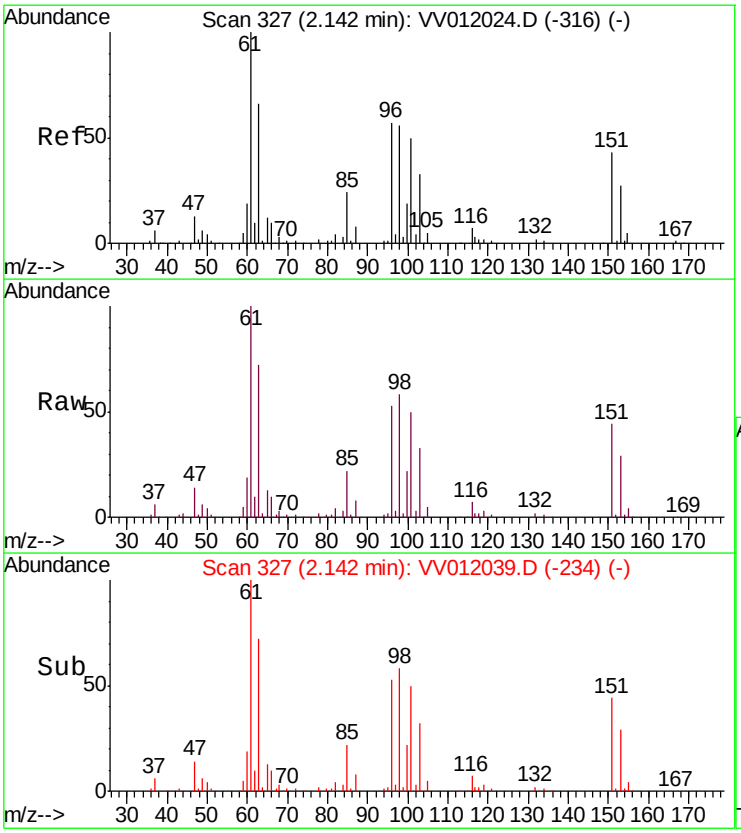

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.411 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion:101 Resp: 34183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.8 | 37.0 | 55.6 |
| 151 | 86.1 | 68.3 | 102.5 |

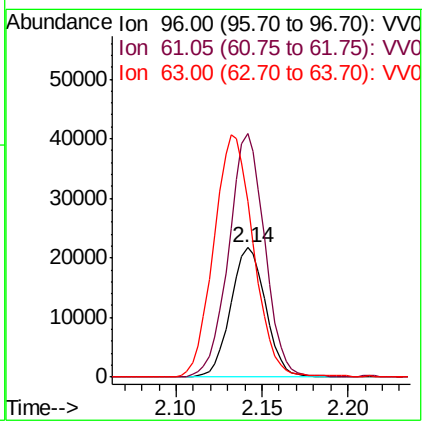


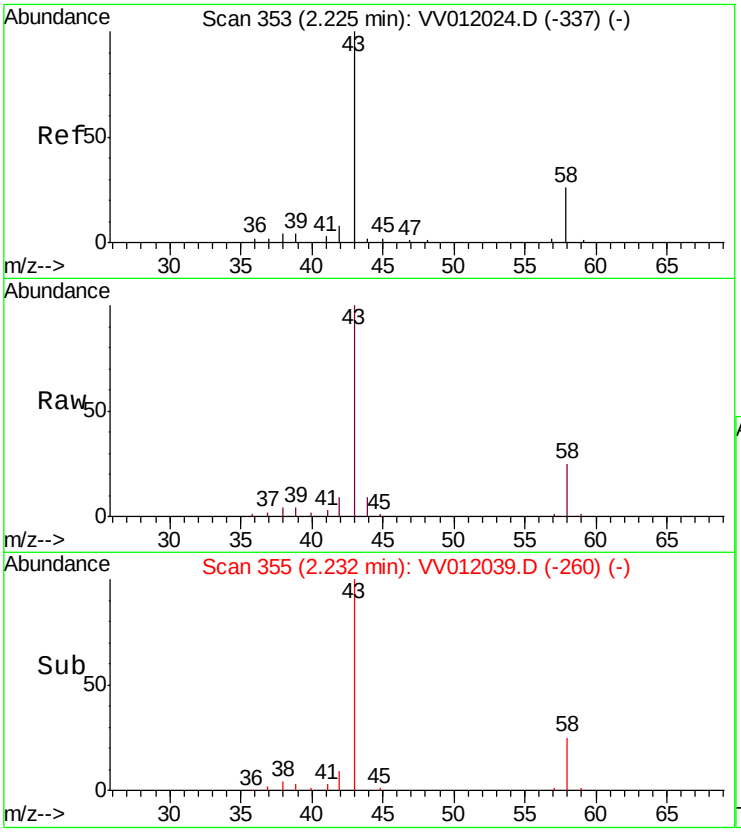




#12
1,1-Dichloroethene
Concen: 5.441 ug/L
RT: 2.14 min Scan# 327
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 96 Resp: 30744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 188.5 | 132.7 | 246.5 |
| 63 | 136.4 | 104.0 | 193.1 |



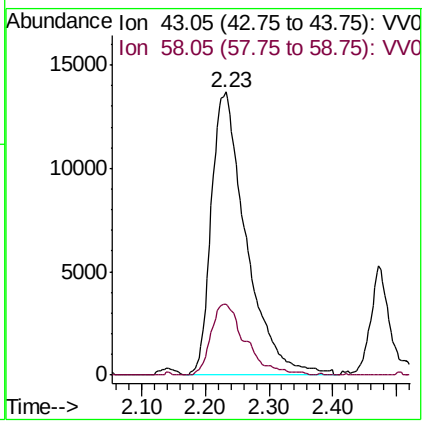


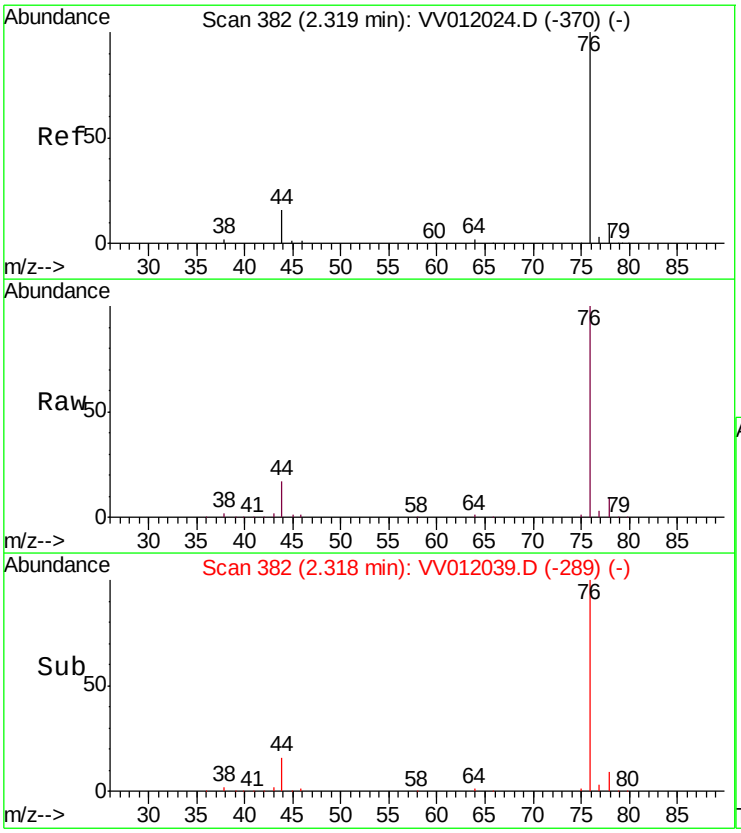

#13
Acetone
Concen: 51.296 ug/L
RT: 2.23 min Scan# 355
Delta R.T. 0.01 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion: 43 Resp: 52153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.8 | 0.0 | 51.8 |

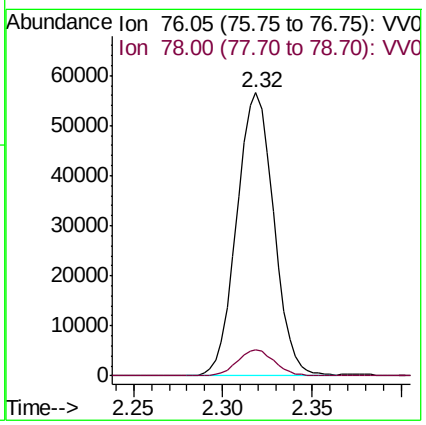


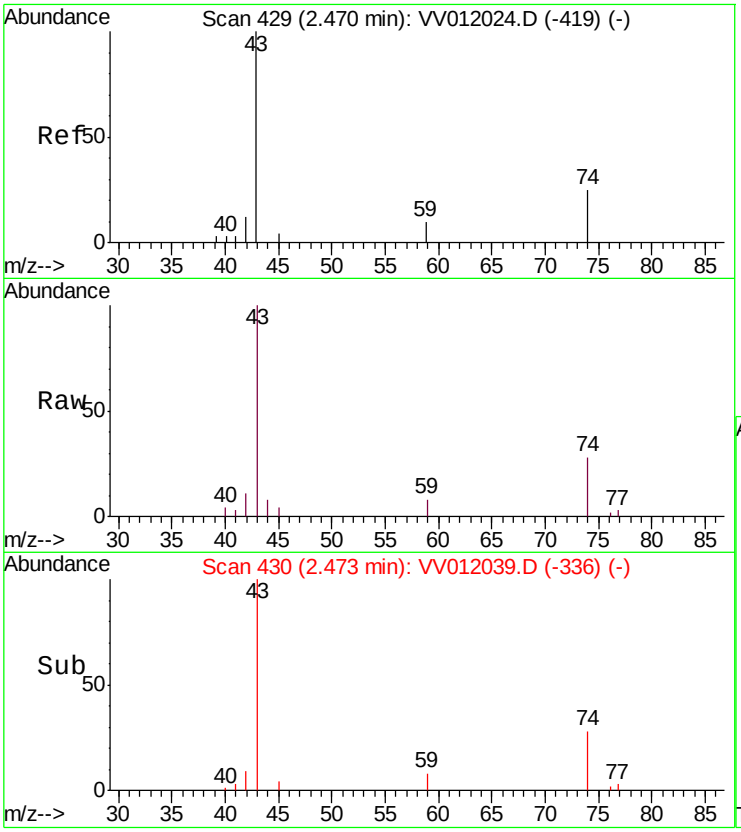




#14
Carbon disulfide
Concen: 5.082 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 76 Resp: 81850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.3 | 10.9 |



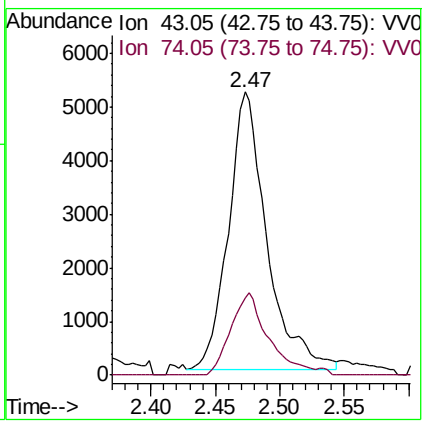


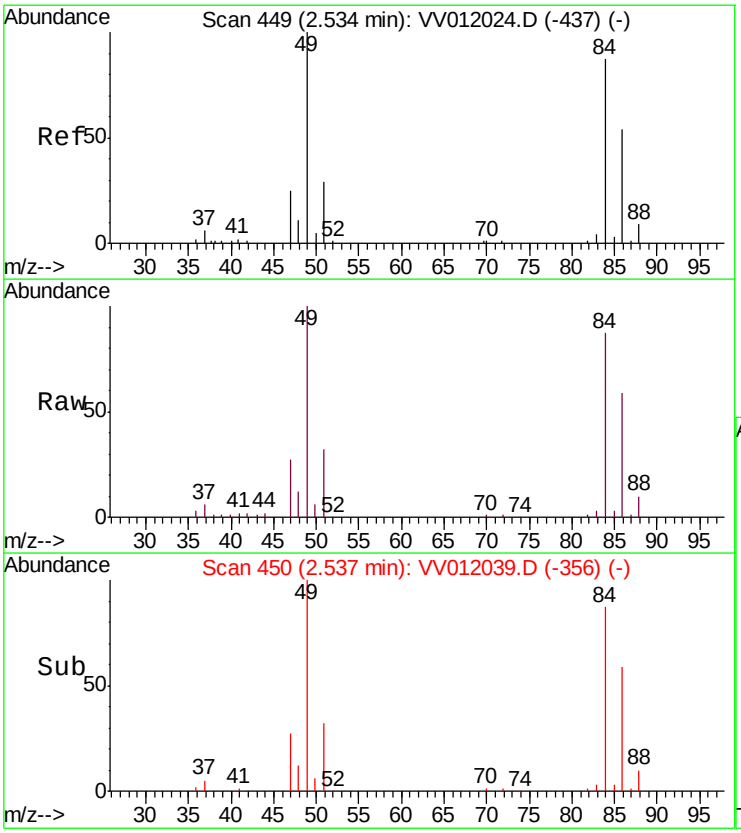

#15
Methyl Acetate
Concen: 4.820 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 43 Resp: 10699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 28.9 | 23.4 | 35.2 |

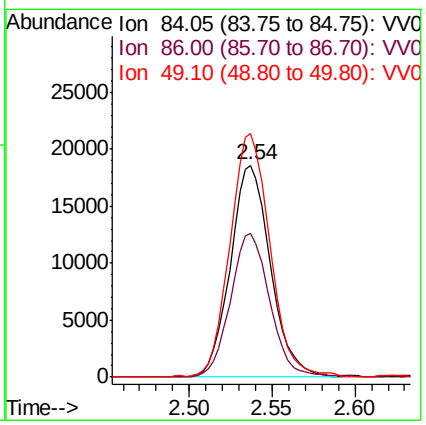


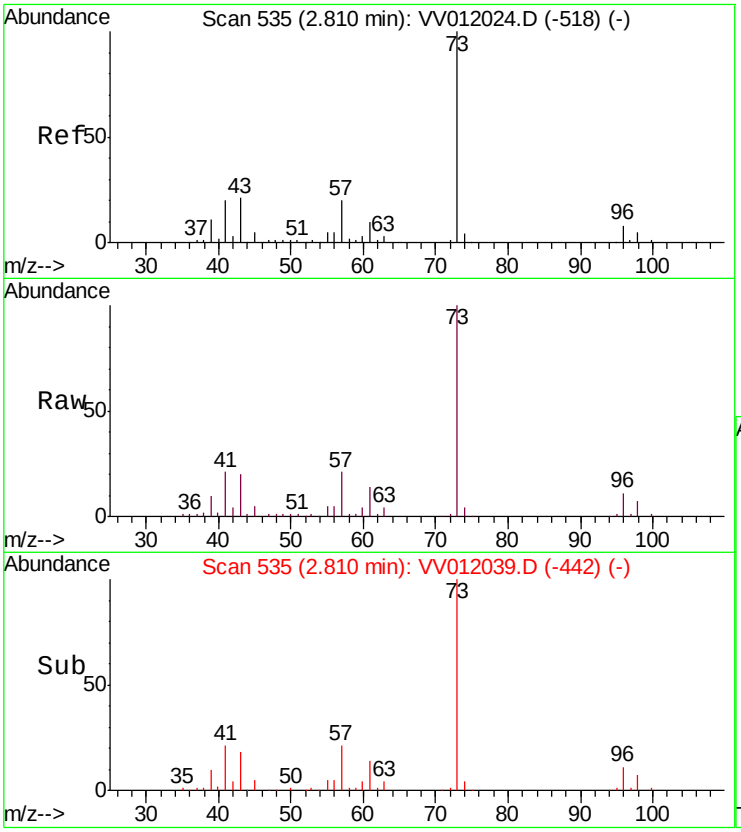




#16
Methylene chloride
Concen: 4.924 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 84 Resp: 31196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 67.9 | 47.6 | 88.4 |
| 49 | 114.8 | 84.3 | 156.5 |



