Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031219\

Quantitation Report (Not Reviewed)

Data File : VU029940.D
Acq On : 10 Mar 2019 11:42
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Quant Time: Mar 11 06:47:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 02:20:19 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 535038 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 526886 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 273053 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 156437 | 47.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 95.84% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 130302 | 47.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 94.96% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 301145 | 48.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 97.88% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 256517 | 101.42 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 101.42% | | | |
| 24) Chloroform-d | 4.64 | 84 | 313422 | 49.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.66% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 182781 | 49.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.20% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 657145 | 50.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.10% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 197935 | 49.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 99.82% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 629650 | 49.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.96% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 94168 | 49.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 98.14% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 203818 | 95.52 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 95.52% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 319602 | 51.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 102.08% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 266157 | 49.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.40% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.20 | 85 | 217715 | 52.813 | ug/L | 100 |
| 3) Chloromethane | 1.33 | 50 | 269496 | 49.900 | ug/L | 99 |
| 5) Vinyl chloride | 1.40 | 62 | 217772 | 52.050 | ug/L | 98 |
| 6) Bromomethane | 1.62 | 94 | 61582 | 55.518 | ug/L | 99 |
| 8) Chloroethane | 1.69 | 64 | 128303 | 50.137 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.88 | 101 | 286694 | 51.744 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28 | 101 | 184207 | 54.020 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.28 | 96 | 170451 | 51.508 | ug/L | 93 |
| 13) Acetone | 2.32 | 43 | 314642 | 114.049 | ug/L | 99 |
| 14) Carbon disulfide | 2.47 | 76 | 525414 | 50.943 | ug/L | 99 |
| 15) Methyl Acetate | 2.61 | 43 | 200440 | 52.625 | ug/L | 98 |
| 16) Methylene chloride | 2.70 | 84 | 200732 | 51.736 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 2.98 | 96 | 183105 | 52.192 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 3.00 | 73 | 507341 | 57.772 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.44 | 63 | 318731 | 52.687 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 207000 | 51.710 | ug/L | 99 |
| 22) 2-Butanone | 4.26 | 43 | 357424 | 113.179 | ug/L | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031219\

Quantitation Report (Not Reviewed)

Data File : VU029940.D
Acq On : 10 Mar 2019 11:42
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Quant Time: Mar 11 06:47:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 02:20:19 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.54 | 128 | 105901 | 52.625 | ug/L | 98 |
| 25) Chloroform | 4.67 | 83 | 331188 | 50.876 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.40 | 62 | 237366 | 51.270 | ug/L | 100 |
| 29) Cyclohexane | 4.99 | 56 | 289676 | 53.693 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 4.91 | 97 | 279622 | 52.687 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.13 | 117 | 230688 | 49.226 | ug/L | 98 |
| 33) Benzene | 5.39 | 78 | 750284 | 53.307 | ug/L | 100 |
| 34) Trichloroethene | 6.18 | 95 | 190810 | 50.303 | ug/L | 99 |
| 35) Methylcyclohexane | 6.41 | 83 | 332553 | 54.941 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.43 | 63 | 190685 | 51.988 | ug/L | 100 |
| 38) Bromodichloromethane | 6.75 | 83 | 233951 | 50.950 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.27 | 75 | 295190 | 52.881 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.46 | 43 | 522651 | 106.863 | ug/L | 100 |
| 42) Toluene | 7.63 | 91 | 827292 | 53.770 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 7.88 | 75 | 264931 | 53.273 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.06 | 97 | 193115 | 51.866 | ug/L | 99 |
| 46) Tetrachloroethene | 8.22 | 164 | 173343 | 53.061 | ug/L | 94 |
| 48) 2-Hexanone | 8.36 | 43 | 462808 | 111.936 | ug/L | 99 |
| 49) Dibromochloromethane | 8.47 | 129 | 211429 | 51.882 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.58 | 107 | 207509 | 51.711 | ug/L | 98 |
| 51) Chlorobenzene | 9.12 | 112 | 545500 | 52.387 | ug/L | 100 |
| 52) Ethylbenzene | 9.25 | 91 | 901747 | 52.988 | ug/L | 100 |
| 53) m,p-Xylene | 9.37 | 106 | 345883 | 53.091 | ug/L | 98 |
| 54) o-xylene | 9.78 | 106 | 343605 | 52.975 | ug/L | 98 |
| 55) Styrene | 9.79 | 104 | 523340 | 49.734 | ug/L | 99 |
| 56) Isopropylbenzene | 10.16 | 105 | 891385 | 53.066 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.45 | 83 | 334505 | 51.882 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.49 | 75 | 253762 | 52.193 | ug/L | 100 |
| 61) Bromoform | 9.95 | 173 | 161718 | 50.866 | ug/L | 100 |
| 62) 1,3-Dichlorobenzene | 11.41 | 146 | 447703 | 53.632 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.50 | 146 | 453903 | 53.101 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.88 | 146 | 447532 | 52.558 | ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 12.65 | 75 | 67677 | 50.713 | ug/L | 96 |
| 67) 1,3,5-Trichlorobenzene | 12.88 | 180 | 344064 | 54.306 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.50 | 180 | 307316 | 54.371 | ug/L | 100 |
| 69) Naphthalene | 13.74 | 128 | 906268 | 51.884 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.98 | 180 | 312800 | 52.706 | ug/L | 99 |

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

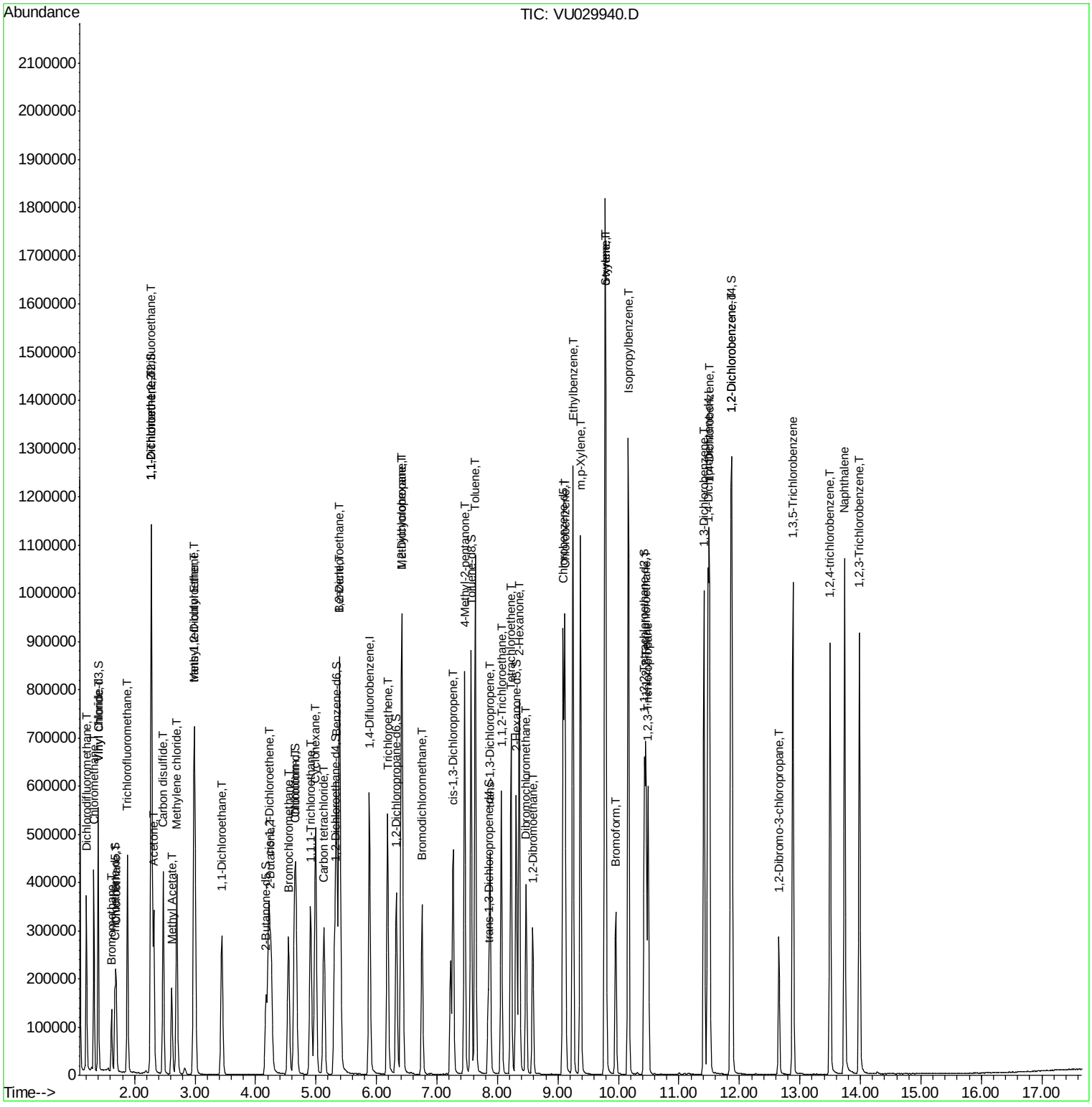
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031219\

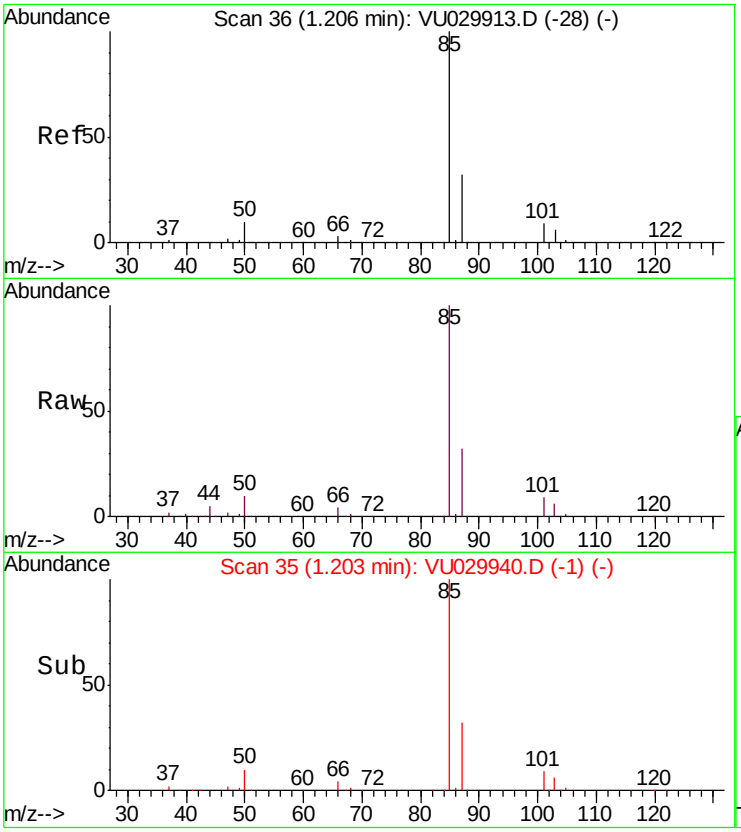
Quantitation Report (Not Reviewed)

Data File : VU029940.D
Acq On : 10 Mar 2019 11:42
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Quant Time: Mar 11 06:47:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 02:20:19 2019
Response via : Initial Calibration



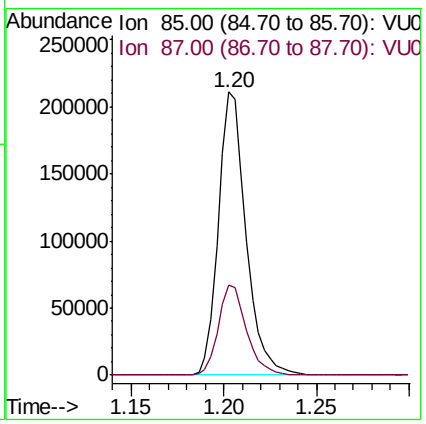


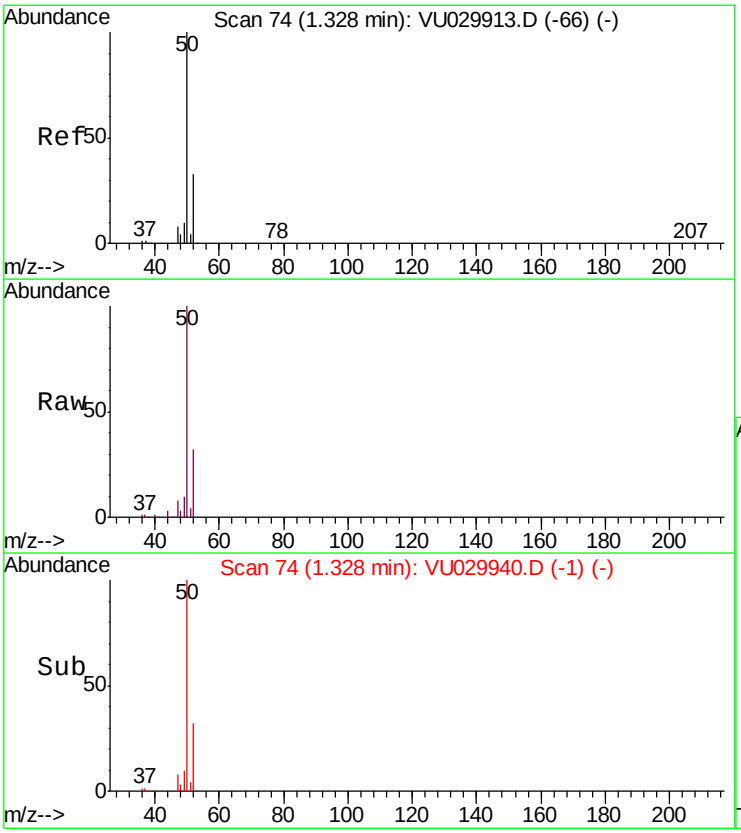

#2
Dichlorodifluoromethane
Concen: 52.813 ug/L
RT: 1.20 min Scan# 35
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 85 Resp: 217715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 25.8 | 38.8 |

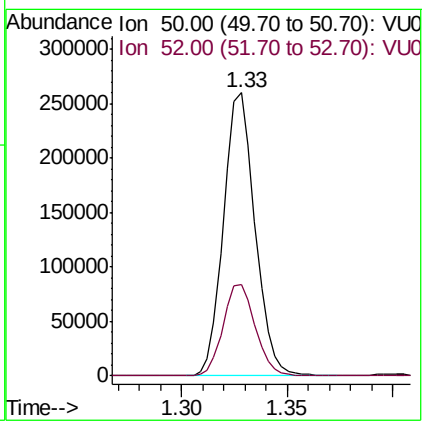


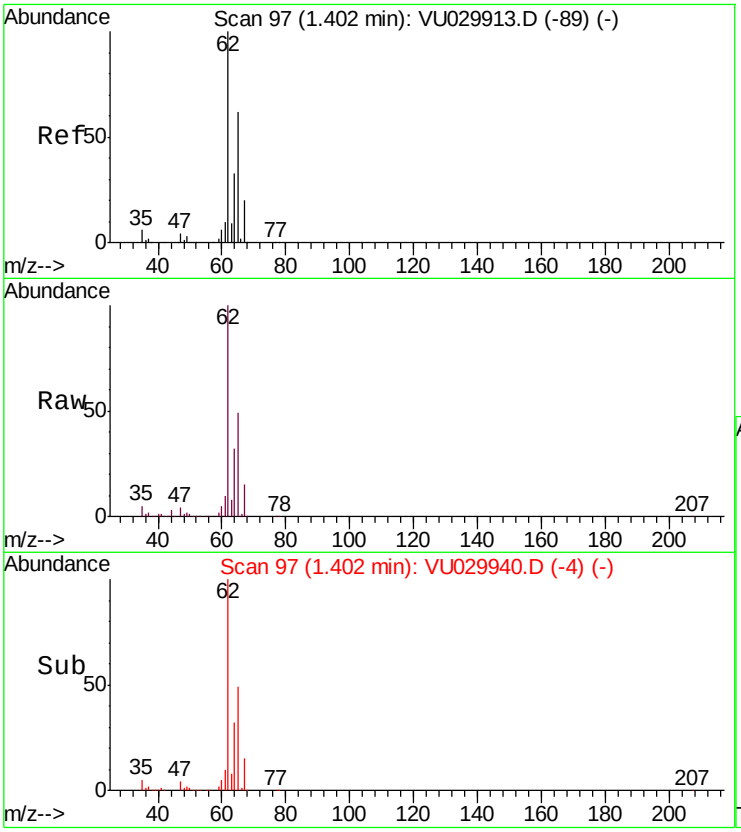




#3
Chloromethane
Concen: 49.900 ug/L
RT: 1.33 min Scan# 74
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 50 Resp: 269496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.4 | 23.1 | 42.9 |



