Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090419\

Quantitation Report (Not Reviewed)

Data File : VV012578.D
Acq On : 04 Sep 2019 20:10
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Quant Time: Sep 05 01:33:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 150332 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 151181 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 72168 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 54429 | 3.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 74.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 58810 | 4.07 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 81.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 160761 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 90.20% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 157210 | 56.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 113.02% | | | |
| 24) Chloroform-d | 4.40 | 84 | 101957 | 4.54 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 90.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 55864 | 4.80 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.00% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 178766 | 4.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 59056 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 88.20% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 166437 | 4.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 20667 | 4.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.60% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 105280 | 57.50 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 115.00% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 46821 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 55399 | 4.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 83.60% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.14 | 85 | 89267 | 4.637 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 117037 | 5.134 | ug/L | 96 |
| 5) Vinyl chloride | 1.32 | 62 | 125914 | 5.091 | ug/L | 99 |
| 6) Bromomethane | 1.54 | 94 | 72844 | 4.953 | ug/L | 100 |
| 8) Chloroethane | 1.60 | 64 | 84730 | 4.997 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 198049 | 5.223 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 108982 | 5.151 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 103345 | 5.314 | ug/L | 95 |
| 13) Acetone | 2.23 | 43 | 221513 | 56.107 | ug/L | 99 |
| 14) Carbon disulfide | 2.32 | 76 | 299182 | 4.785 | ug/L | 99 |
| 15) Methyl Acetate | 2.47 | 43 | 61449 | 6.422 | ug/L | 99 |
| 16) Methylene chloride | 2.53 | 84 | 120695 | 5.394 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 167433 | 5.069 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 72646 | 4.672 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 144901 | 4.842 | ug/L | 100 |
| 21) 2-Butanone | 4.05 | 43 | 217856 | 57.672 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 72964 | 4.541 | ug/L | 96 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090419\

Quantitation Report (Not Reviewed)

Data File : VV012578.D
Acq On : 04 Sep 2019 20:10
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Quant Time: Sep 05 01:33:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 32025 | 4.990 | ug/L | | 97 |
| 25) Chloroform | 4.43 | 83 | 148778 | 4.744 | ug/L | | 98 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 97631 | 5.347 | ug/L | | 99 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 116421 | 4.647 | ug/L | | 99 |
| 30) Cyclohexane | 4.72 | 56 | 115672 | 4.475 | ug/L | | 99 |
| 31) Carbon tetrachloride | 4.87 | 117 | 101384 | 4.655 | ug/L | | 99 |
| 33) Benzene | 5.14 | 78 | 307293 | 4.950 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 76968 | 4.475 | ug/L | | 98 |
| 35) Methylcyclohexane | 6.18 | 83 | 113616 | 4.346 | ug/L | | 97 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 78657 | 4.736 | ug/L | | 100 |
| 38) Bromodichloromethane | 6.55 | 83 | 103428 | 4.925 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 99062 | 4.586 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 561465 | 58.181 | ug/L | | 100 |
| 42) Toluene | 7.43 | 91 | 329314 | 4.881 | ug/L | | 98 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 81864 | 4.782 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 55139 | 5.250 | ug/L | | 93 |
| 47) Tetrachloroethene | 8.02 | 164 | 55636 | 4.477 | ug/L | | 94 |
| 48) 2-Hexanone | 8.19 | 43 | 409422 | 60.538 | ug/L | | 97 |
| 49) Dibromochloromethane | 8.29 | 129 | 61389 | 5.021 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 47082 | 5.024 | ug/L | | 97 |
| 51) Chlorobenzene | 8.92 | 112 | 194190 | 4.581 | ug/L | | 98 |
| 52) Ethylbenzene | 9.05 | 91 | 341286 | 4.637 | ug/L | | 97 |
| 53) m,p-xylene | 9.18 | 106 | 126894 | 4.753 | ug/L | | 100 |
| 54) o-xylene | 9.59 | 106 | 119822 | 4.757 | ug/L | | 97 |
| 55) Styrene | 9.60 | 104 | 213306 | 4.977 | ug/L | | 99 |
| 56) Isopropylbenzene | 9.97 | 105 | 319967 | 4.590 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 62372 | 5.278 | ug/L | | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 47882 | 5.172 | ug/L | | 96 |
| 61) Bromoform | 9.77 | 173 | 28598 | 4.876 | ug/L | | 97 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 144240 | 4.629 | ug/L | | 97 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 143448 | 4.473 | ug/L | | 100 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 134940 | 4.726 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 9410 | 4.889 | ug/L | # | 90 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 95902 | 4.165 | ug/L | | 99 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 69995 | 4.220 | ug/L | | 99 |
| 69) Naphthalene | 13.55 | 128 | 110671 | 4.500 | ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 70520 | 4.697 | ug/L | | 96 |

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

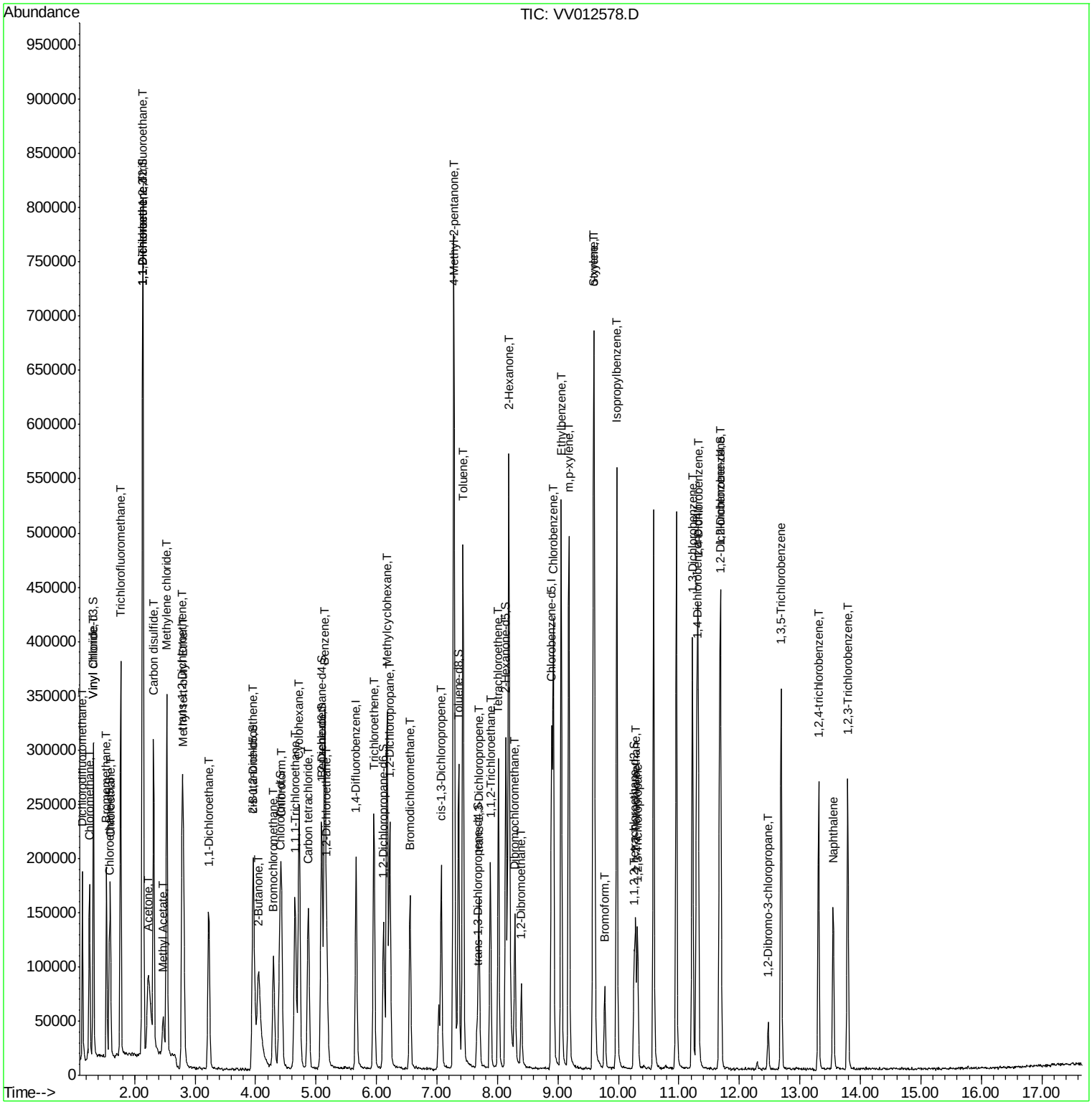
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090419\

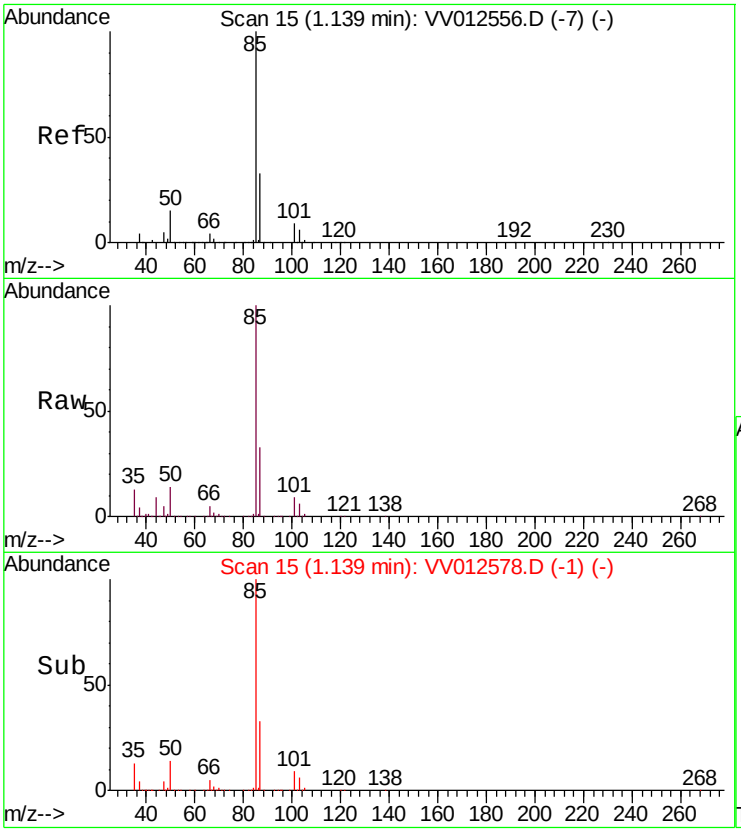
Quantitation Report (Not Reviewed)

Data File : VV012578.D
Acq On : 04 Sep 2019 20:10
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Quant Time: Sep 05 01:33:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration



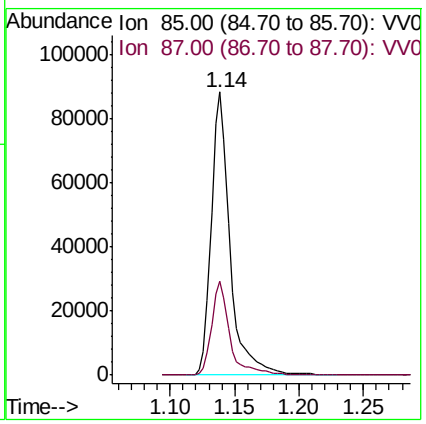


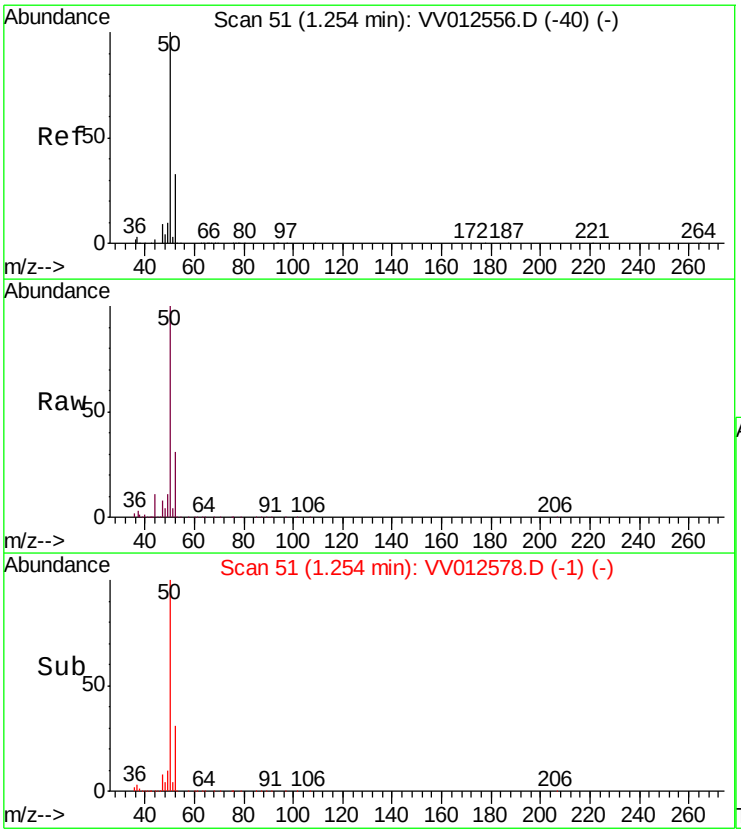

#2
Dichlorodifluoromethane
Concen: 4.637 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion: 85 Resp: 89267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 26.4 | 39.6 |

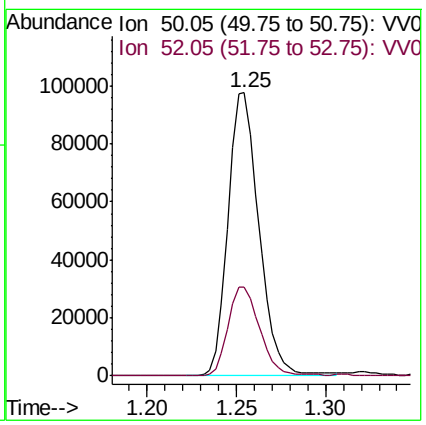


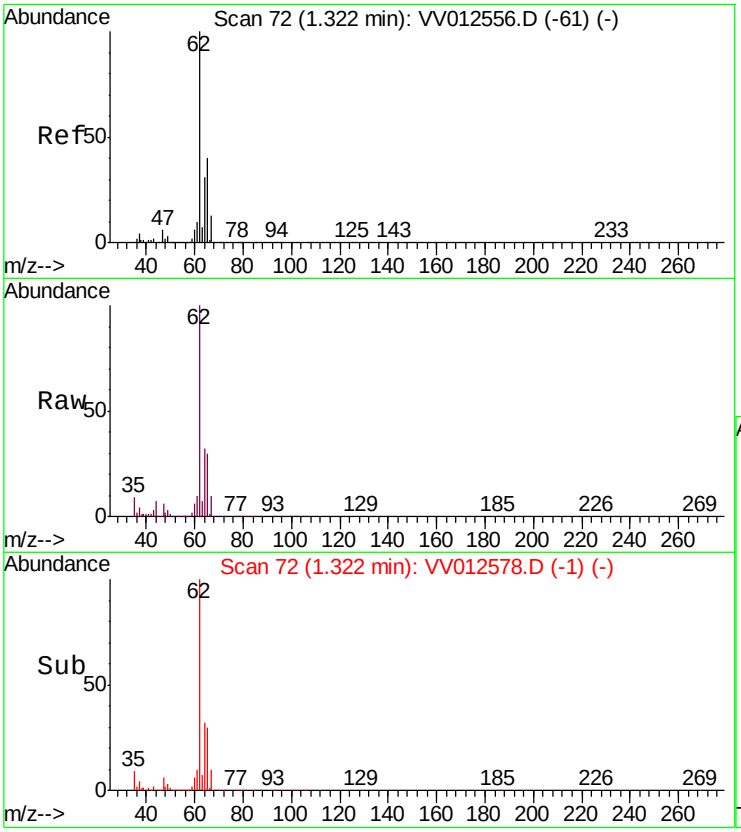




#3
Chloromethane
Concen: 5.134 ug/L
RT: 1.25 min Scan# 51
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 50 Resp: 117037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.5 | 23.5 | 43.7 |



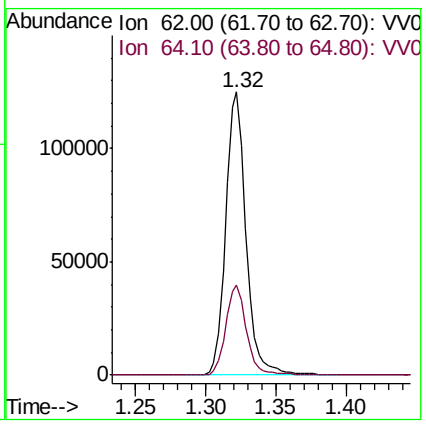


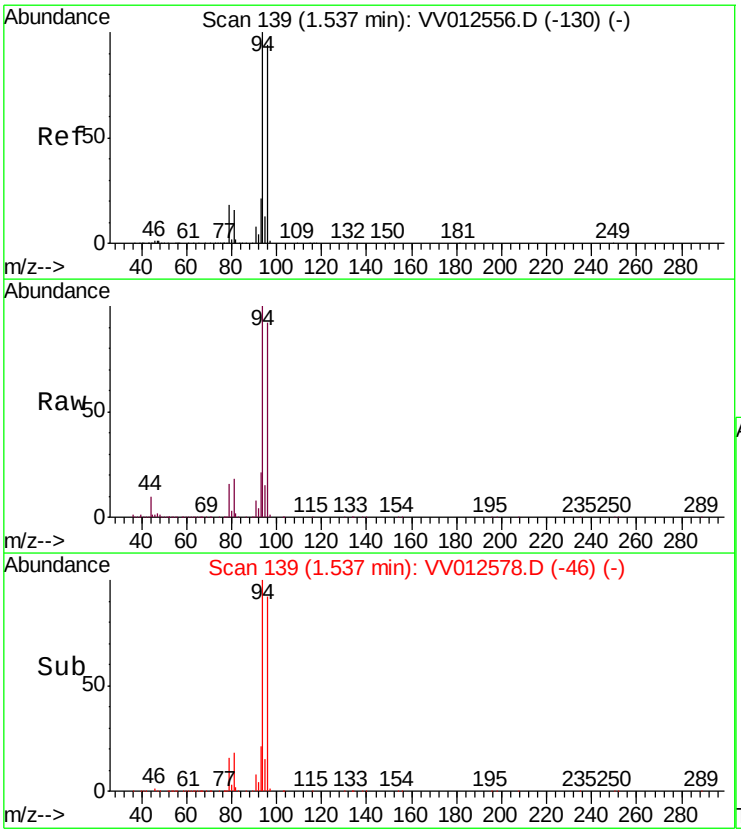

#5
Vinyl chloride
Concen: 5.091 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 62 Resp: 125914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 22.7 | 42.1 |