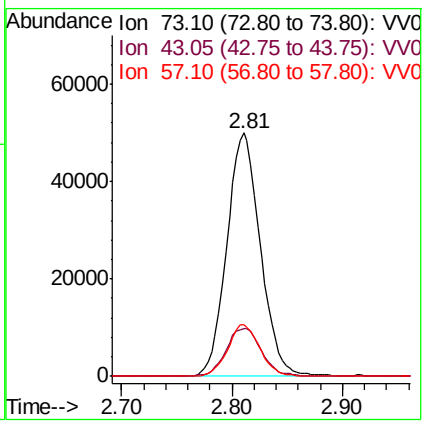


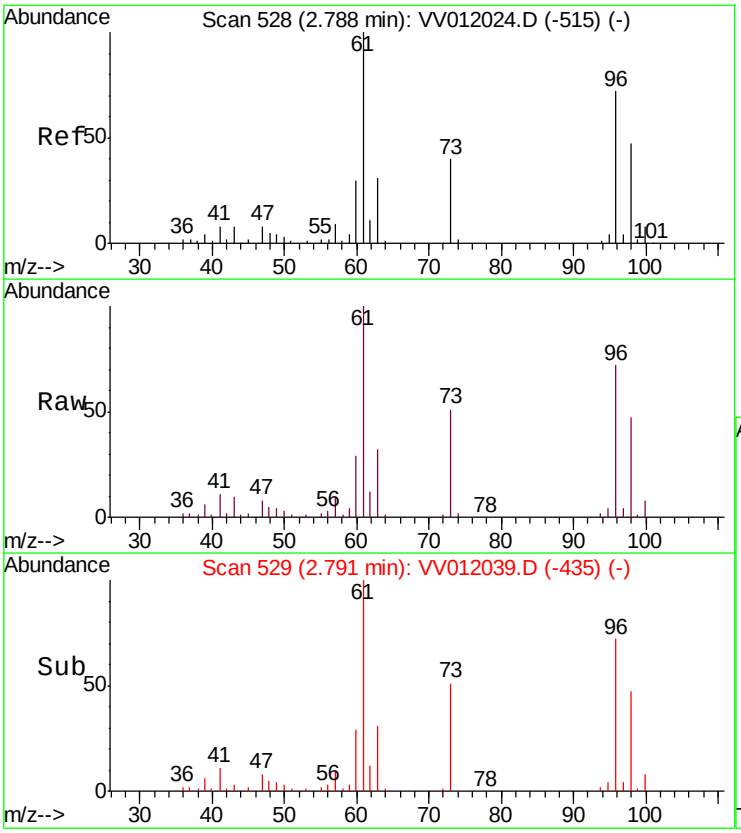

#17
Methyl tert-butyl Ether
Concen: 5.460 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 73 Resp: 105281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 20.8 | 17.0 | 25.4 |
| 57 | 20.6 | 17.0 | 25.6 |

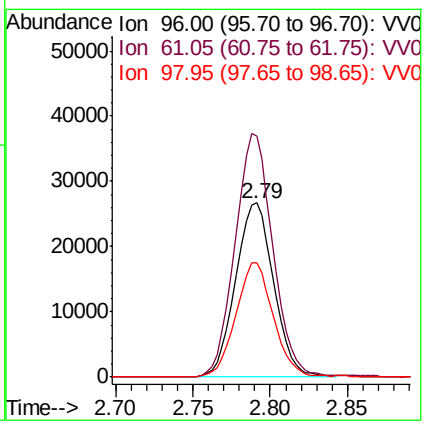


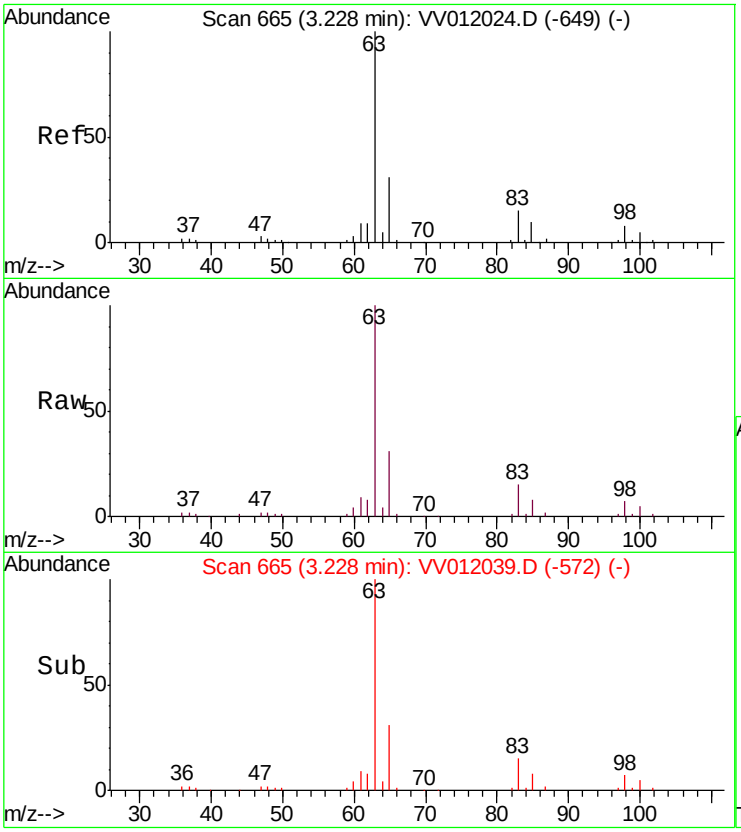




#18
trans-1,2-Dichloroethene
Concen: 5.212 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 96 Resp: 45866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.6 | 95.4 | 177.2 |
| 98 | 65.4 | 44.4 | 82.5 |



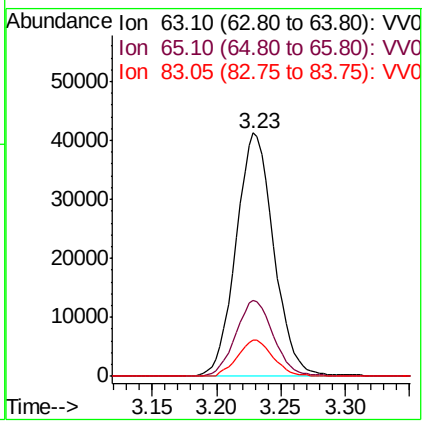


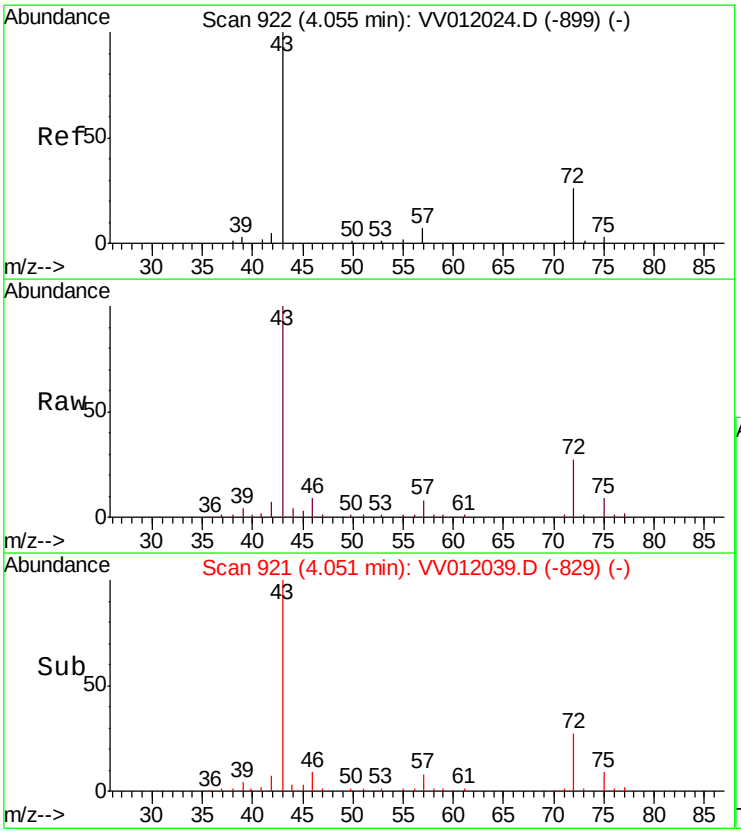

#19
1,1-Dichloroethane
Concen: 5.407 ug/L
RT: 3.23 min Scan# 665
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion: 63 Resp: 84029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 23.5 | 43.7 |
| 83 | 14.7 | 9.7 | 18.1 |

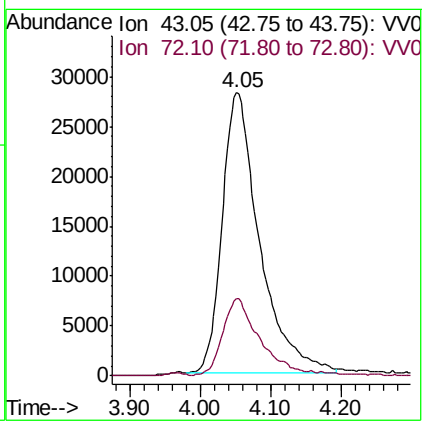


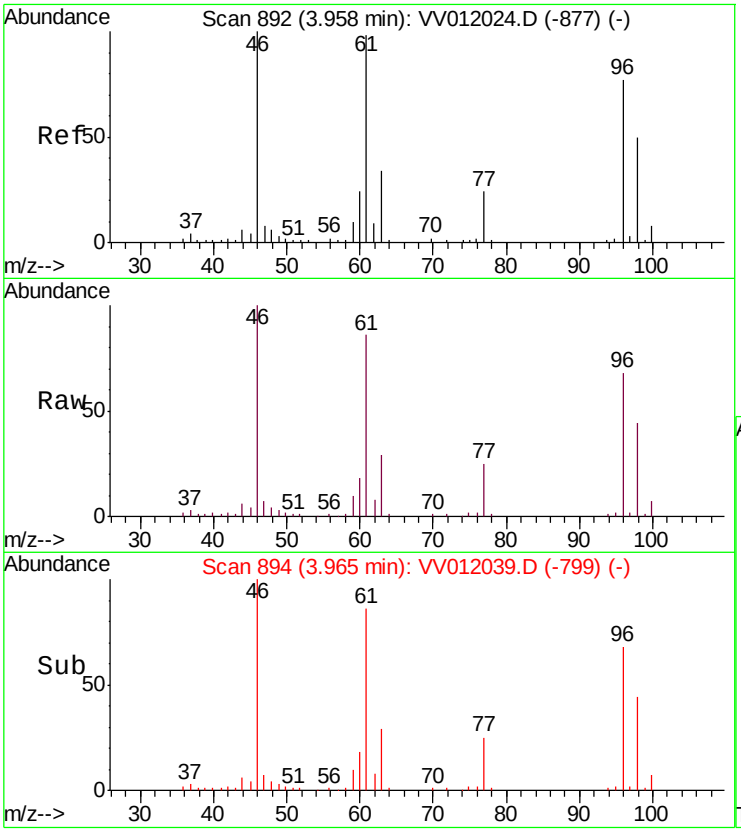




#21
2-Butanone
Concen: 53.099 ug/L
RT: 4.05 min Scan# 921
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 43 Resp: 103565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.2 | 13.6 | 40.8 |



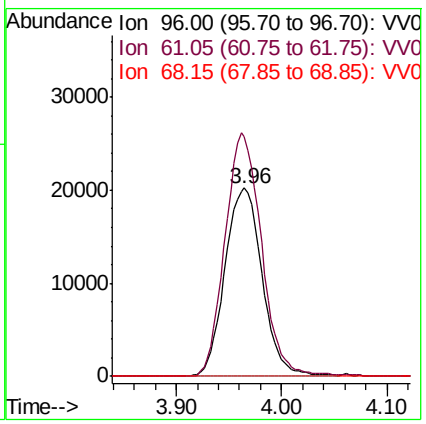


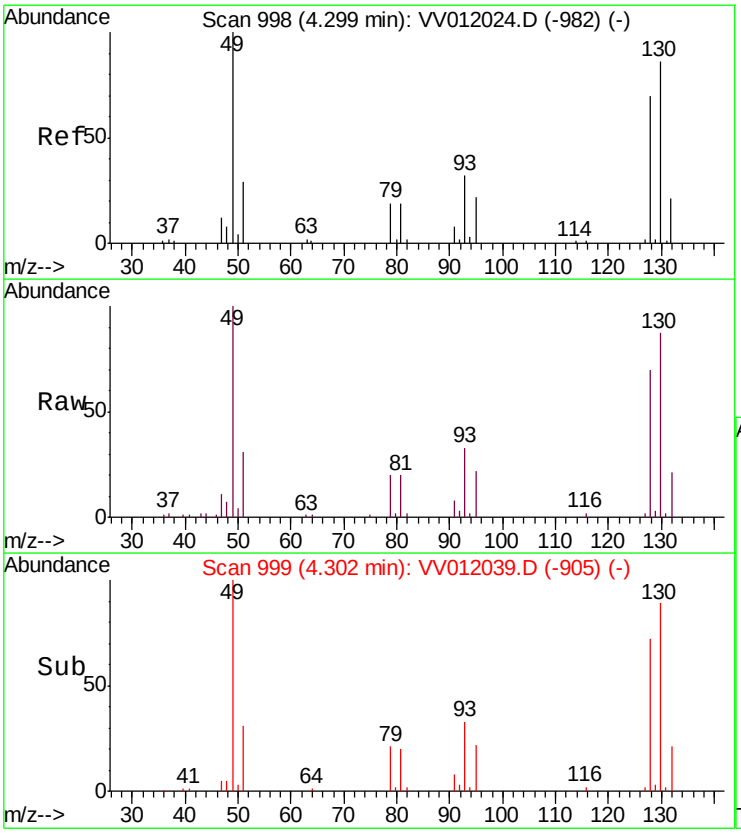

#22
cis-1,2-Dichloroethene
Concen: 5.238 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 96 Resp: 49537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 127.5 | 89.0 | 165.2 |
| 68 | 0.0 | 0.0 | 0.0 |

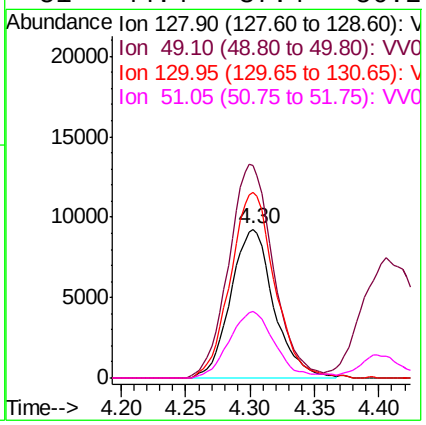


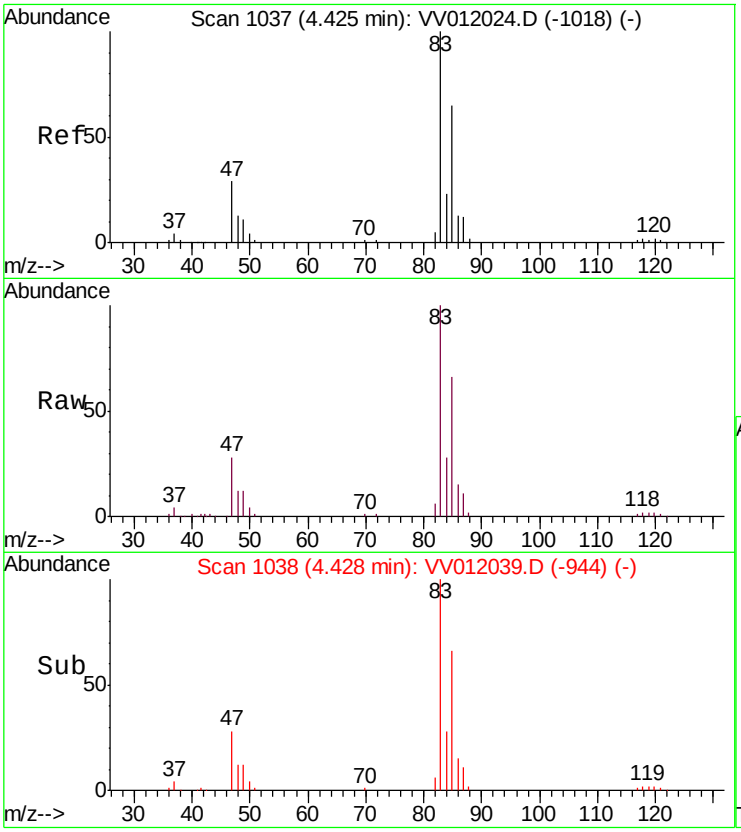




#23
Bromochloromethane
Concen: 5.536 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:128 Resp: 21522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 142.2 | 105.5 | 195.9 |
| 130 | 124.3 | 88.4 | 164.2 |
| 51 | 44.4 | 37.4 | 56.2 |