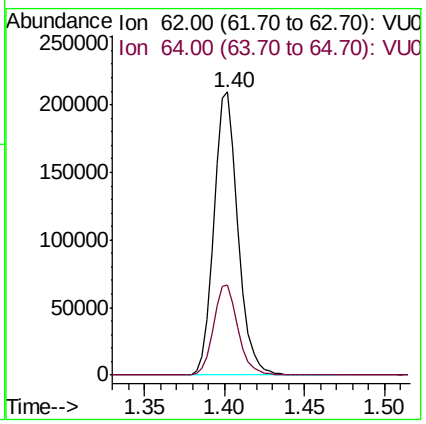


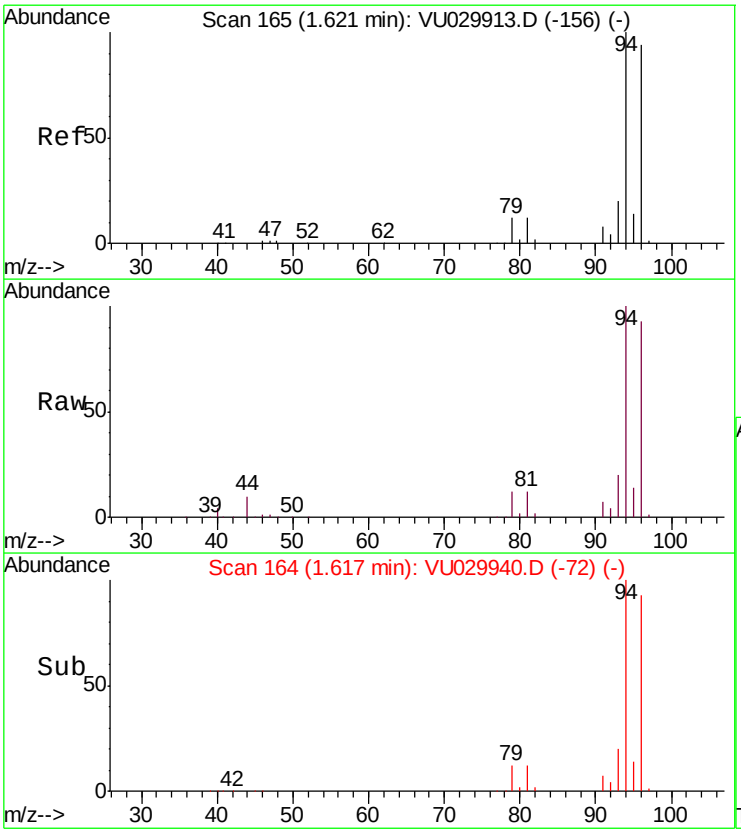

#5
Vinyl chloride
Concen: 52.050 ug/L
RT: 1.40 min Scan# 97
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 62 Resp: 217772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 23.1 | 42.9 |

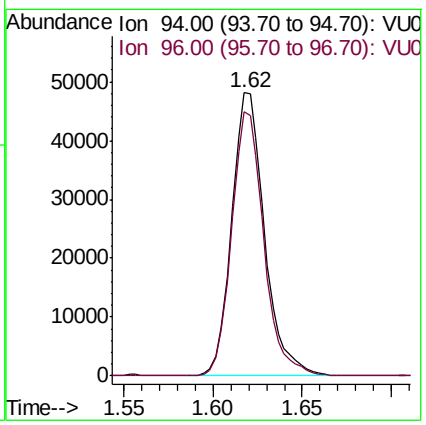


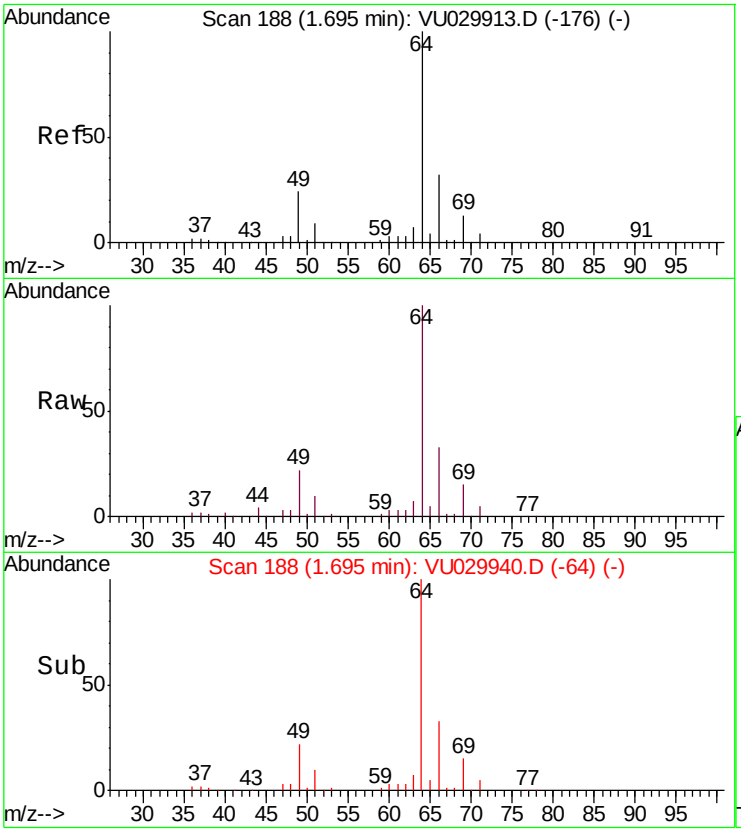




#6
Bromomethane
Concen: 55.518 ug/L
RT: 1.62 min Scan# 164
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 94 Resp: 61582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.1 | 65.7 | 121.9 |



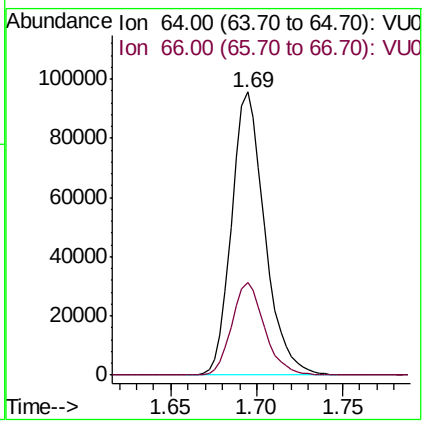


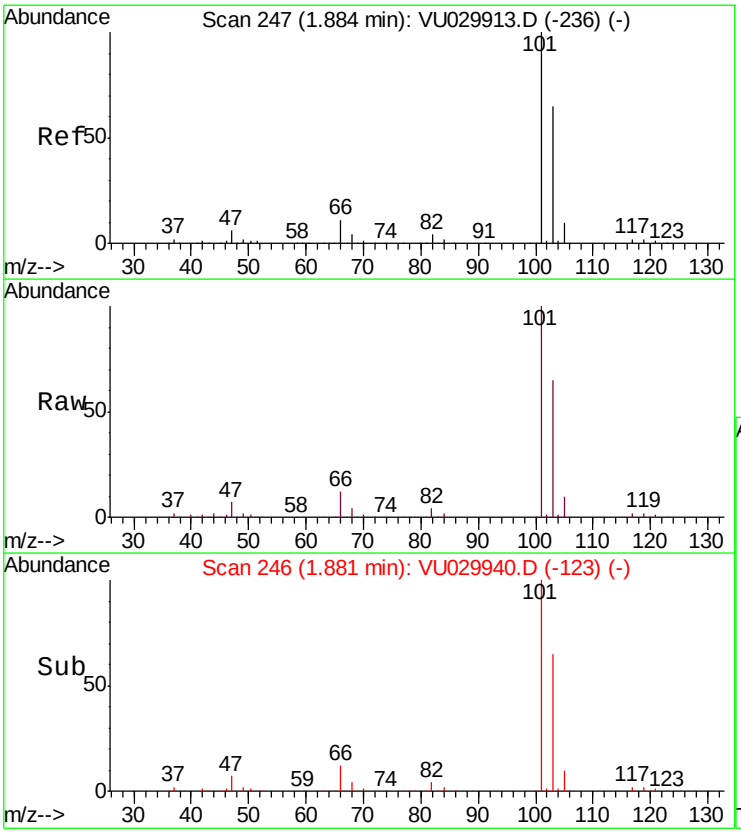

#8
Chloroethane
Concen: 50.137 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Tgt Ion: 64 Resp: 128303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.6 | 22.5 | 41.7 |

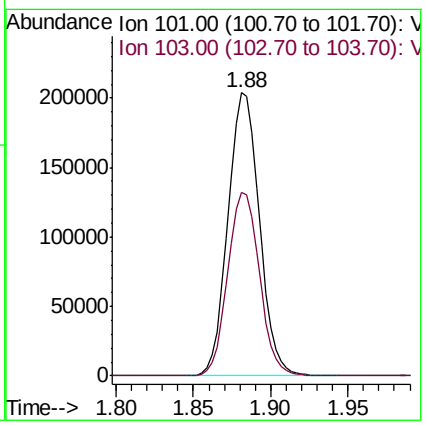


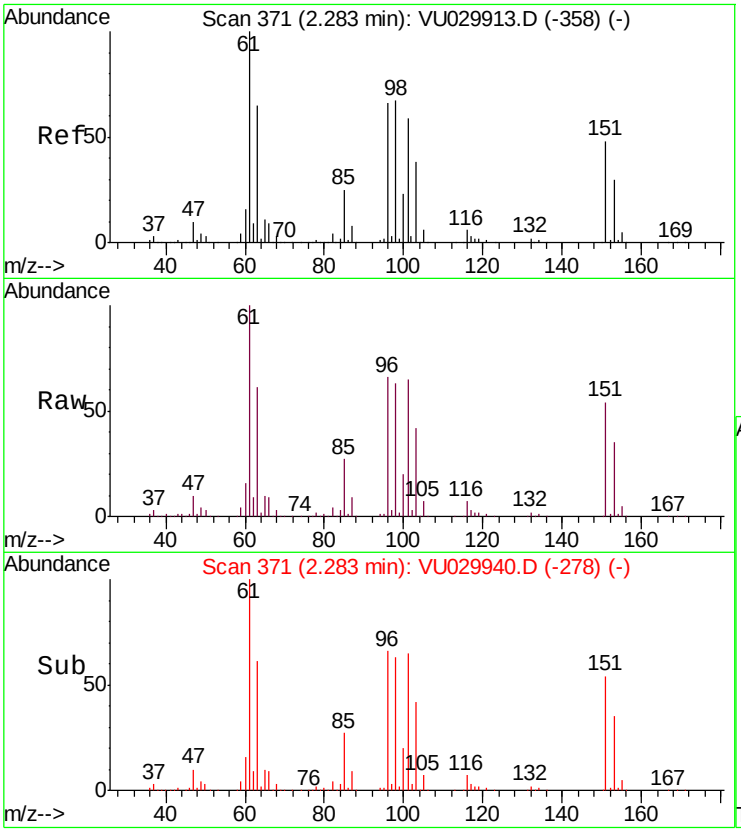




#9
Trichlorofluoromethane
Concen: 51.744 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:101 Resp: 286694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 51.4 | 77.2 |



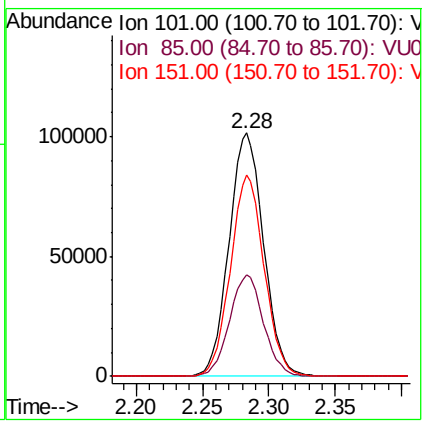


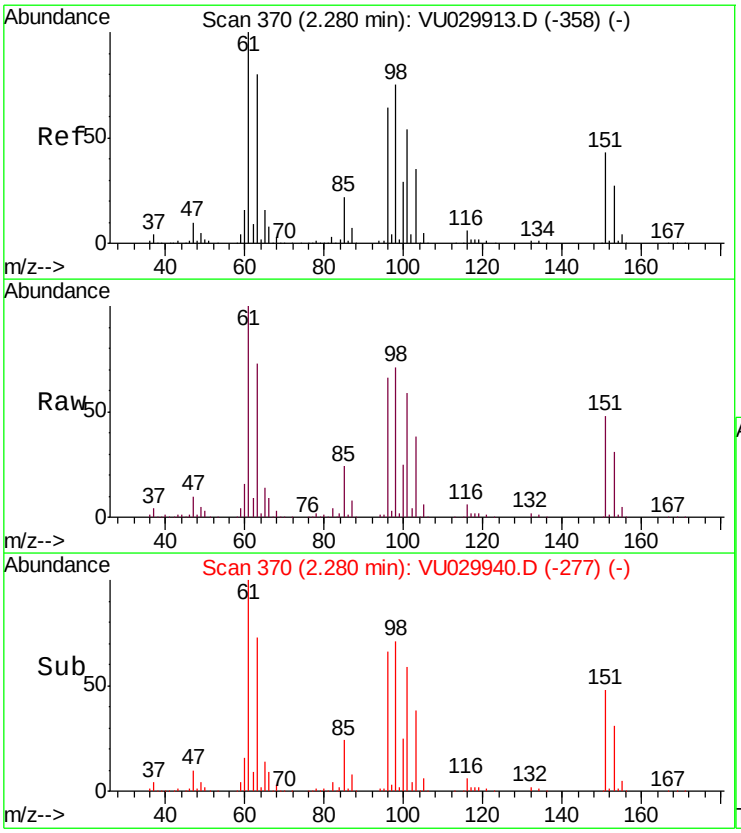

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 54.020 ug/L
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion:101 Resp: 184207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 40.9 | 33.4 | 50.2 |
| 151 | 80.6 | 65.8 | 98.6 |

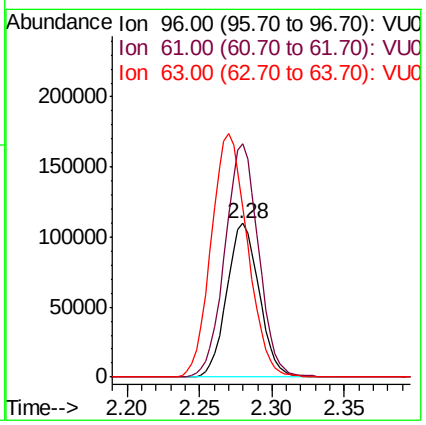


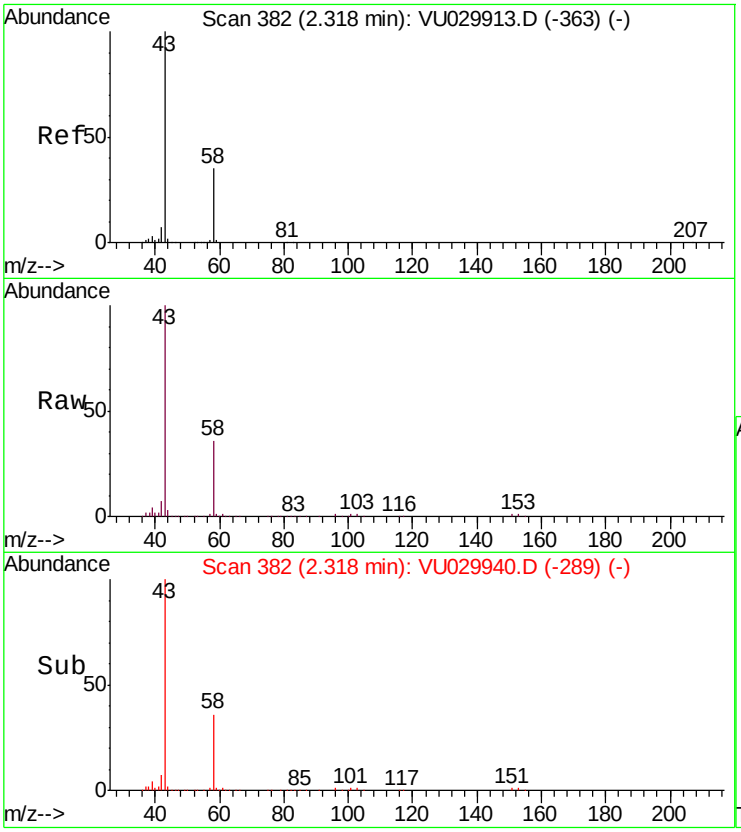




#12
1,1-Dichloroethene
Concen: 51.508 ug/L
RT: 2.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 96 Resp: 170451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.2 | 109.0 | 202.4 |
| 63 | 110.6 | 88.1 | 163.5 |



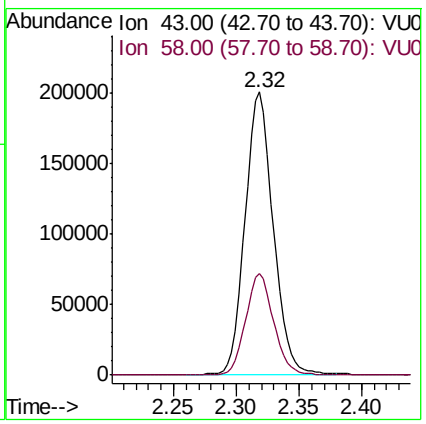


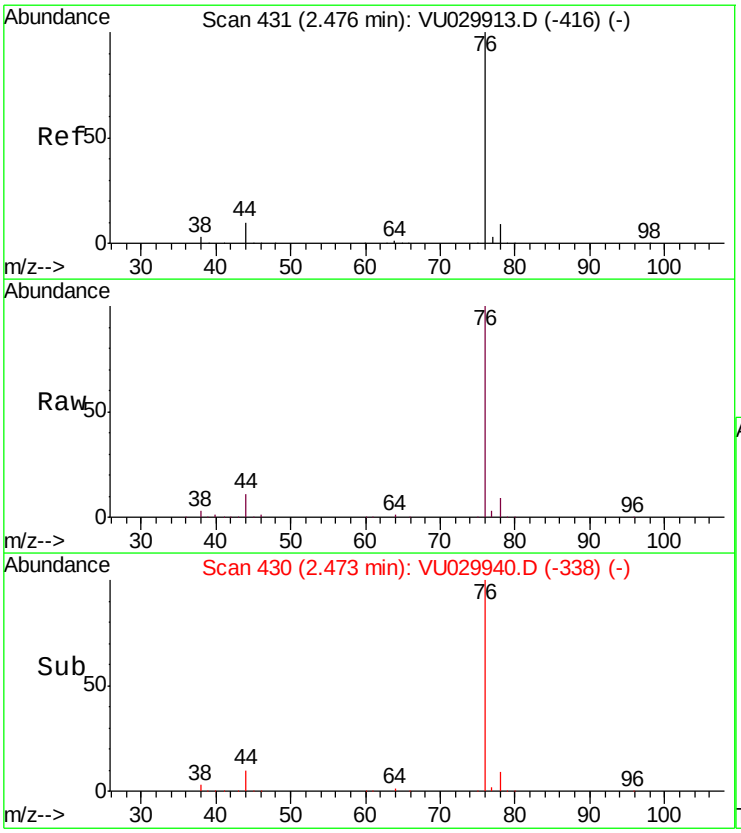

#13
Acetone
Concen: 114.049 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Tgt Ion: 43 Resp: 314642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.0 | 0.0 | 70.2 |