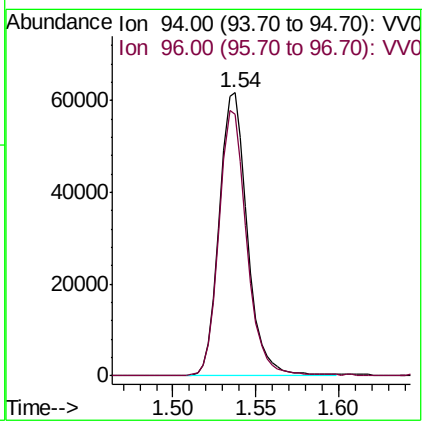


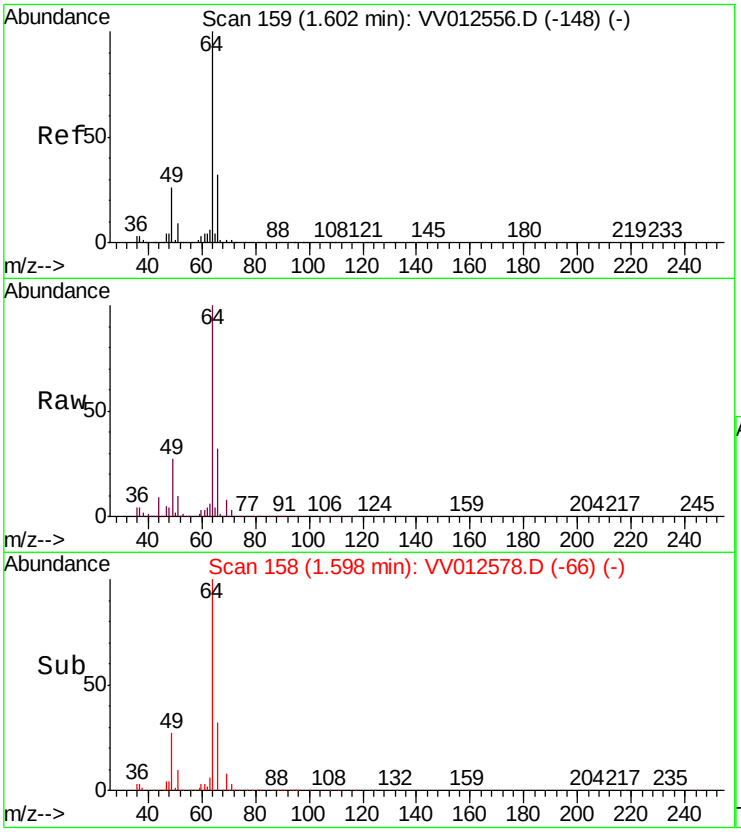




#6
Bromomethane
Concen: 4.953 ug/L
RT: 1.54 min Scan# 139
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 94 Resp: 72844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.3 | 64.3 | 119.3 |



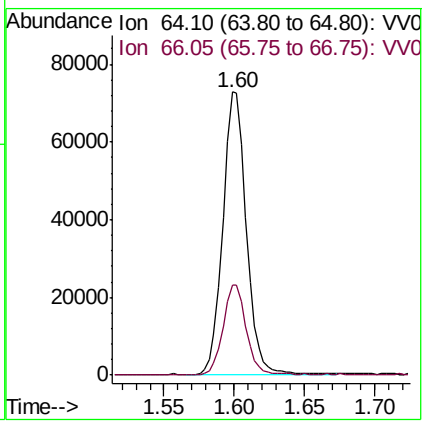


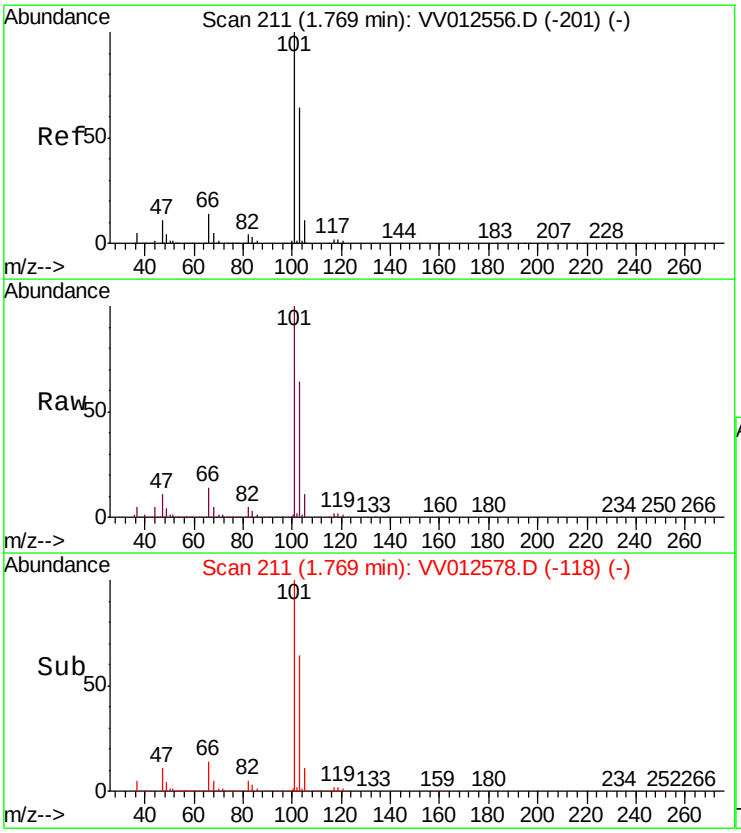

#8
Chloroethane
Concen: 4.997 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 64 Resp: 84730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 23.1 | 42.9 |

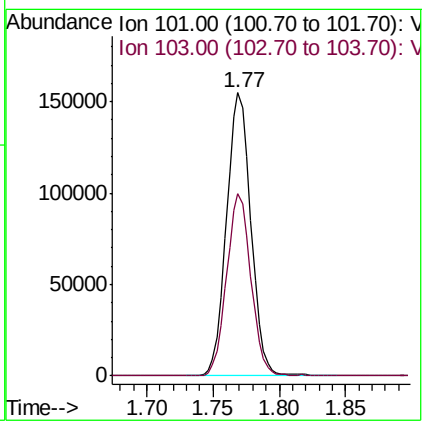


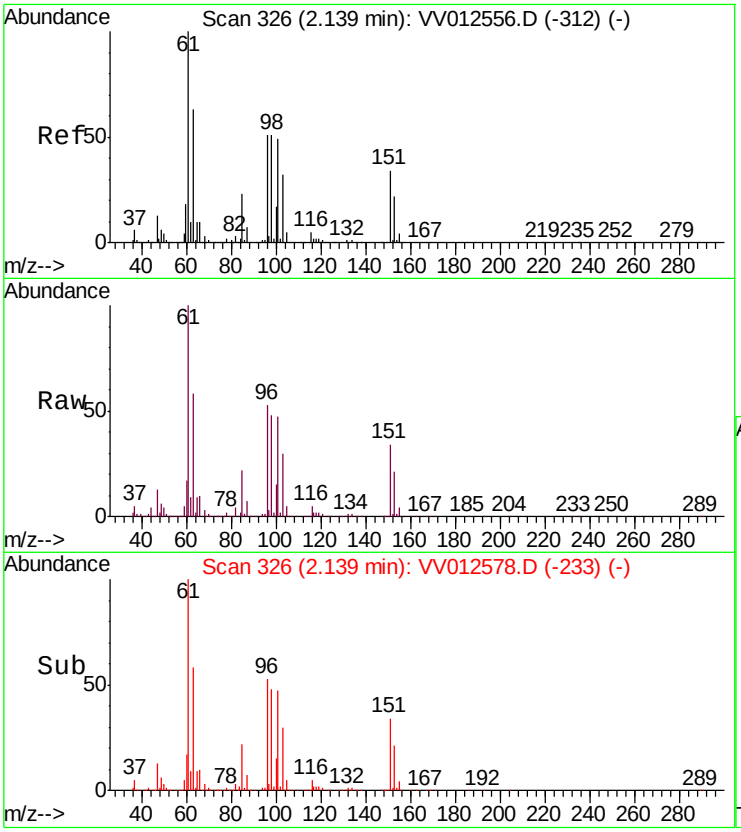




#9
Trichlorofluoromethane
Concen: 5.223 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:101 Resp: 198049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 51.2 | 76.8 |



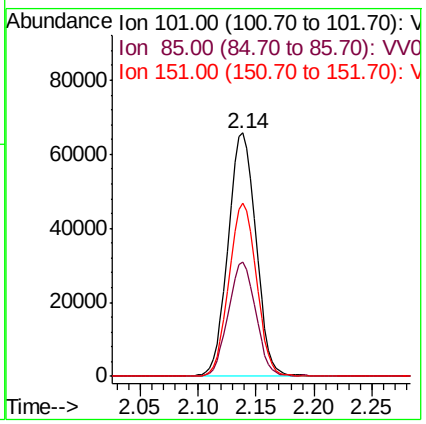


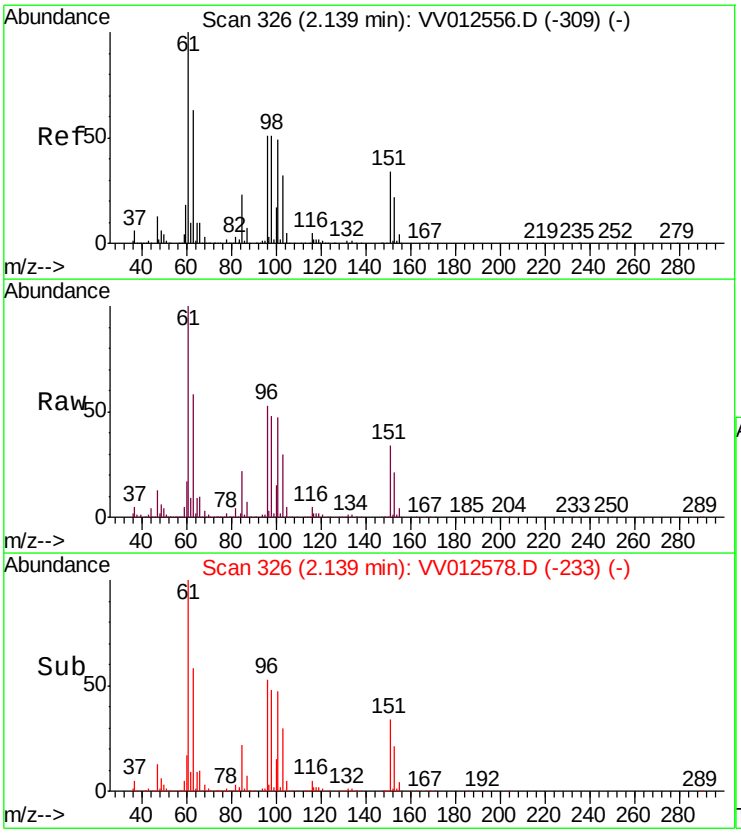

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.151 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion:101 Resp: 108982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 37.4 | 56.0 |
| 151 | 70.3 | 56.7 | 85.1 |

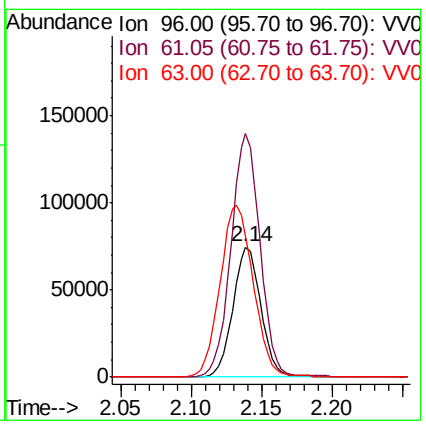


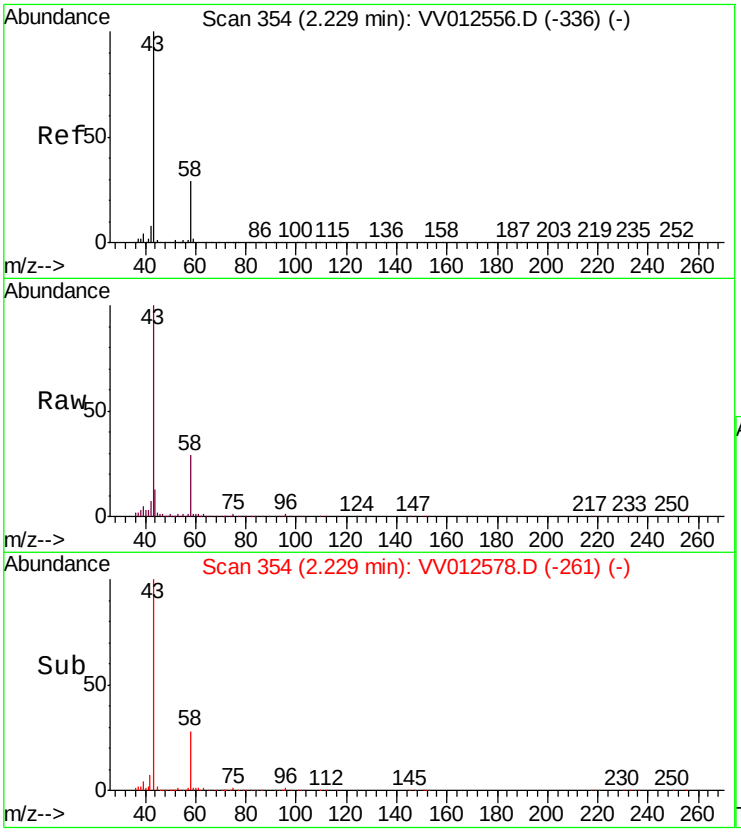




#12
1,1-Dichloroethene
Concen: 5.314 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 96 Resp: 103345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 187.1 | 133.7 | 248.3 |
| 63 | 108.4 | 83.2 | 154.6 |



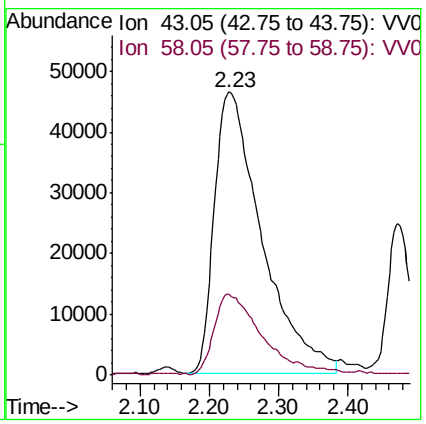


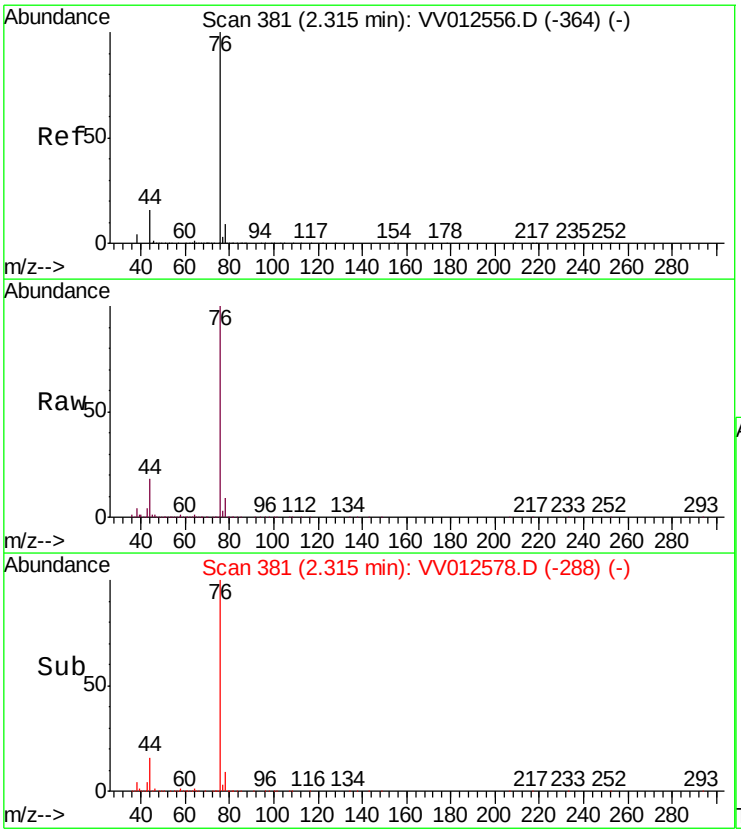

#13
Acetone
Concen: 56.107 ug/L
RT: 2.23 min Scan# 354
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 43 Resp: 221513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 0.0 | 58.2 |

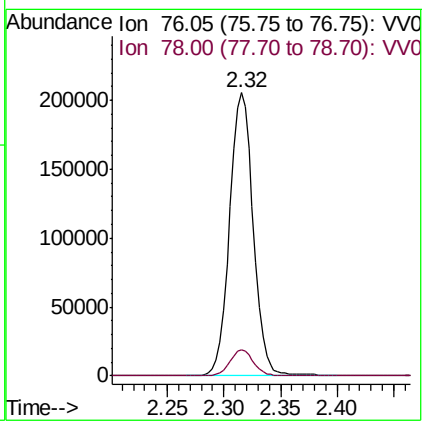


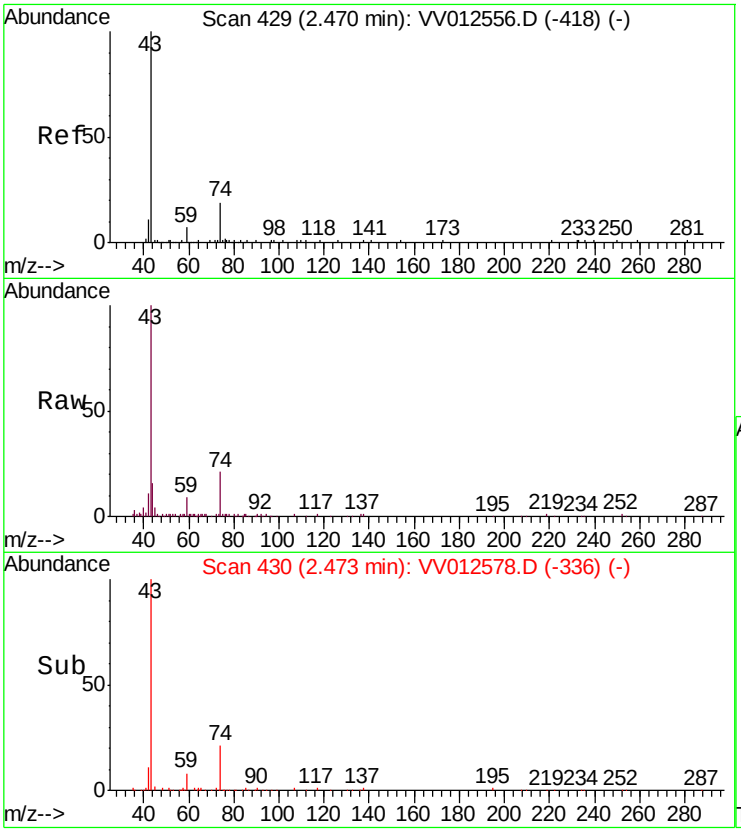




#14
Carbon disulfide
Concen: 4.785 ug/L
RT: 2.32 min Scan# 381
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 76 Resp: 299182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |



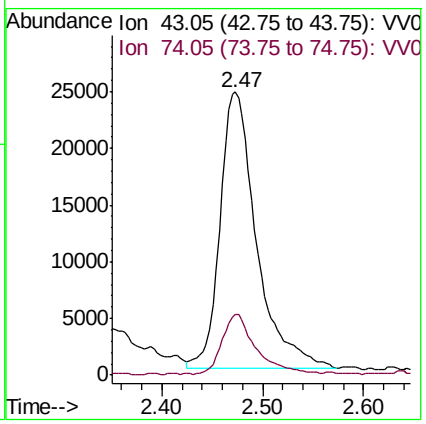


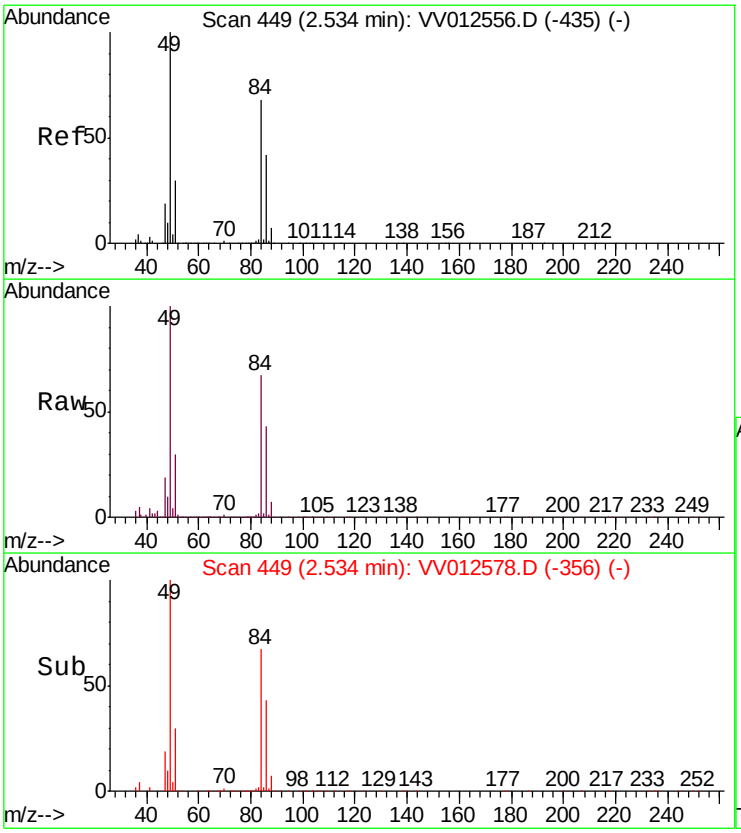

#15
Methyl Acetate
Concen: 6.422 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 43 Resp: 61449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.3 | 17.3 | 25.9 |