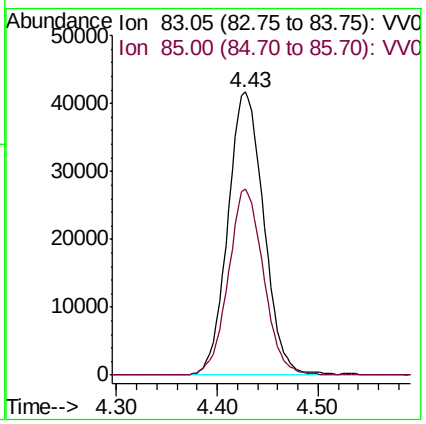


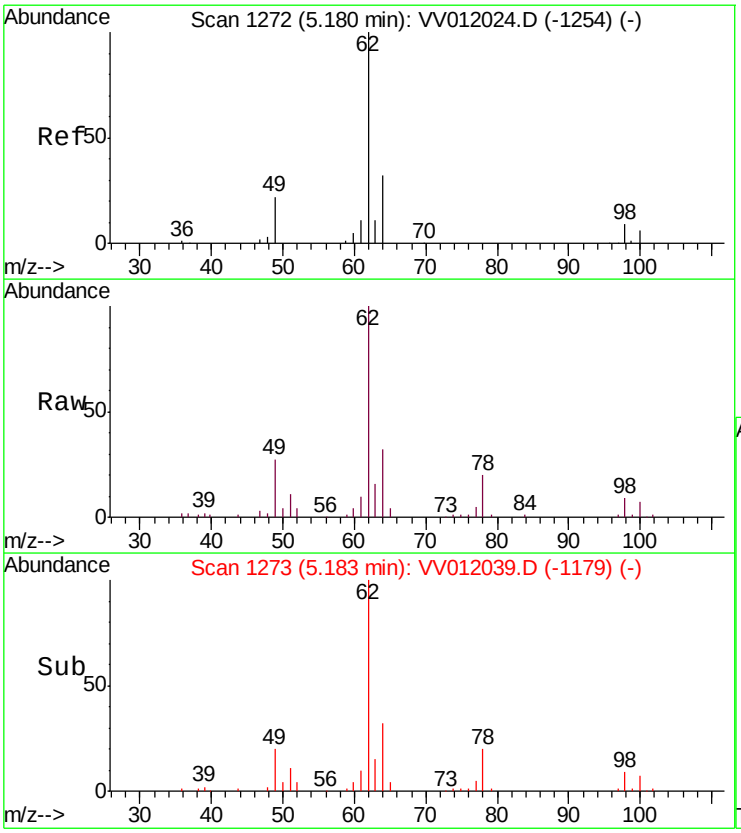

#25
Chloroform
Concen: 5.487 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 83 Resp: 102999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 46.5 | 86.3 |

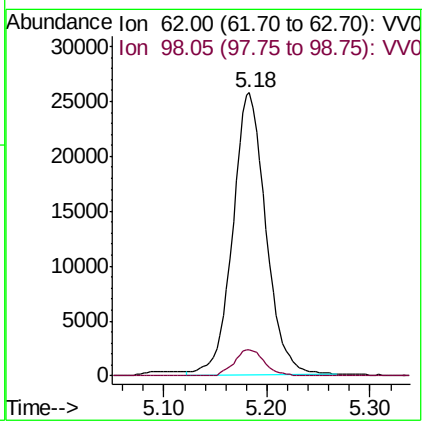


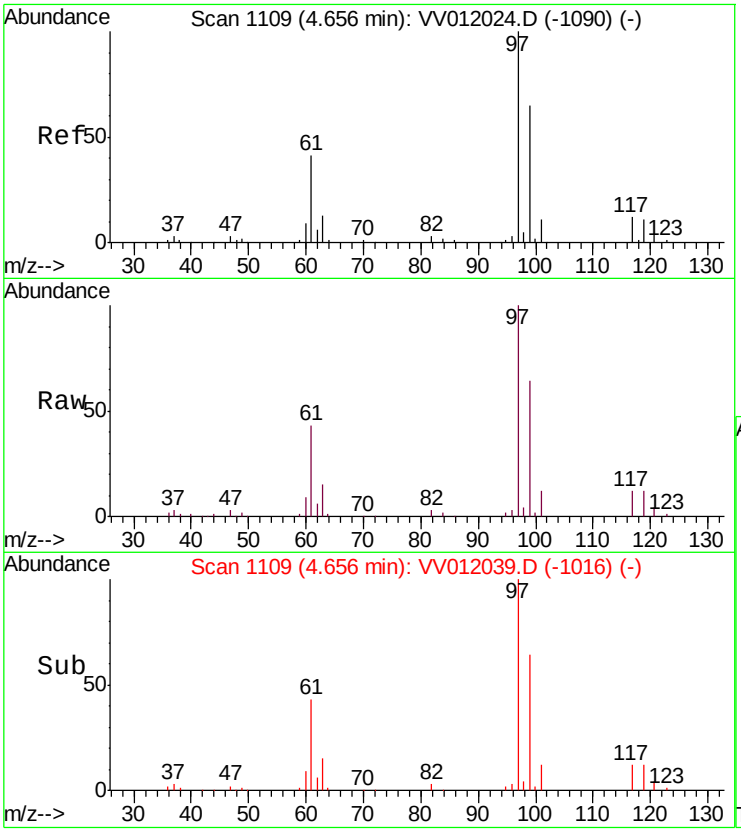




#27
1,2-Dichloroethane
Concen: 5.504 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 62 Resp: 57439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 7.0 | 10.6 |



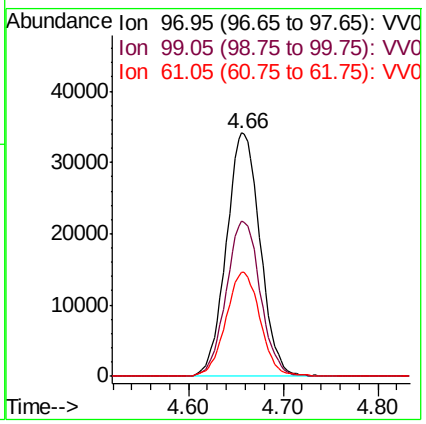


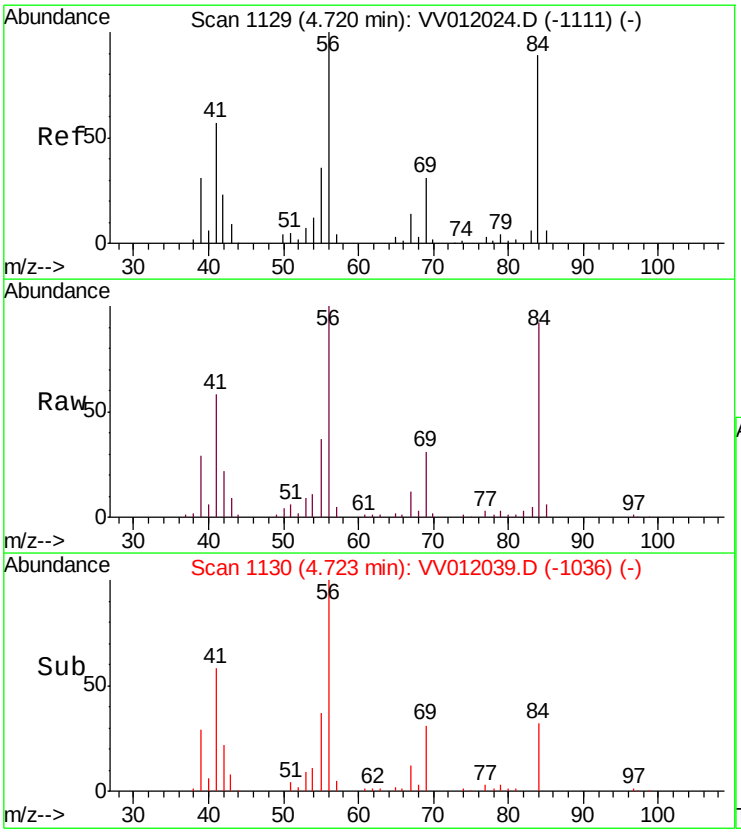

#29
1,1,1-Trichloroethane
Concen: 5.532 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 97 Resp: 84620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.7 | 77.5 |
| 61 | 43.4 | 35.1 | 52.7 |

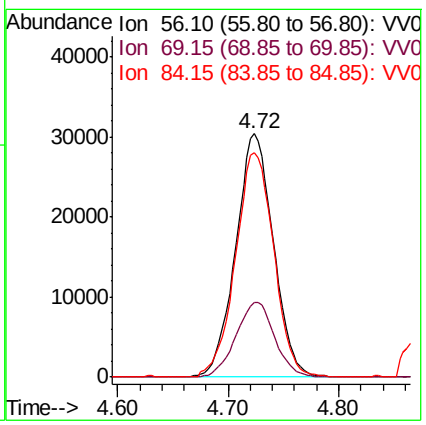


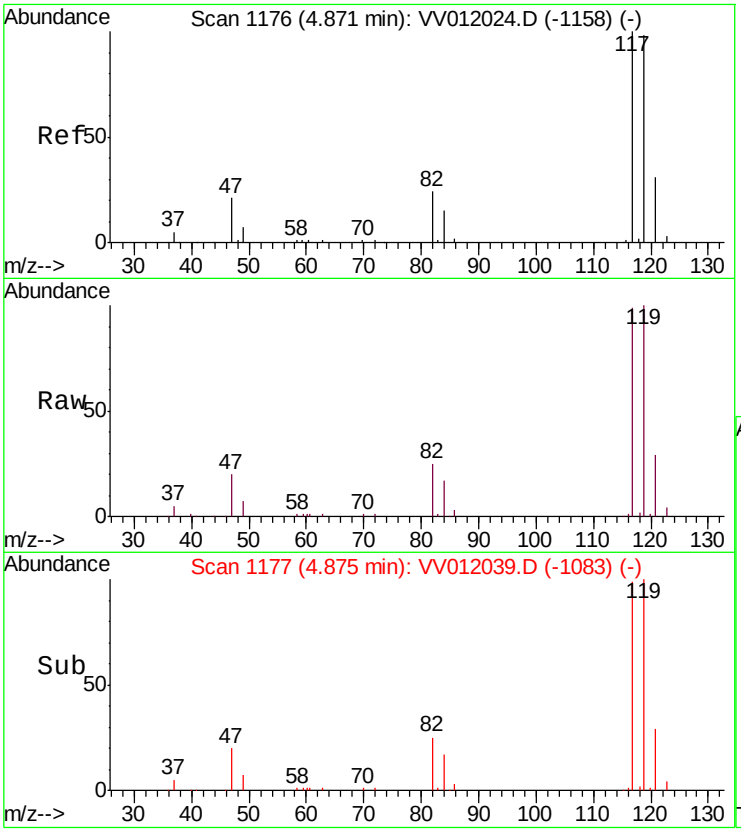




#30
Cyclohexane
Concen: 4.979 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 56 Resp: 71948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.5 | 25.4 | 38.2 |
| 84 | 93.7 | 73.4 | 110.0 |



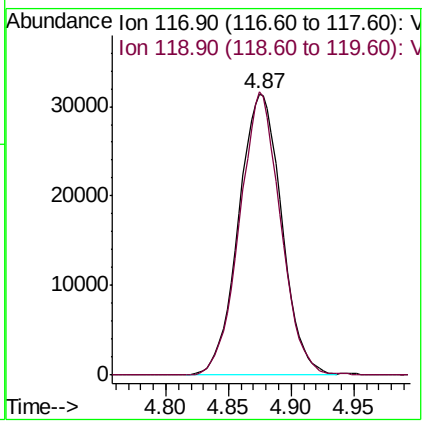


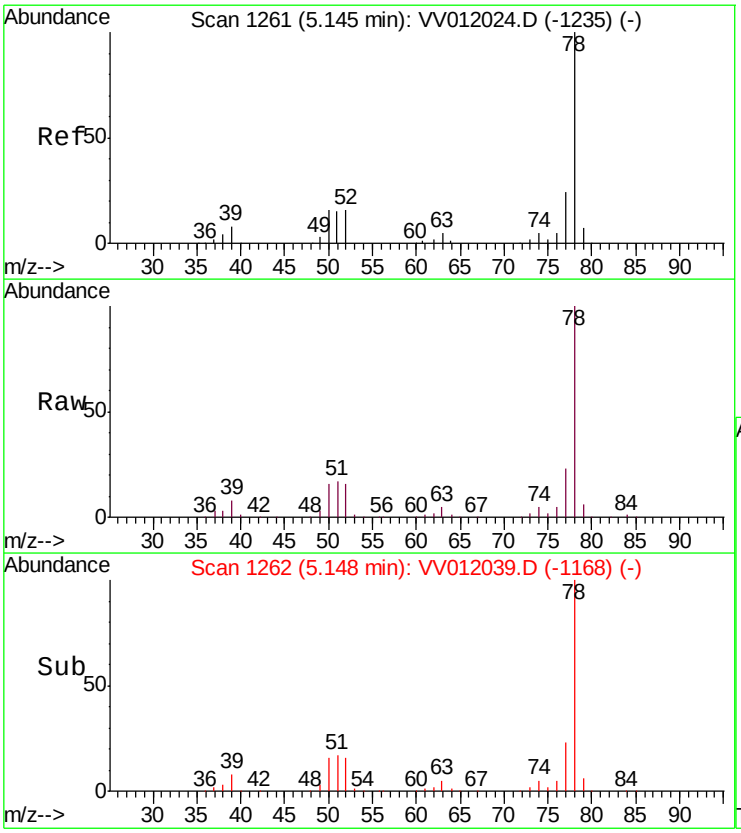

#31
Carbon tetrachloride
Concen: 5.445 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion:117 Resp: 74979

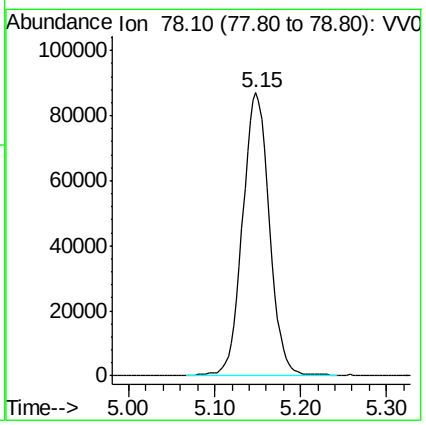
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 76.4 | 114.6 |

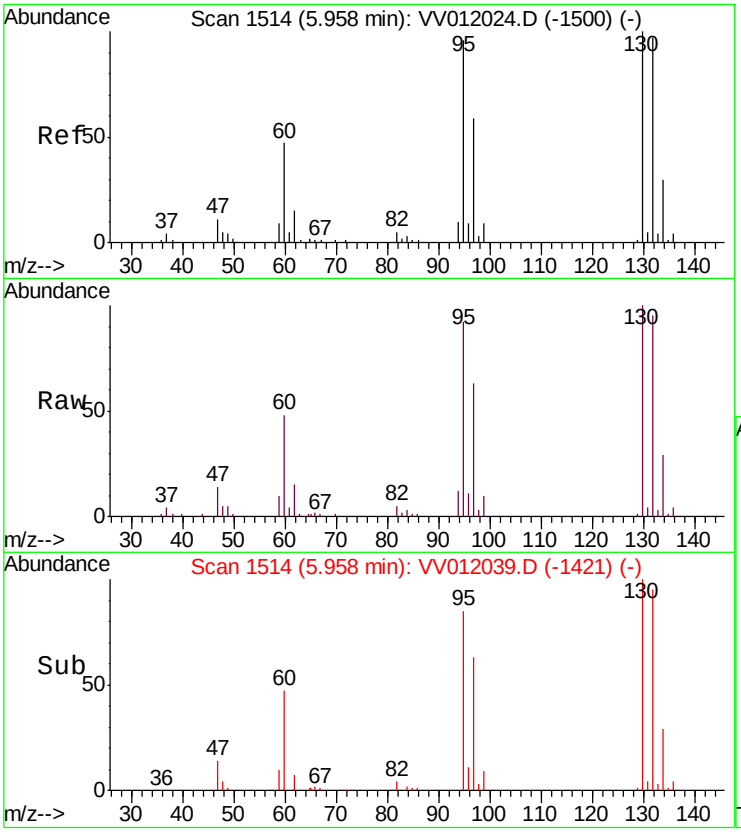



#33
Benzene
Concen: 5.379 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 78 Resp: 189100