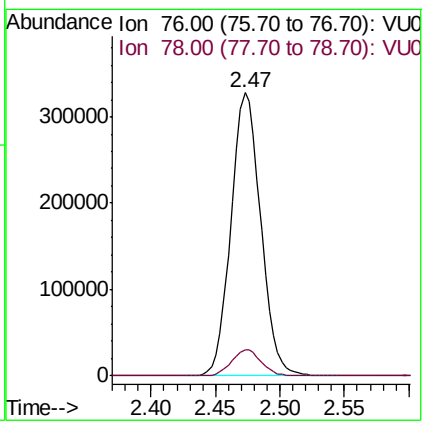


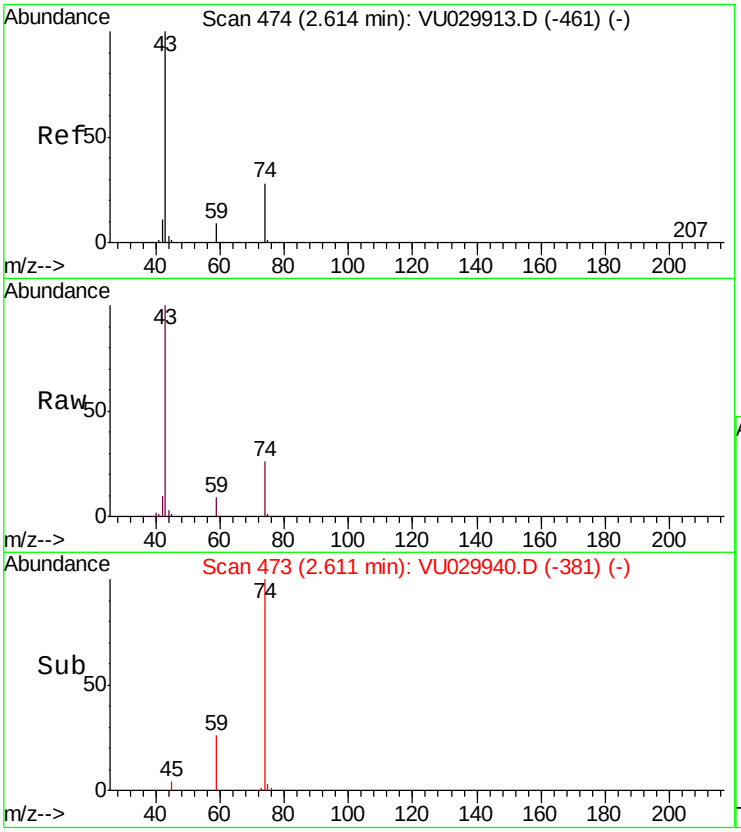




#14
Carbon disulfide
Concen: 50.943 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 76 Resp: 525414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.5 | 11.3 |



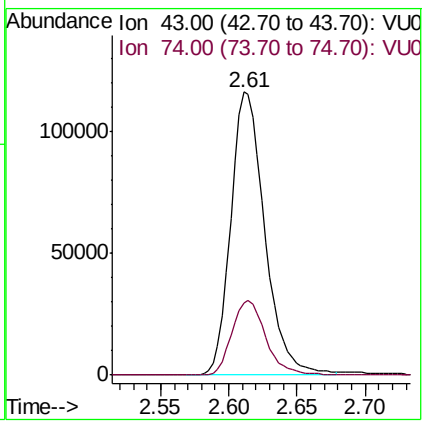


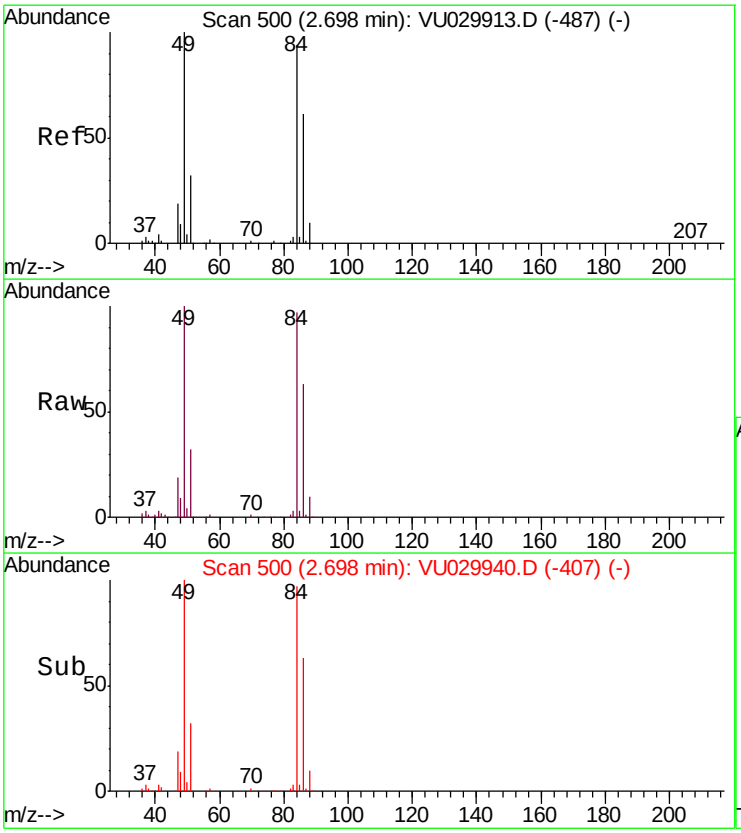

#15
Methyl Acetate
Concen: 52.625 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Tgt Ion: 43 Resp: 200440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.3 | 22.1 | 33.1 |

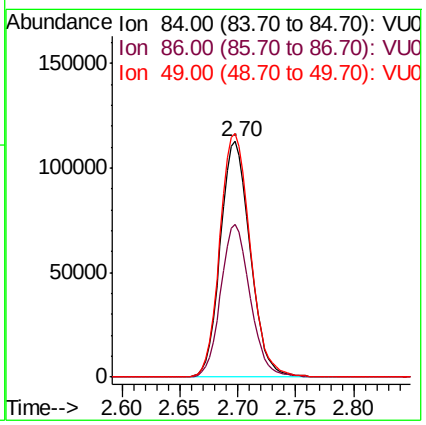


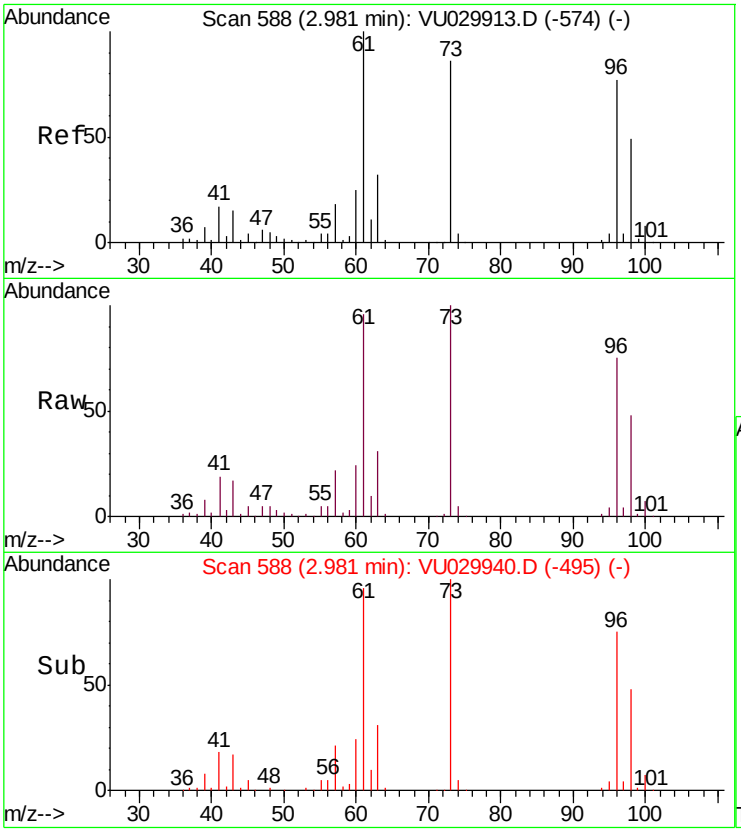




#16
Methylene chloride
Concen: 51.736 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 84 Resp: 200732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.1 | 45.3 | 84.1 |
| 49 | 103.4 | 74.8 | 139.0 |



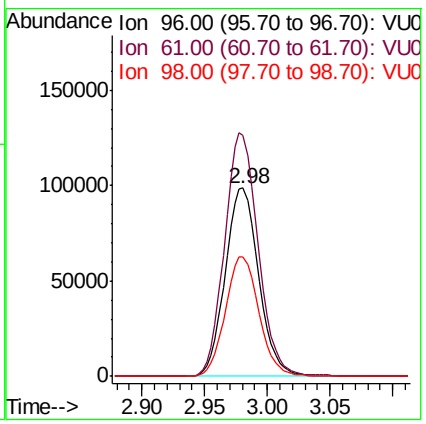


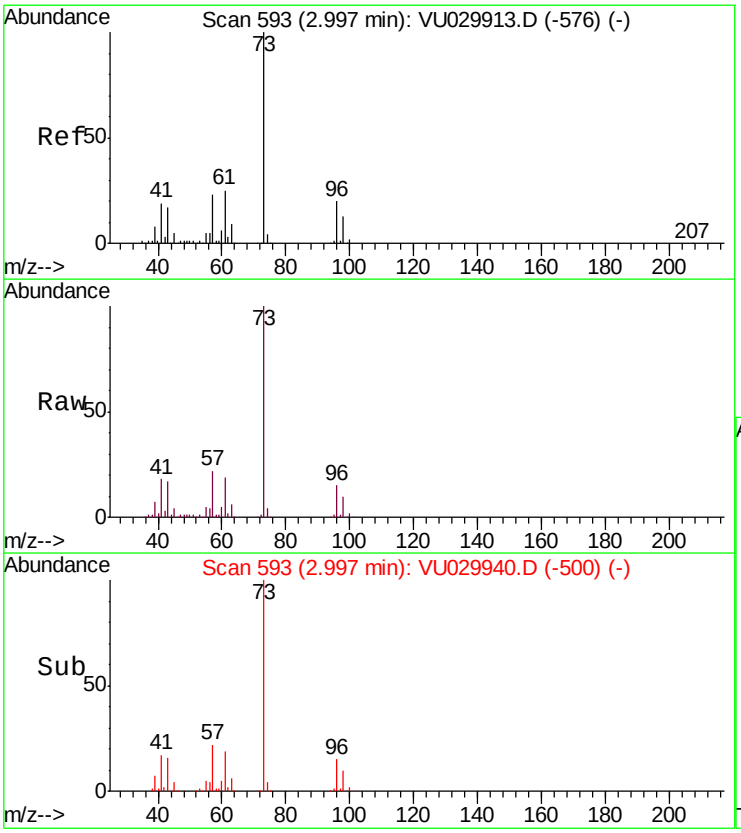

#17
trans-1,2-Dichloroethene
Concen: 52.192 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 96 Resp: 183105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 127.8 | 91.1 | 169.3 |
| 98 | 63.6 | 45.0 | 83.6 |

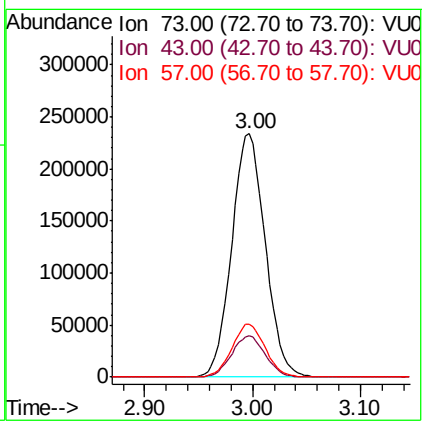


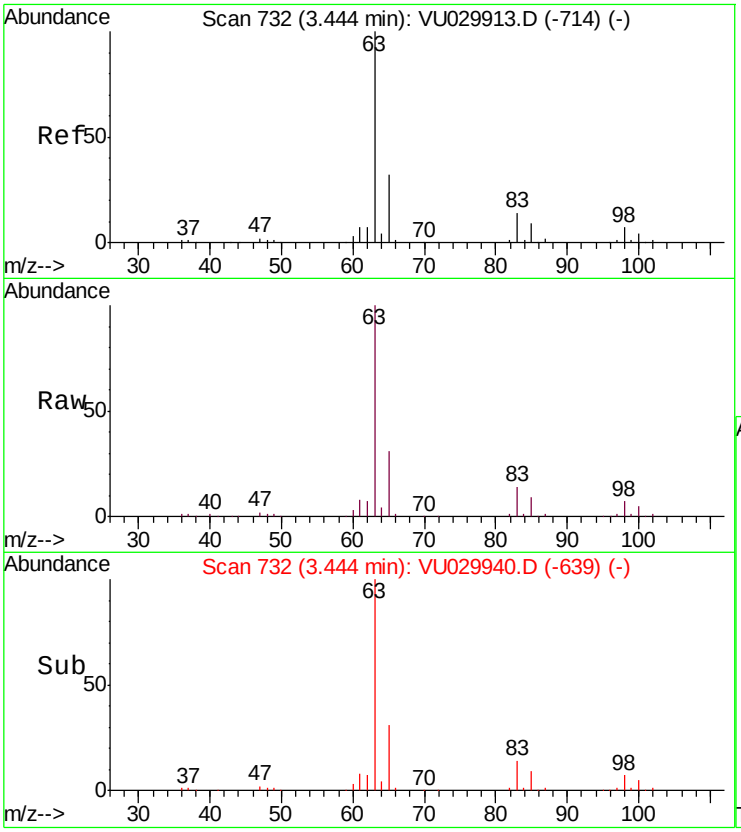




#18
Methyl tert-butyl Ether
Concen: 57.772 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 73 Resp: 507341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 16.9 | 13.5 | 20.3 |
| 57 | 21.6 | 17.4 | 26.0 |



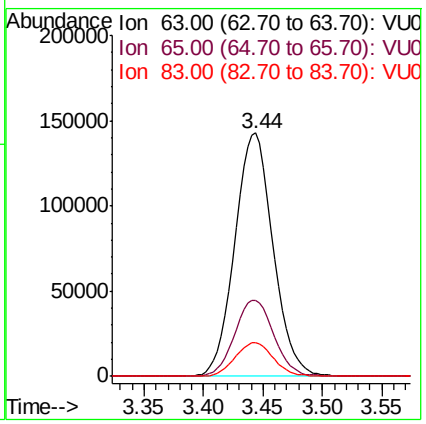


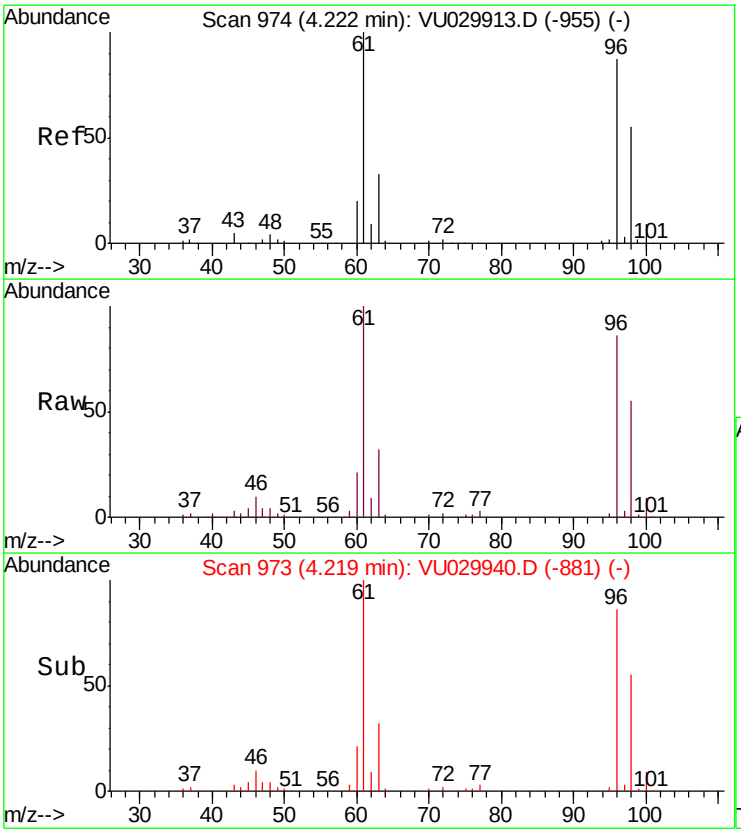

#19
1,1-Dichloroethane
Concen: 52.687 ug/L
RT: 3.44 min Scan# 732
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 63 Resp: 318731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 22.4 | 41.6 |
| 83 | 13.8 | 9.7 | 18.1 |