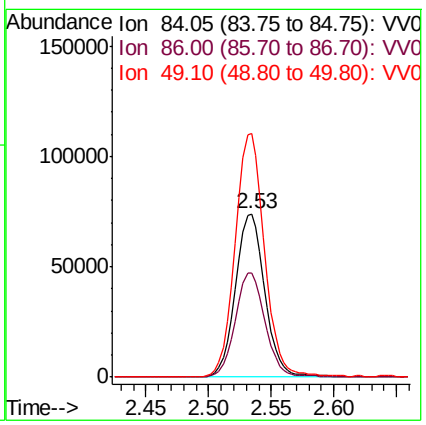


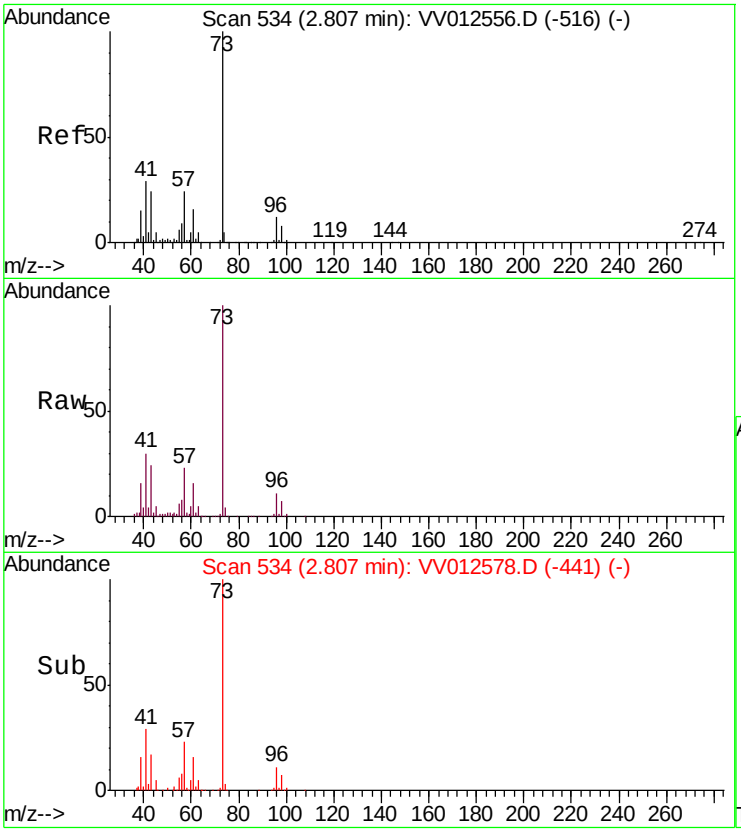




#16
Methylene chloride
Concen: 5.394 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 84 Resp: 120695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.9 | 45.2 | 84.0 |
| 49 | 148.8 | 100.4 | 186.4 |



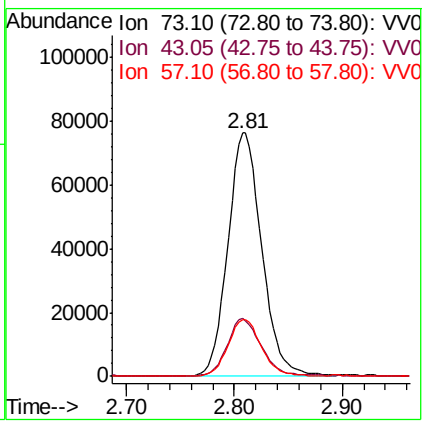


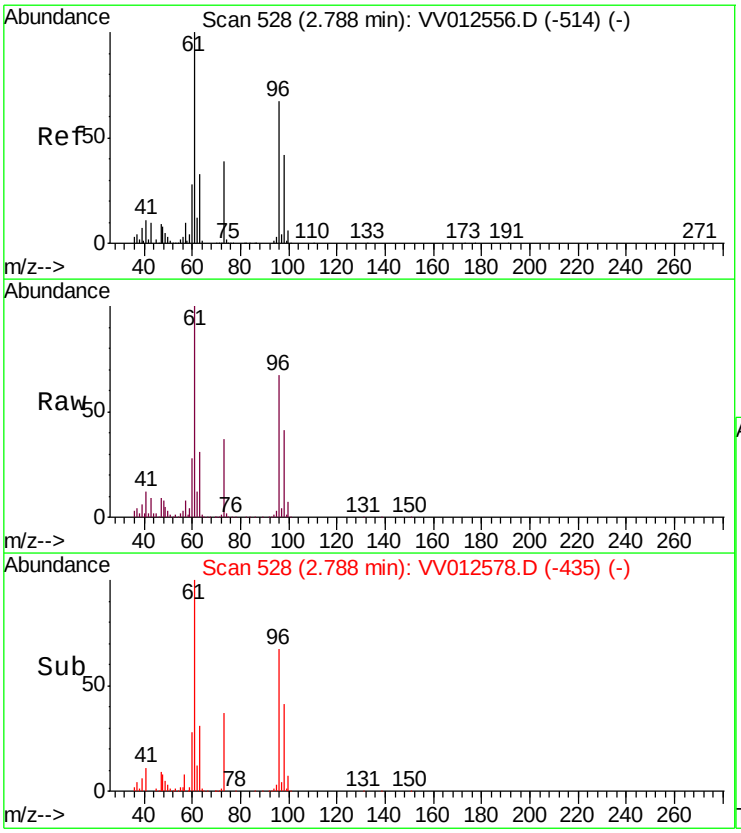

#17
Methyl tert-butyl Ether
Concen: 5.069 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion: 73 Resp: 167433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 23.2 | 18.9 | 28.3 |
| 57 | 22.9 | 18.3 | 27.5 |

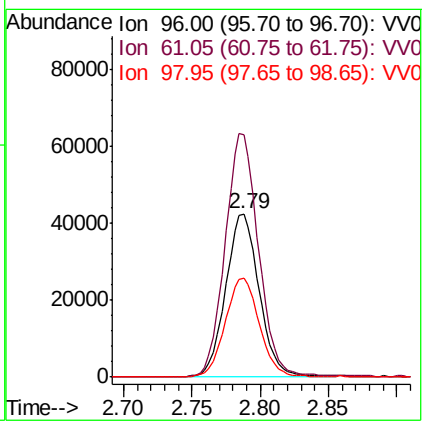


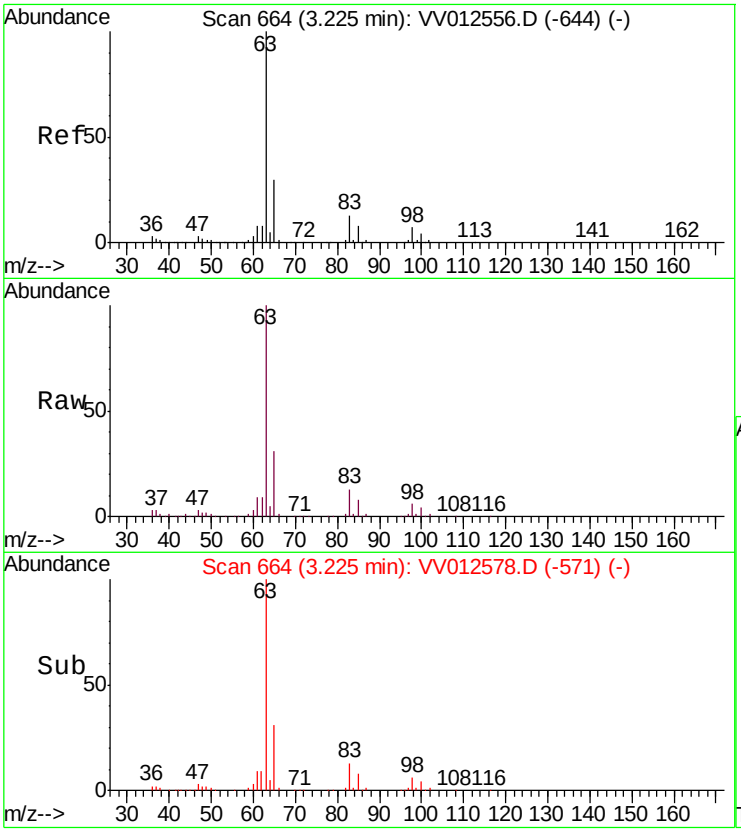




#18
trans-1,2-Dichloroethene
Concen: 4.672 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 96 Resp: 72646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.8 | 107.6 | 199.8 |
| 98 | 61.1 | 44.4 | 82.4 |



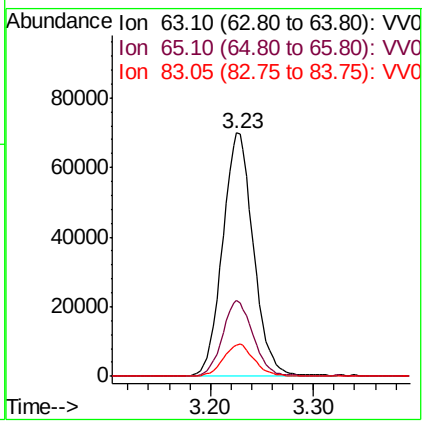


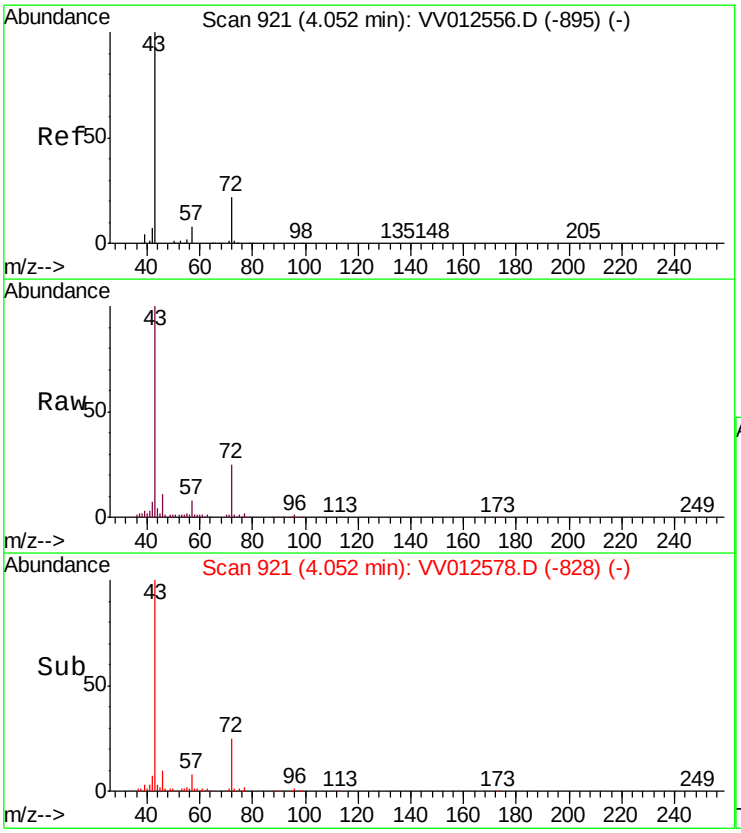

#19
1,1-Dichloroethane
Concen: 4.842 ug/L
RT: 3.23 min Scan# 664
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion: 63 Resp: 144901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 21.5 | 39.9 |
| 83 | 13.0 | 9.1 | 16.9 |

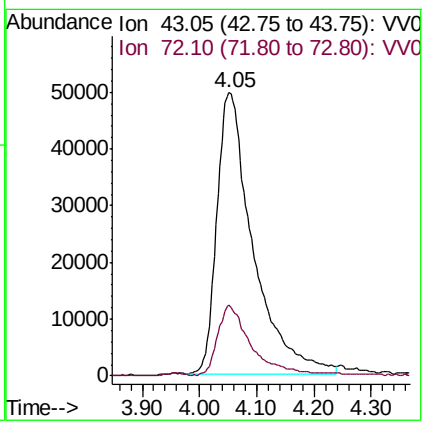


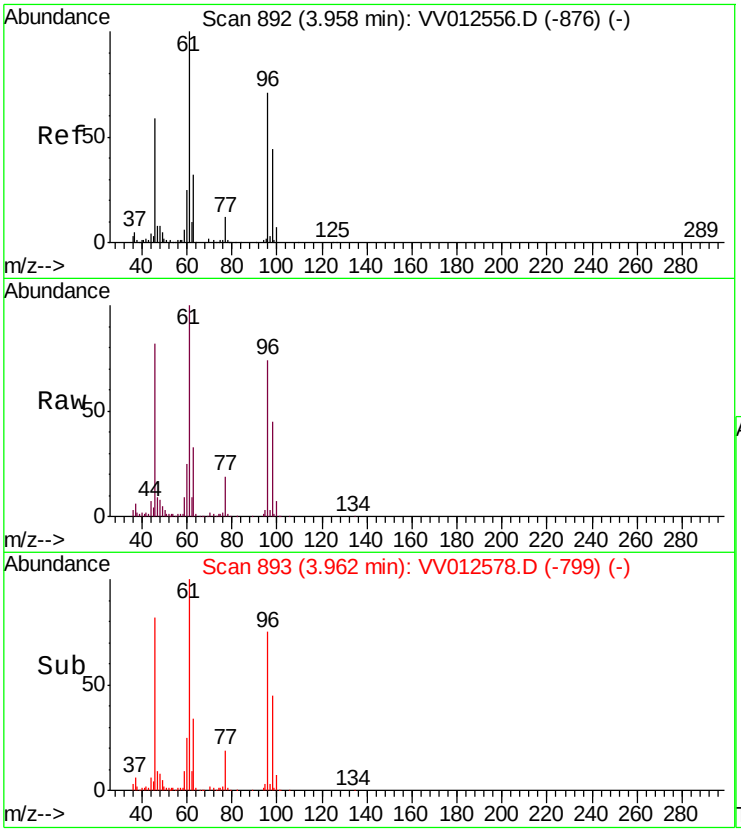




#21
2-Butanone
Concen: 57.672 ug/L
RT: 4.05 min Scan# 921
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 43 Resp: 217856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.8 | 11.4 | 34.1 |



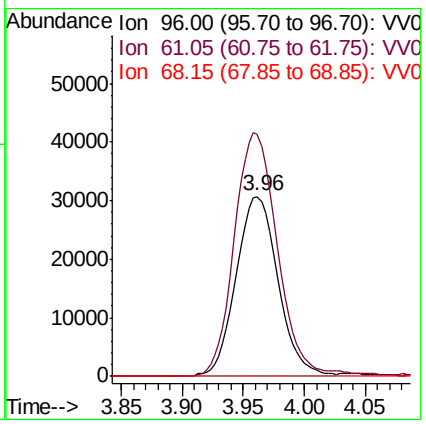


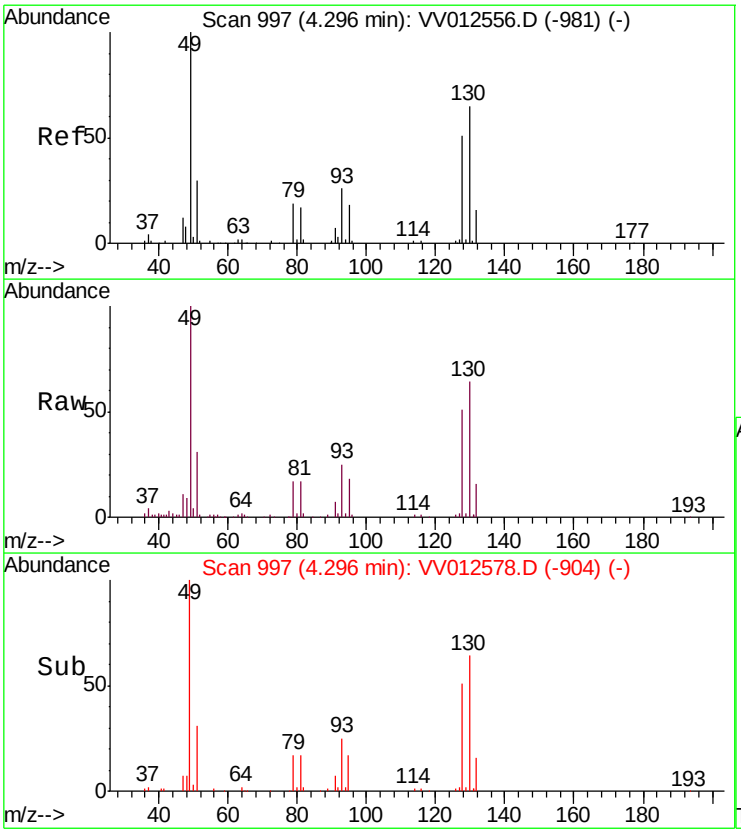

#22
cis-1,2-Dichloroethene
Concen: 4.541 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 96 Resp: 72964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.5 | 97.5 | 181.1 |
| 68 | 0.0 | 0.0 | 0.0 |

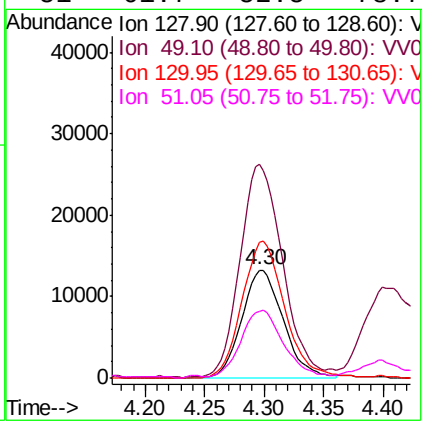


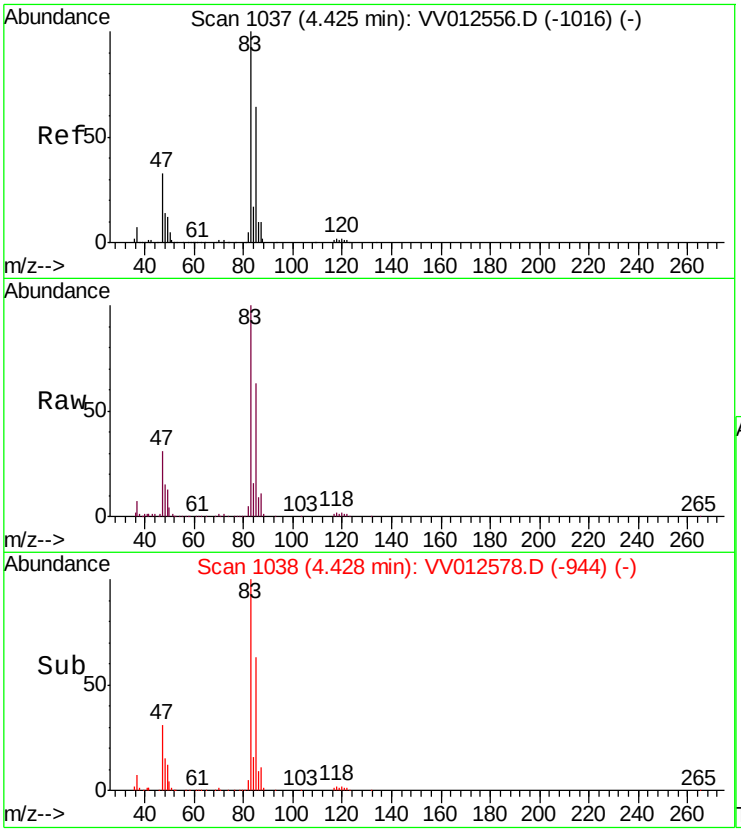




#23
Bromochloromethane
Concen: 4.990 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:128 Resp: 32025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 197.5 | 136.5 | 253.5 |
| 130 | 125.4 | 92.1 | 171.1 |
| 51 | 61.7 | 52.5 | 78.7 |