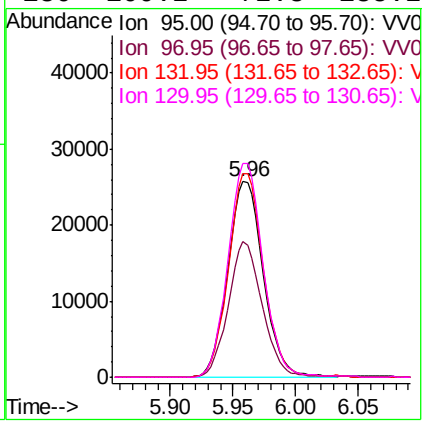


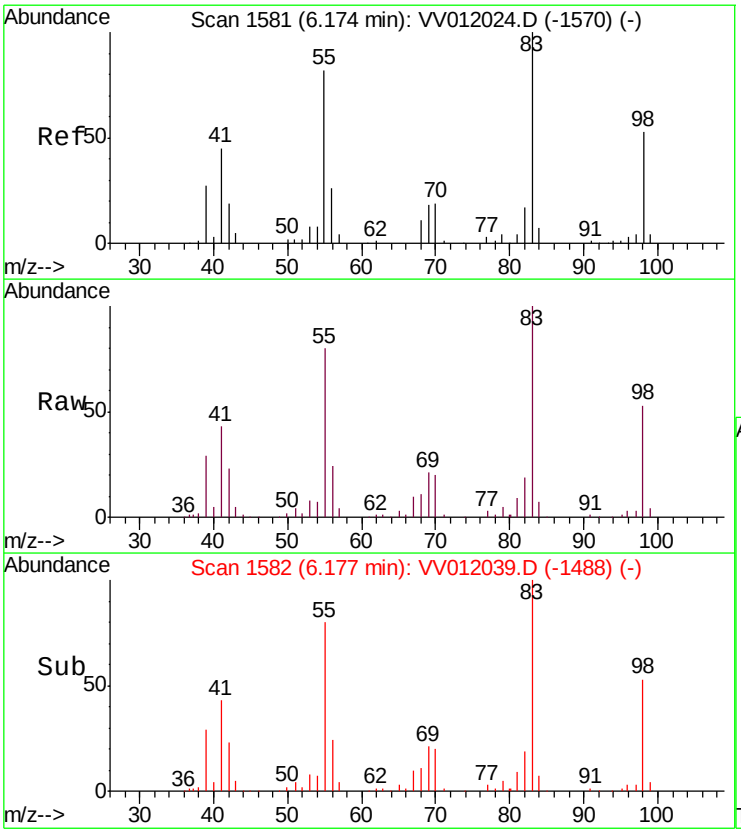

#34
Trichloroethene
Concen: 5.186 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 95 Resp: 50630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 69.2 | 45.6 | 84.6 |
| 132 | 104.1 | 71.3 | 132.3 |
| 130 | 109.2 | 72.8 | 135.2 |

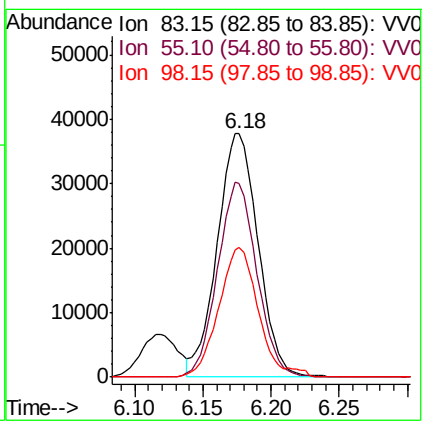


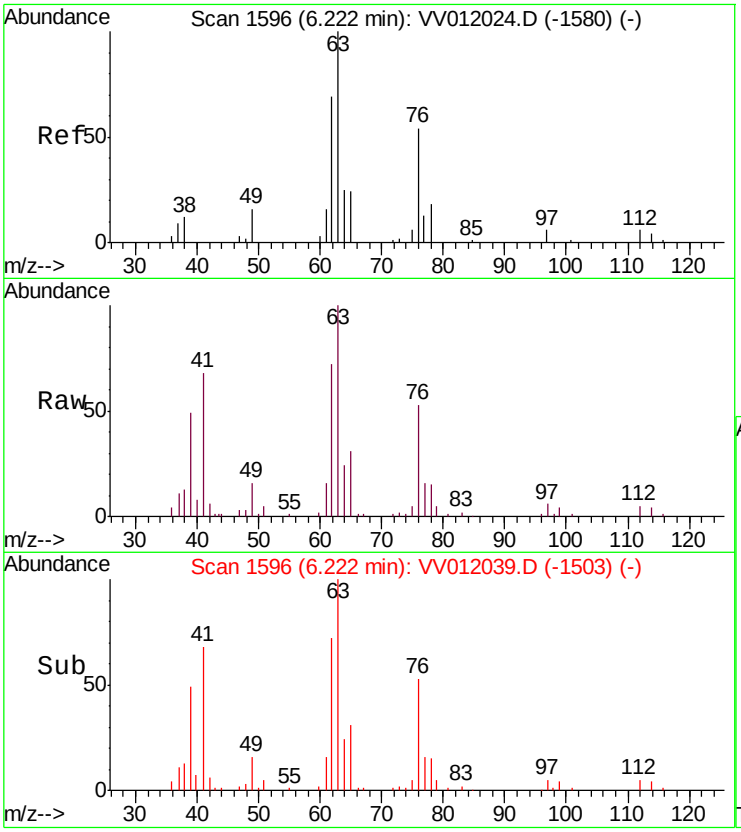




#35
Methylcyclohexane
Concen: 5.170 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 83 Resp: 78567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.0 | 63.0 | 94.4 |
| 98 | 51.4 | 41.4 | 62.0 |



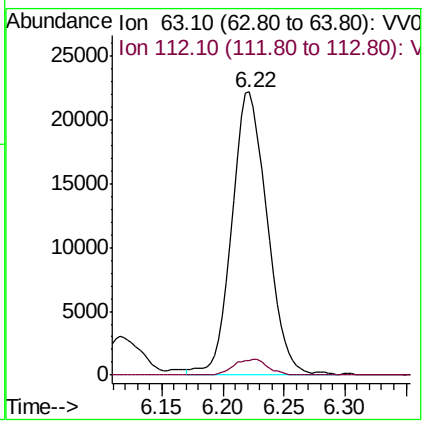


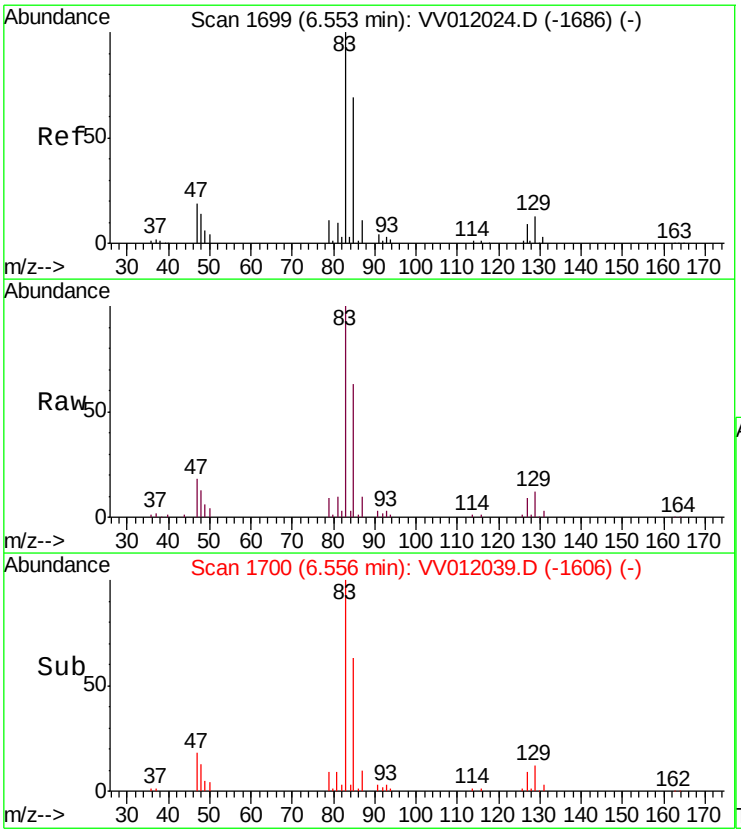

#37
1,2-Dichloropropane
Concen: 5.281 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 63 Resp: 44631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 5.3 | 4.2 | 6.4 |

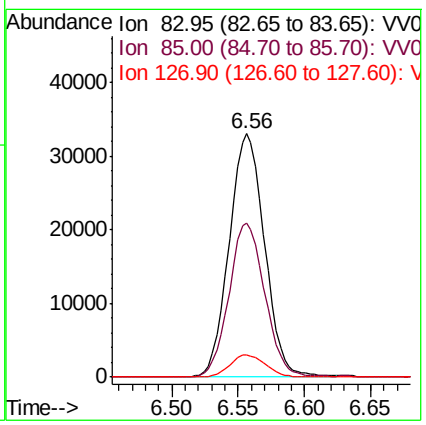


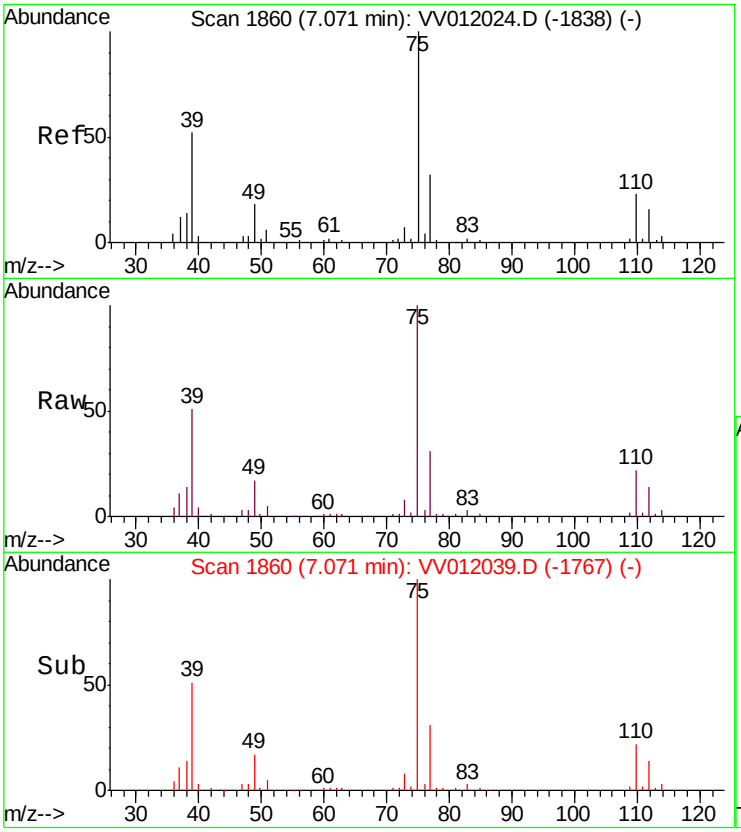




#38
Bromodichloromethane
Concen: 5.435 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 83 Resp: 61374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 44.4 | 82.4 |
| 127 | 9.0 | 7.9 | 11.9 |



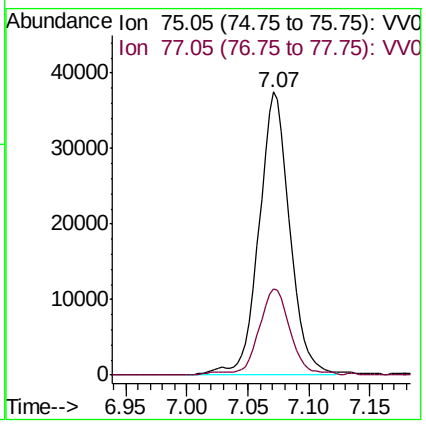


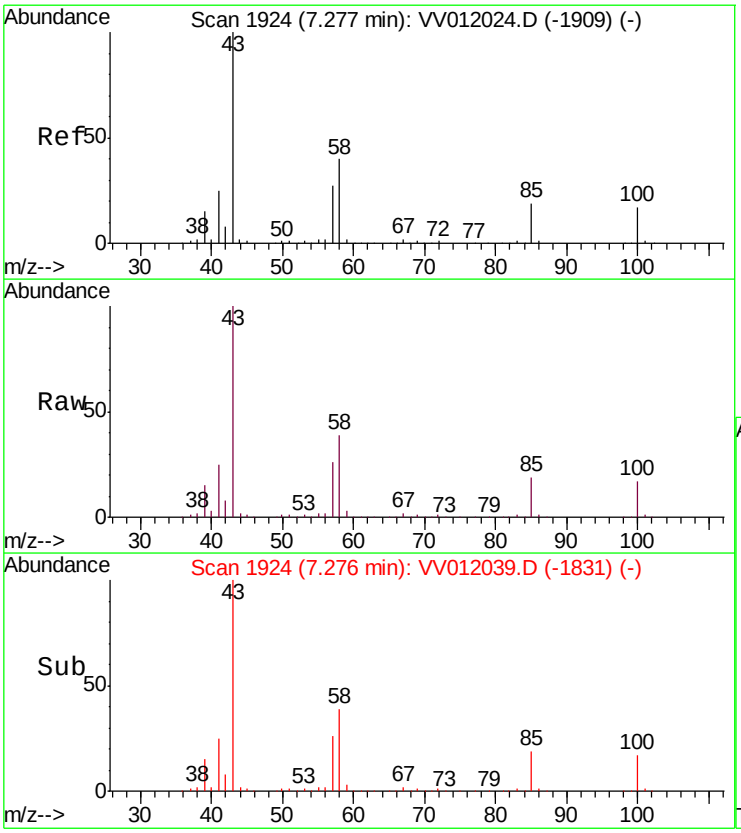

#39
cis-1,3-Dichloropropene
Concen: 5.251 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 75 Resp: 65777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 21.3 | 39.6 |

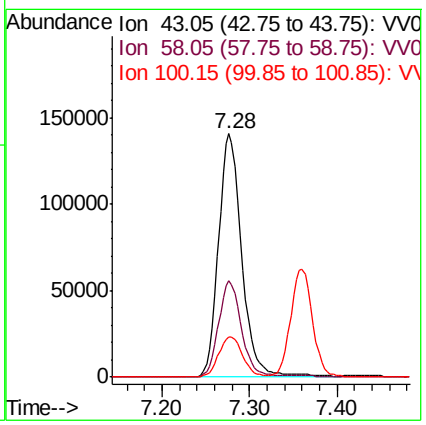


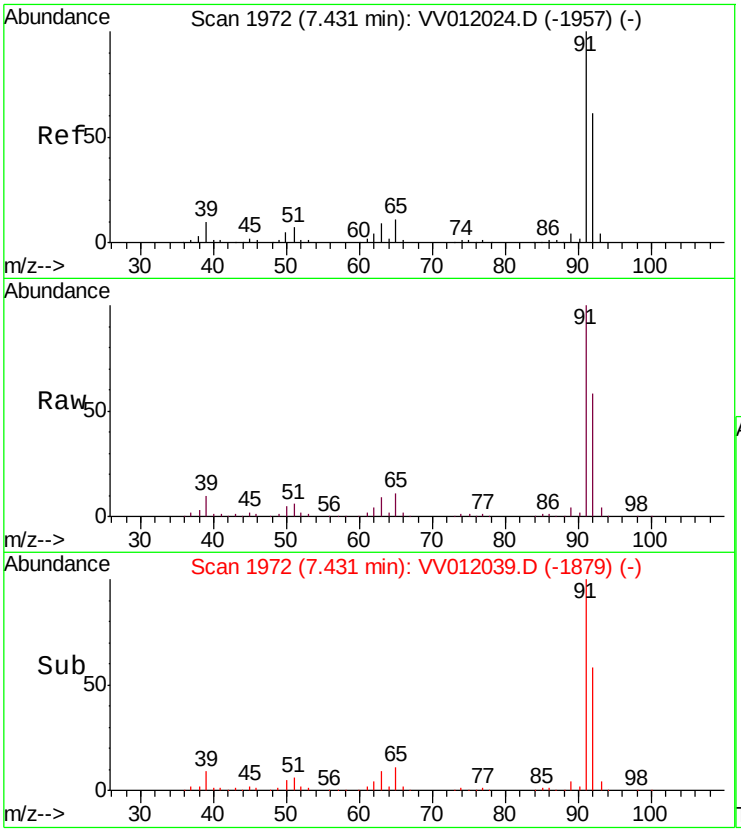




#40
4-Methyl-2-pentanone
Concen: 55.113 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 43 Resp: 260263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.8 | 31.2 | 46.8 |
| 100 | 17.1 | 13.5 | 20.3 |