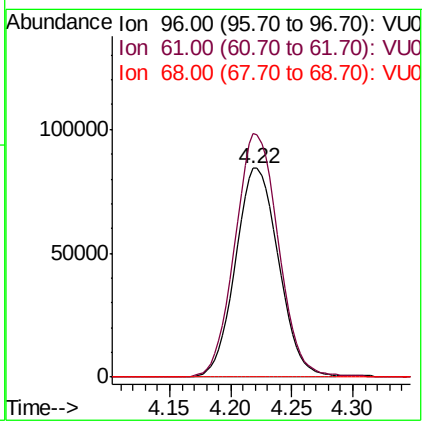


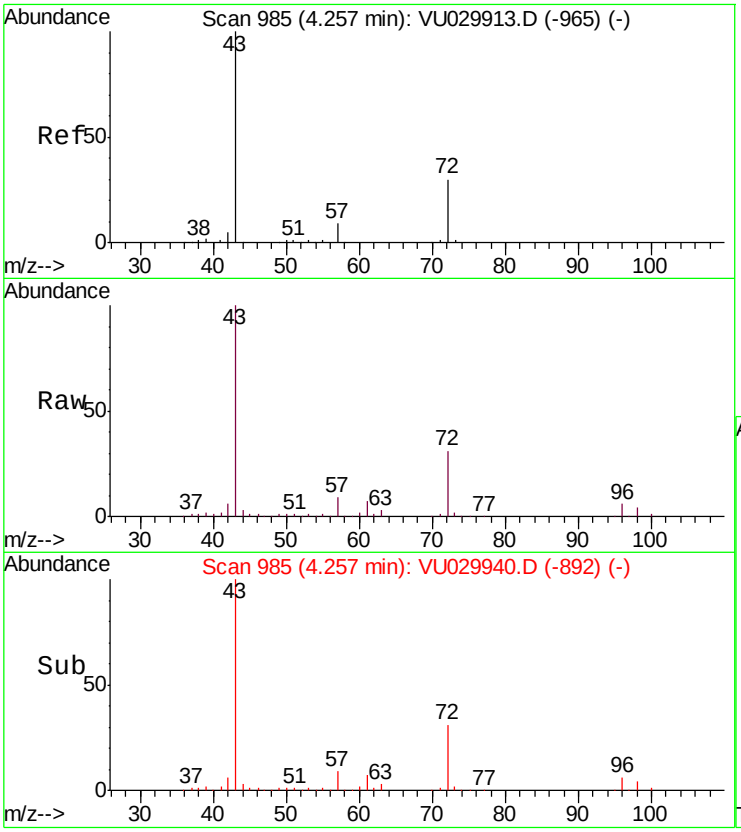




#20
cis-1,2-Dichloroethene
Concen: 51.710 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 96 Resp: 207000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 116.6 | 80.6 | 149.8 |
| 68 | 0.0 | 0.0 | 0.0 |



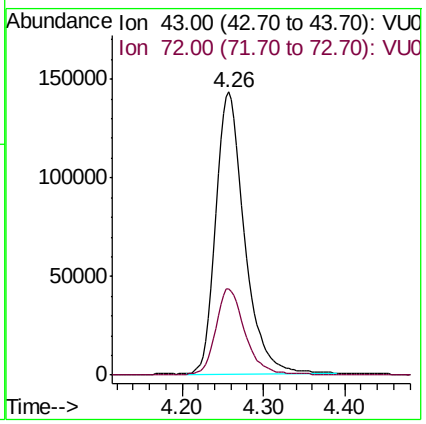


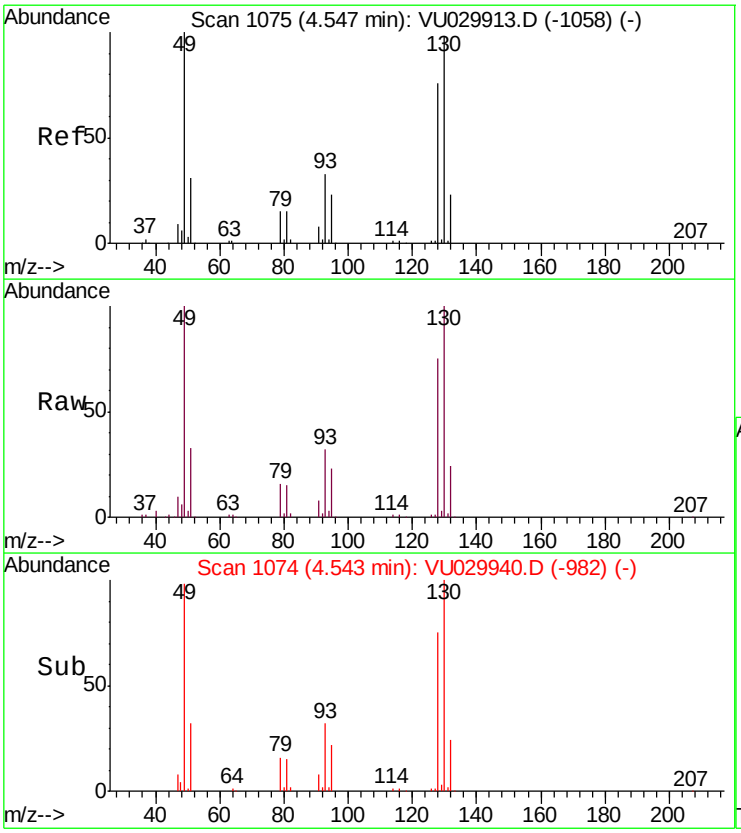

#22
2-Butanone
Concen: 113.179 ug/L
RT: 4.26 min Scan# 985
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 43 Resp: 357424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 31.2 | 15.4 | 46.4 |

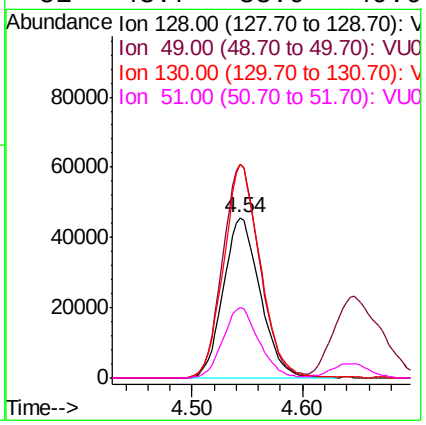


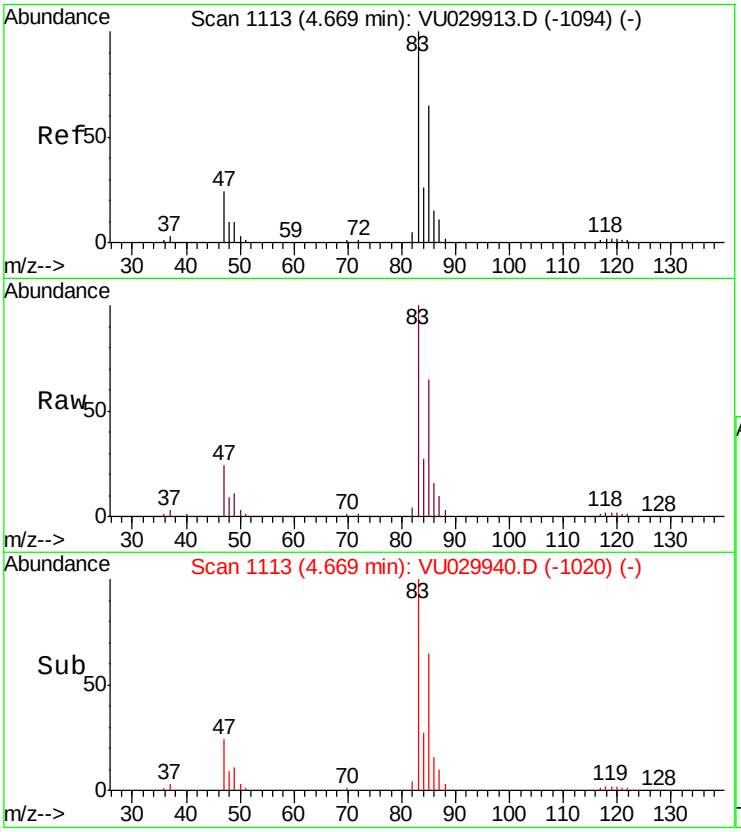




#23
Bromochloromethane
Concen: 52.625 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:128 Resp: 105901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 133.0 | 92.2 | 171.2 |
| 130 | 132.9 | 90.4 | 168.0 |
| 51 | 43.7 | 33.0 | 49.6 |



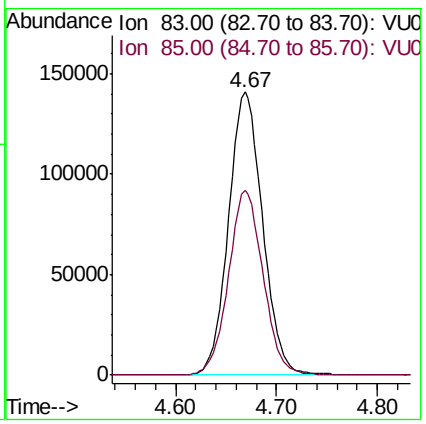


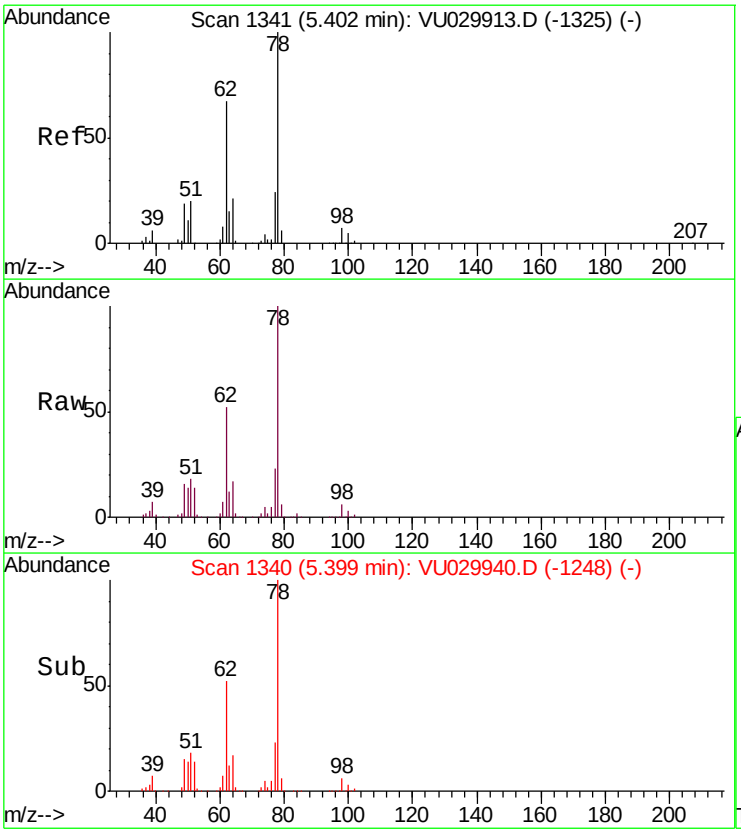

#25
Chloroform
Concen: 50.876 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 83 Resp: 331188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 45.3 | 84.1 |

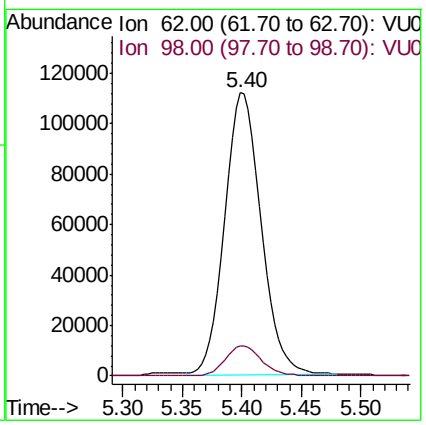


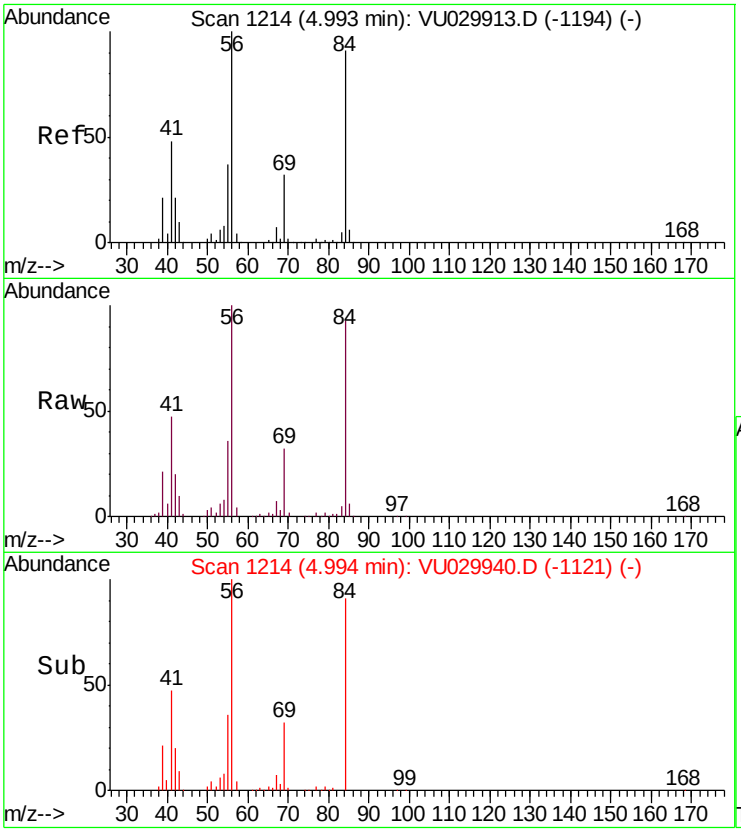




#27
1,2-Dichloroethane
Concen: 51.270 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 62 Resp: 237366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.7 | 8.6 | 12.8 |



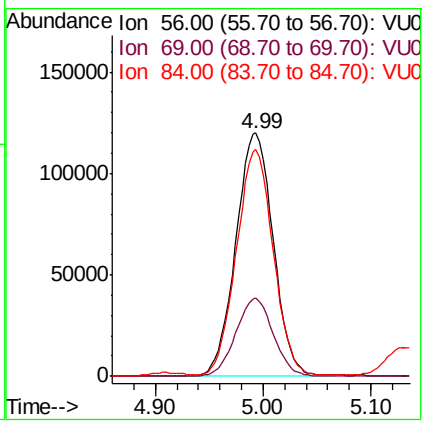


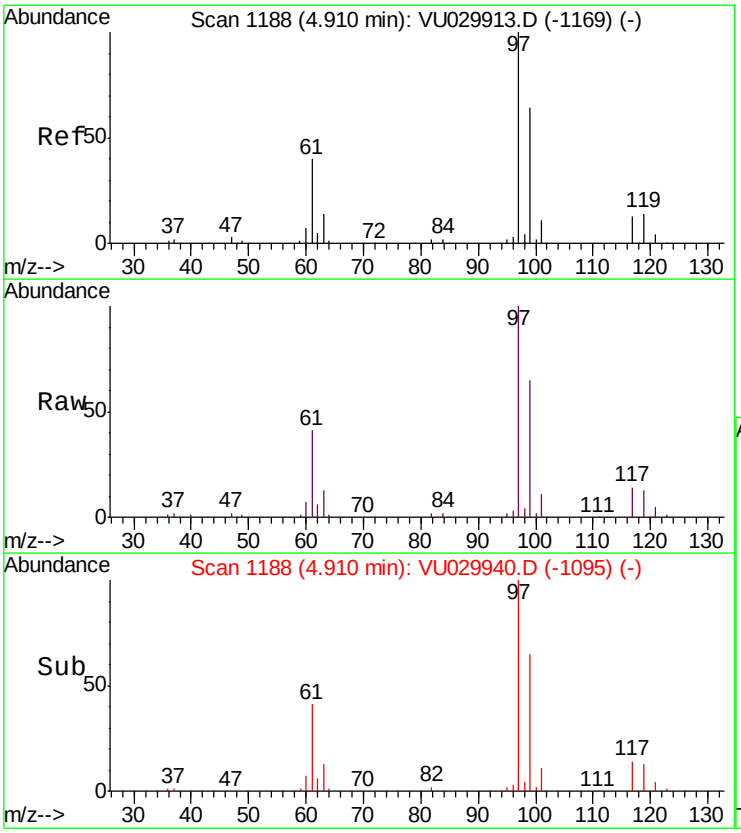

#29
Cyclohexane
Concen: 53.693 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 56 Resp: 289676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.0 | 25.4 | 38.0 |
| 84 | 92.2 | 73.0 | 109.6 |

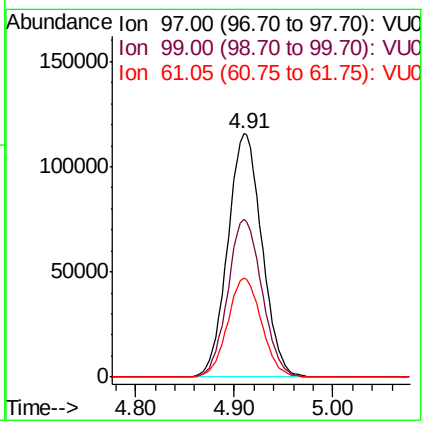


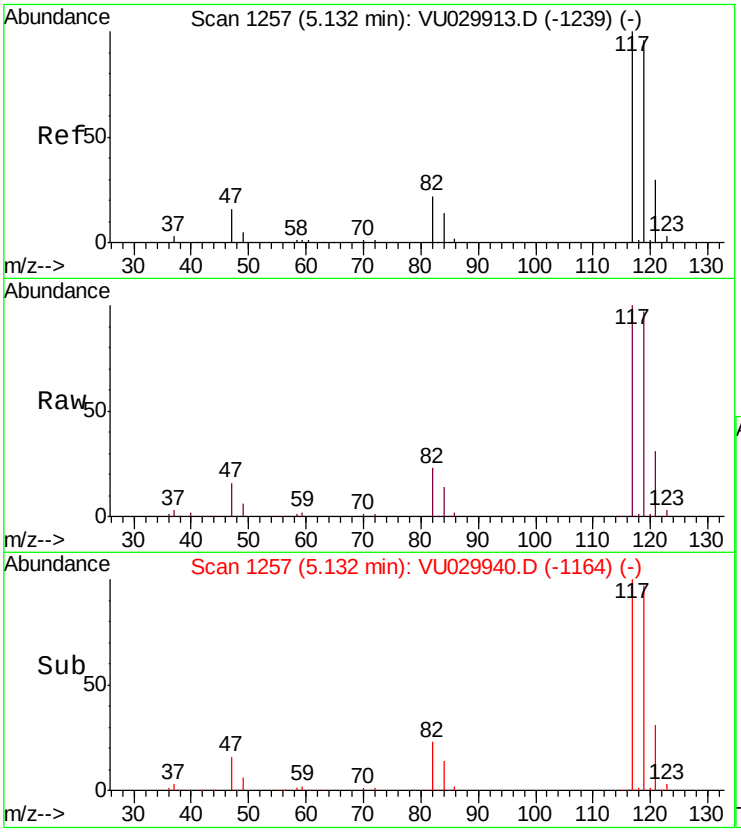




#30
1,1,1-Trichloroethane
Concen: 52.687 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 97 Resp: 279622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 51.4 | 77.0 |
| 61 | 40.4 | 32.2 | 48.2 |