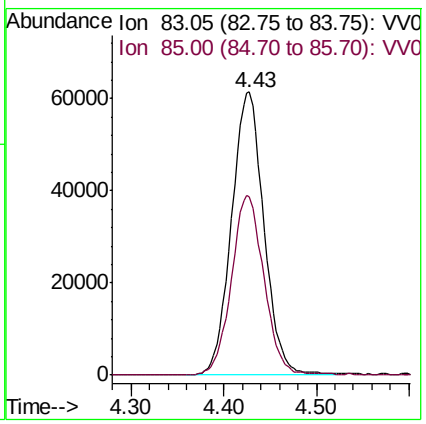


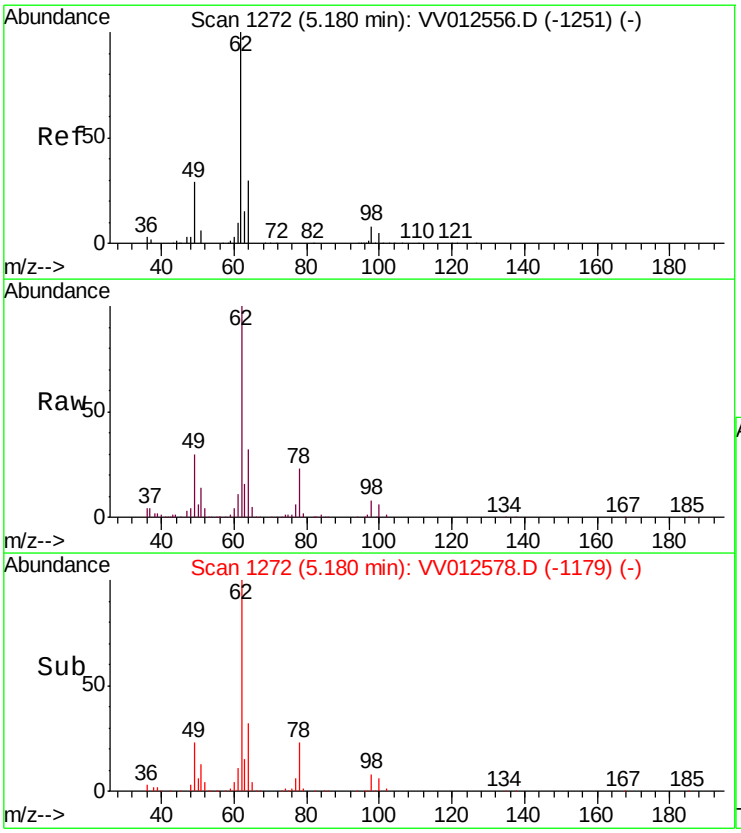

#25
Chloroform
Concen: 4.744 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion: 83 Resp: 148778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.9 | 45.1 | 83.9 |

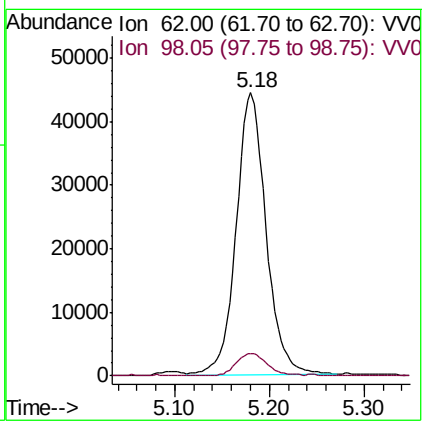


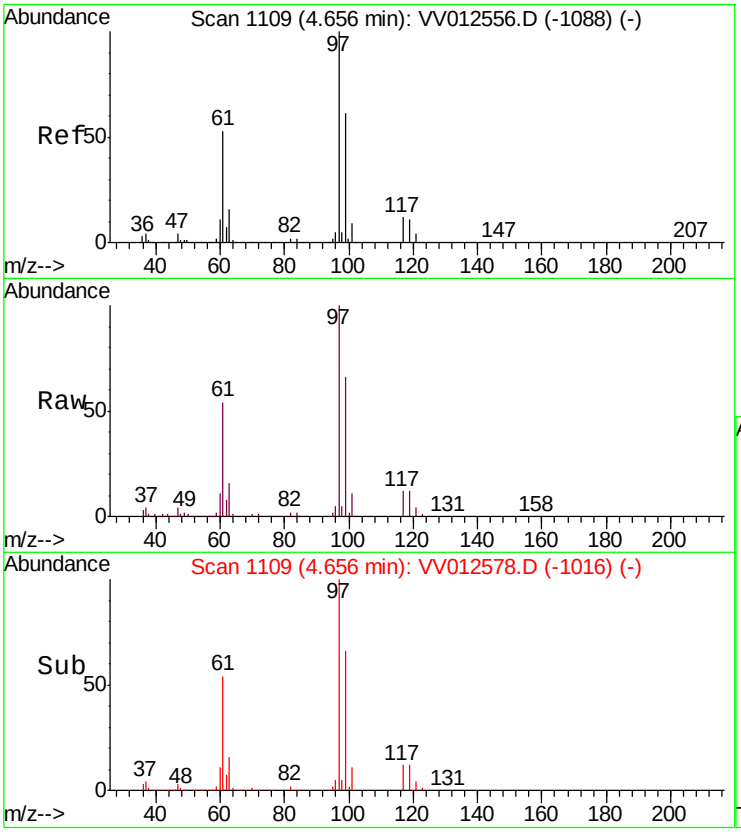




#27
1,2-Dichloroethane
Concen: 5.347 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 62 Resp: 97631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.1 | 6.7 | 10.1 |



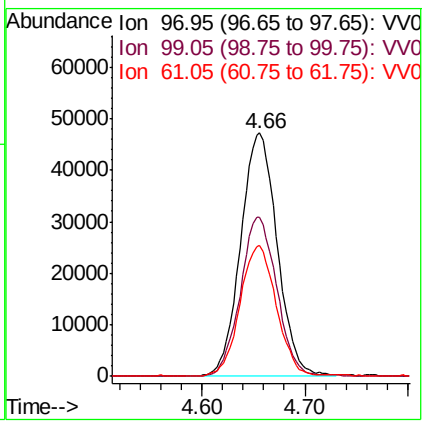


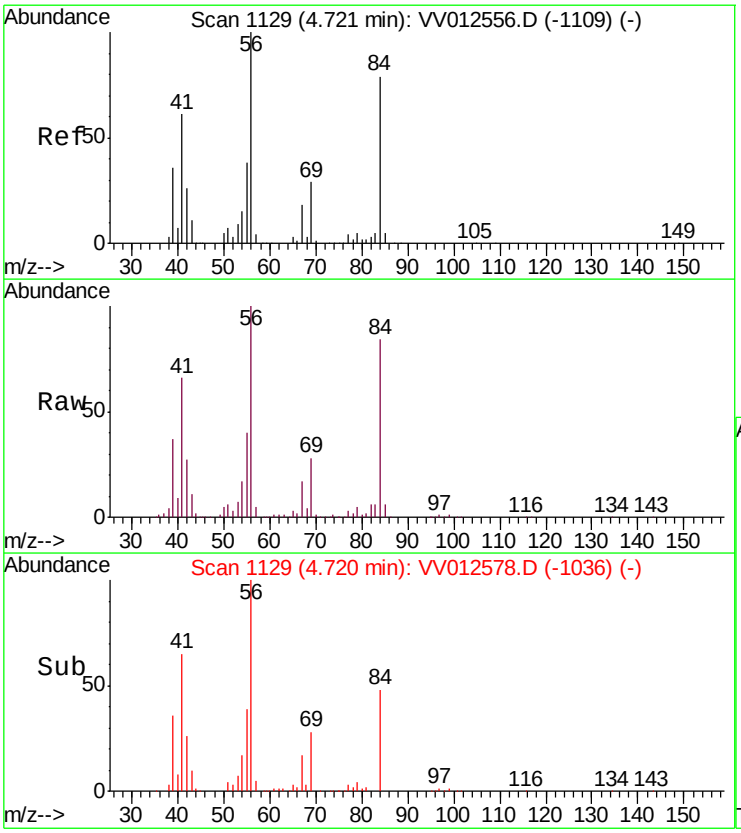

#29
1,1,1-Trichloroethane
Concen: 4.647 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion: 97 Resp: 116421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.9 | 52.6 | 79.0 |
| 61 | 53.5 | 43.4 | 65.2 |

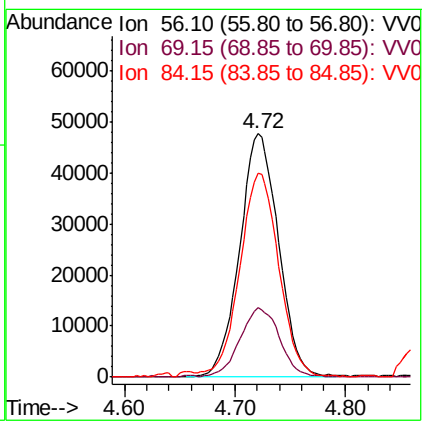


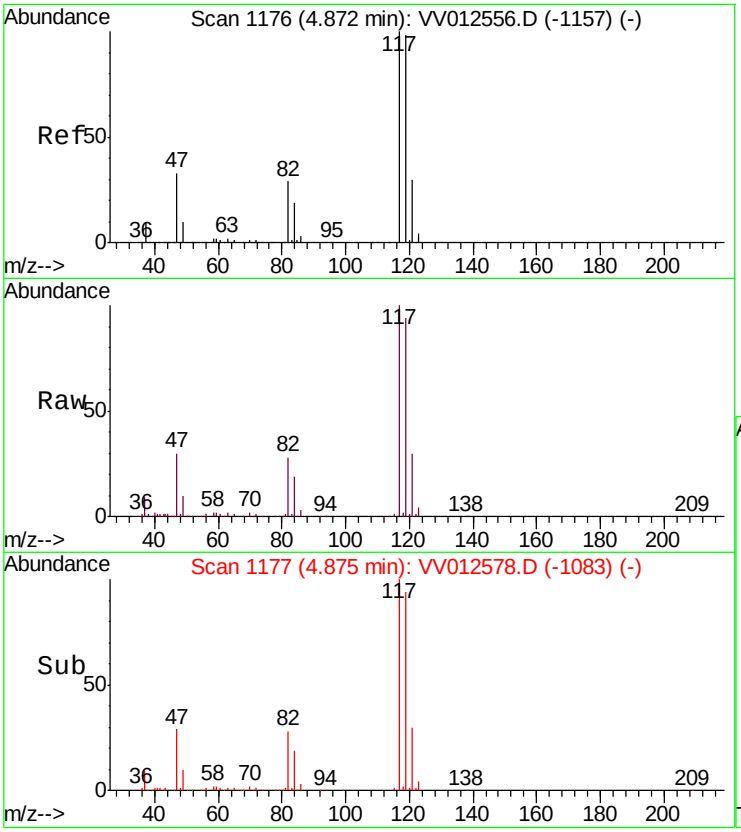




#30
Cyclohexane
Concen: 4.475 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 56 Resp: 115672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.3 | 23.5 | 35.3 |
| 84 | 84.8 | 67.1 | 100.7 |



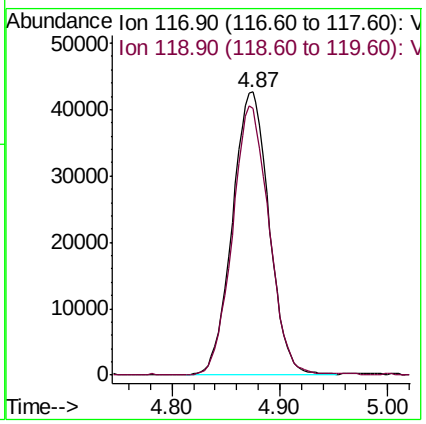


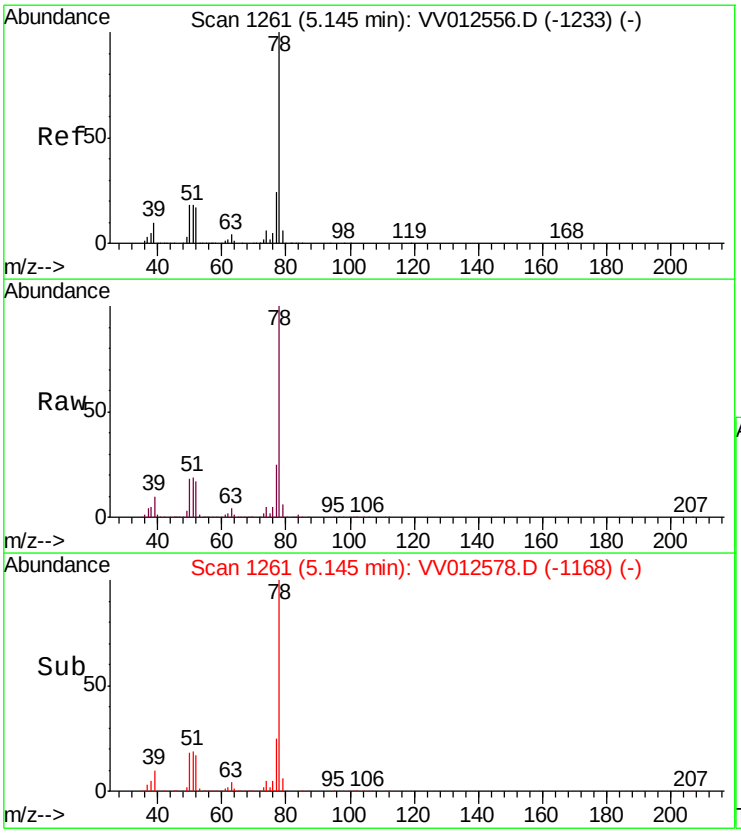

#31
Carbon tetrachloride
Concen: 4.655 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion:117 Resp: 101384

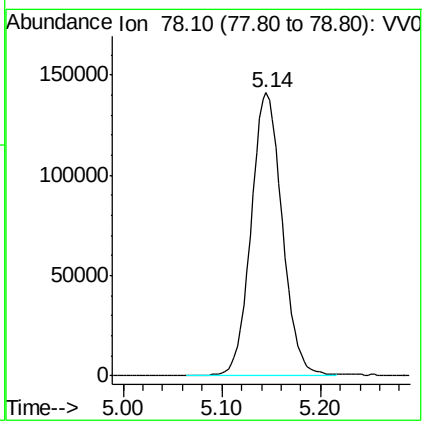
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 76.5 | 114.7 |

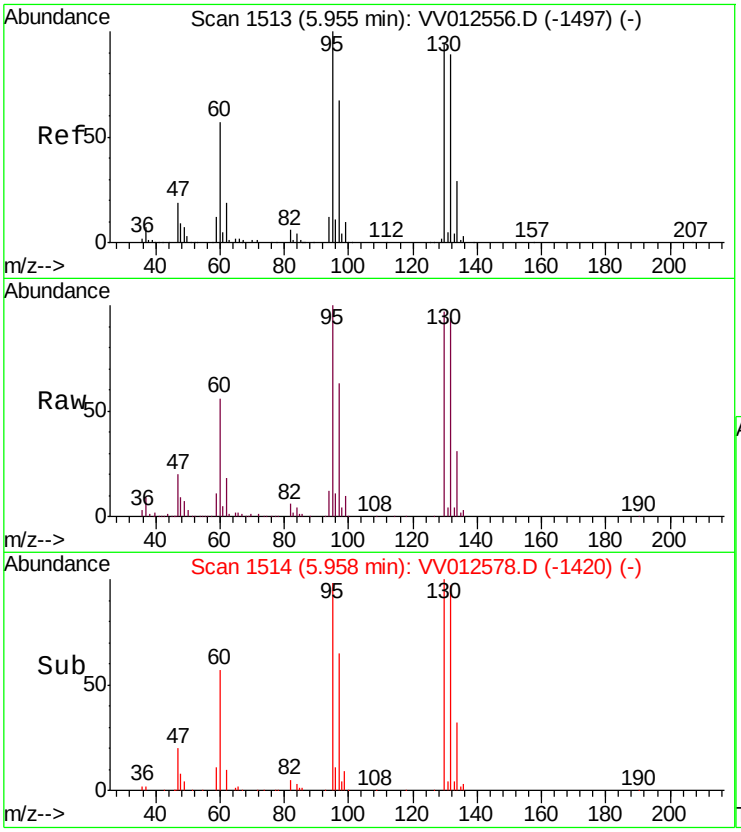



#33
Benzene
Concen: 4.950 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 78 Resp: 307293



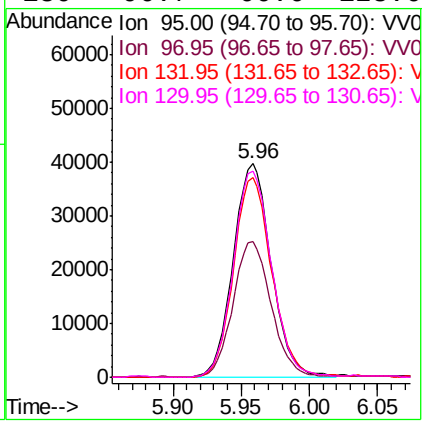


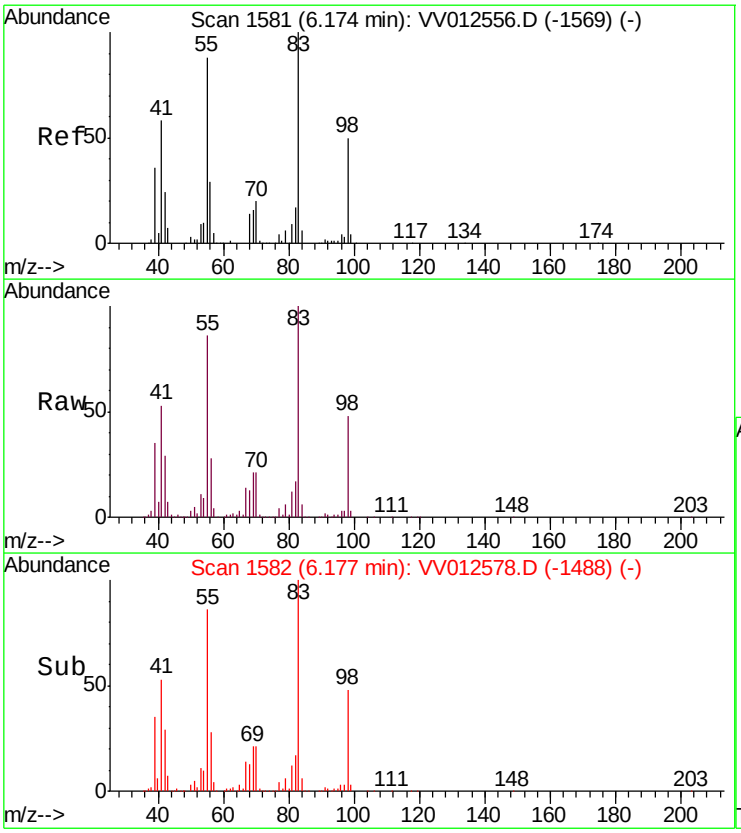

#34
Trichloroethene
Concen: 4.475 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 95 Resp: 76968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.3 | 44.7 | 83.1 |
| 132 | 93.6 | 63.8 | 118.4 |
| 130 | 96.7 | 66.6 | 123.6 |