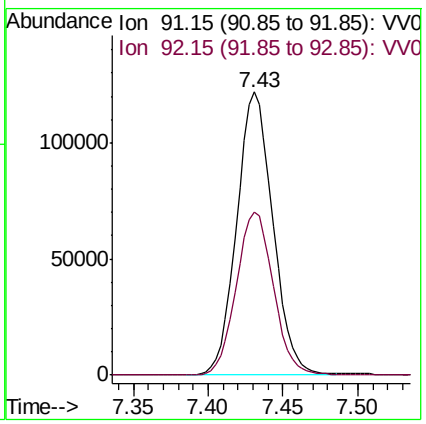


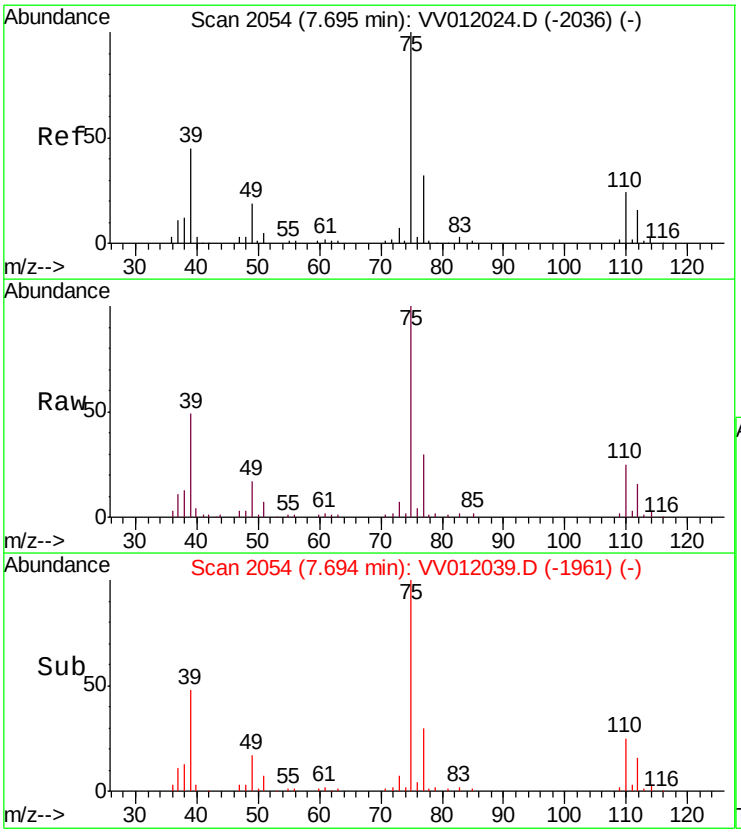

#42
Toluene
Concen: 5.433 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion: 91 Resp: 205005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.7 | 41.9 | 77.9 |

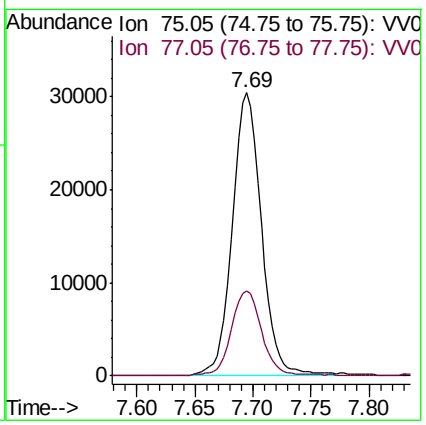


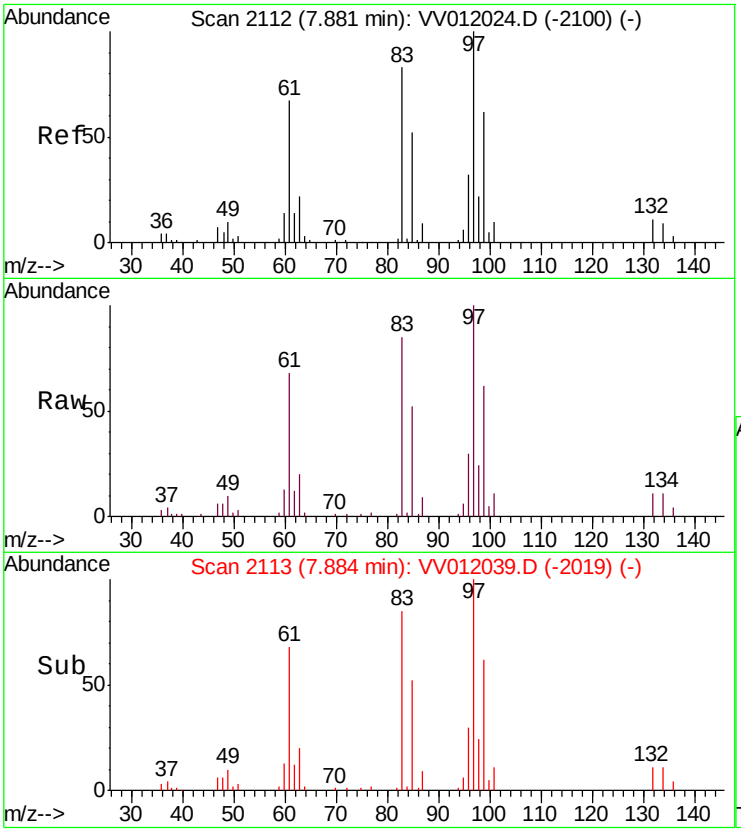




#44
trans-1,3-Dichloropropene
Concen: 5.316 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 75 Resp: 52972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.1 | 22.0 | 40.8 |



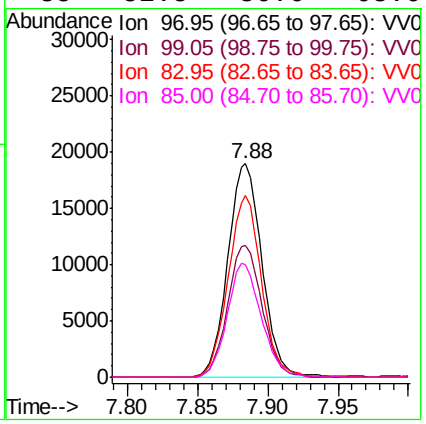


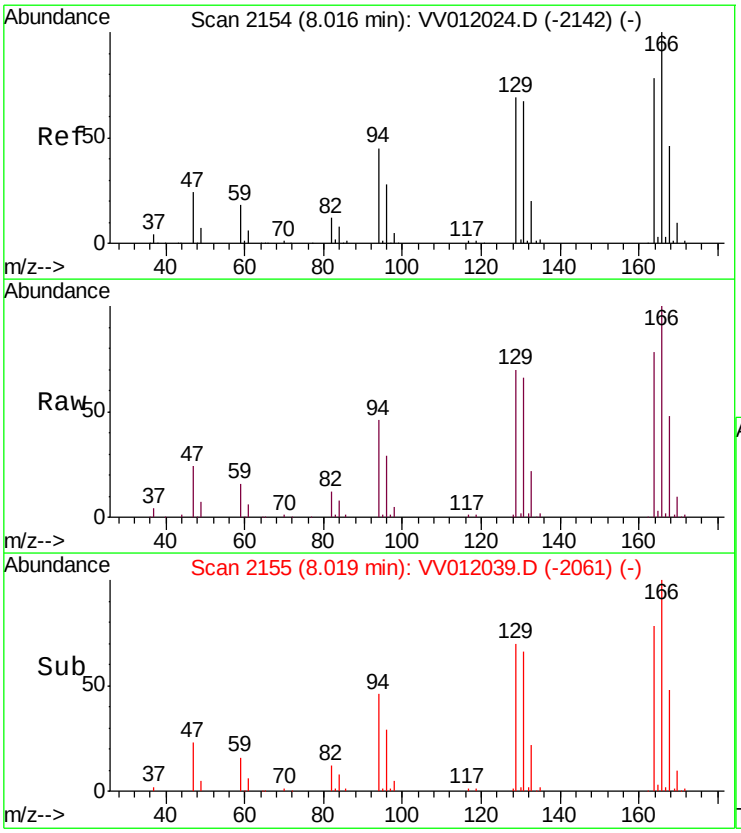

#45
1,1,2-Trichloroethane
Concen: 5.507 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 97 Resp: 32148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 61.9 | 44.0 | 81.8 |
| 83 | 84.8 | 59.5 | 110.5 |
| 85 | 52.5 | 36.6 | 68.0 |

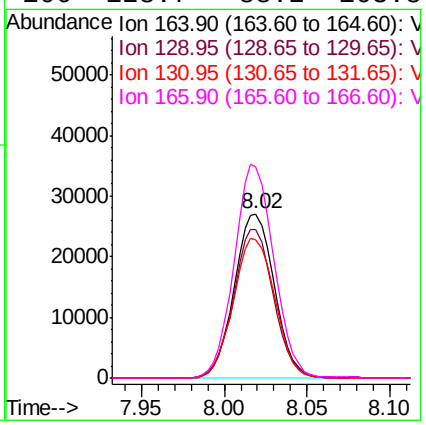


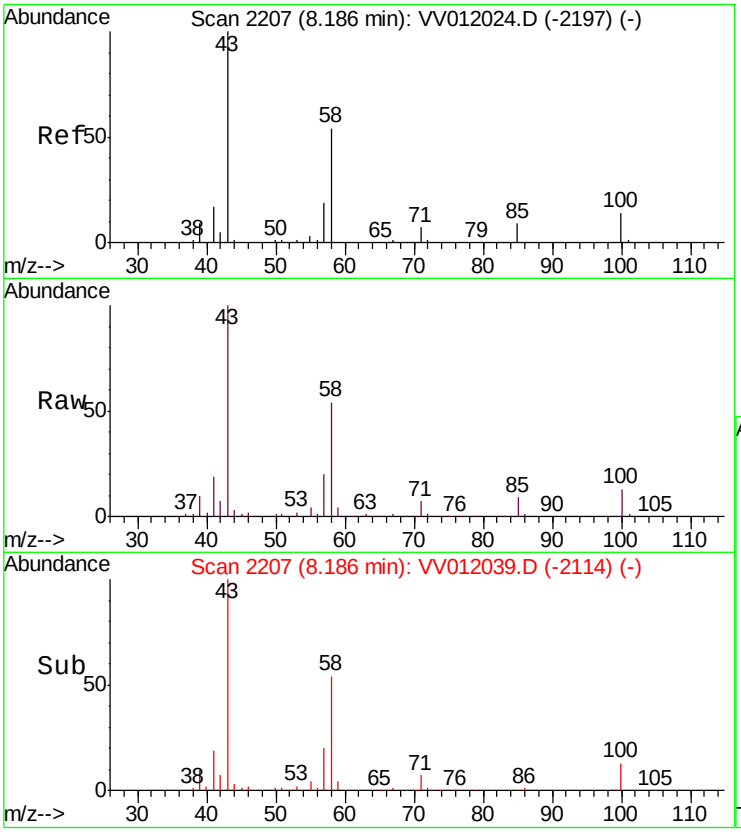




#47
Tetrachloroethene
Concen: 5.411 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:164 Resp: 45582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.4 | 62.5 | 116.1 |
| 131 | 84.4 | 58.6 | 108.8 |
| 166 | 128.7 | 88.2 | 163.8 |



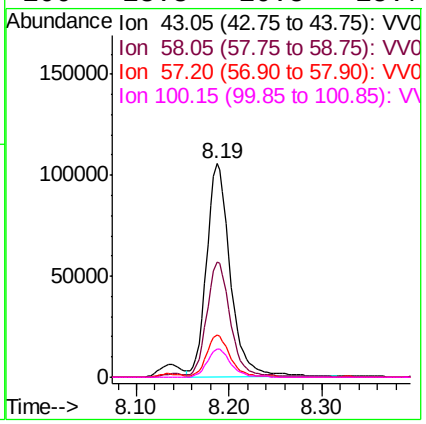


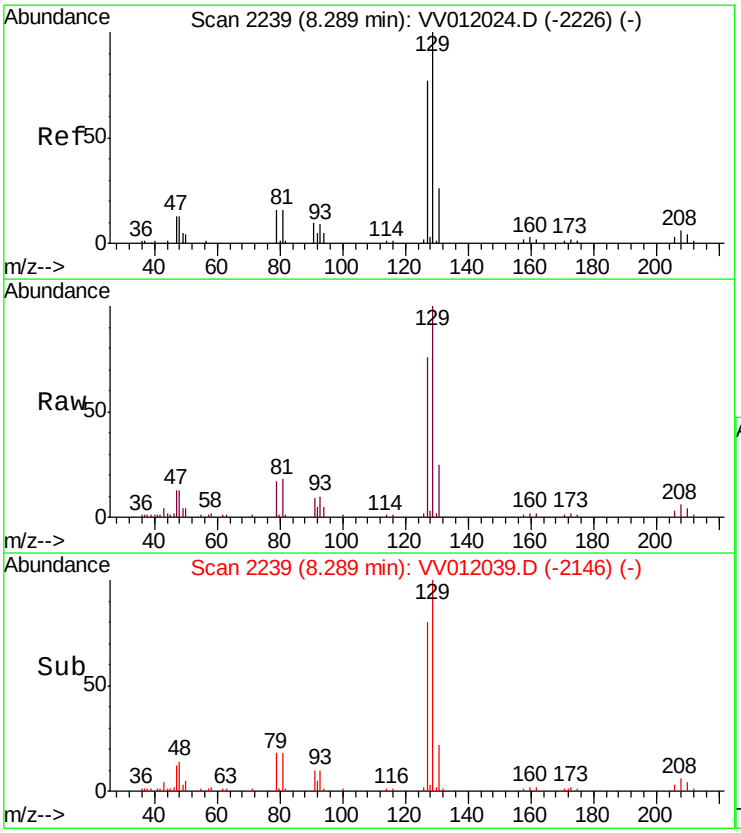

#48
2-Hexanone
Concen: 56.442 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion: 43 Resp: 186976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 43.7 | 65.5 |
| 57 | 19.3 | 16.0 | 24.0 |
| 100 | 13.3 | 10.5 | 15.7 |

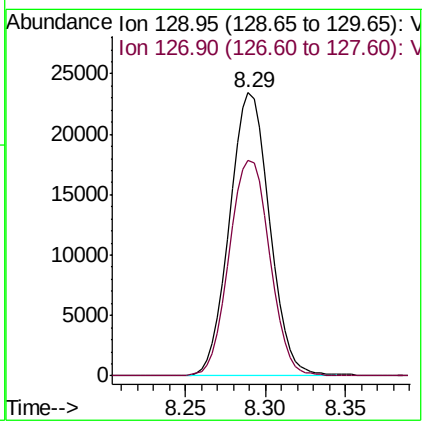


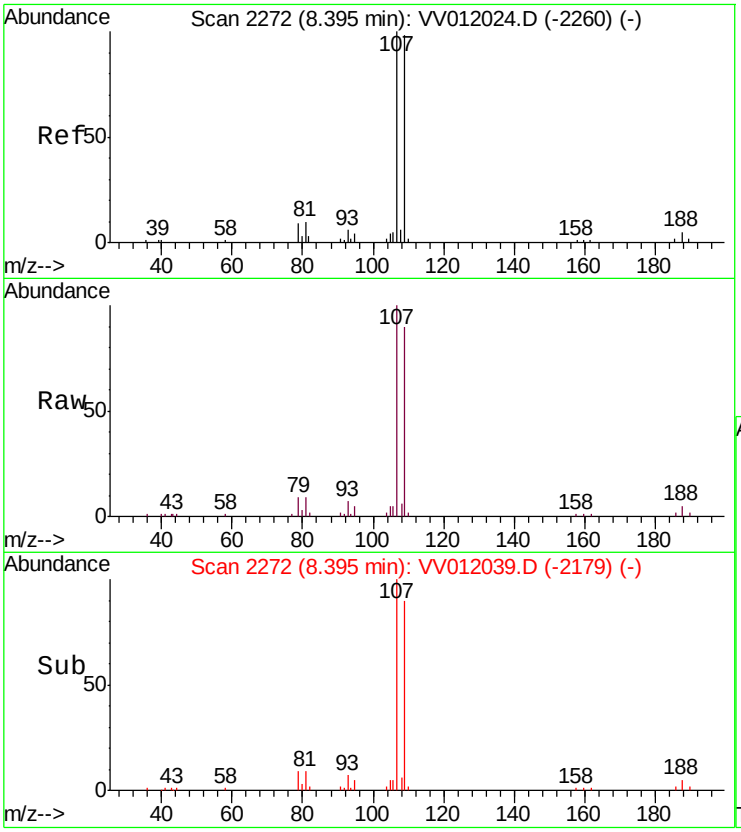




#49
Dibromochloromethane
Concen: 5.585 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:129 Resp: 39921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 55.3 | 102.7 |