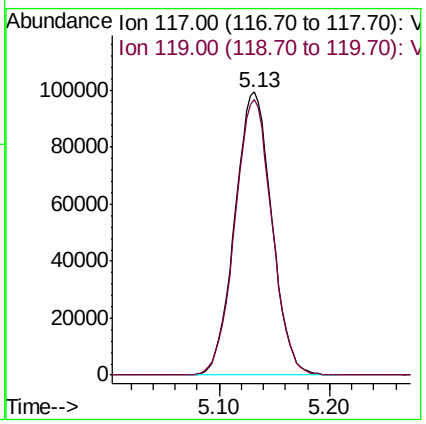


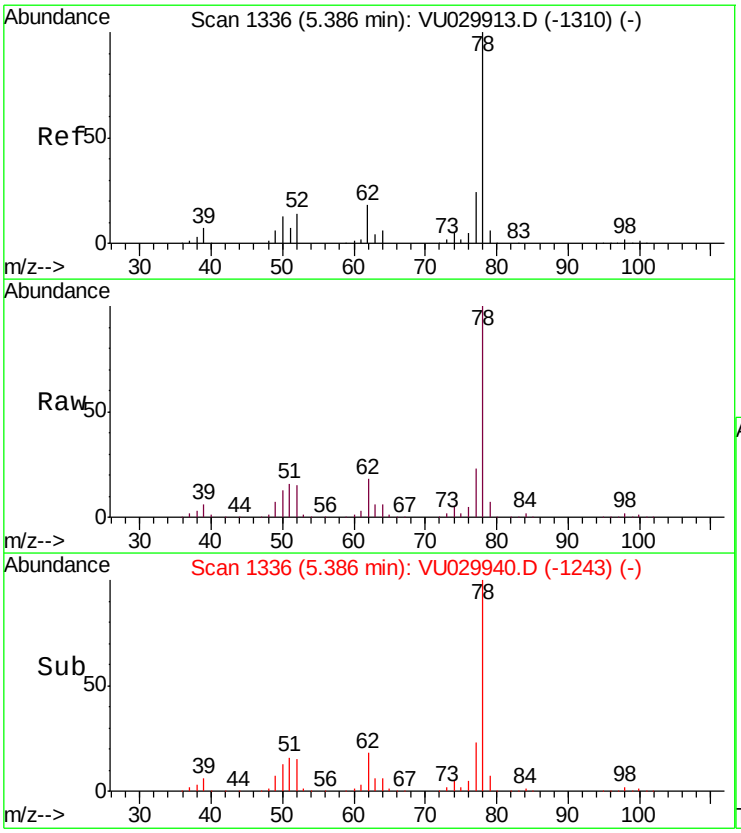

#31
Carbon tetrachloride
Concen: 49.226 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion:117 Resp: 230688

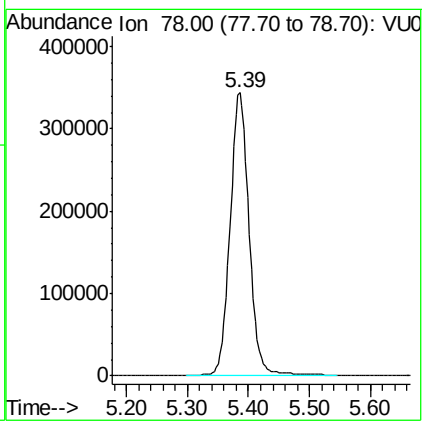
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.7 | 76.9 | 115.3 |

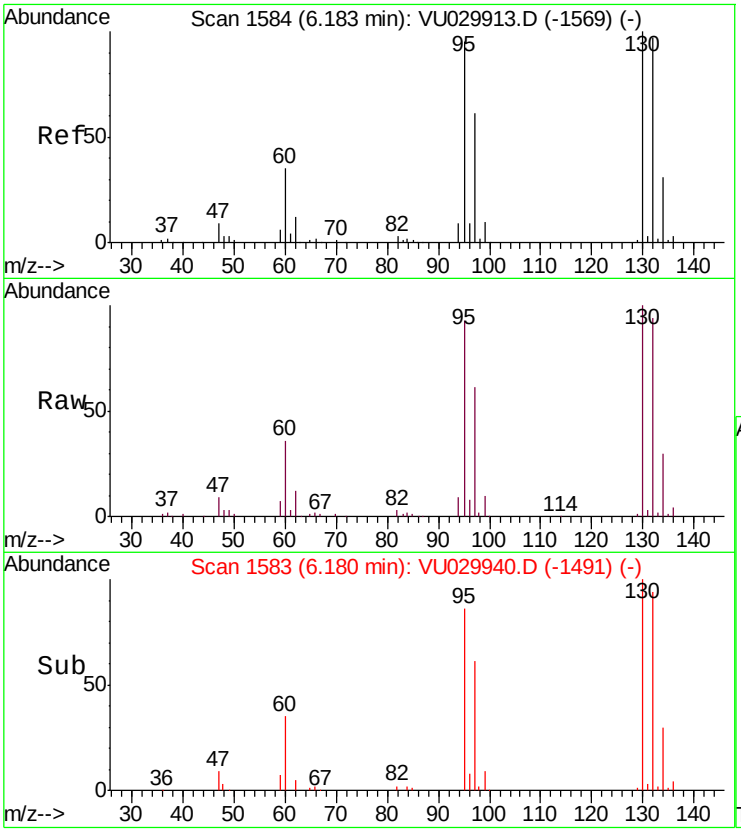



#33
Benzene
Concen: 53.307 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 78 Resp: 750284



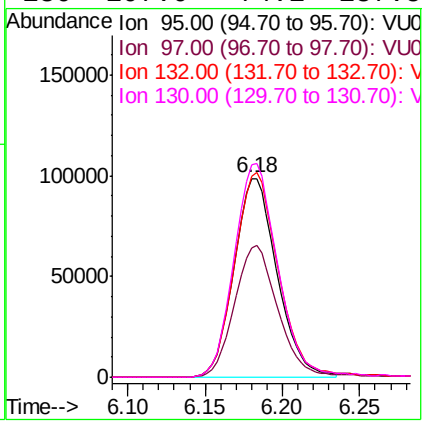


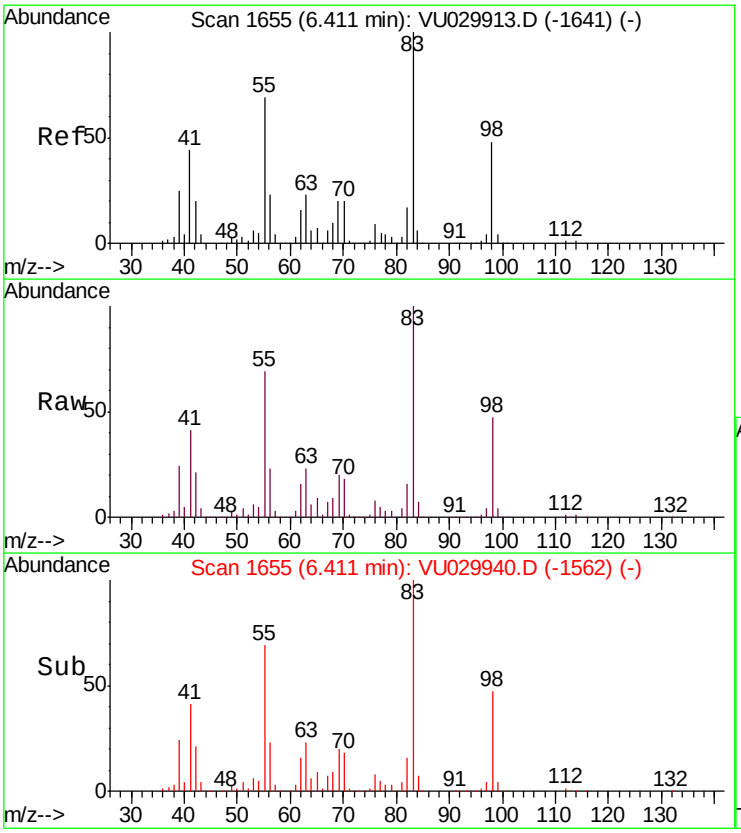

#34
Trichloroethene
Concen: 50.303 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 95 Resp: 190810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.2 | 45.1 | 83.7 |
| 132 | 101.1 | 72.0 | 133.6 |
| 130 | 107.0 | 74.1 | 137.5 |

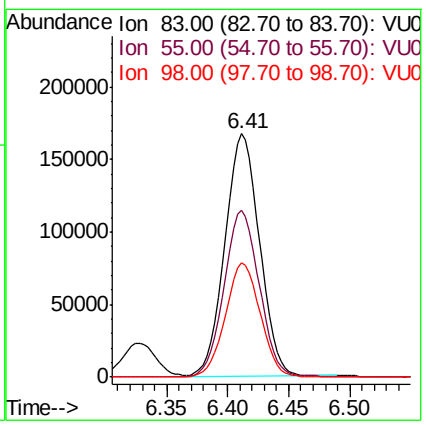


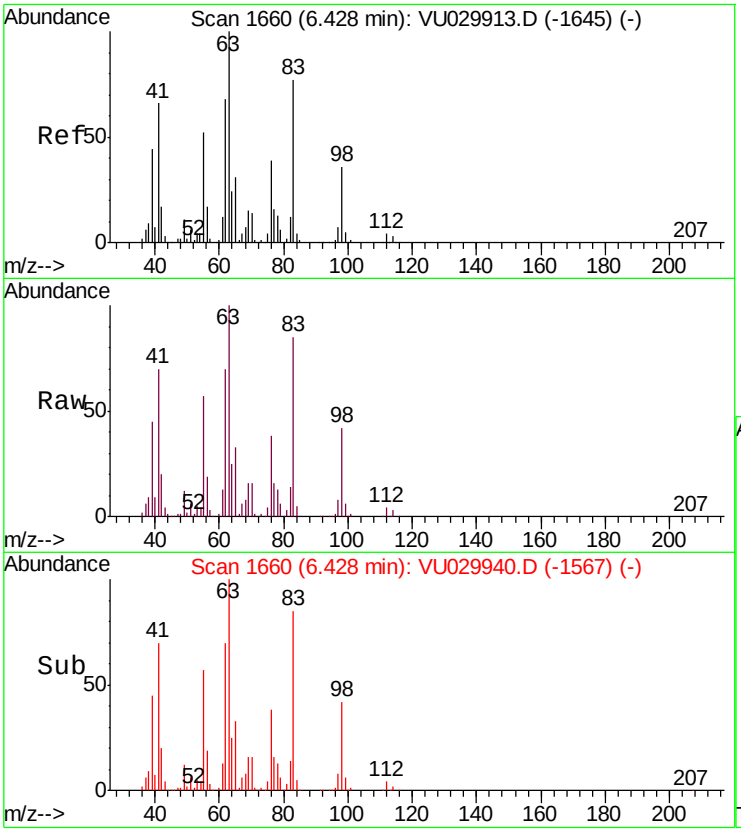




#35
Methylcyclohexane
Concen: 54.941 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 83 Resp: 332553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 69.3 | 55.5 | 83.3 |
| 98 | 47.0 | 37.6 | 56.4 |



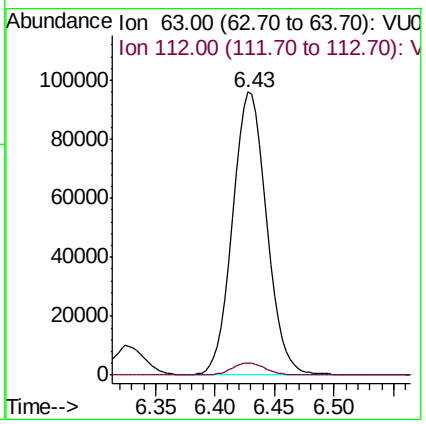


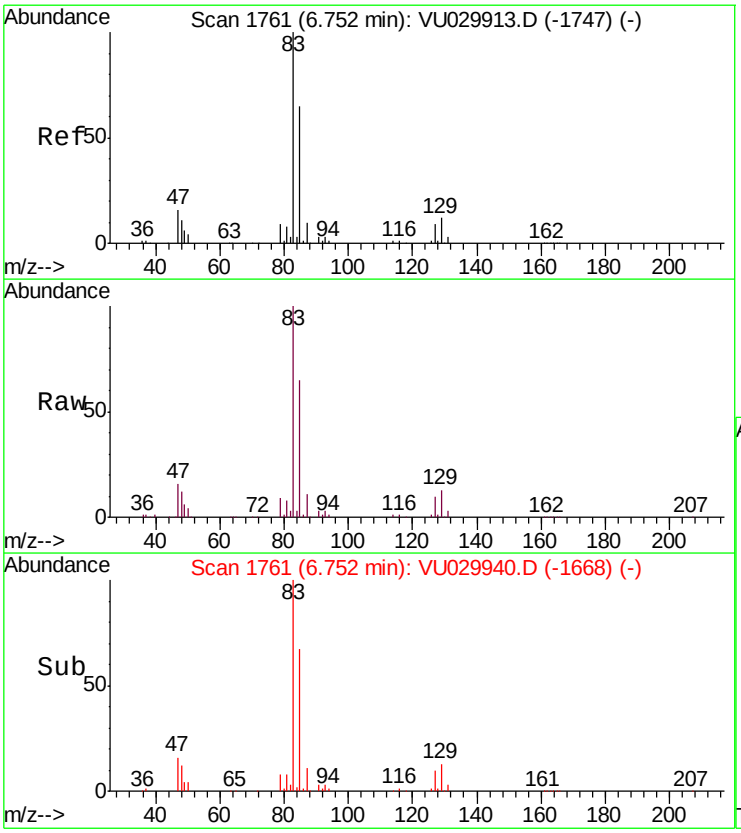

#37
1,2-Dichloropropane
Concen: 51.988 ug/L
RT: 6.43 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Tgt Ion: 63 Resp: 190685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.2 | 3.4 | 5.0 |

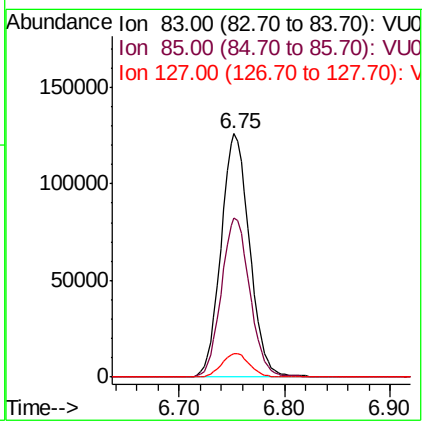


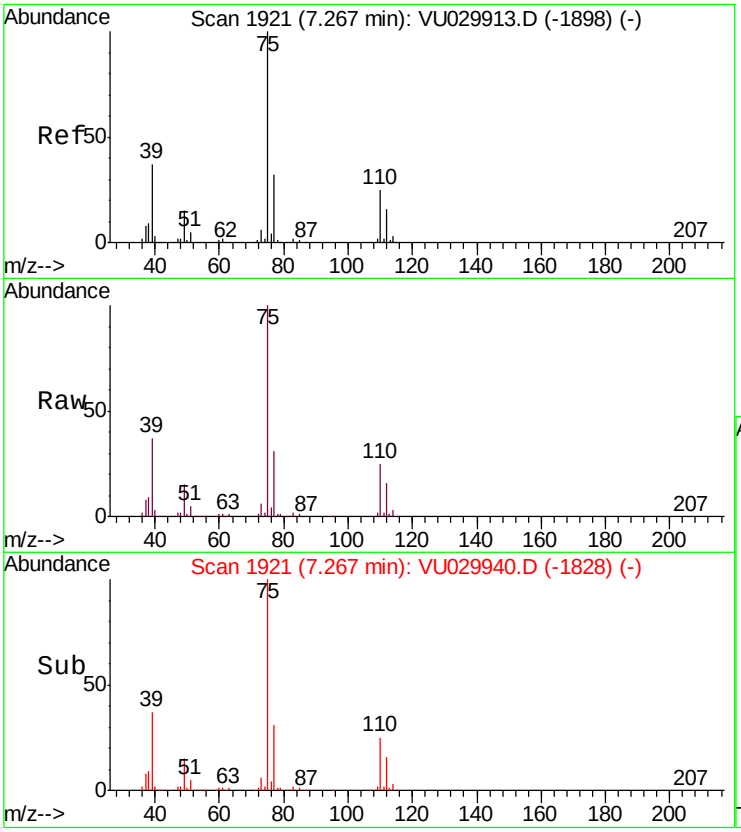




#38
Bromodichloromethane
Concen: 50.950 ug/L
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 83 Resp: 233951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 45.2 | 84.0 |
| 127 | 9.9 | 7.4 | 11.0 |