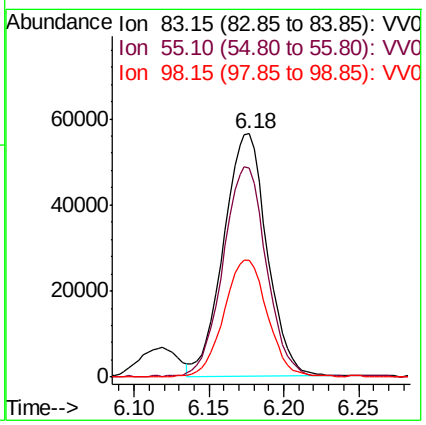


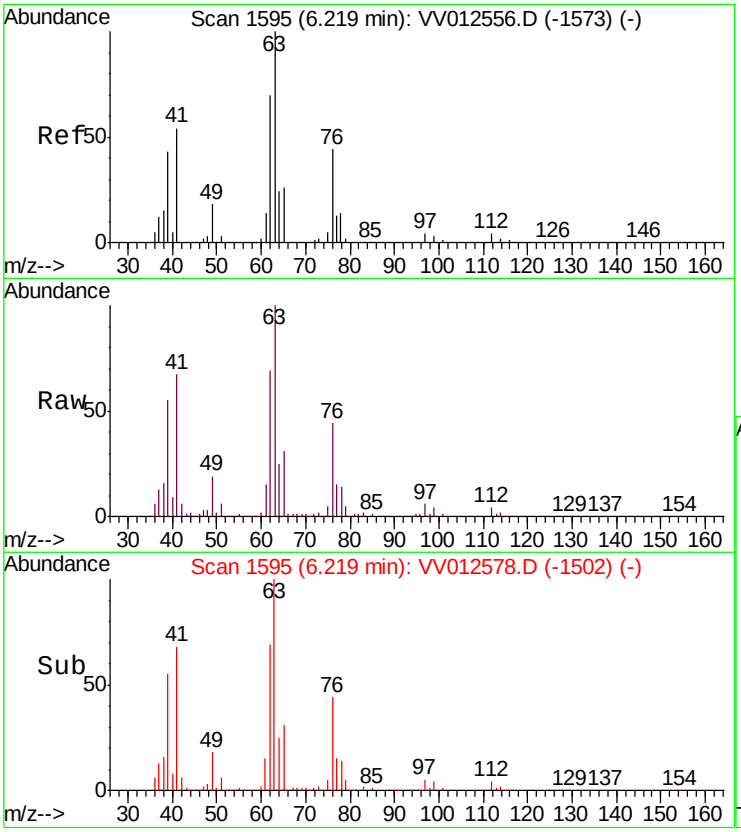




#35
Methylcyclohexane
Concen: 4.346 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 83 Resp: 113616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 86.2 | 67.3 | 100.9 |
| 98 | 48.9 | 37.4 | 56.2 |



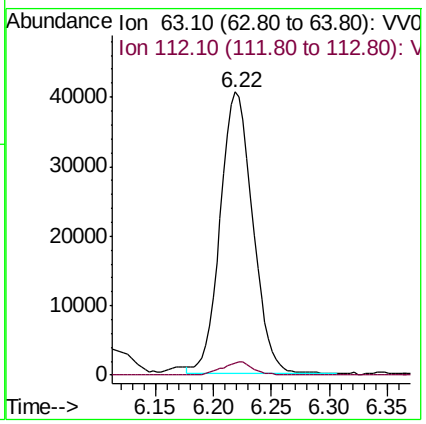


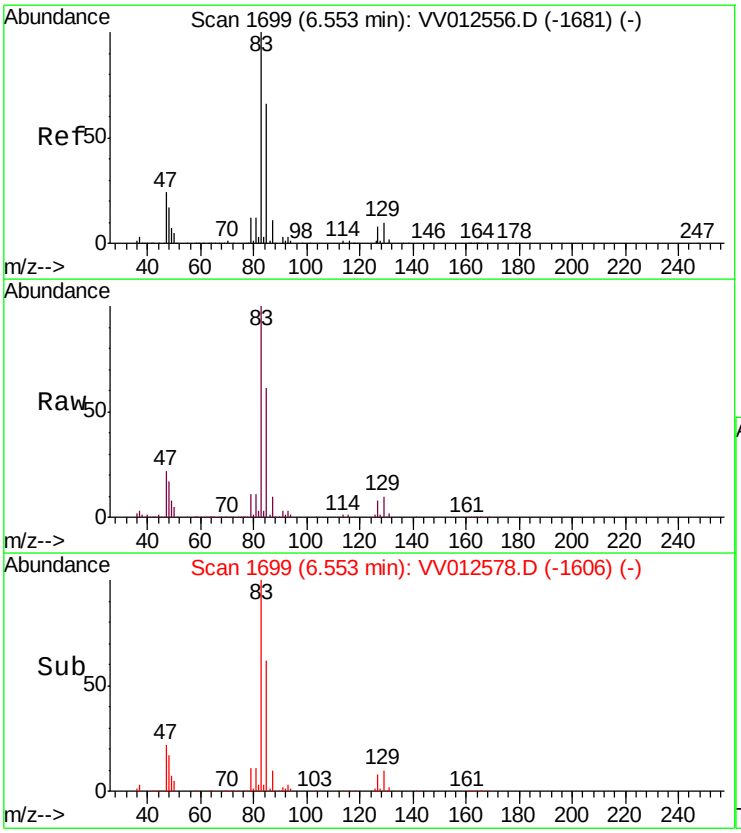

#37
1,2-Dichloropropane
Concen: 4.736 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 63 Resp: 78657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.4 | 3.5 | 5.3 |

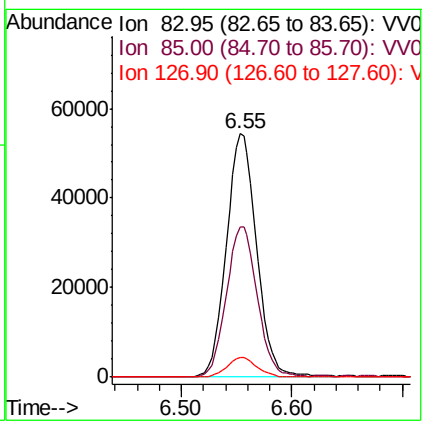


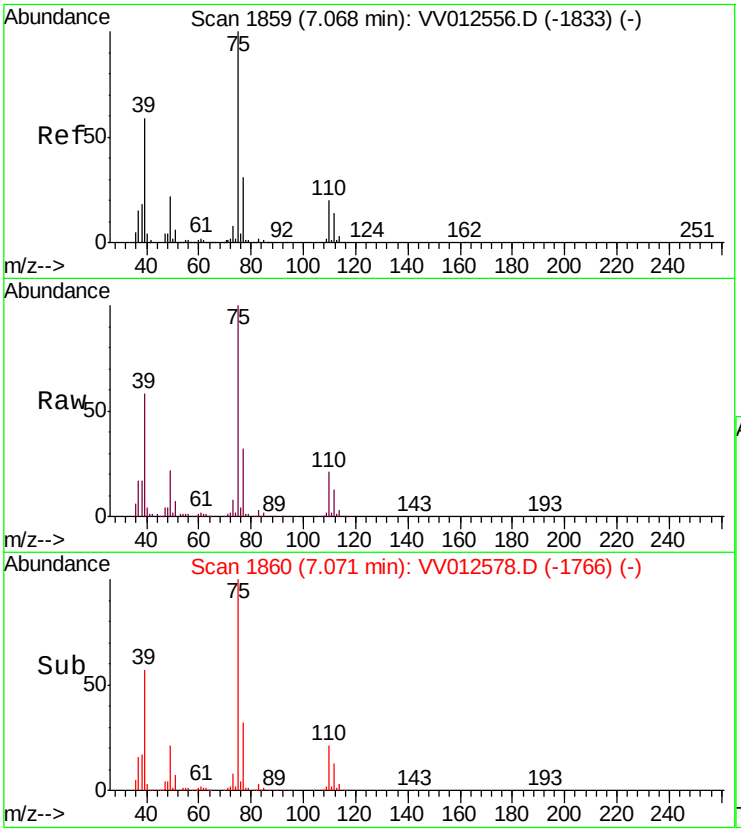




#38
Bromodichloromethane
Concen: 4.925 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 83 Resp: 103428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.4 | 44.2 | 82.0 |
| 127 | 8.1 | 6.2 | 9.2 |



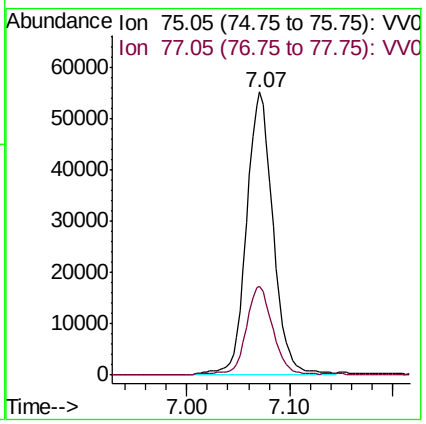


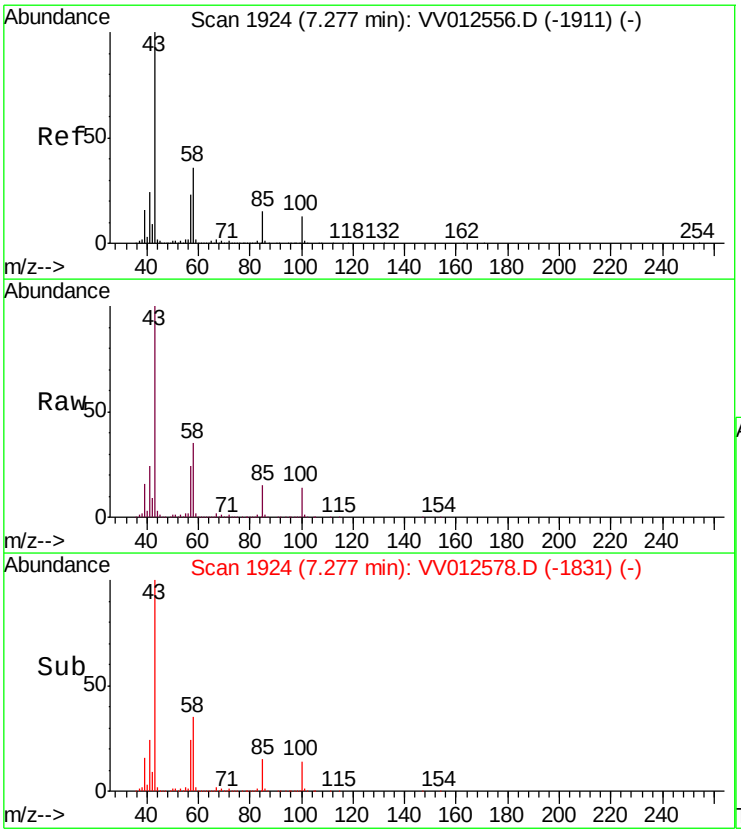

#39
cis-1,3-Dichloropropene
Concen: 4.586 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 75 Resp: 99062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 21.6 | 40.0 |

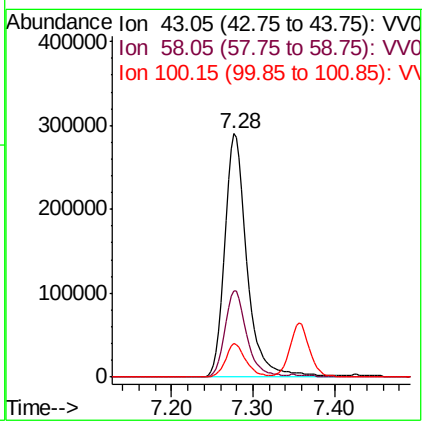


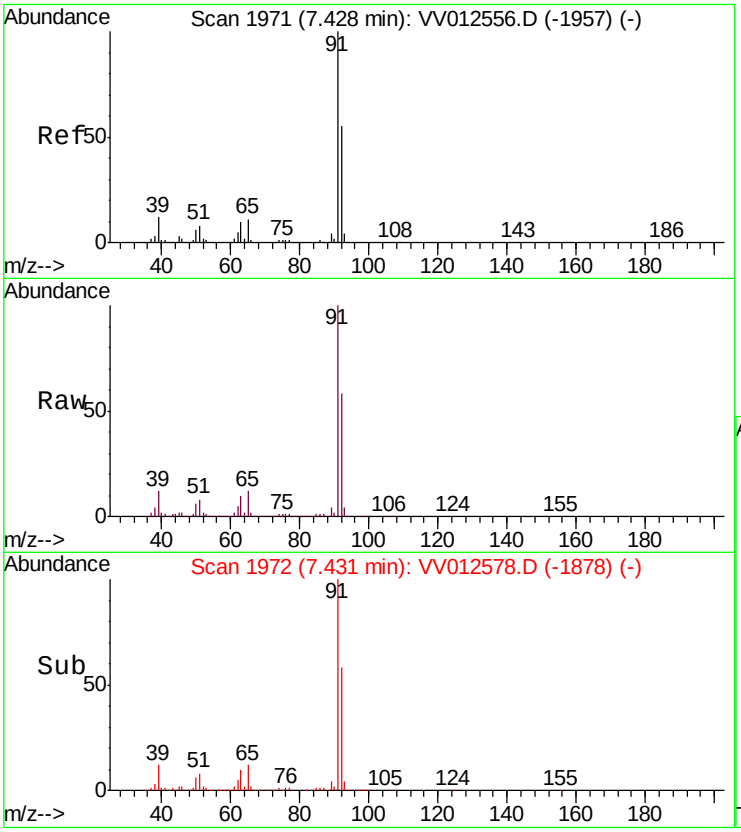




#40
4-Methyl-2-pentanone
Concen: 58.181 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 43 Resp: 561465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.0 | 28.2 | 42.2 |
| 100 | 12.6 | 9.9 | 14.9 |



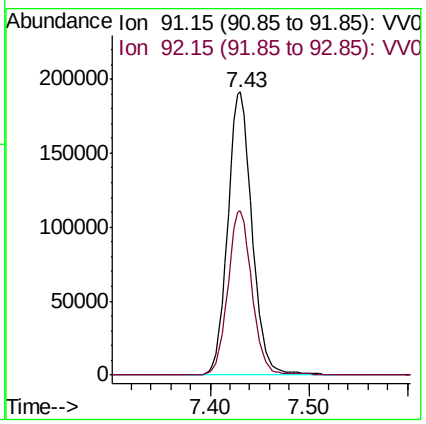


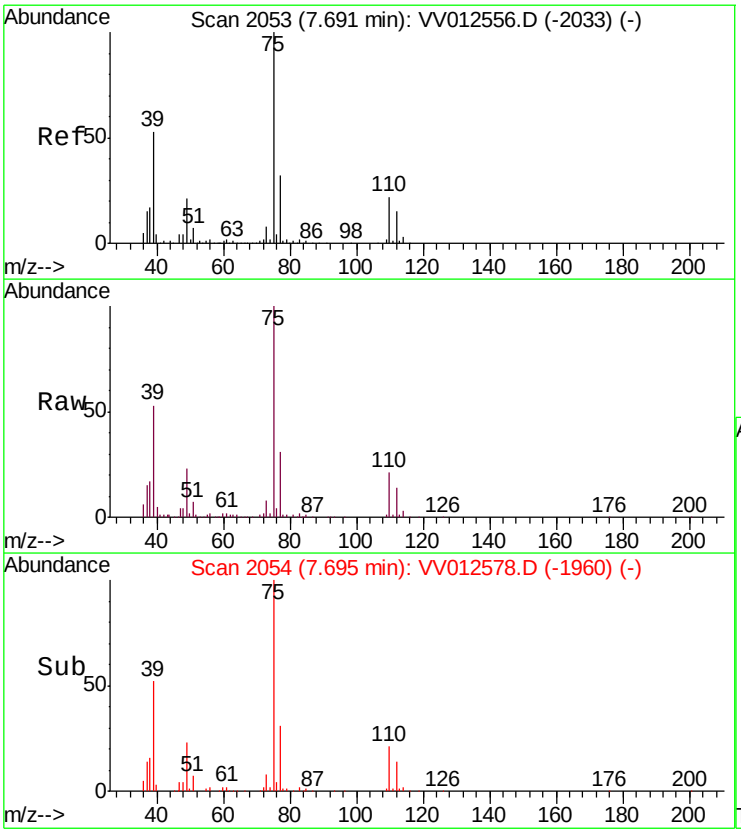

#42
Toluene
Concen: 4.881 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion: 91 Resp: 329314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.1 | 39.6 | 73.6 |

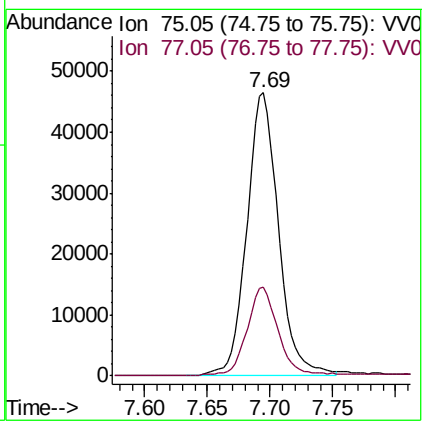


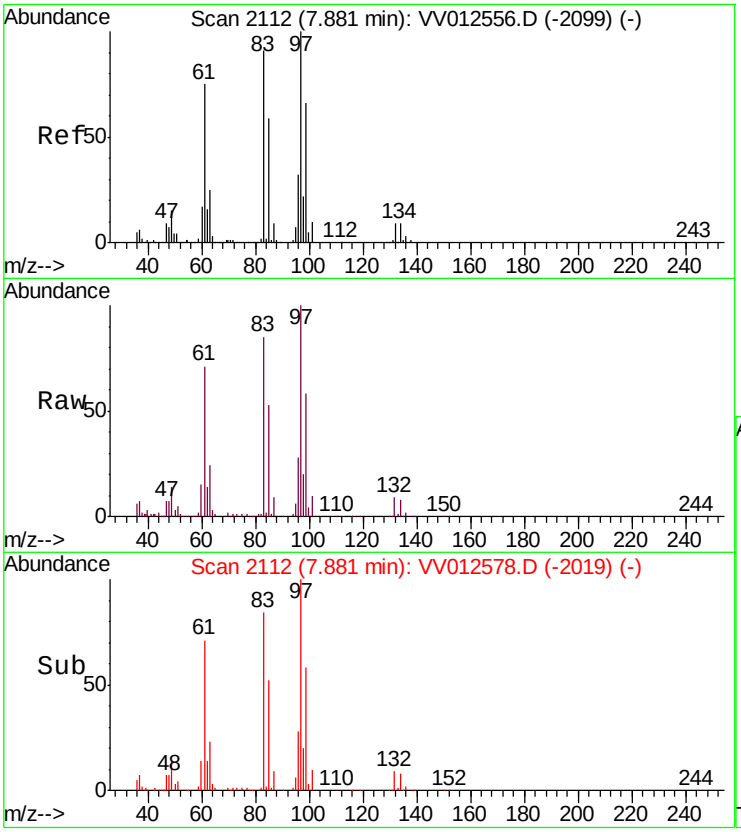




#44
trans-1,3-Dichloropropene
Concen: 4.782 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 75 Resp: 81864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 22.2 | 41.2 |