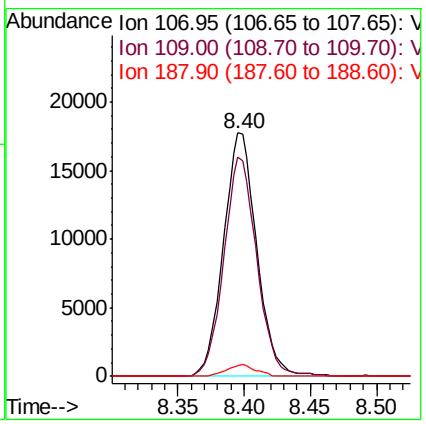


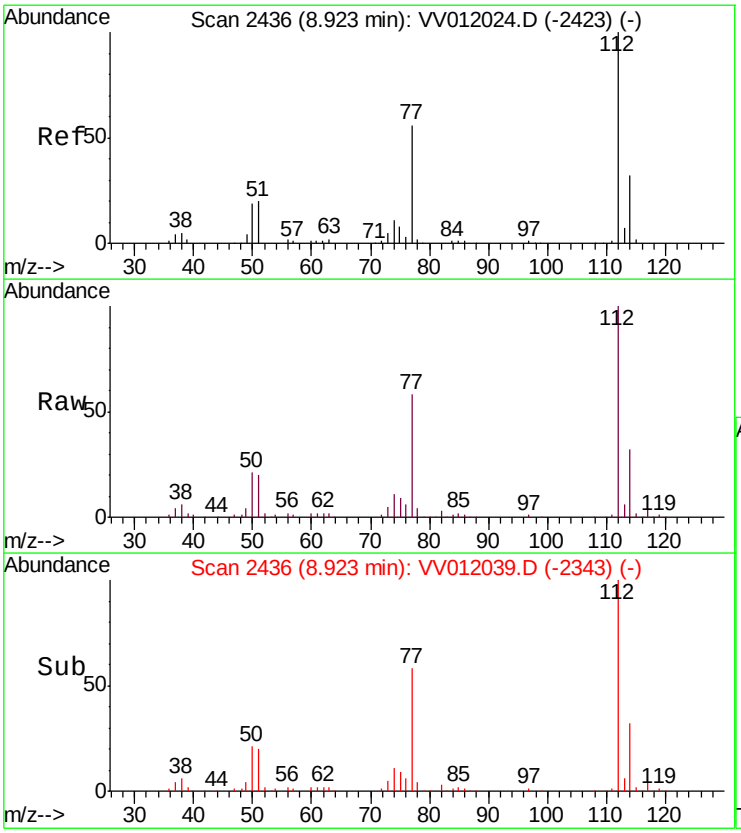

#50
1,2-Dibromoethane
Concen: 5.606 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion:107 Resp: 30895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 89.8 | 68.1 | 126.5 |
| 188 | 4.6 | 3.5 | 5.3 |

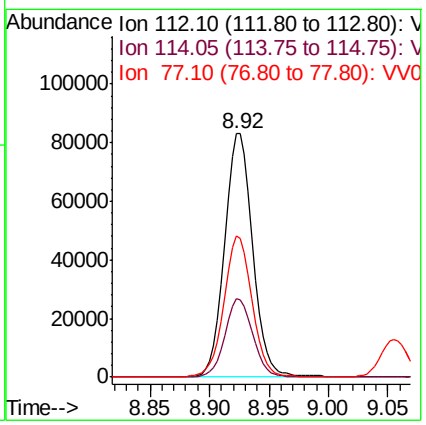


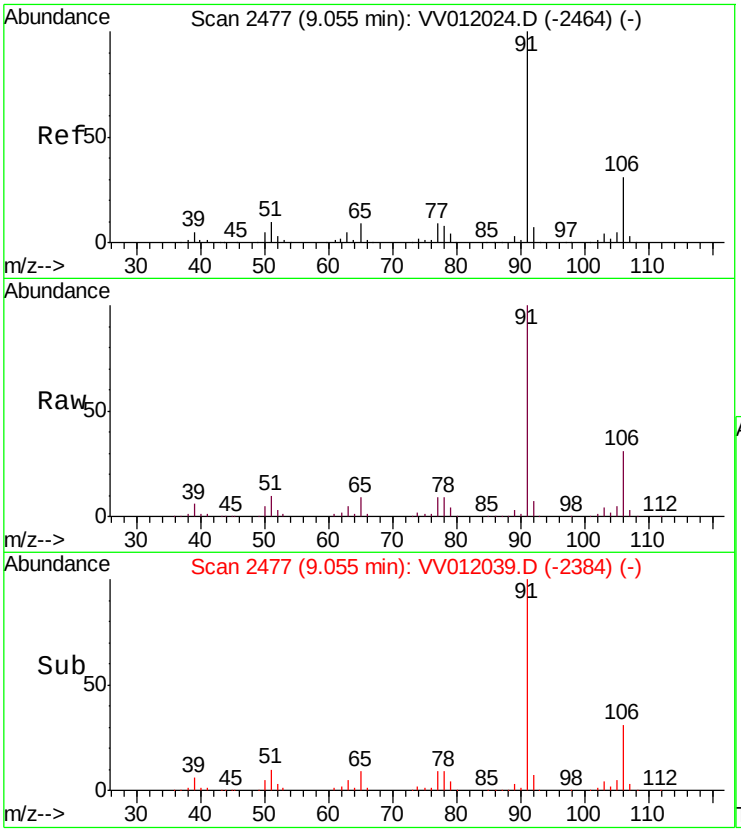




#51
Chlorobenzene
Concen: 5.505 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:112 Resp: 136030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 23.0 | 42.8 |
| 77 | 57.8 | 46.4 | 69.6 |



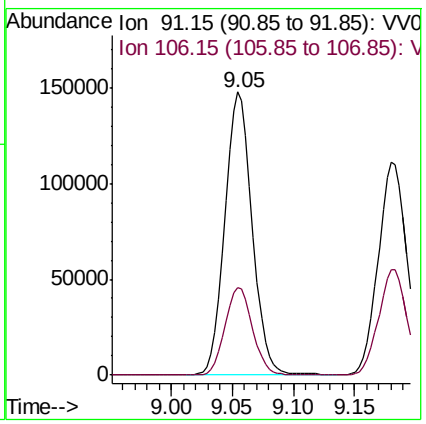


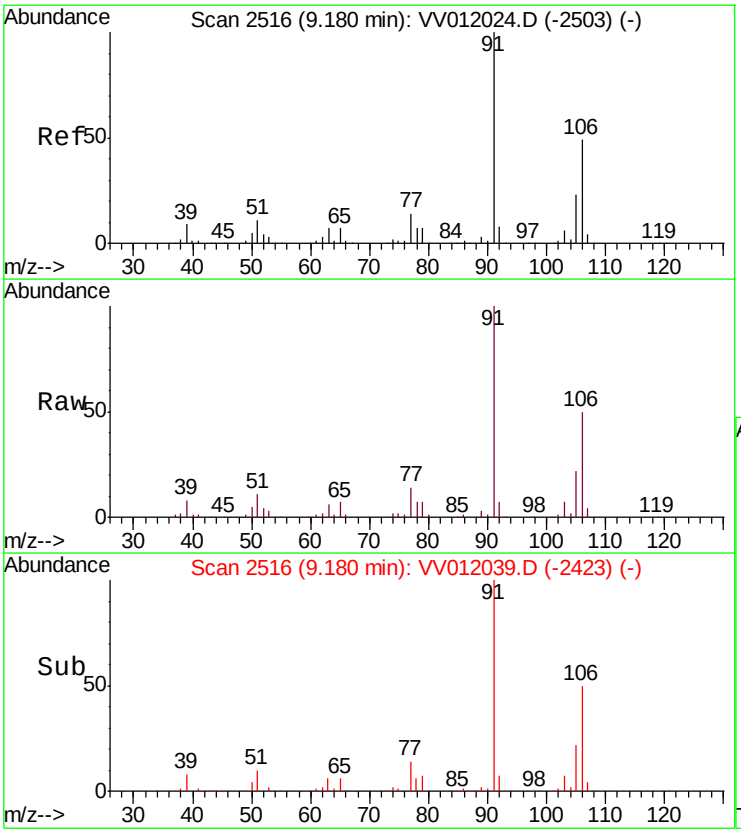

#52
Ethylbenzene
Concen: 5.390 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 91 Resp: 232173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 21.6 | 40.0 |

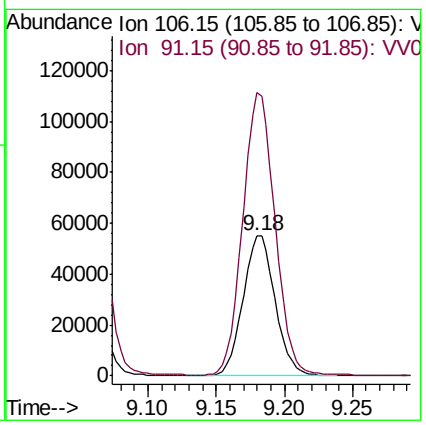


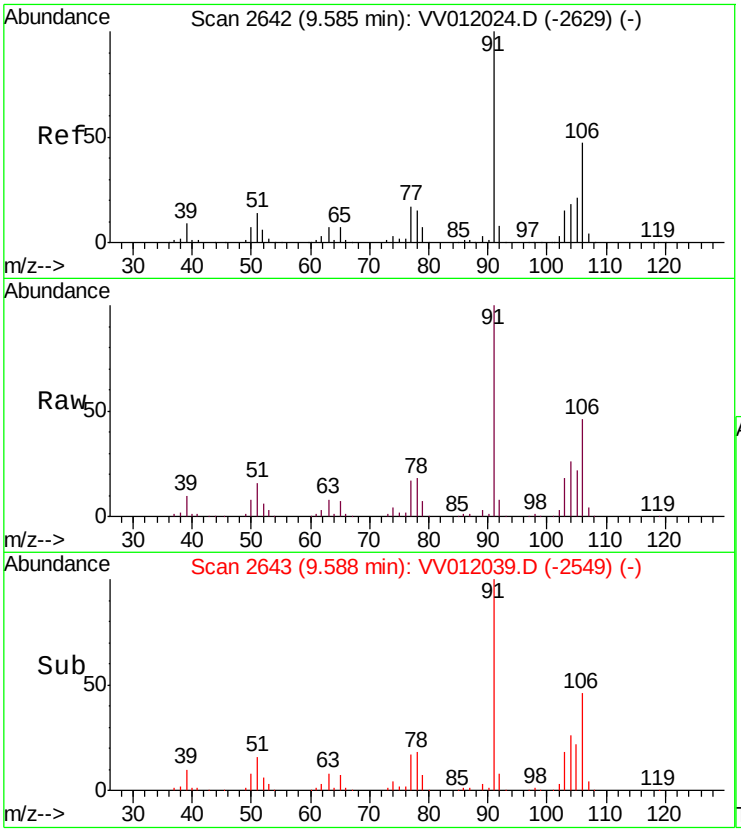




#53
m,p-xylene
Concen: 5.462 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:106 Resp: 89544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.8 | 142.7 | 265.1 |



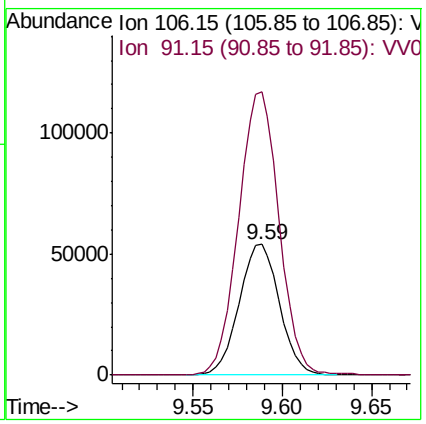


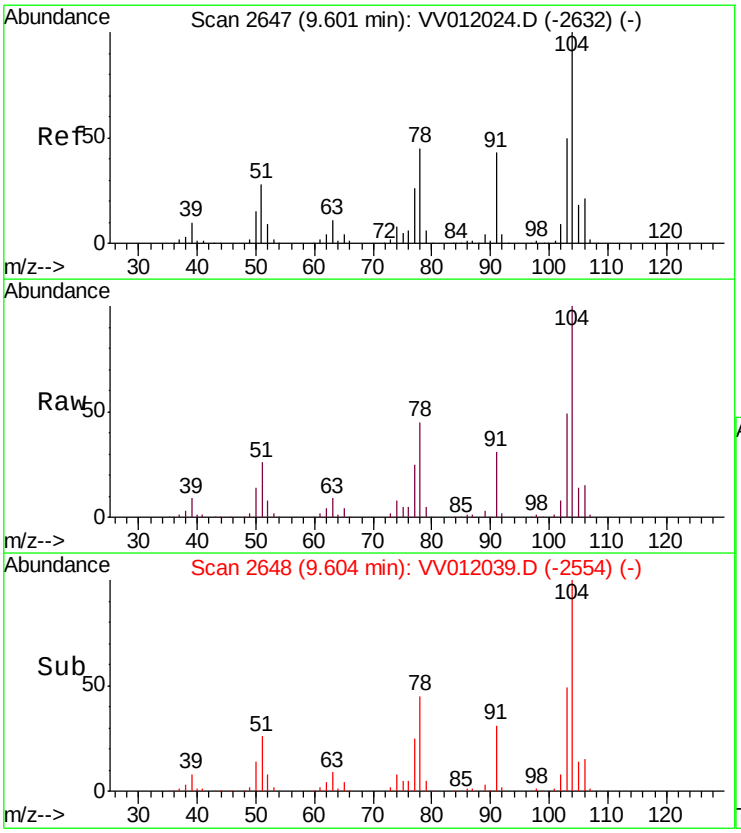

#54
o-xylene
Concen: 5.479 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion:106 Resp: 85180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.8 | 151.0 | 280.4 |