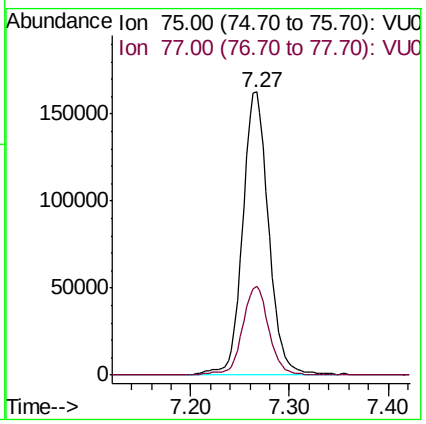


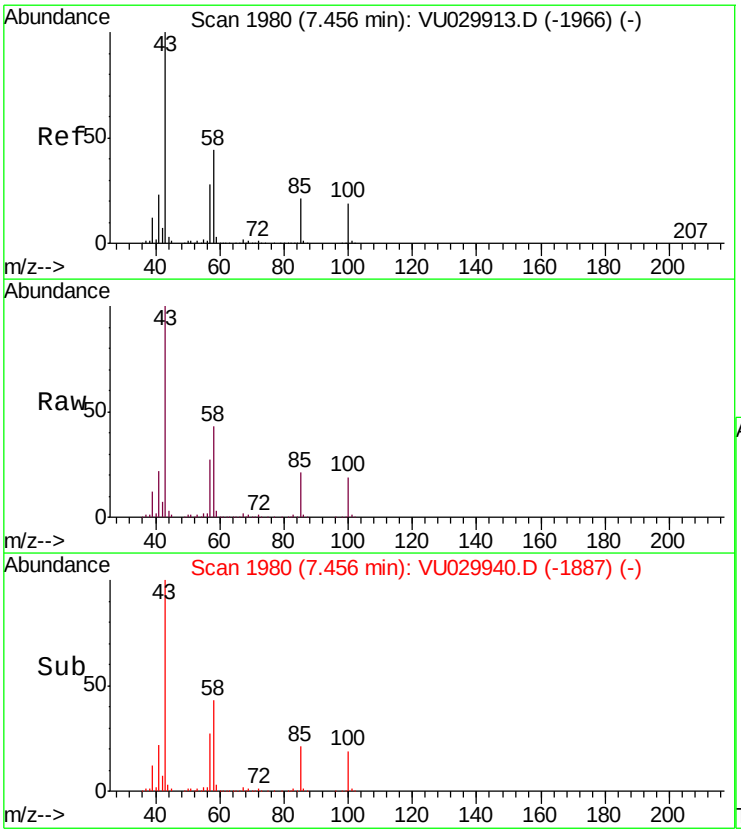

#39
cis-1,3-Dichloropropene
Concen: 52.881 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 75 Resp: 295190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 22.5 | 41.9 |

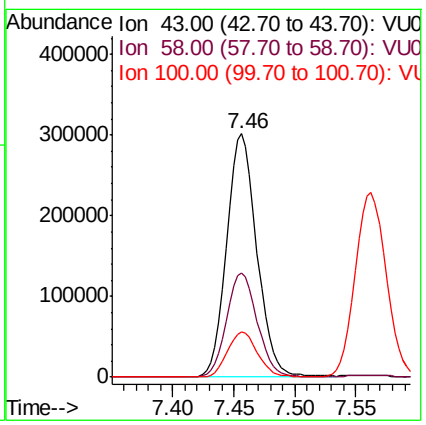


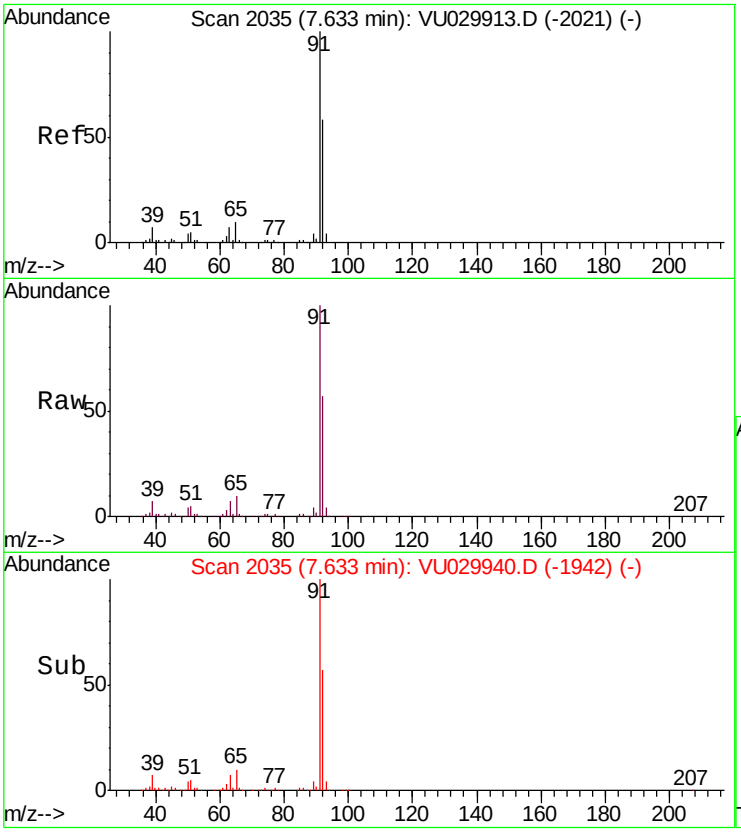




#40
4-Methyl-2-pentanone
Concen: 106.863 ug/L
RT: 7.46 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 43 Resp: 522651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 43.5 | 35.0 | 52.6 |
| 100 | 18.5 | 14.8 | 22.2 |



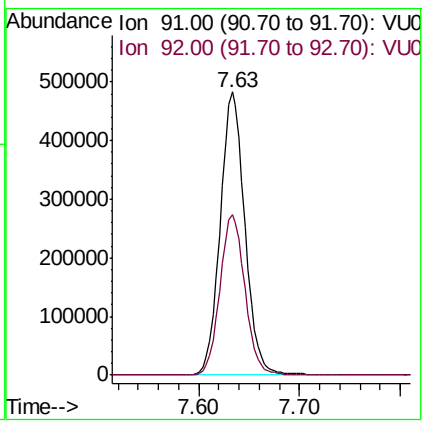


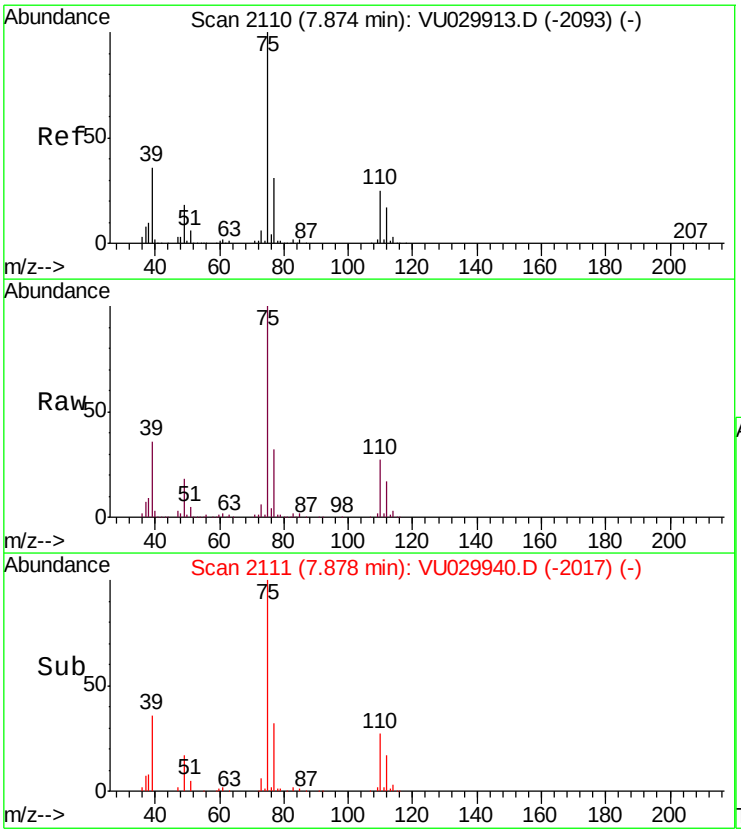

#42
Toluene
Concen: 53.770 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 91 Resp: 827292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.5 | 40.5 | 75.1 |

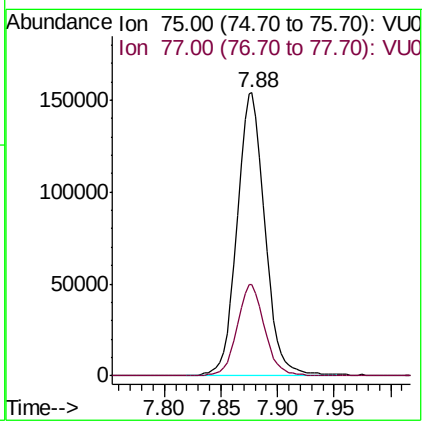


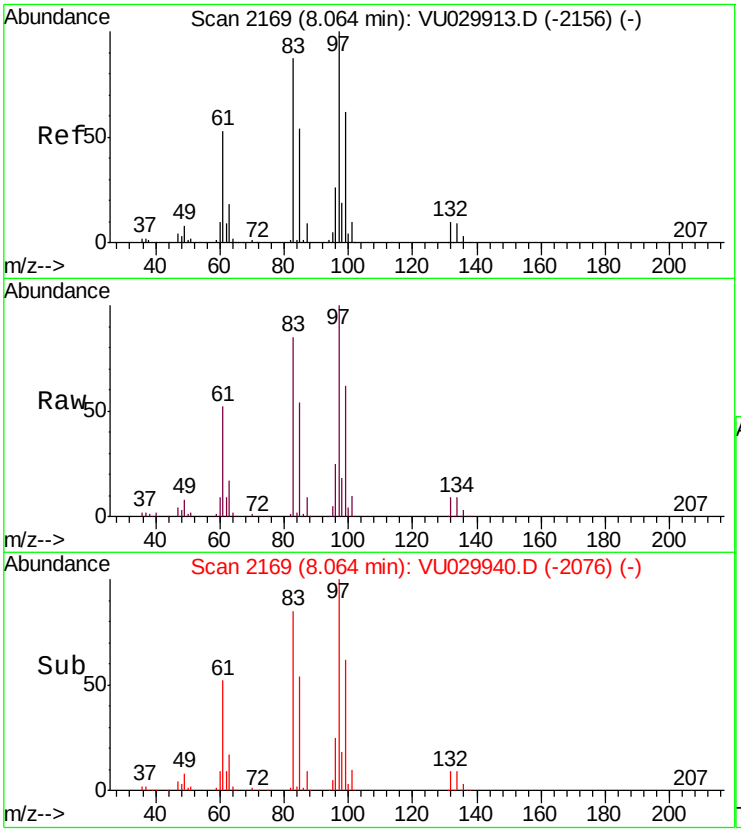




#44
trans-1,3-Dichloropropene
Concen: 53.273 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 75 Resp: 264931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 21.8 | 40.6 |



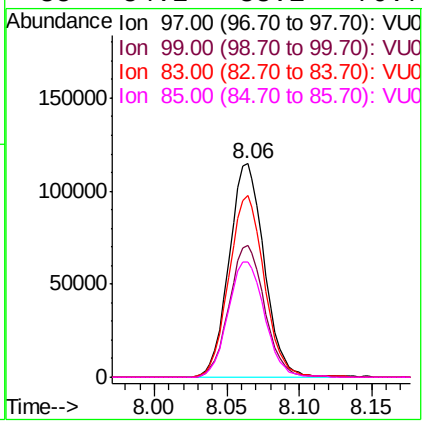


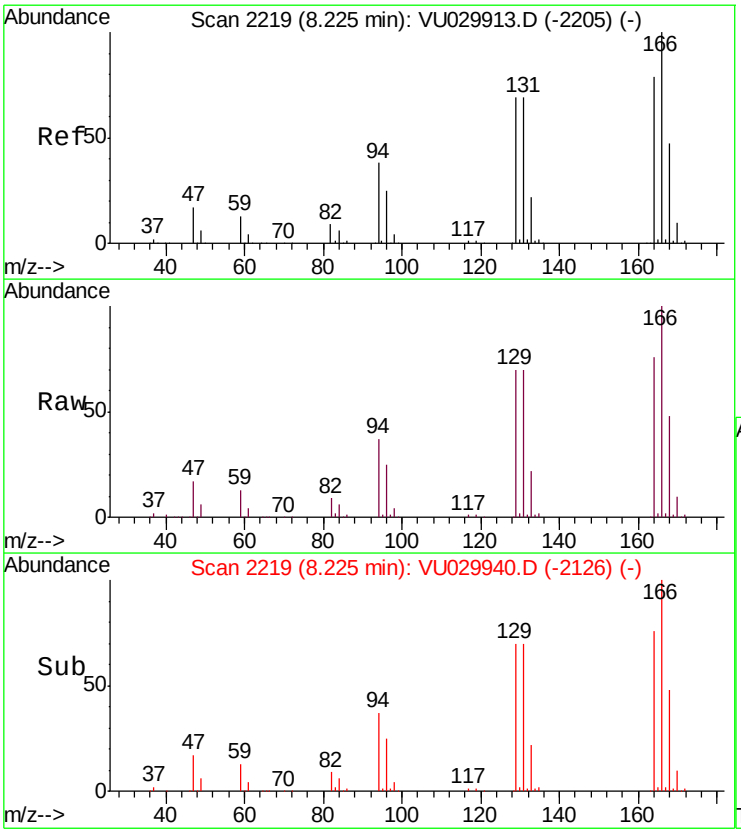

#45
1,1,2-Trichloroethane
Concen: 51.866 ug/L
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 97 Resp: 193115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 61.8 | 43.7 | 81.1 |
| 83 | 85.0 | 60.8 | 112.8 |
| 85 | 54.2 | 38.1 | 70.7 |

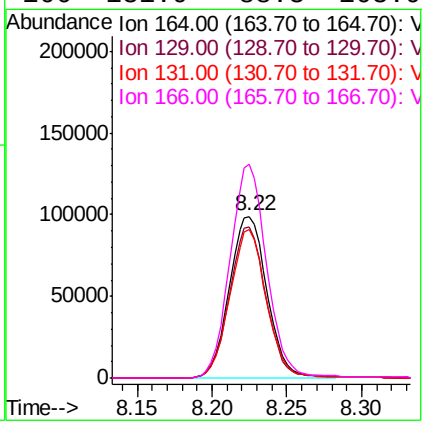


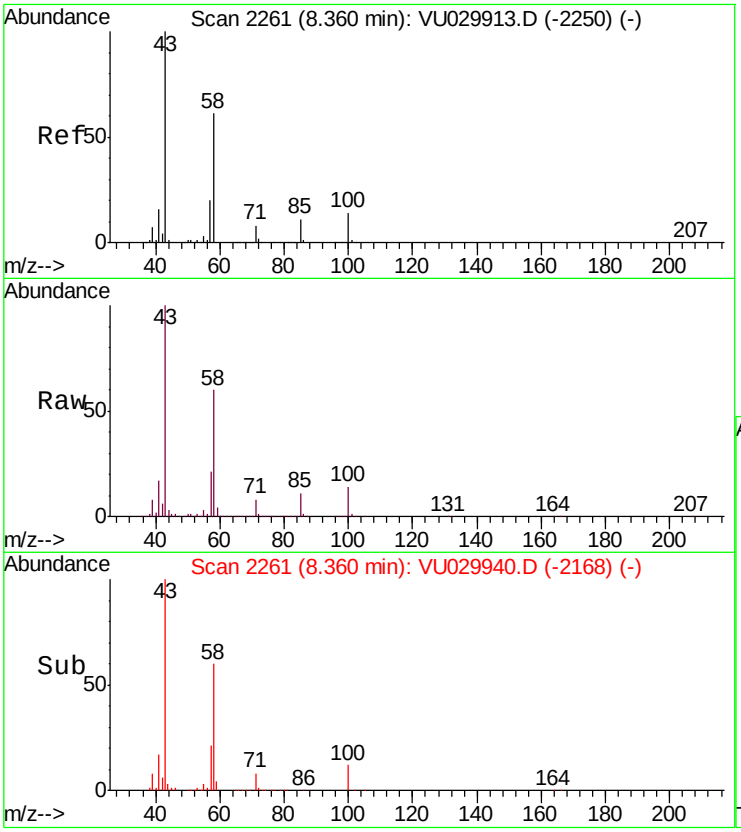




#46
Tetrachloroethene
Concen: 53.061 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:164 Resp: 173343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 93.0 | 61.0 | 113.2 |
| 131 | 92.0 | 60.5 | 112.3 |
| 166 | 131.9 | 88.3 | 163.9 |