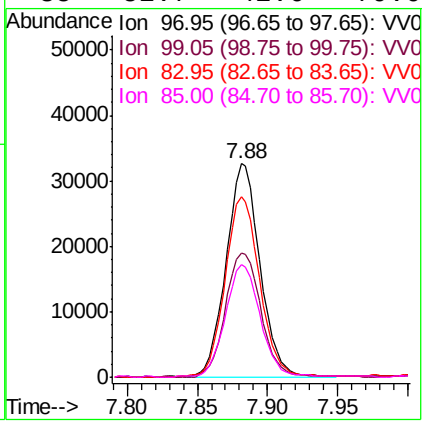


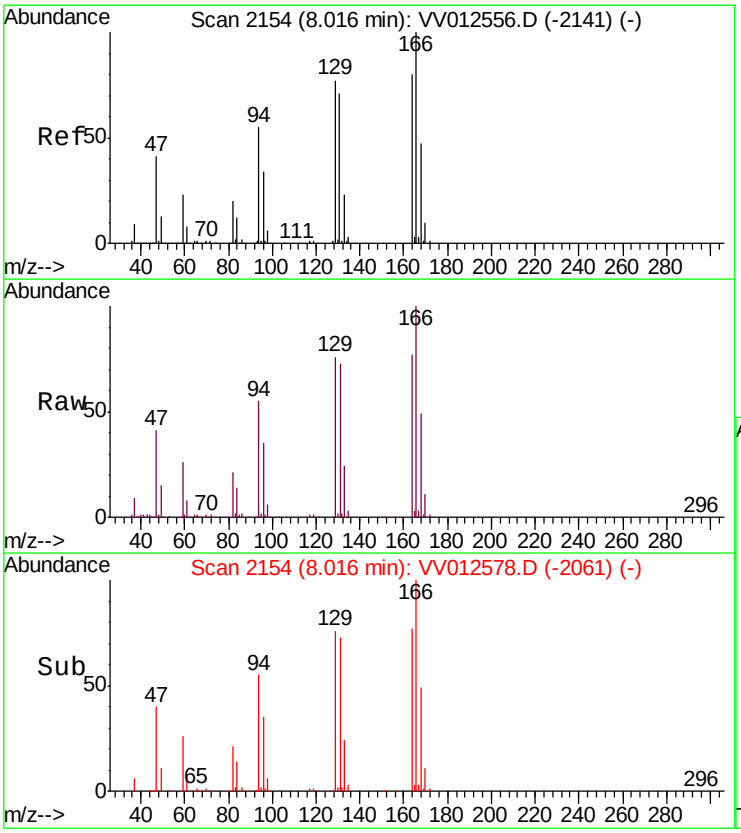

#45
1,1,2-Trichloroethane
Concen: 5.250 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 97 Resp: 55139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 58.2 | 44.1 | 81.9 |
| 83 | 84.7 | 62.7 | 116.5 |
| 85 | 52.7 | 42.6 | 79.0 |

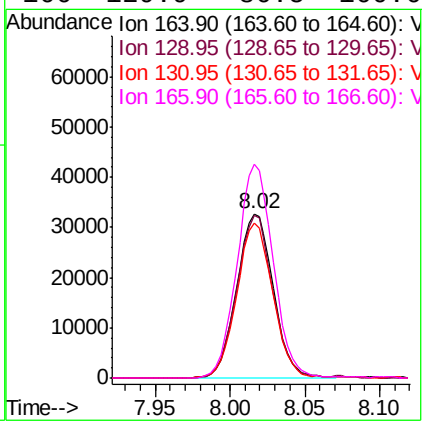


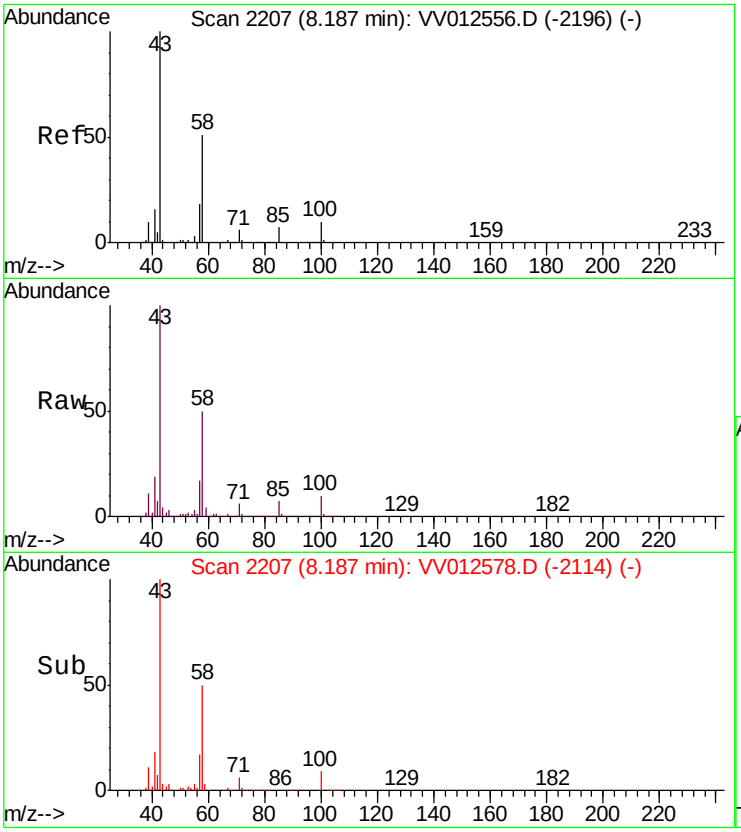




#47
Tetrachloroethene
Concen: 4.477 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:164 Resp: 55636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 98.6 | 64.5 | 119.9 |
| 131 | 94.4 | 62.3 | 115.7 |
| 166 | 129.9 | 86.5 | 160.6 |



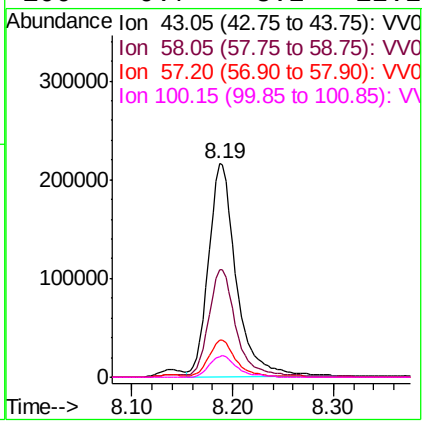


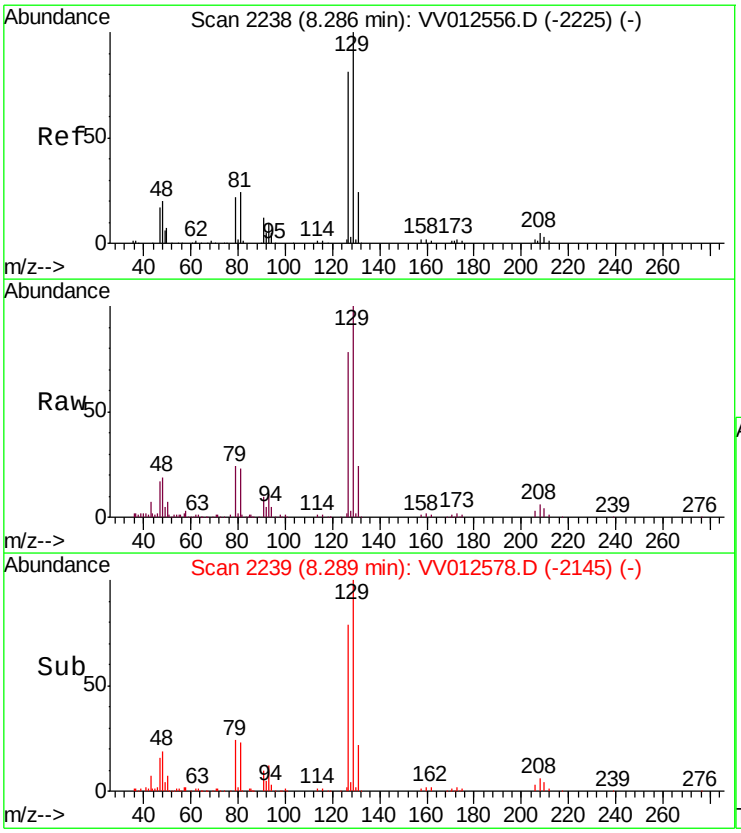

#48
2-Hexanone
Concen: 60.538 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion: 43 Resp: 409422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.8 | 40.0 | 60.0 |
| 57 | 17.2 | 13.4 | 20.2 |
| 100 | 9.7 | 8.2 | 12.2 |

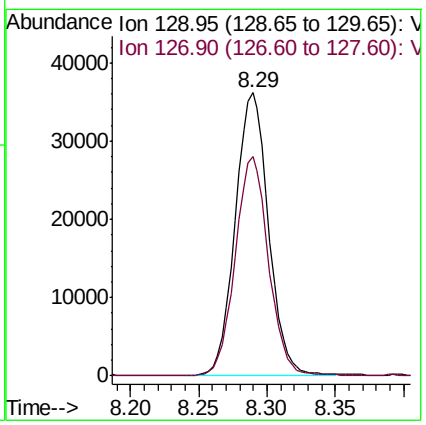


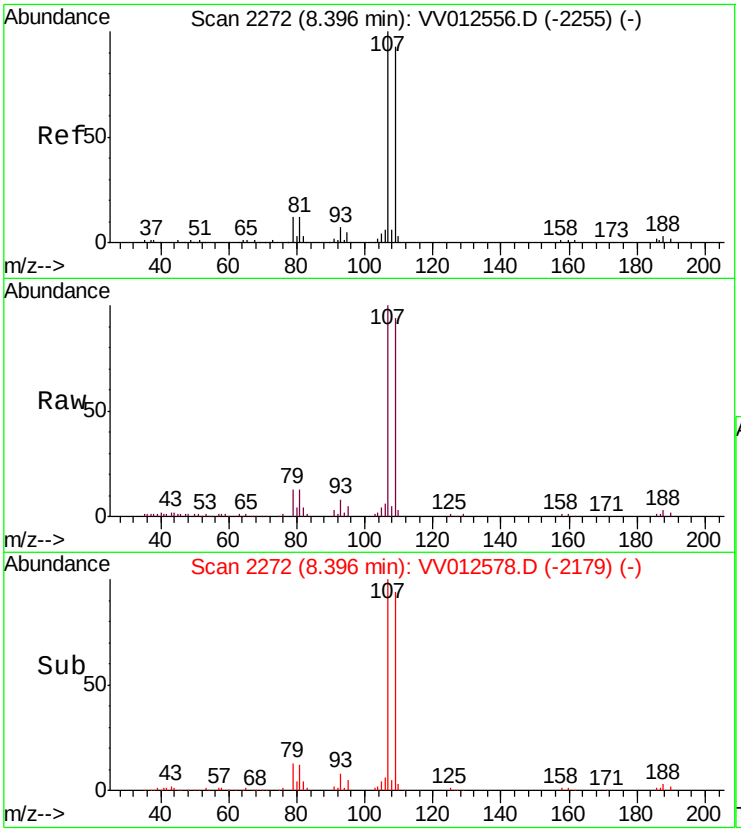




#49
Dibromochloromethane
Concen: 5.021 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:129 Resp: 61389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 54.9 | 102.1 |



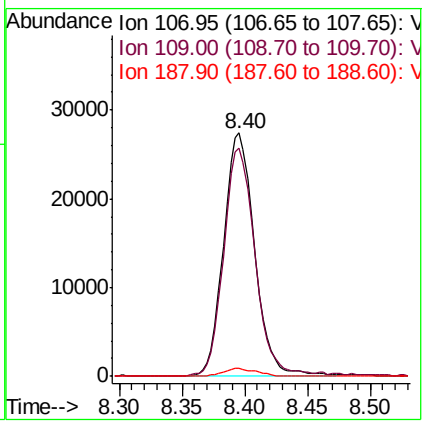


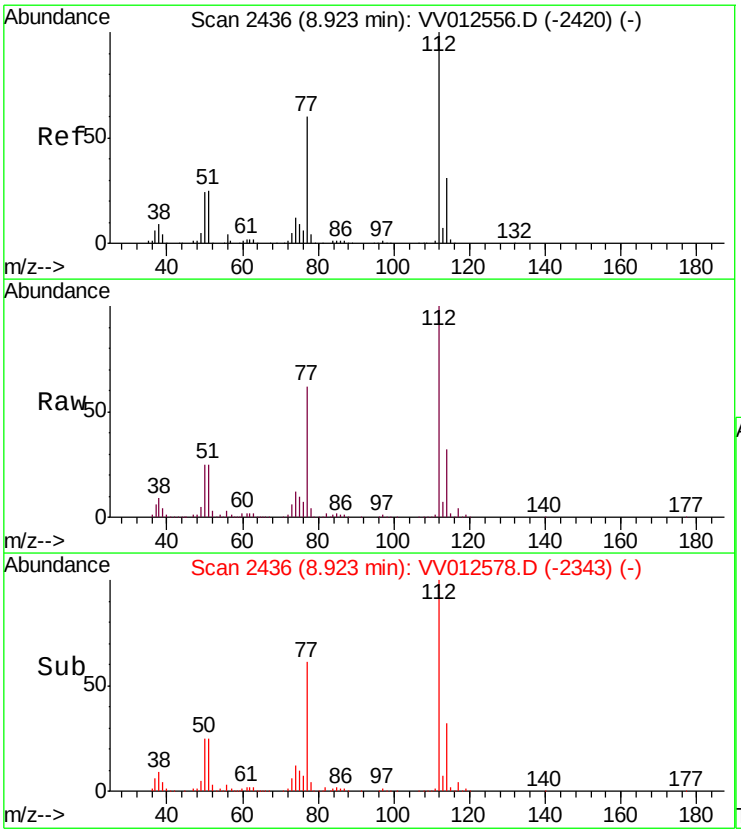

#50
1,2-Dibromoethane
Concen: 5.024 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion:107 Resp: 47082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 67.8 | 125.8 |
| 188 | 3.4 | 3.2 | 4.8 |

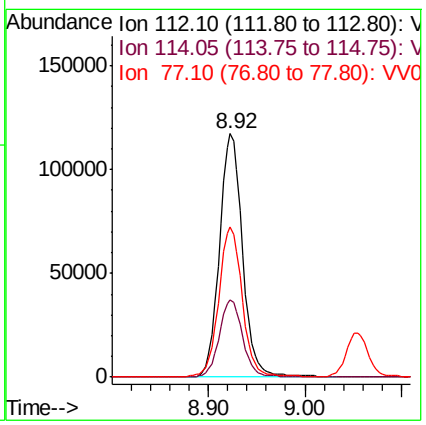


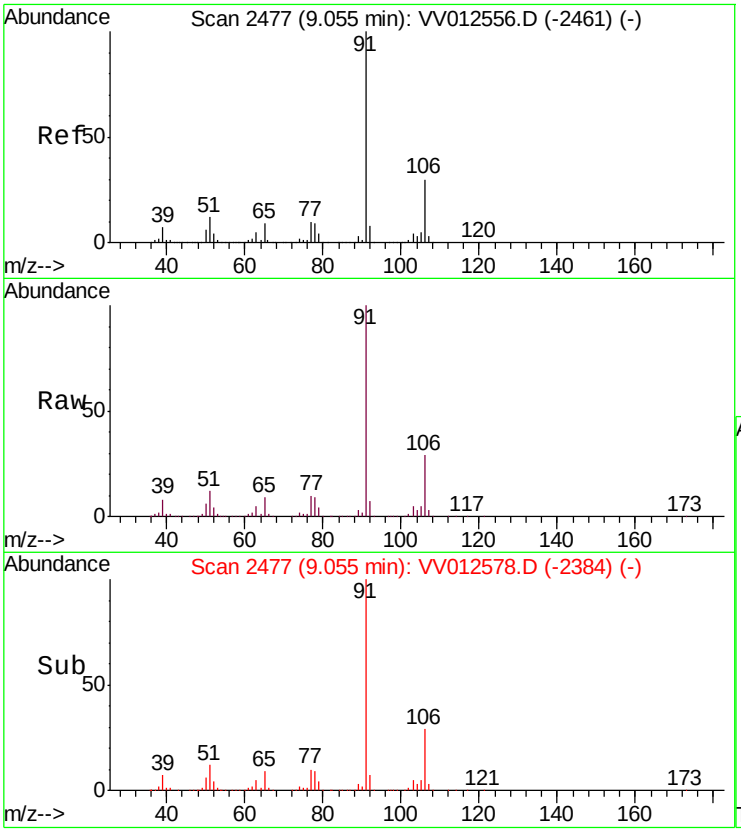




#51
Chlorobenzene
Concen: 4.581 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:112 Resp: 194190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 23.0 | 42.6 |
| 77 | 61.6 | 50.4 | 75.6 |



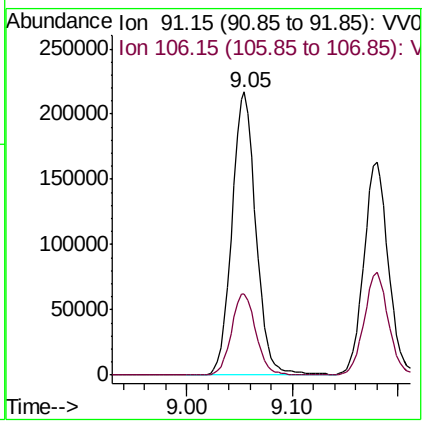


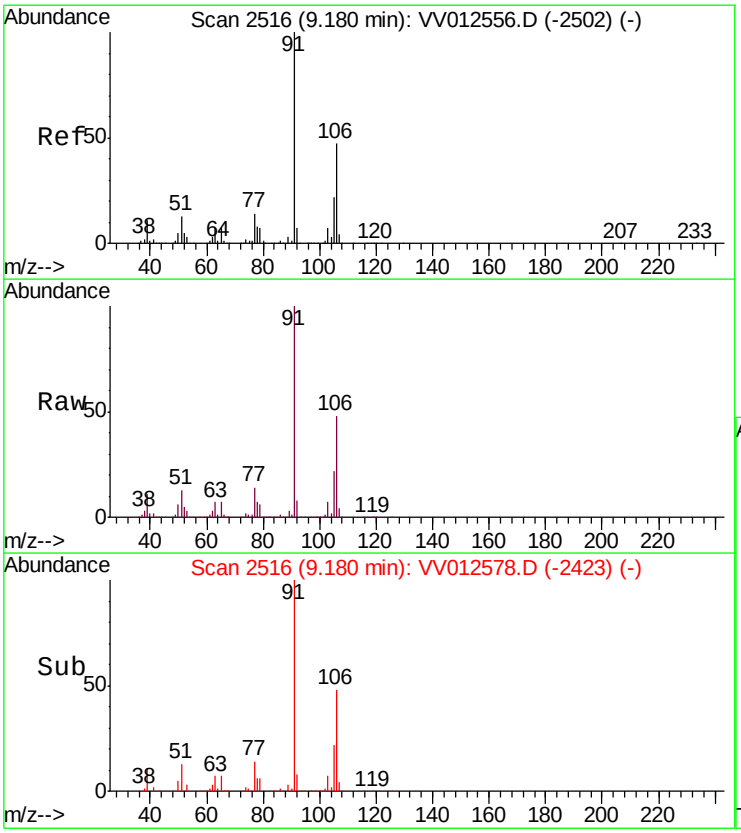

#52
Ethylbenzene
Concen: 4.637 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion: 91 Resp: 341286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.7 | 21.1 | 39.3 |