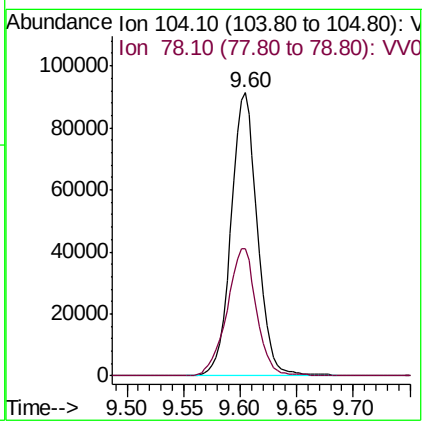


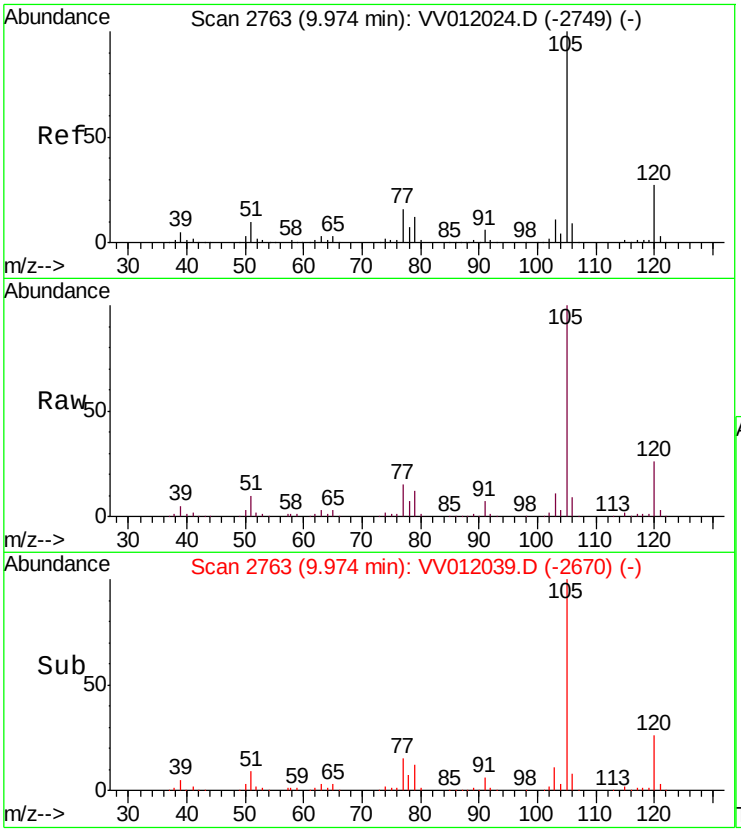




#55
Styrene
Concen: 5.643 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:104 Resp: 147827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 44.9 | 30.8 | 57.2 |



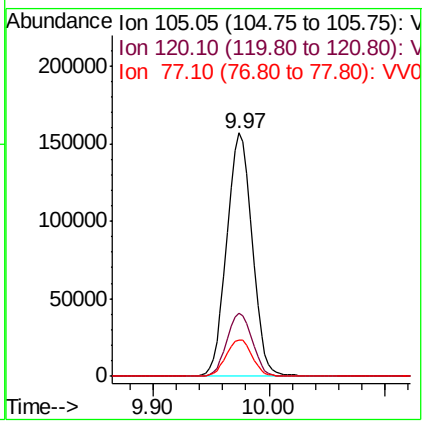


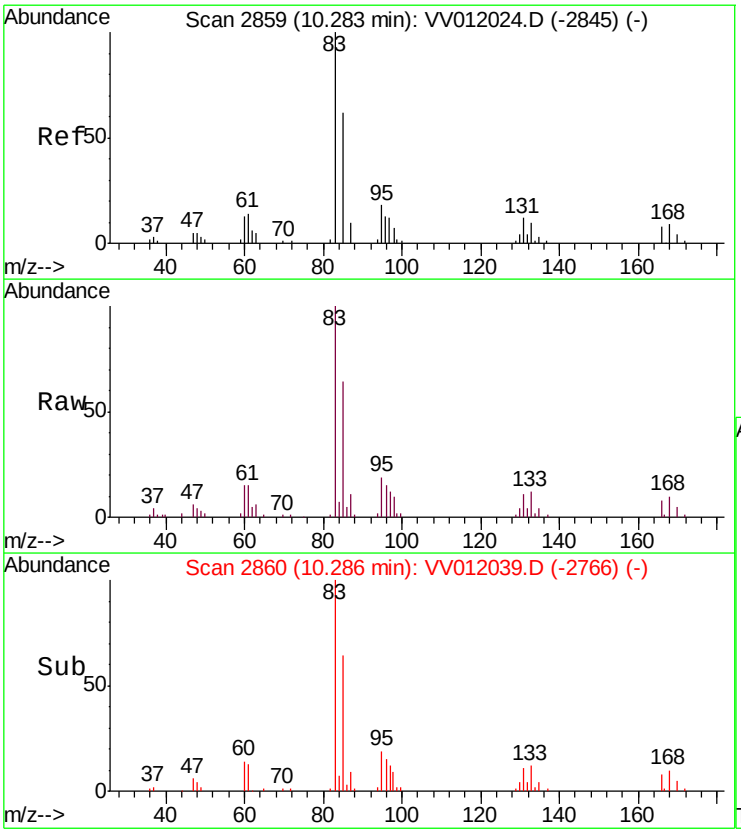

#56
Isopropylbenzene
Concen: 5.452 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion:105 Resp: 236674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 20.8 | 31.2 |
| 77 | 15.6 | 12.6 | 19.0 |

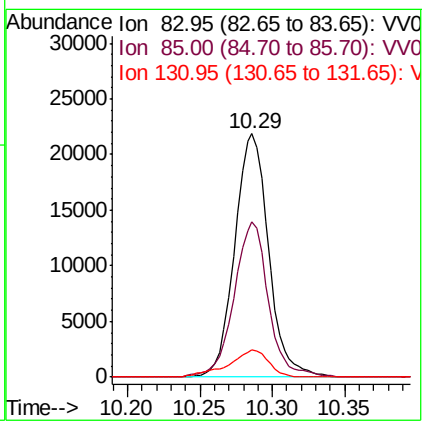


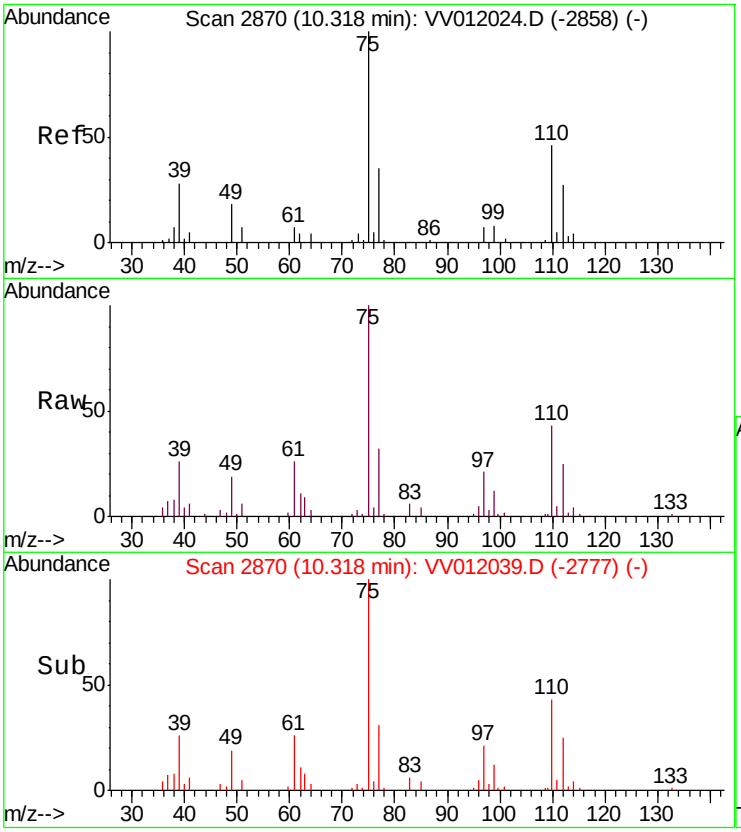




#58
1,1,2,2-Tetrachloroethane
Concen: 5.609 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 83 Resp: 35484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 46.3 | 85.9 |
| 131 | 11.1 | 8.9 | 13.3 |



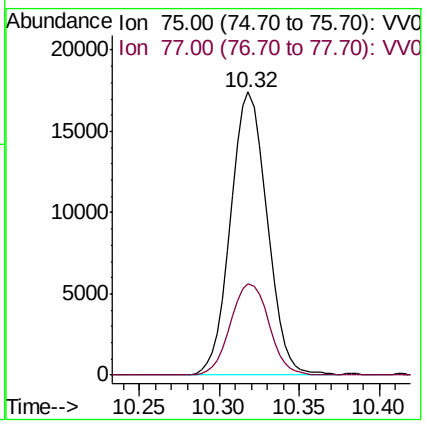


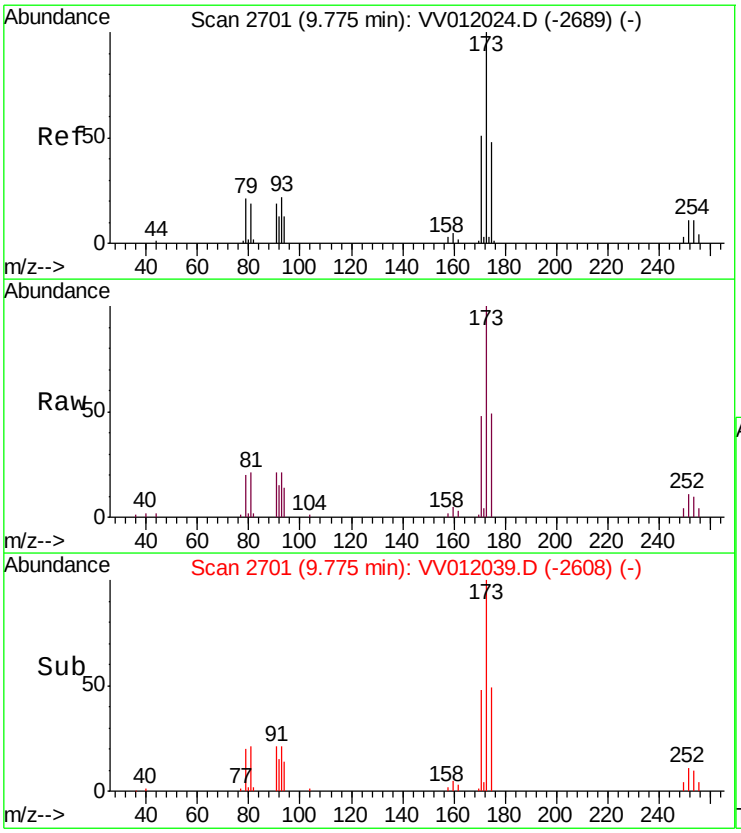

#59
1,2,3-Trichloropropane
Concen: 5.501 ug/L
RT: 10.32 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00550

Tgt Ion: 75 Resp: 27119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.8 | 26.2 | 39.2 |

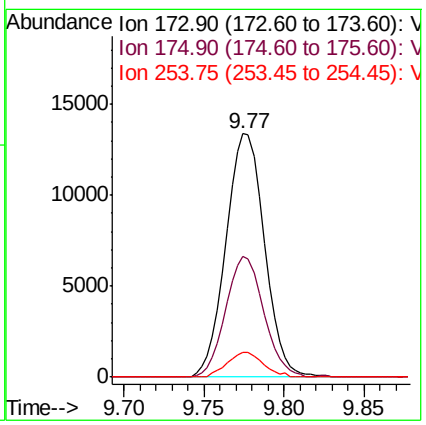


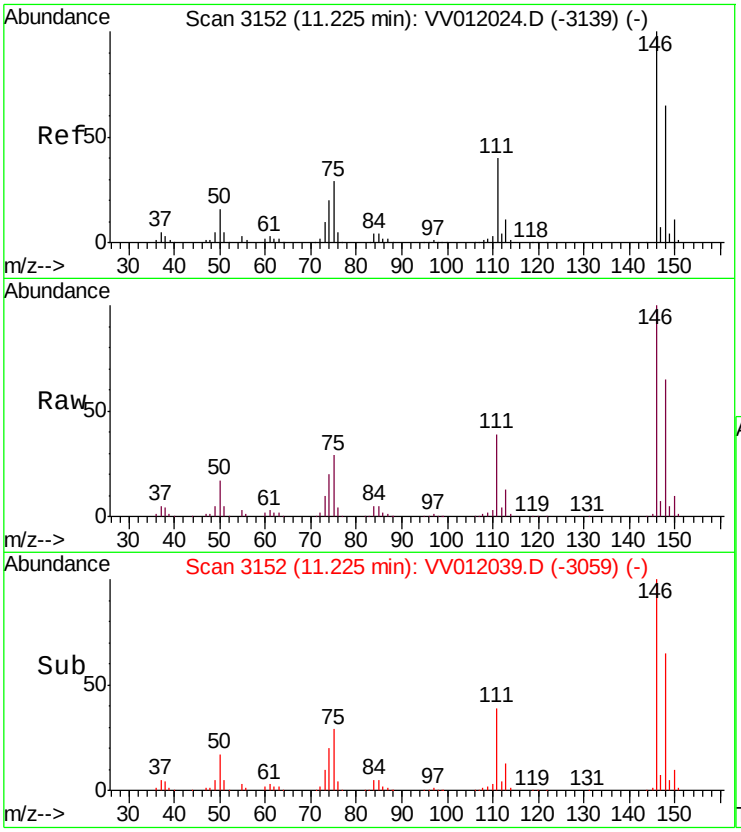




#61
Bromoform
Concen: 5.753 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:173 Resp: 21998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 39.6 | 59.4 |
| 254 | 9.4 | 7.9 | 11.9 |



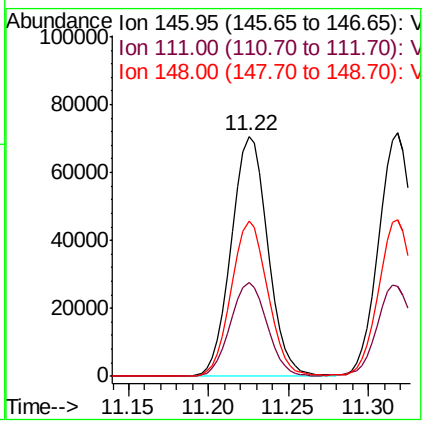


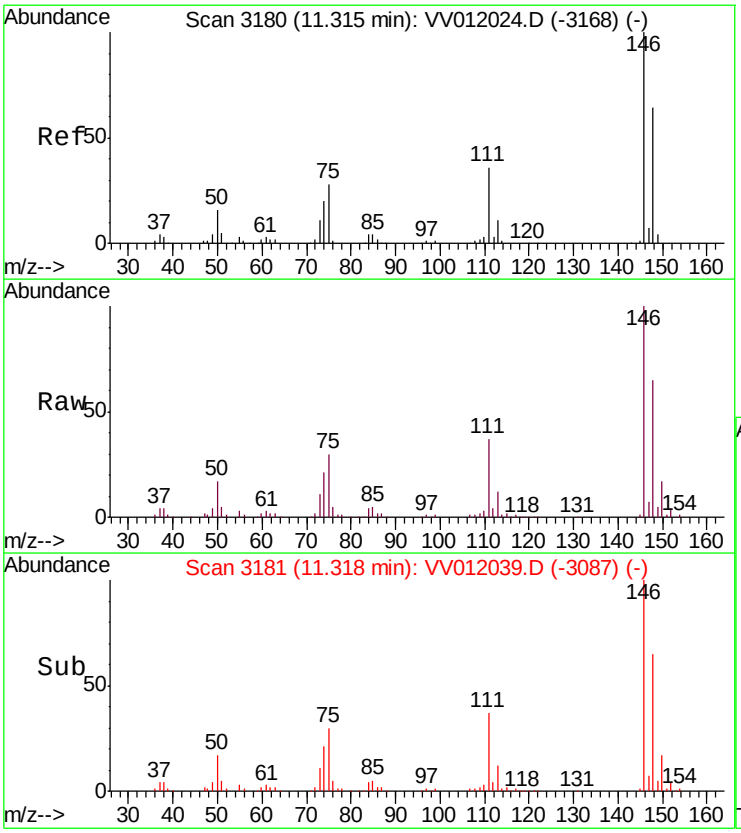

#62
1,3-Dichlorobenzene
Concen: 5.406 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion:146 Resp: 110137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.9 | 27.1 | 50.3 |
| 148 | 64.7 | 44.5 | 82.7 |