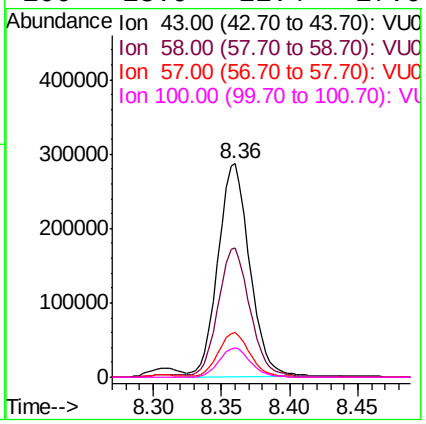


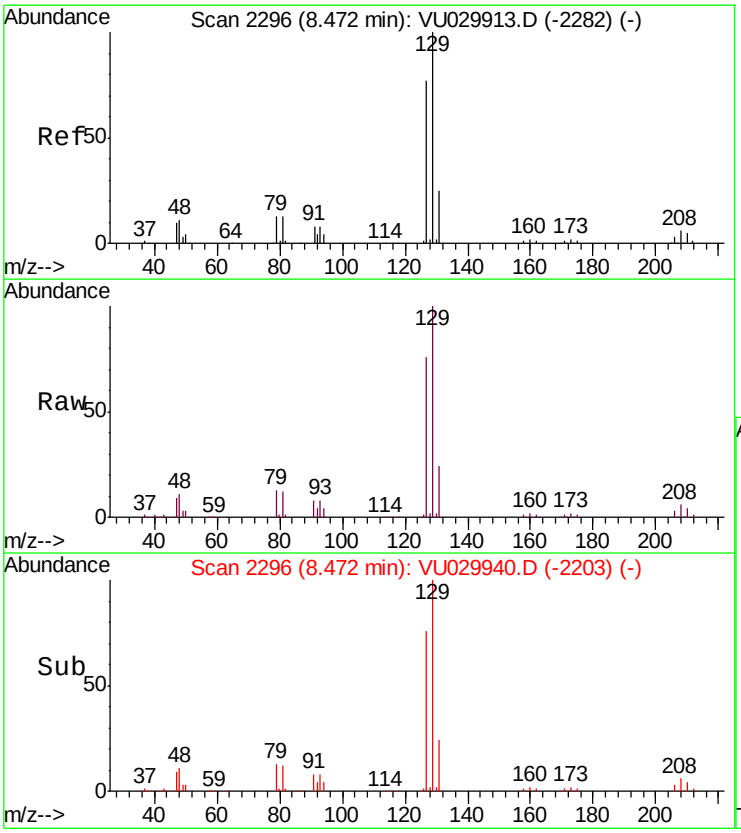

#48
2-Hexanone
Concen: 111.936 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Tgt Ion: 43 Resp: 462808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 60.7 | 49.2 | 73.8 |
| 57 | 21.3 | 16.6 | 25.0 |
| 100 | 13.9 | 11.4 | 17.0 |

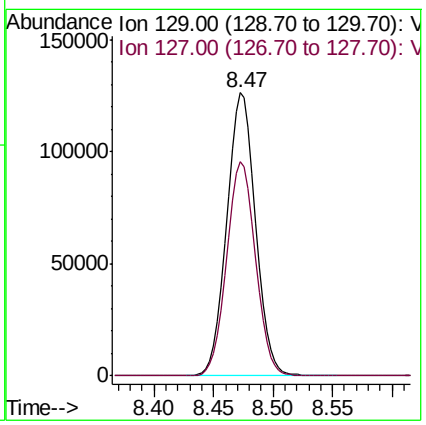


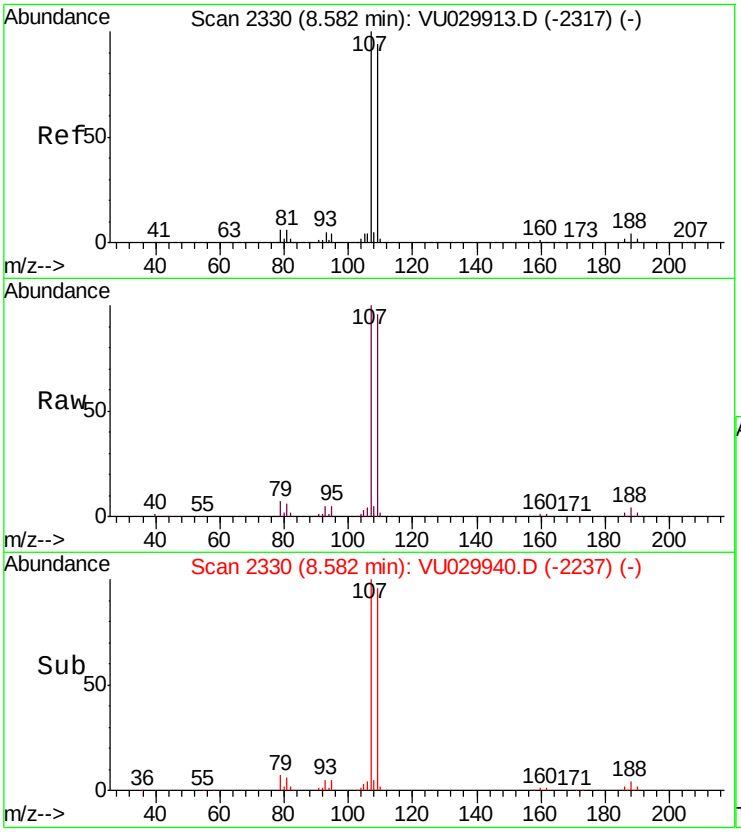




#49
Dibromochloromethane
Concen: 51.882 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:129 Resp: 211429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.8 | 54.3 | 100.8 |



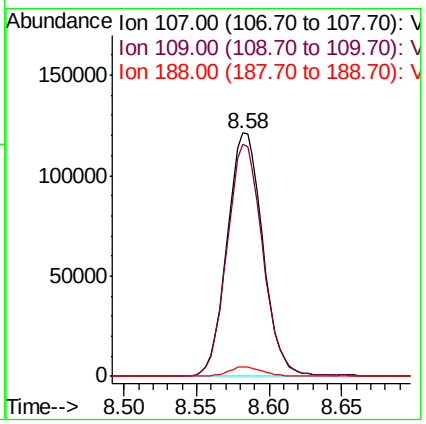


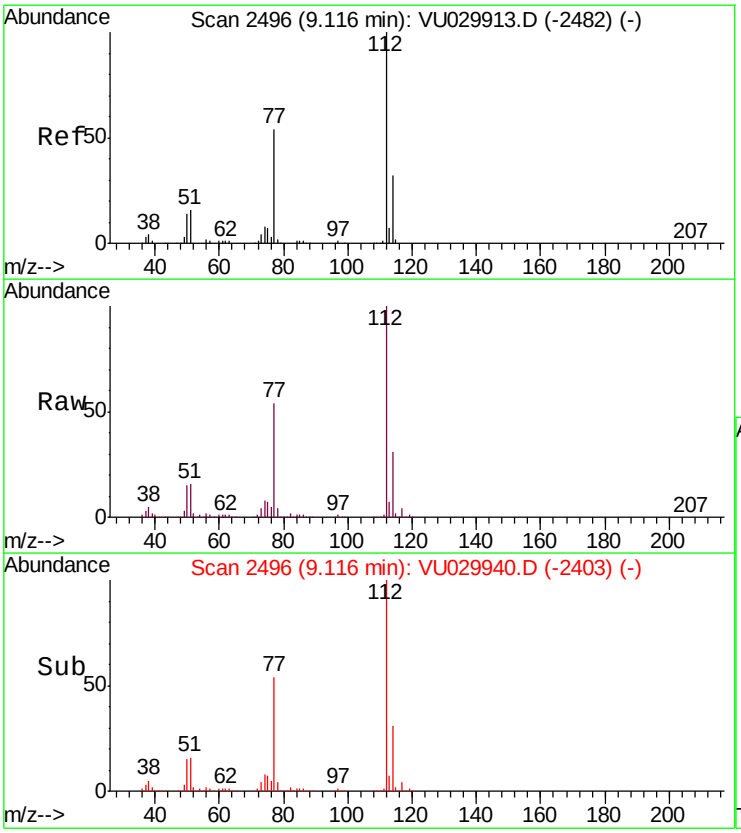

#50
1,2-Dibromoethane
Concen: 51.711 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion:107 Resp: 207509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.6 | 65.7 | 121.9 |
| 188 | 4.0 | 2.9 | 4.3 |

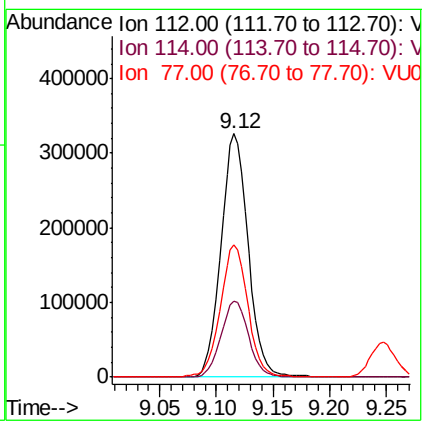


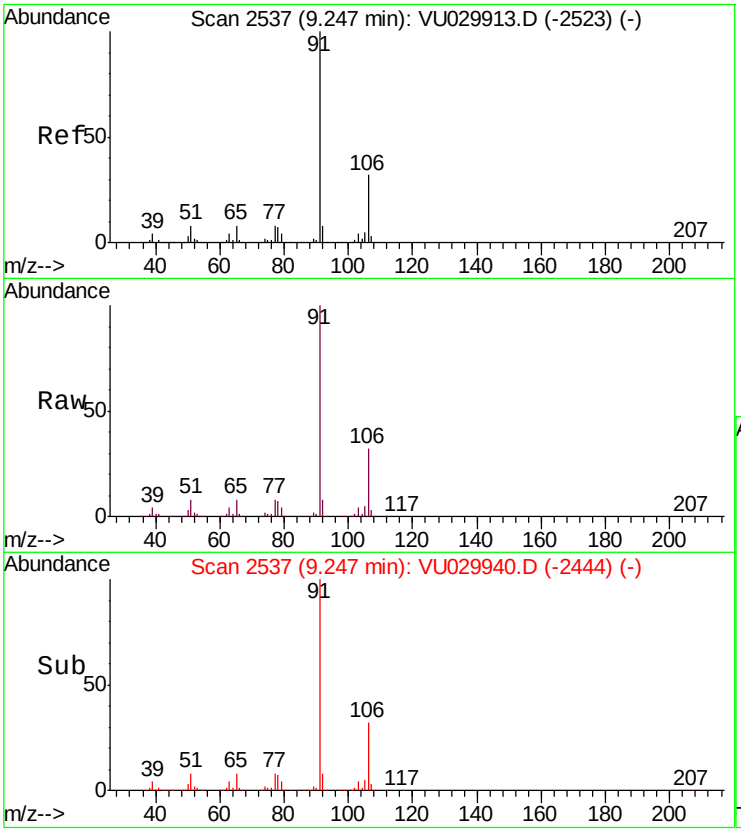




#51
Chlorobenzene
Concen: 52.387 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:112 Resp: 545500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 22.4 | 41.6 |
| 77 | 54.4 | 43.5 | 65.3 |



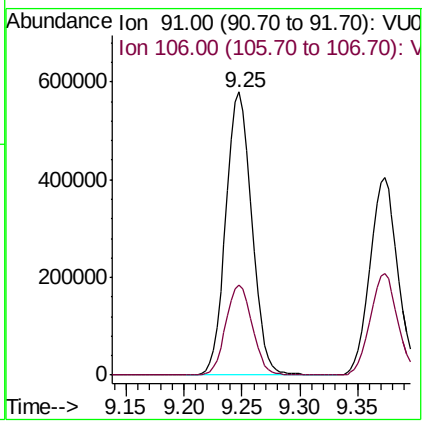


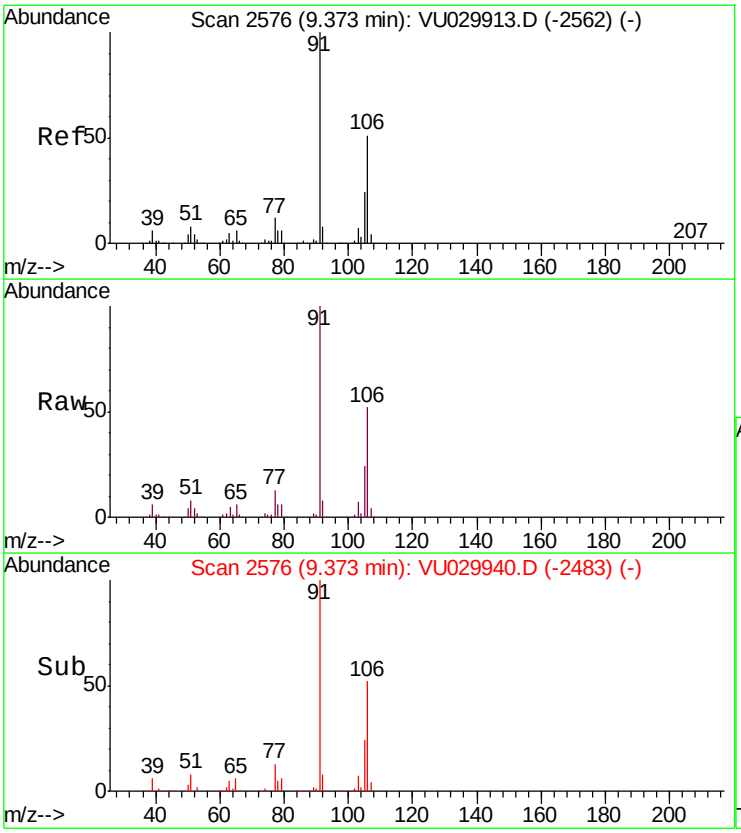

#52
Ethylbenzene
Concen: 52.988 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion: 91 Resp: 901747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.0 | 22.5 | 41.7 |

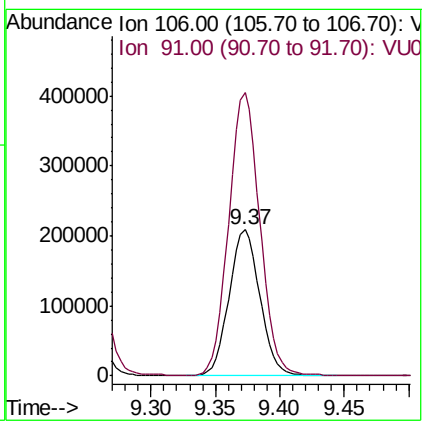


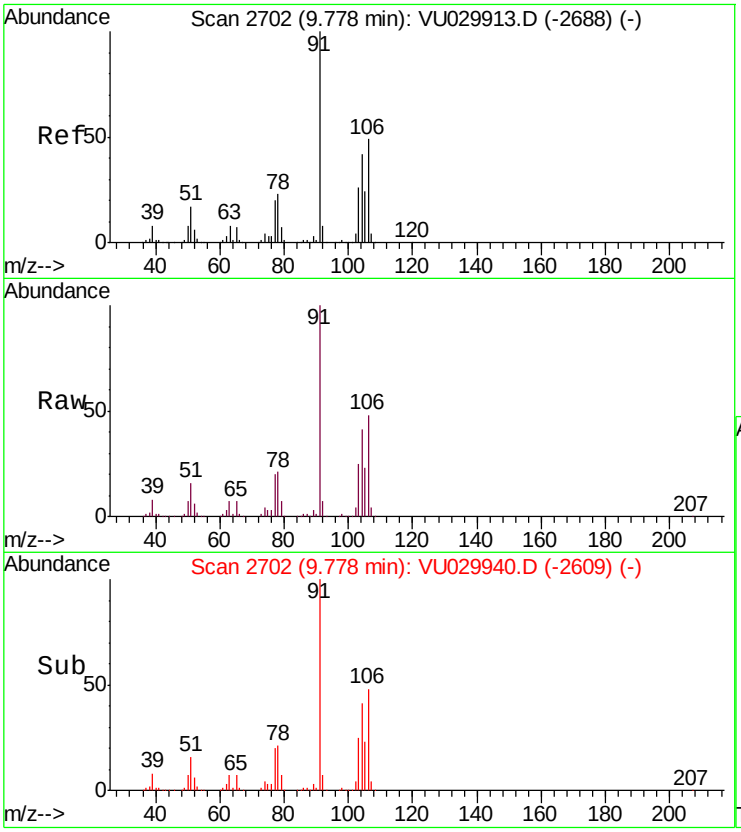




#53
m,p-Xylene
Concen: 53.091 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:106 Resp: 345883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 193.7 | 137.8 | 256.0 |



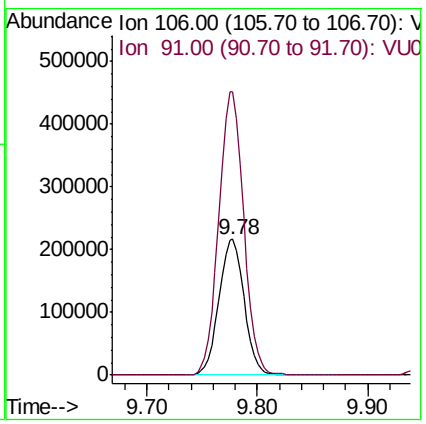


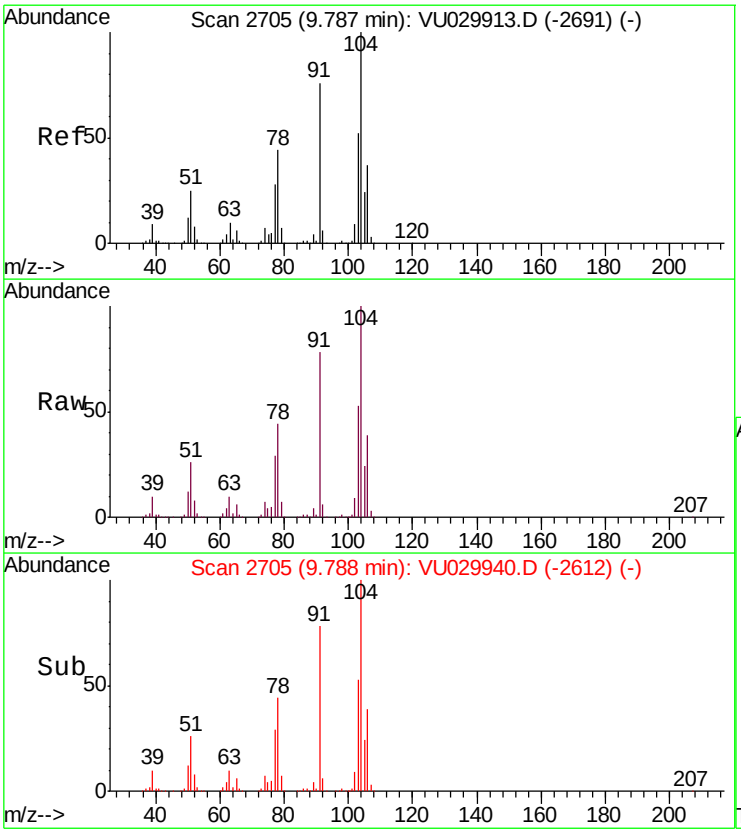

#54
o-xylene
Concen: 52.975 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Tgt Ion:106 Resp: 343605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.1 | 143.6 | 266.8 |