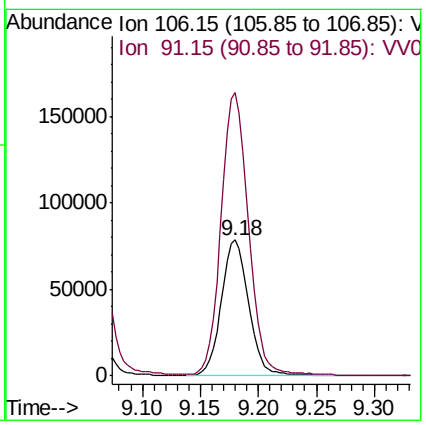


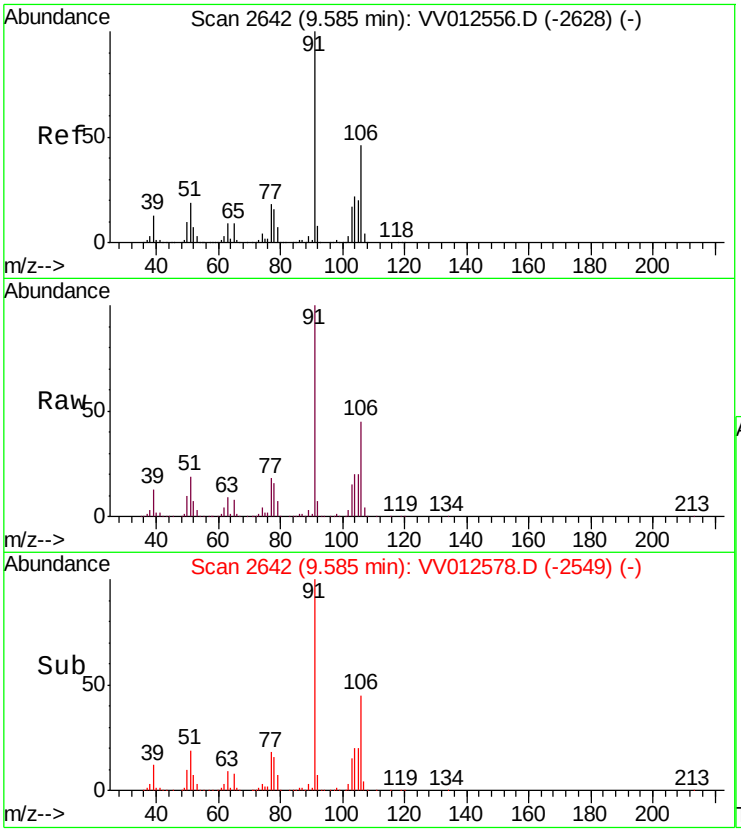




#53
m,p-xylene
Concen: 4.753 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:106 Resp: 126894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.2 | 145.8 | 270.8 |



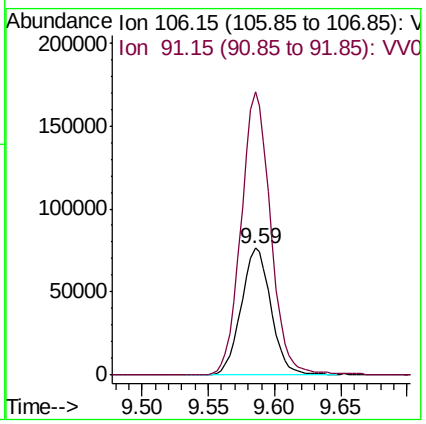


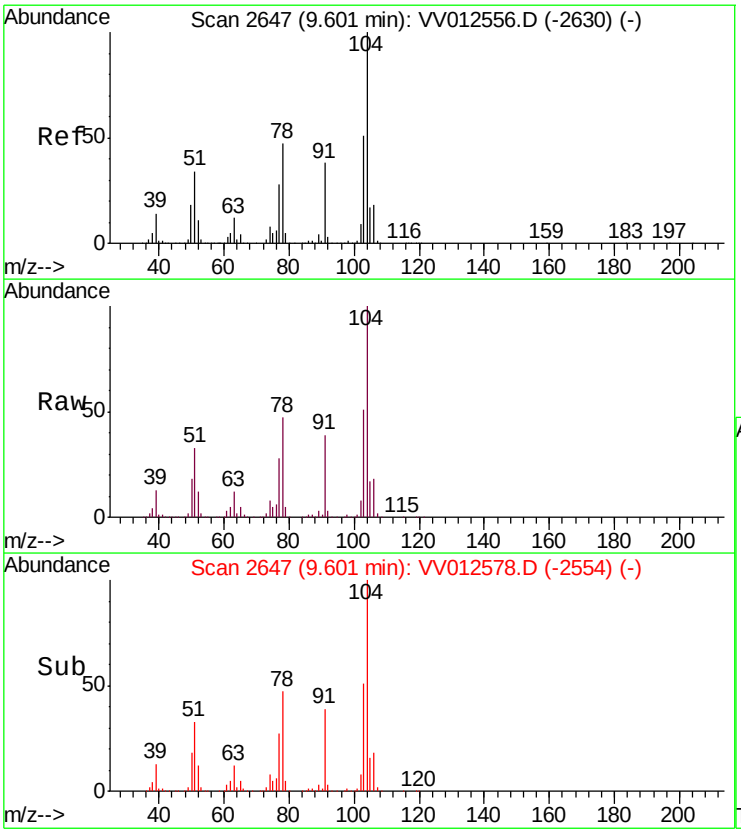

#54
o-xylene
Concen: 4.757 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion:106 Resp: 119822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.5 | 159.5 | 296.3 |

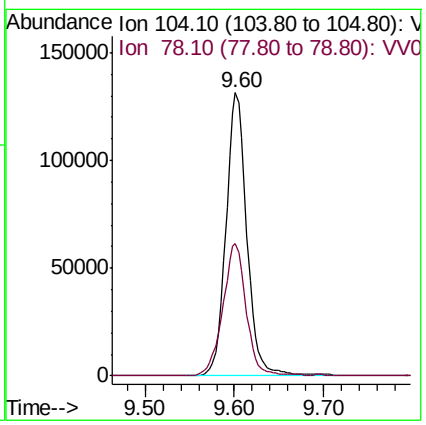


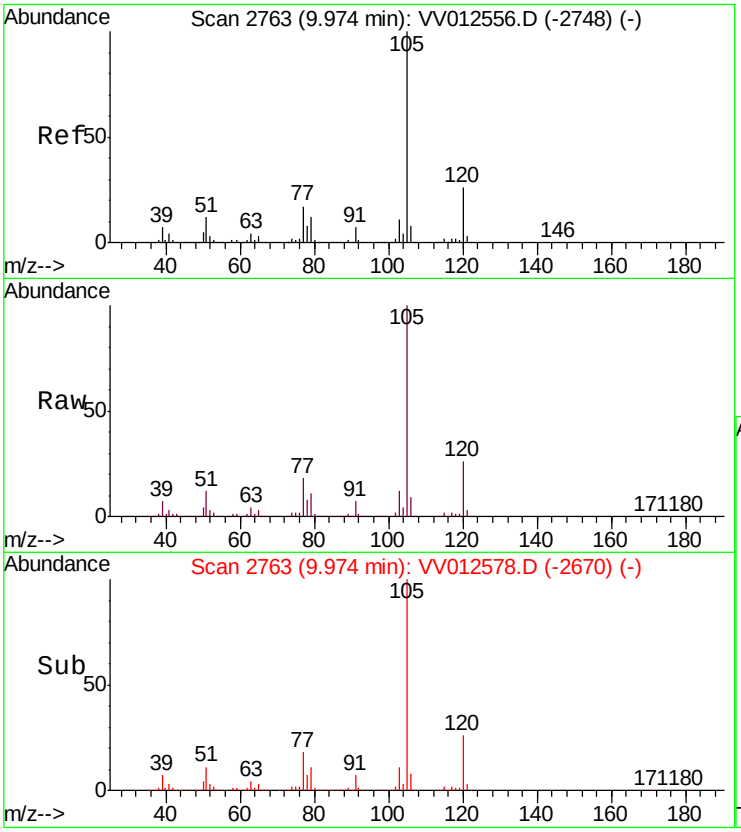




#55
Styrene
Concen: 4.977 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:104 Resp: 213306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 46.8 | 32.3 | 60.1 |



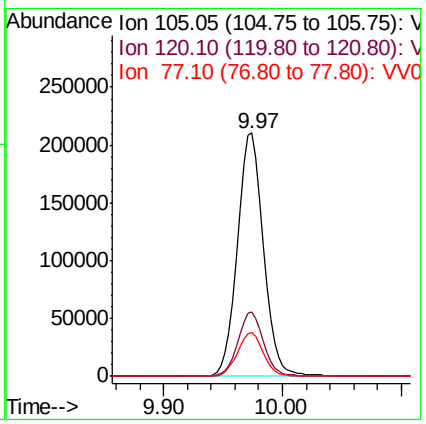


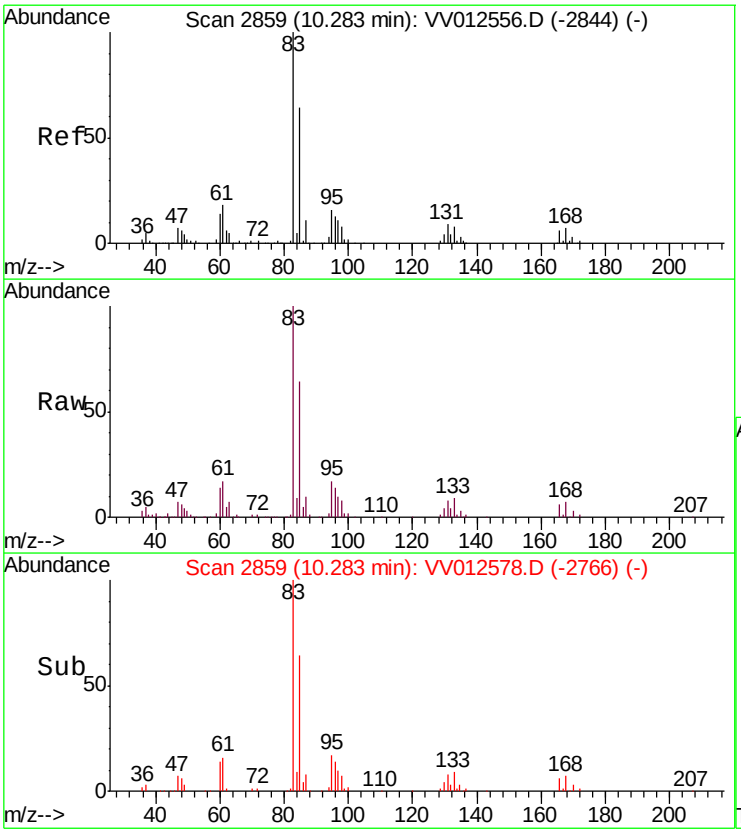

#56
Isopropylbenzene
Concen: 4.590 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion:105 Resp: 319967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 20.9 | 31.3 |
| 77 | 18.1 | 13.5 | 20.3 |

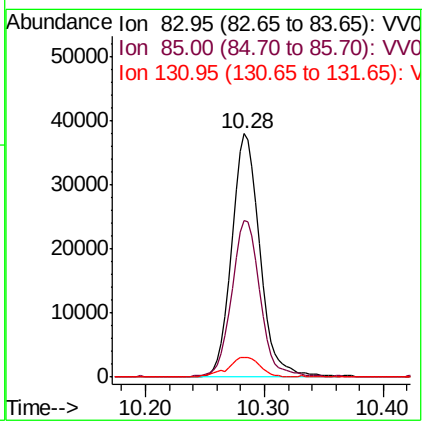


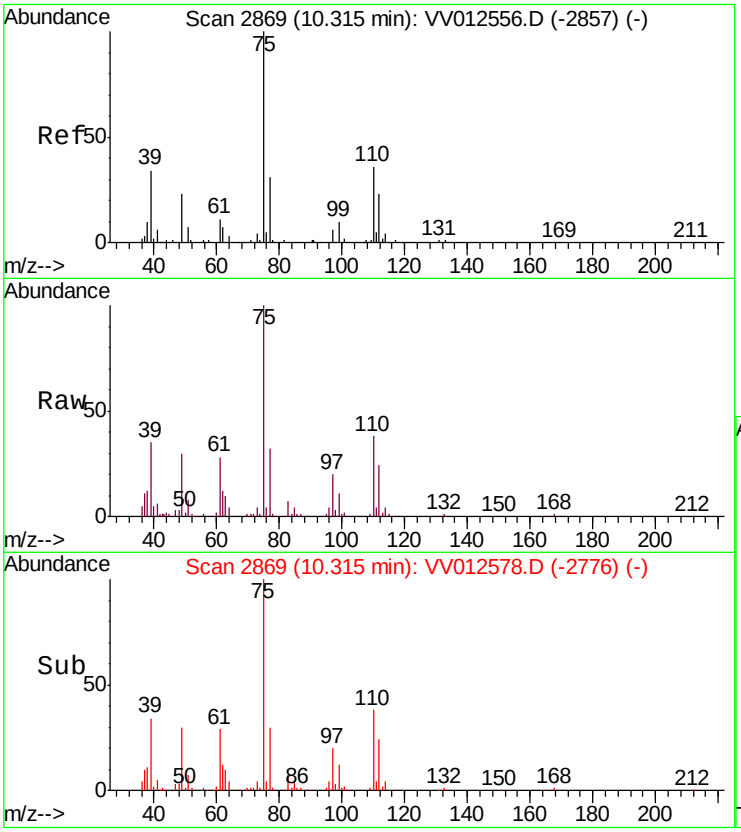




#58
1,1,2,2-Tetrachloroethane
Concen: 5.278 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 83 Resp: 62372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 43.8 | 81.4 |
| 131 | 8.2 | 6.6 | 10.0 |



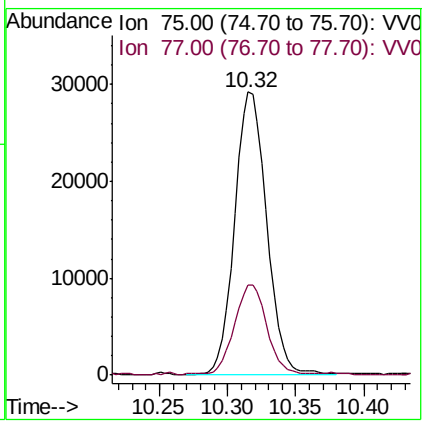


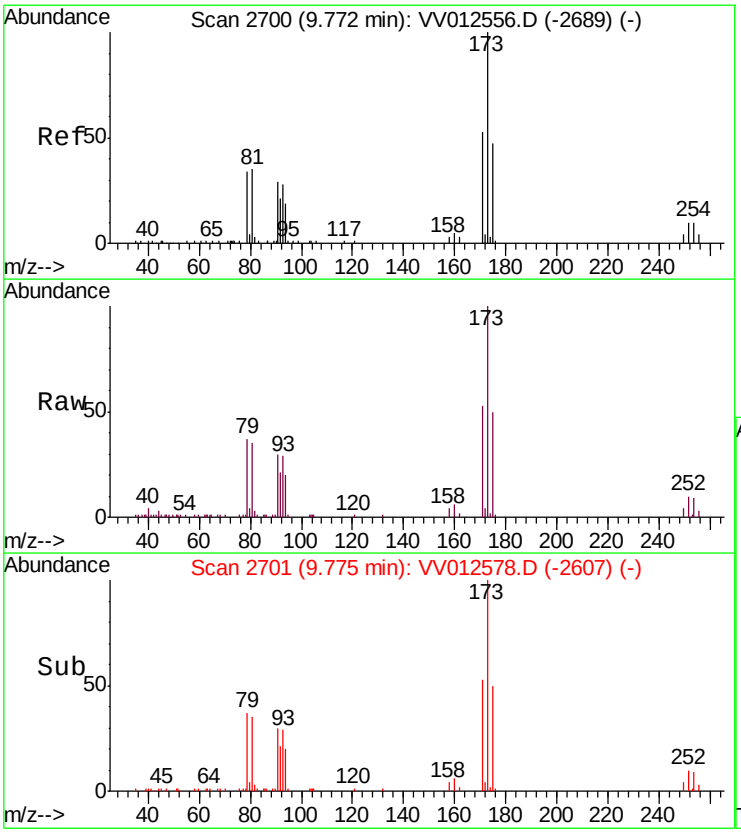

#59
1,2,3-Trichloropropane
Concen: 5.172 ug/L
RT: 10.32 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion: 75 Resp: 47882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 26.7 | 40.1 |

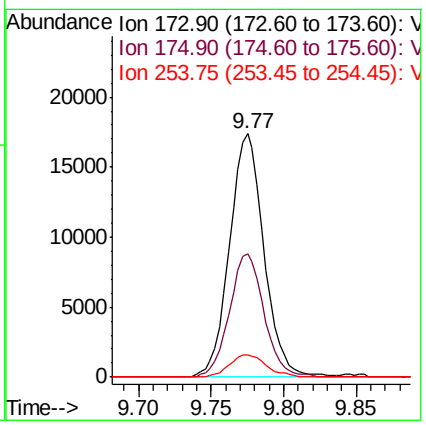


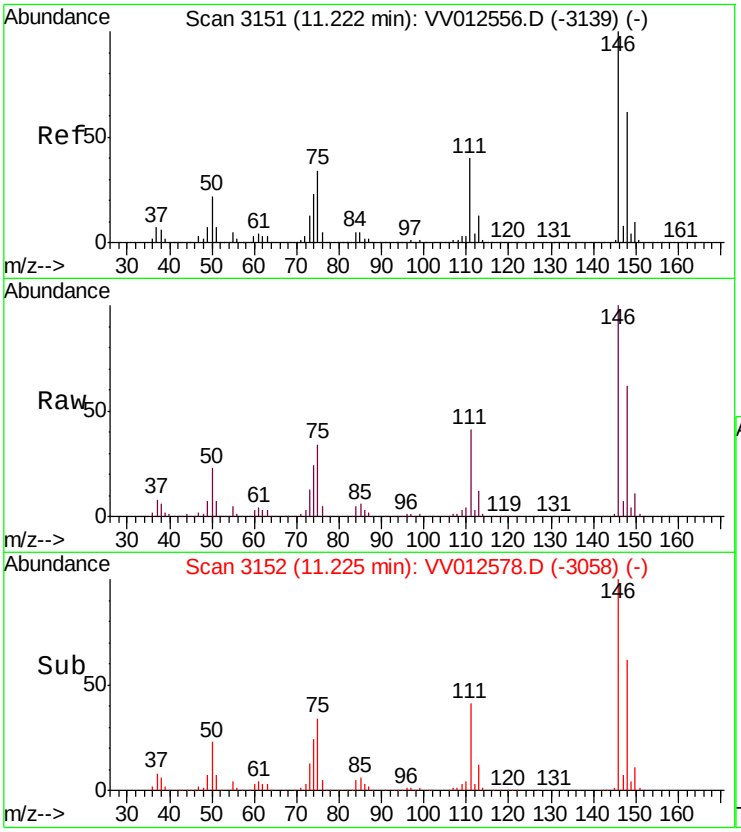




#61
Bromoform
Concen: 4.876 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:173 Resp: 28598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.8 | 39.1 | 58.7 |
| 254 | 9.8 | 7.4 | 11.2 |