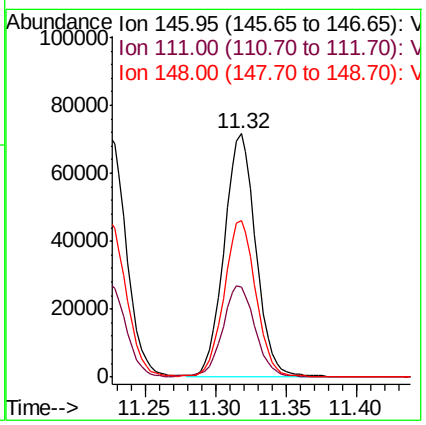


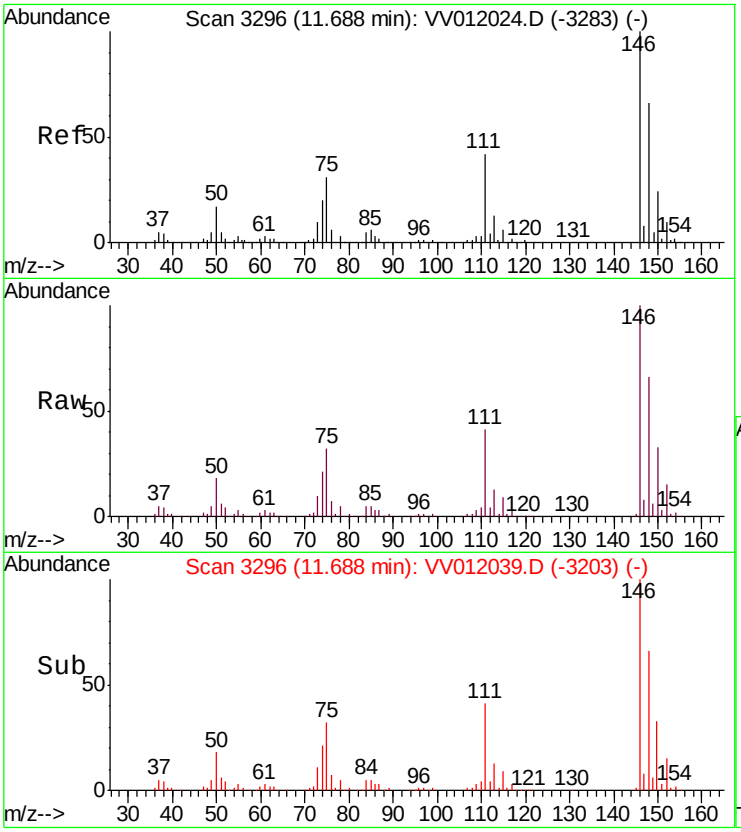




#63
1,4-Dichlorobenzene
Concen: 5.351 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:146 Resp: 112230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.9 | 26.0 | 48.2 |
| 148 | 64.5 | 43.0 | 80.0 |



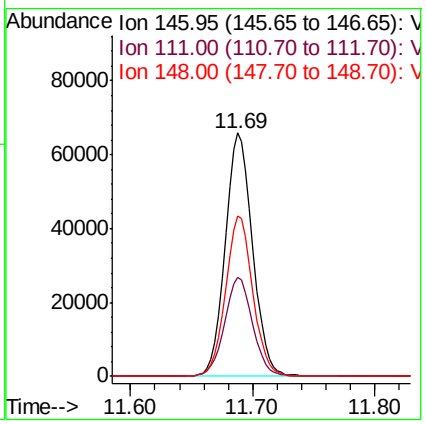


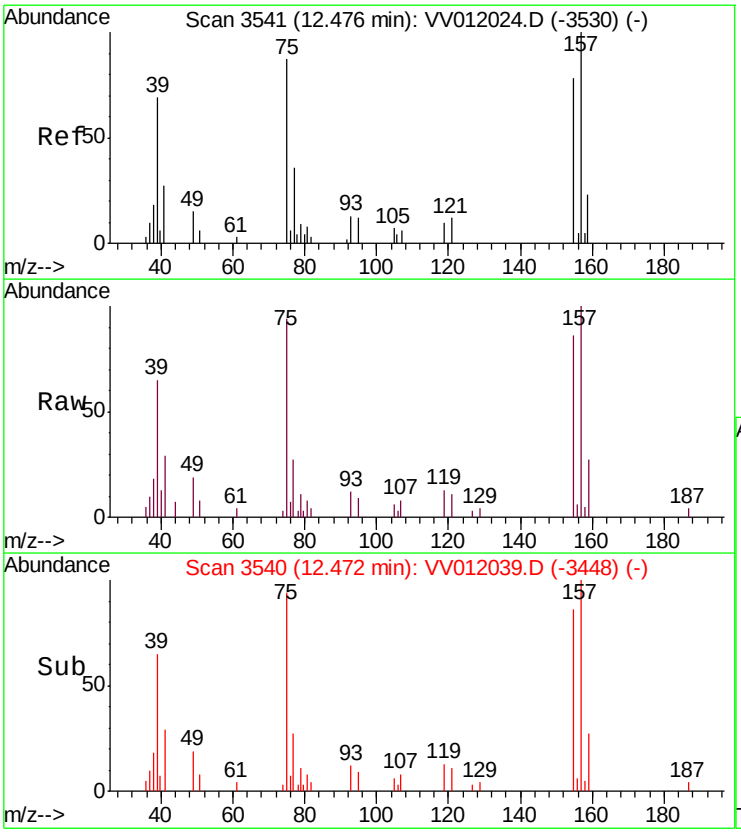

#65
1,2-Dichlorobenzene
Concen: 5.495 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion:146 Resp: 103075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 32.5 | 48.7 |
| 148 | 65.8 | 51.4 | 77.0 |

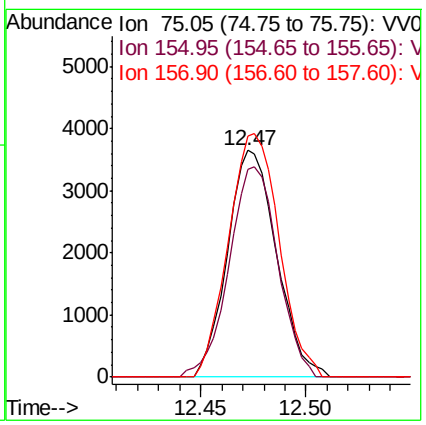


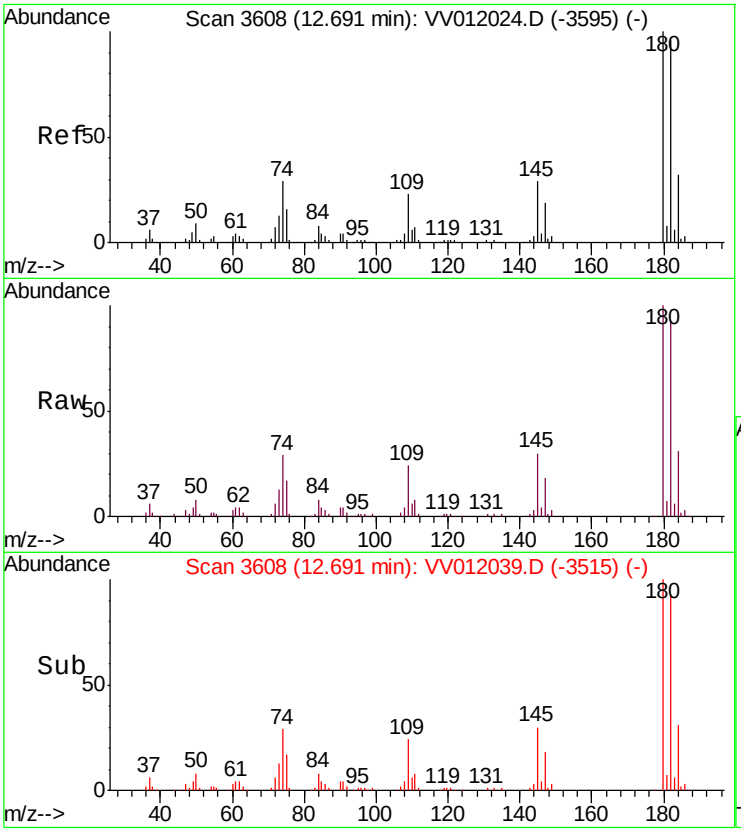




#66
1,2-Dibromo-3-chloropropane
Concen: 5.412 ug/L
RT: 12.47 min Scan# 3540
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 75 Resp: 5897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 91.7 | 69.5 | 104.3 |
| 157 | 106.5 | 96.2 | 144.2 |



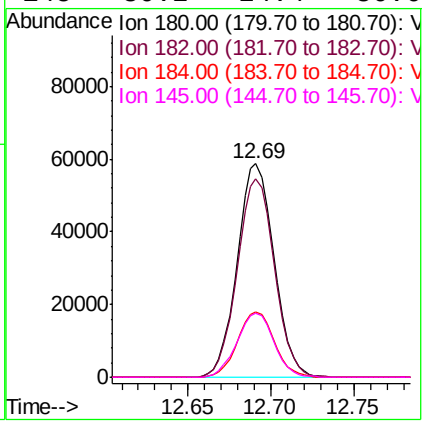


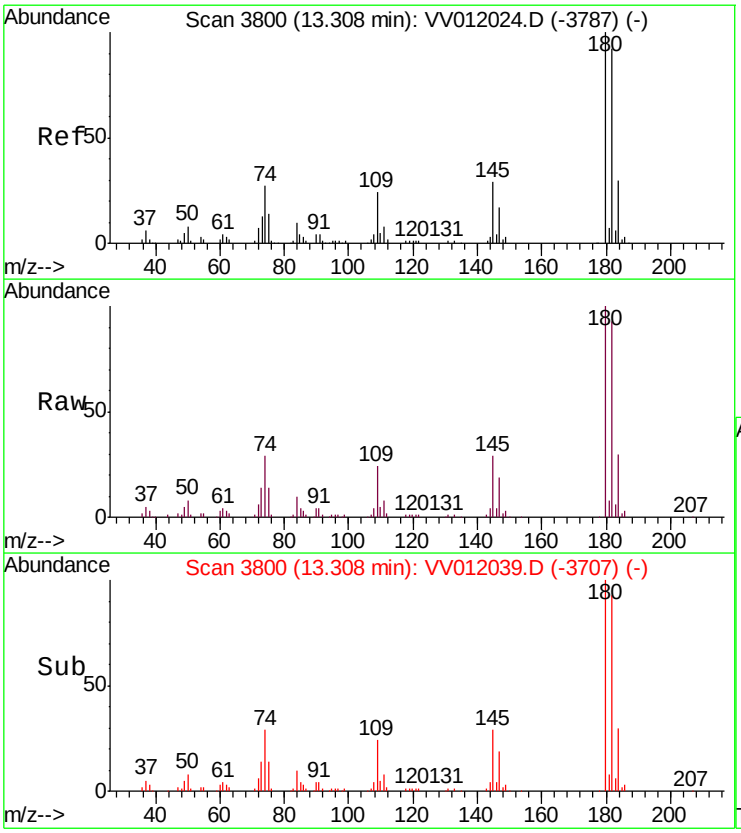

#67
1,3,5-Trichlorobenzene
Concen: 5.328 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion:180 Resp: 90782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 77.4 | 116.0 |
| 184 | 30.5 | 25.2 | 37.8 |
| 145 | 30.2 | 24.4 | 36.6 |

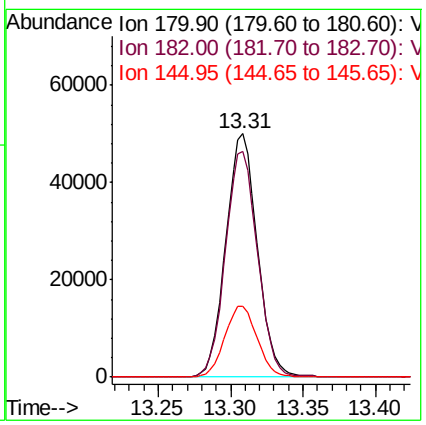


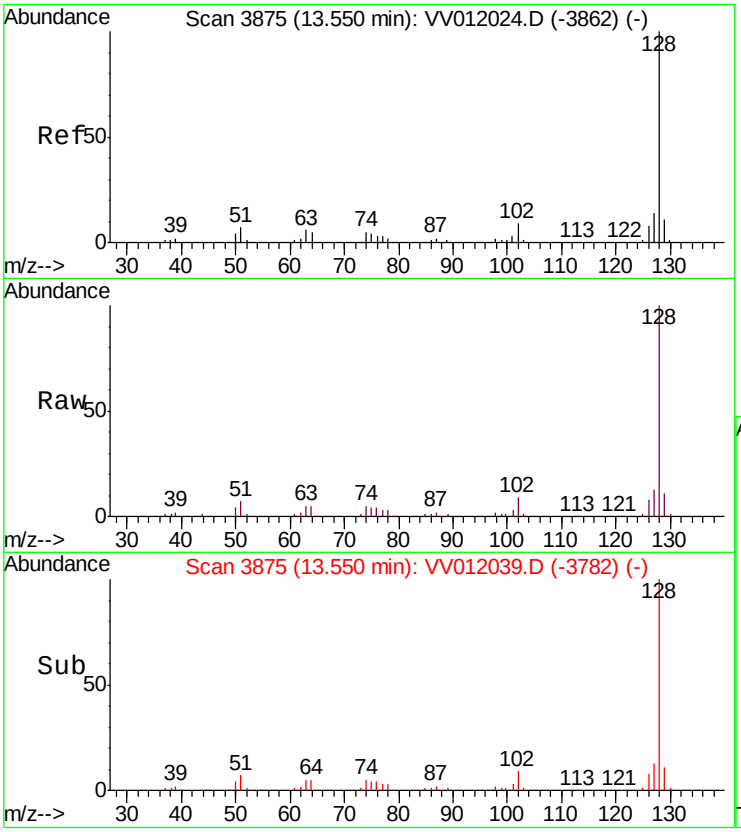




#68
1,2,4-trichlorobenzene
Concen: 5.432 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:180 Resp: 75163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 75.8 | 113.8 |
| 145 | 29.9 | 23.4 | 35.2 |



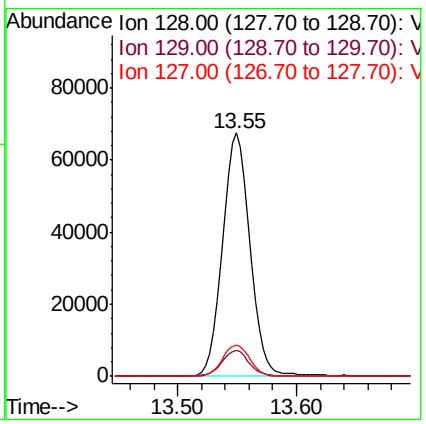


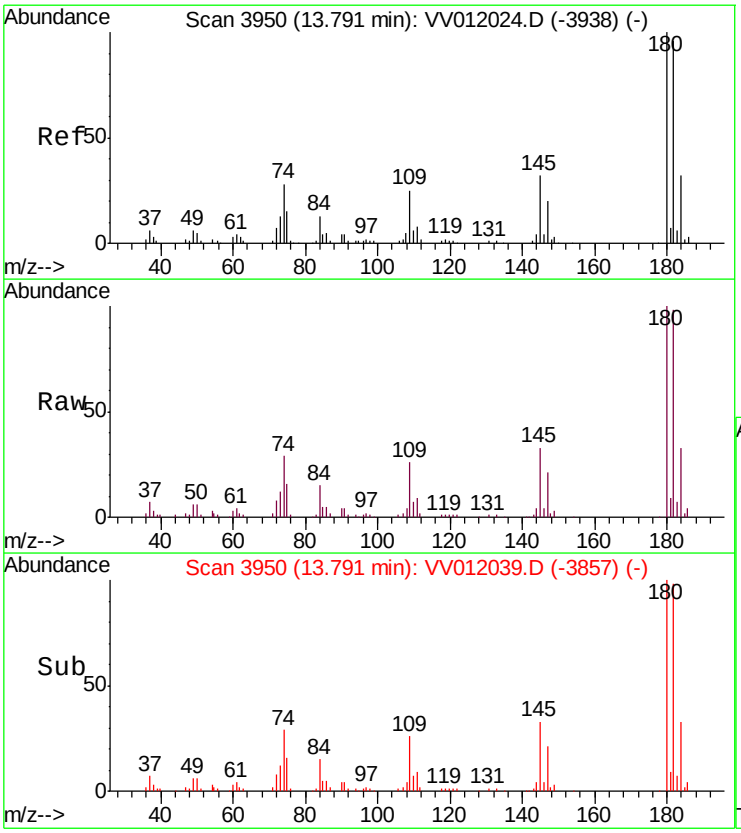

#69
Naphthalene
Concen: 5.181 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00550

Tgt Ion:128 Resp: 108116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 8.2 | 12.2 |
| 127 | 13.0 | 10.8 | 16.2 |




#70
1,2,3-Trichlorobenzene
Concen: 5.295 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:180 Resp: 66468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.6 | 75.5 | 113.3 |
| 145 | 33.5 | 24.7 | 37.1 |