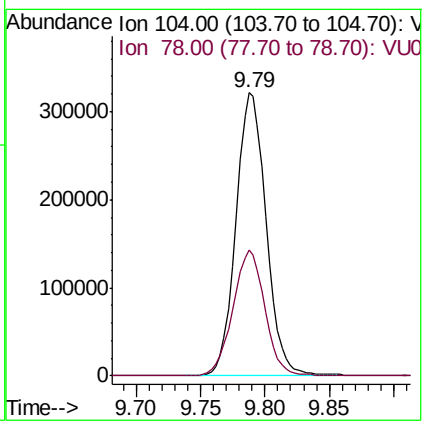


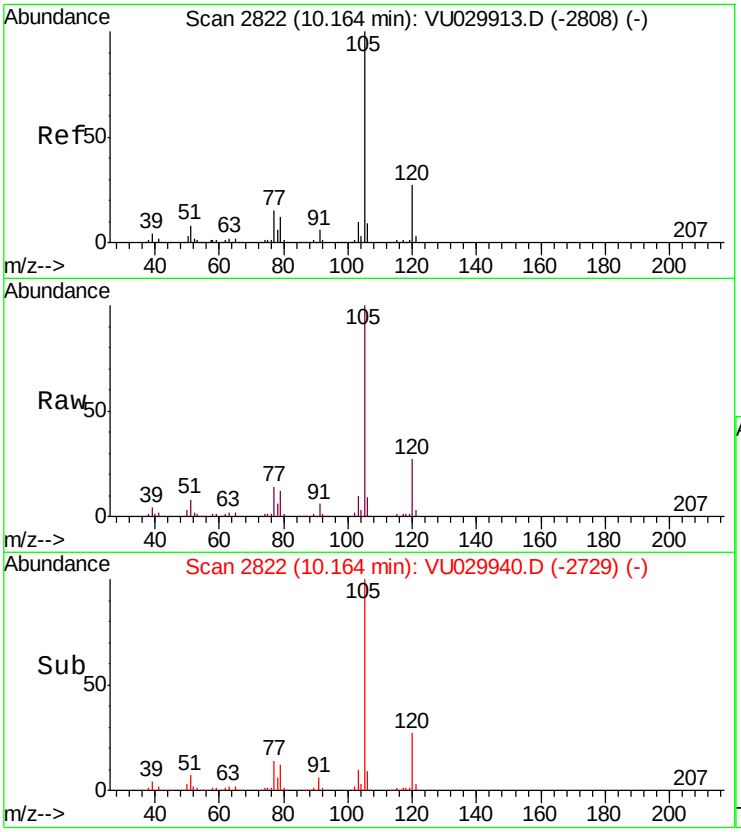




#55
Styrene
Concen: 49.734 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:104 Resp: 523340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 44.3 | 30.6 | 56.8 |



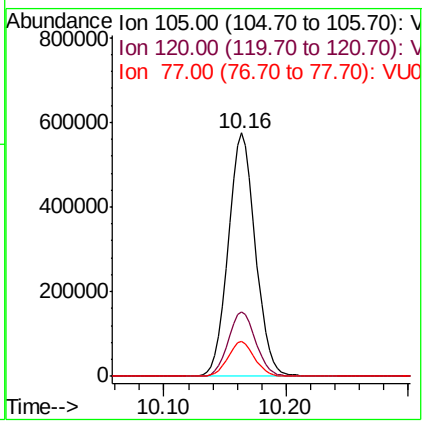


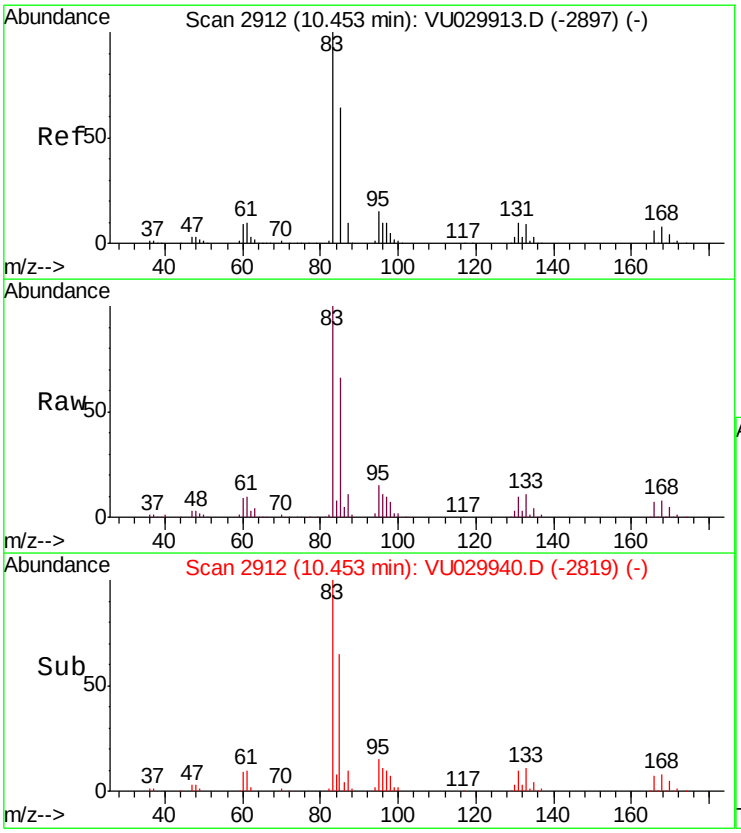

#56
Isopropylbenzene
Concen: 53.066 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion:105 Resp: 891385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.0 | 21.6 | 32.4 |
| 77 | 14.3 | 11.5 | 17.3 |

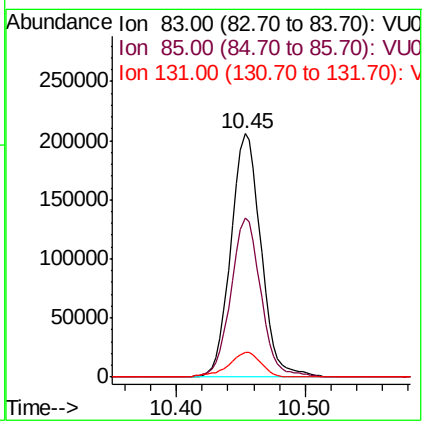


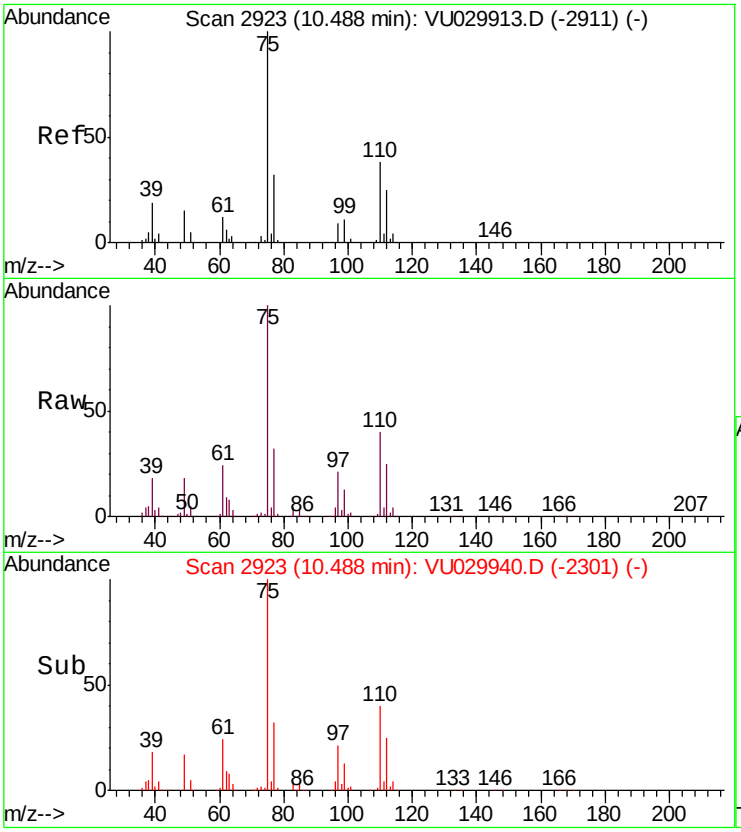




#58
1,1,2,2-Tetrachloroethane
Concen: 51.882 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion: 83 Resp: 334505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 45.0 | 83.6 |
| 131 | 10.0 | 8.0 | 12.0 |



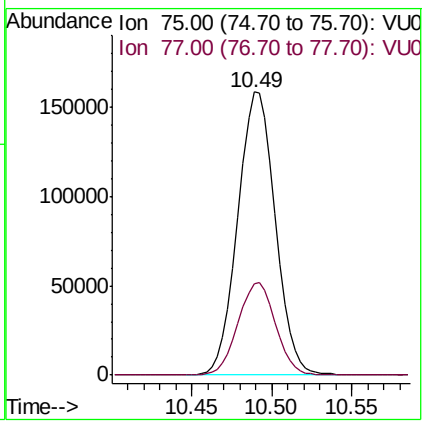


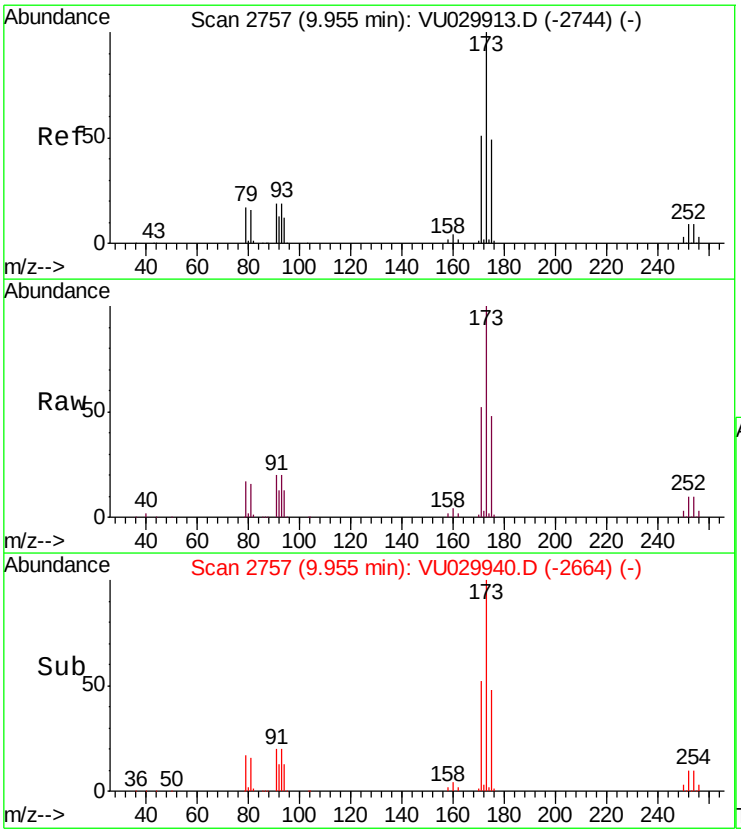

#59
1,2,3-Trichloropropane
Concen: 52.193 ug/L
RT: 10.49 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05056

Tgt Ion: 75 Resp: 253762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 26.1 | 39.1 |

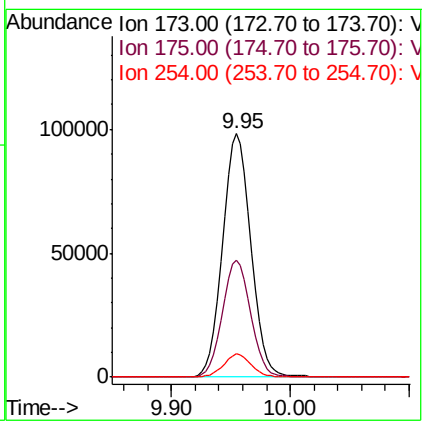


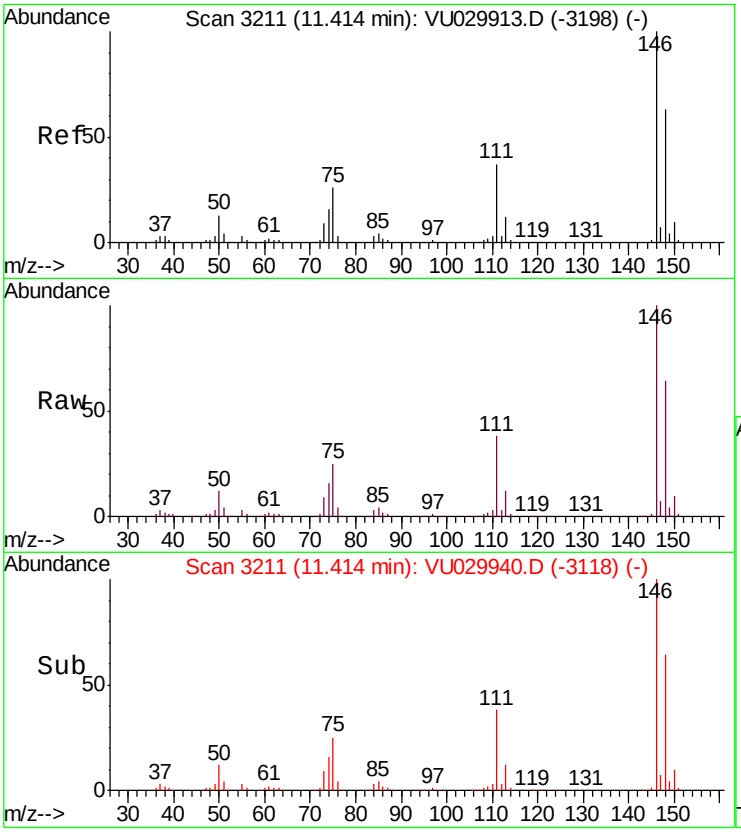




#61
Bromoform
Concen: 50.866 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:173 Resp: 161718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 38.7 | 58.1 |
| 254 | 9.2 | 7.4 | 11.2 |



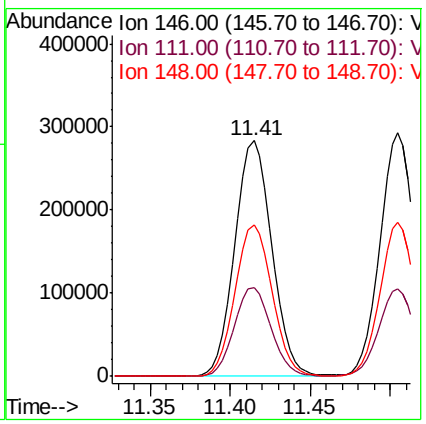


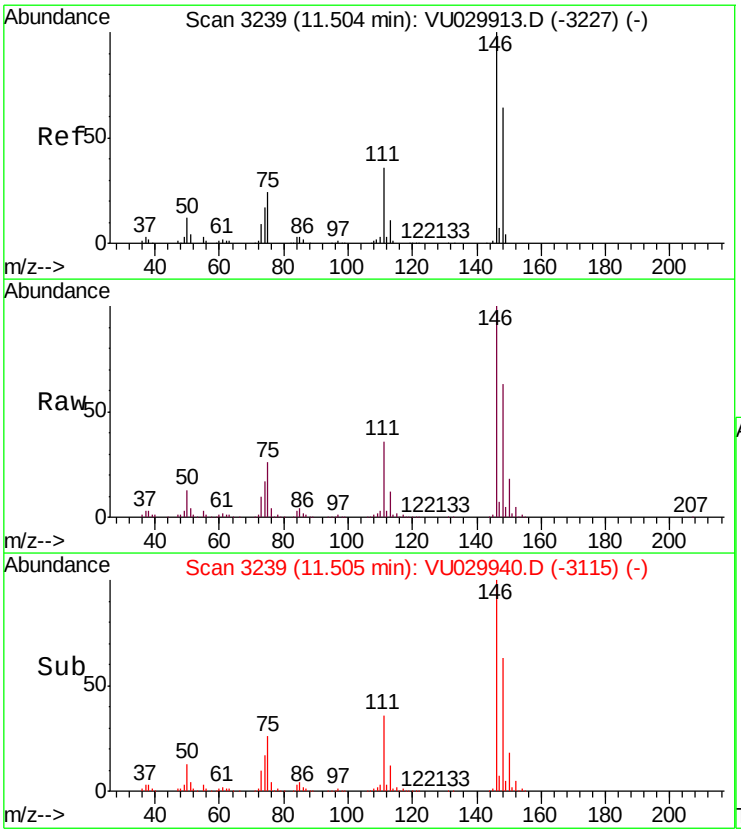

#62
1,3-Dichlorobenzene
Concen: 53.632 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05056

Tgt Ion:146 Resp: 447703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.9 | 25.7 | 47.7 |
| 148 | 64.1 | 44.2 | 82.0 |




#63
1,4-Dichlorobenzene
Concen: 53.101 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU029940.D
Acq: 10 Mar 2019 11:42

Tgt Ion:146 Resp: 453903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.1 | 25.3 | 46.9 |
| 148 | 63.5 | 44.9 | 83.3 |