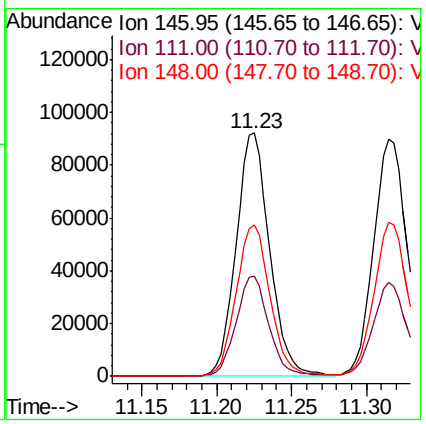


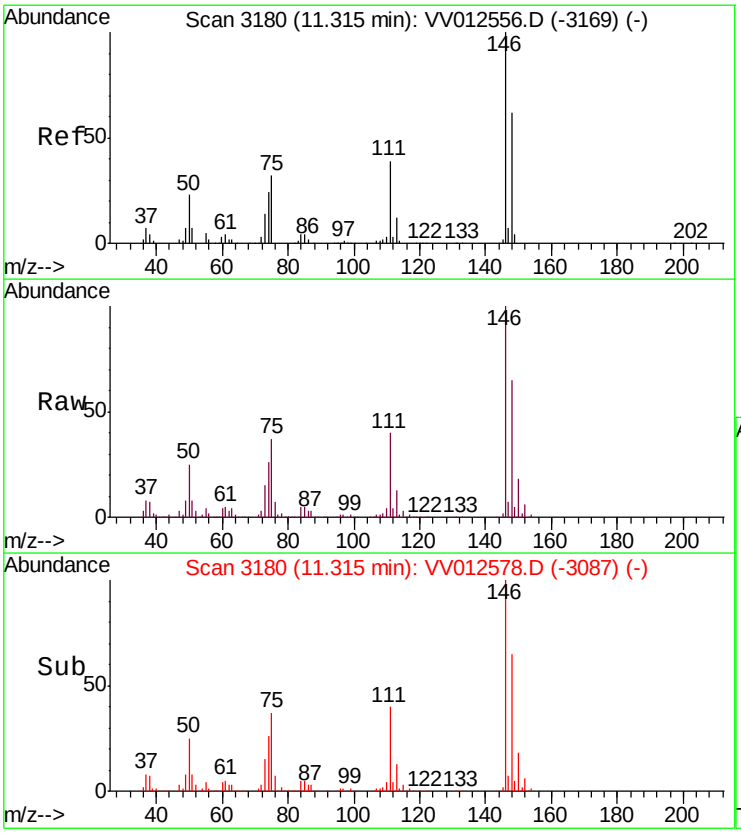

#62
1,3-Dichlorobenzene
Concen: 4.629 ug/L
RT: 11.23 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion:146 Resp: 144240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 29.7 | 55.1 |
| 148 | 62.3 | 45.7 | 84.9 |

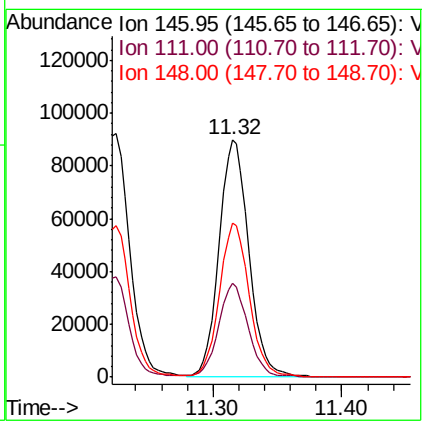


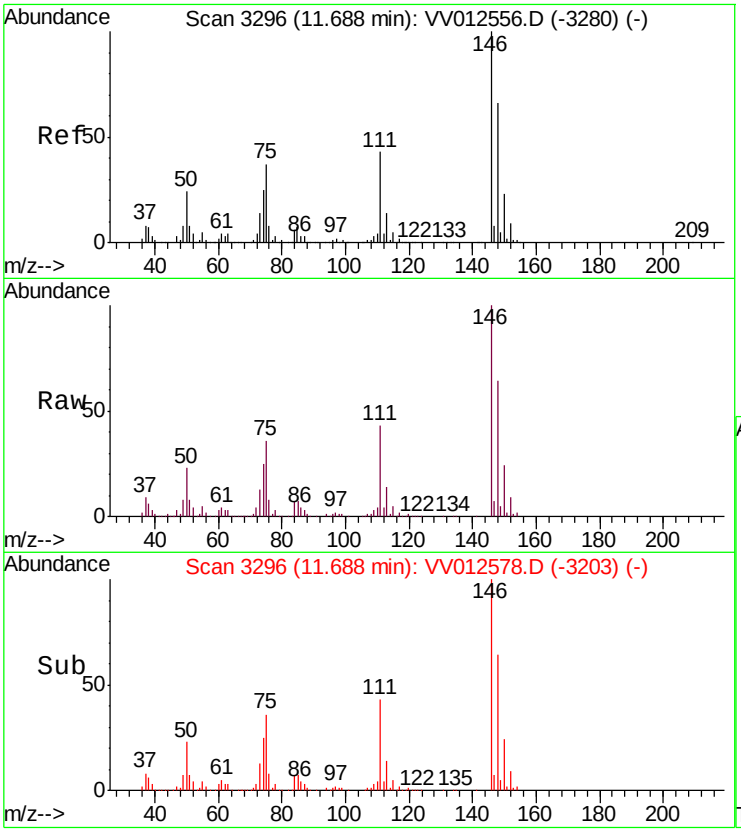




#63
1,4-Dichlorobenzene
Concen: 4.473 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:146 Resp: 143448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.7 | 27.9 | 51.7 |
| 148 | 64.5 | 44.9 | 83.3 |



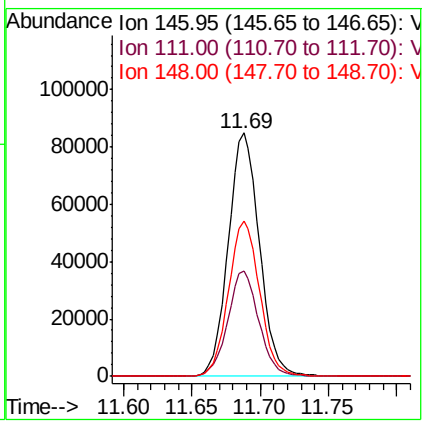


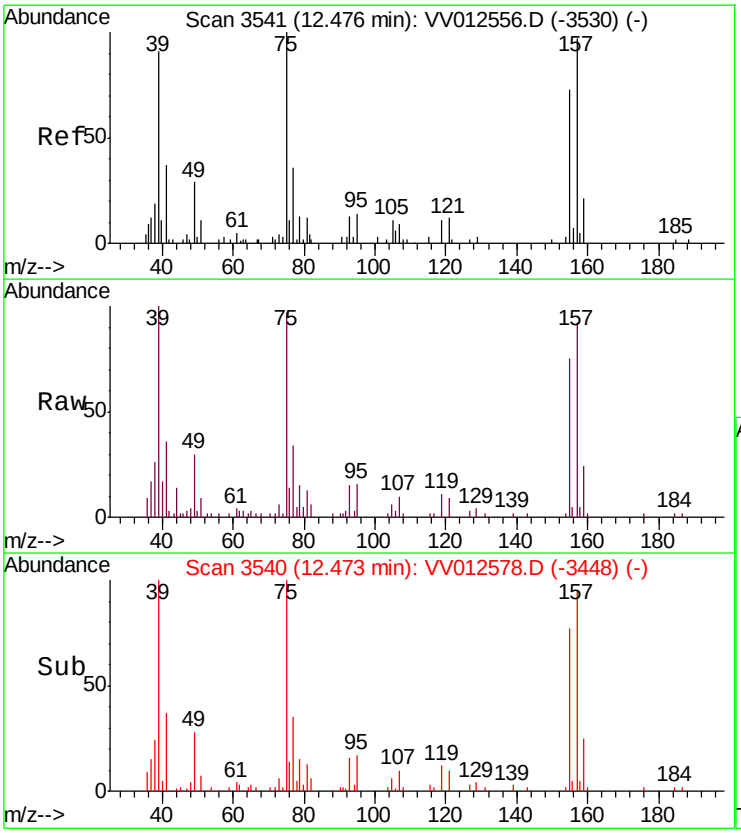

#65
1,2-Dichlorobenzene
Concen: 4.726 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00542

Tgt Ion:146 Resp: 134940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 34.2 | 51.2 |
| 148 | 63.8 | 50.8 | 76.2 |

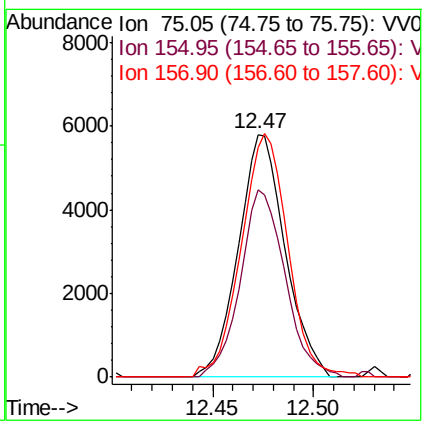


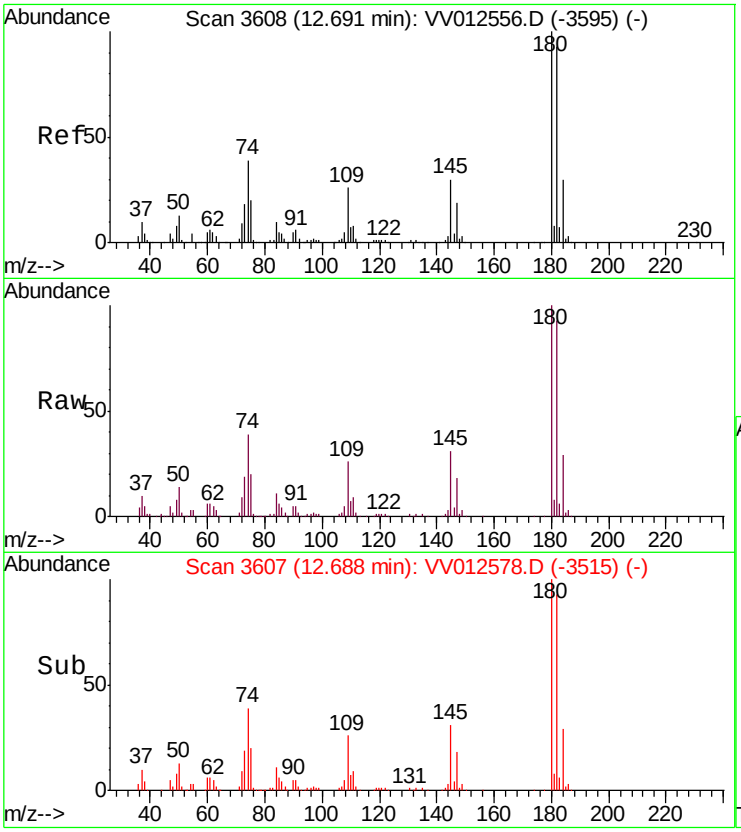




#66
1,2-Dibromo-3-chloropropane
Concen: 4.889 ug/L
RT: 12.47 min Scan# 3540
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion: 75 Resp: 9410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.1 | 50.6 | 75.8# |
| 157 | 94.5 | 72.6 | 109.0 |



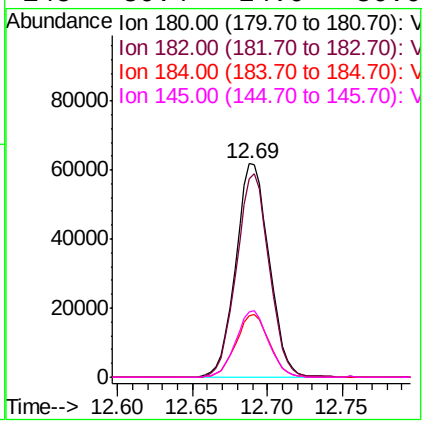


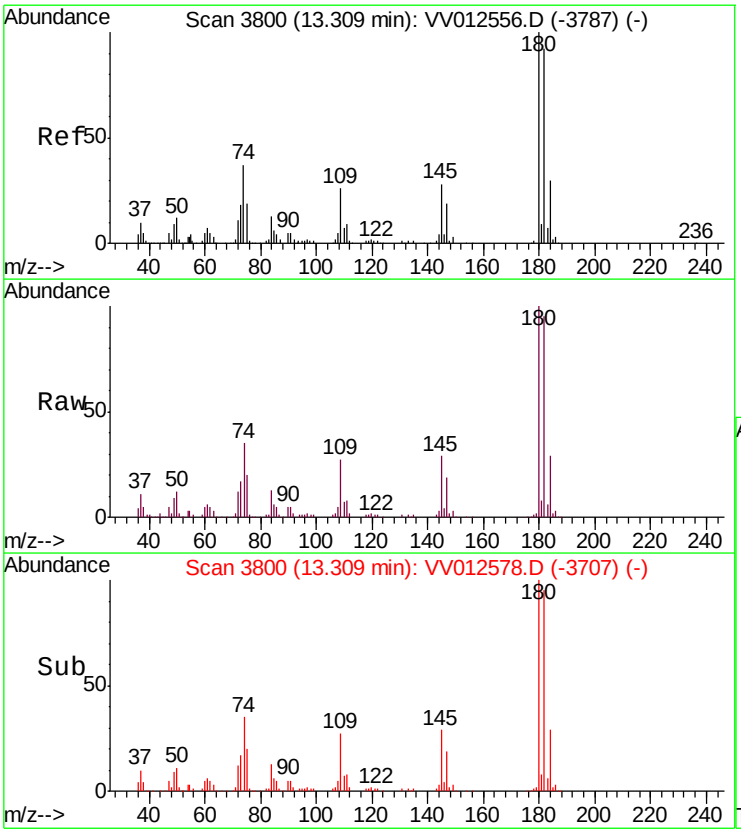

#67
1,3,5-Trichlorobenzene
Concen: 4.165 ug/L
RT: 12.69 min Scan# 3607
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion:180 Resp: 95902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 74.4 | 111.6 |
| 184 | 29.4 | 23.4 | 35.0 |
| 145 | 30.4 | 24.0 | 36.0 |

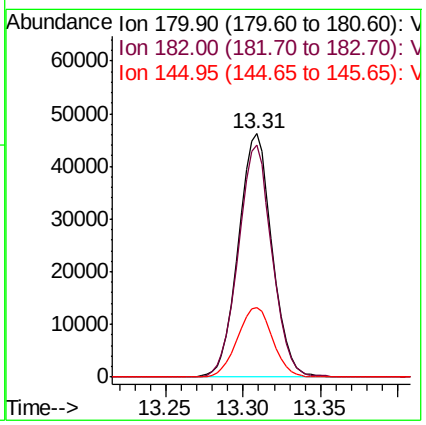


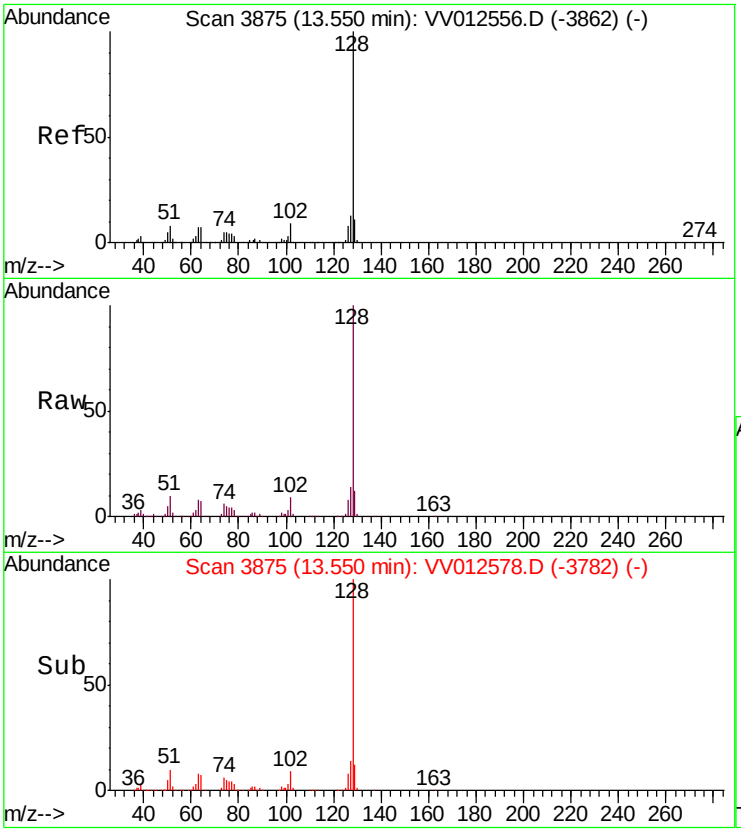




#68
1,2,4-trichlorobenzene
Concen: 4.220 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:180 Resp: 69995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 75.8 | 113.6 |
| 145 | 29.9 | 23.8 | 35.8 |



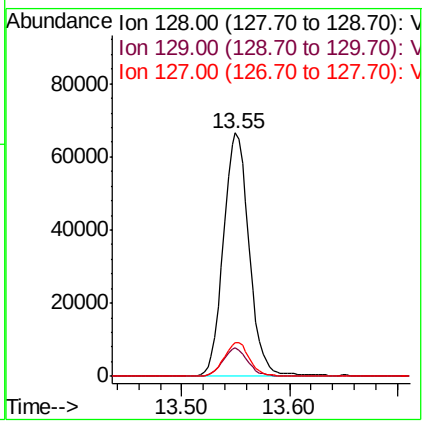


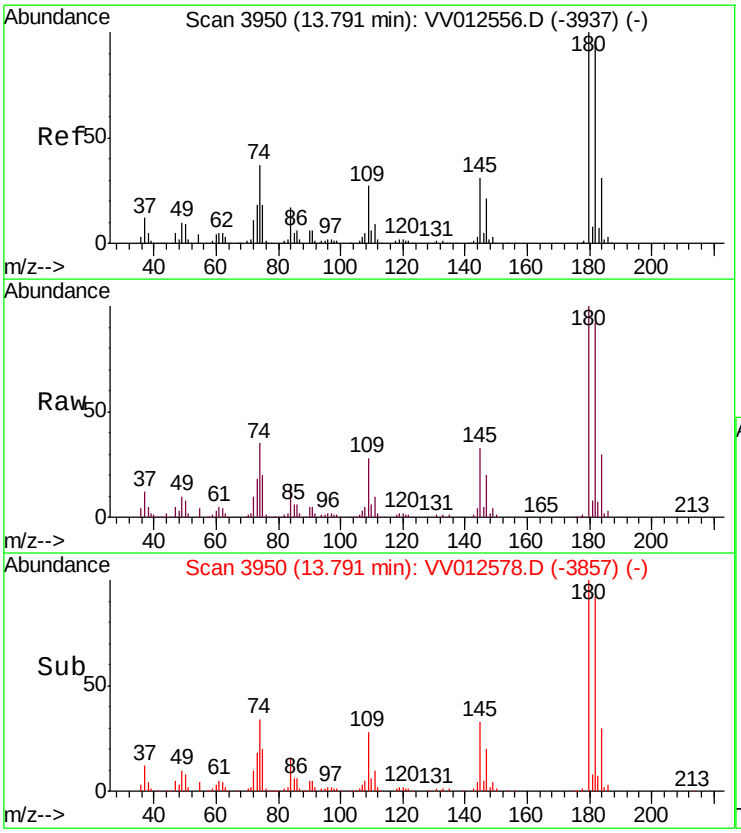

#69
Naphthalene
Concen: 4.500 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00542

Tgt Ion:128 Resp: 110671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 8.8 | 13.2 |
| 127 | 13.8 | 11.0 | 16.4 |




#70
1,2,3-Trichlorobenzene
Concen: 4.697 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV012578.D
Acq: 04 Sep 2019 20:10

Tgt Ion:180 Resp: 70520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 79.4 | 119.0 |
| 145 | 32.9 | 26.2 | 39.4 |