Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (Not Reviewed)

Data File : VV013305.D
Acq On : 23 Oct 2019 19:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05077

Quant Time: Oct 24 03:09:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:50:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 1271906 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 1208008 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 650902 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 368630 | 43.72 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 87.44% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 299322 | 45.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 91.98% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 584818 | 47.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 94.80% | | | |
| 21) 2-Butanone-d5 | 3.95 | 46 | 496946 | 87.97 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 87.97% | | | |
| 24) Chloroform-d | 4.40 | 84 | 837875 | 46.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.24% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 501800 | 46.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.02% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 1729795 | 46.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.02% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 527564 | 45.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 91.62% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 1601035 | 47.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 95.50% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 239924 | 47.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 94.42% | | | |
| 47) 2-Hexanone-d5 | 8.13 | 63 | 341629 | 97.94 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 97.94% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 705825 | 46.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 92.74% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 676918 | 45.32 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 90.64% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.14 | 85 | 499944 | 45.717 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 386800 | 46.939 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 400574 | 47.111 | ug/L | 98 |
| 6) Bromomethane | 1.53 | 94 | 226722 | 52.016 | ug/L | 97 |
| 8) Chloroethane | 1.60 | 64 | 225599 | 47.219 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 559461 | 47.312 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 323120 | 48.344 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 310130 | 48.163 | ug/L | 89 |
| 13) Acetone | 2.21 | 43 | 283722 | 67.965 | ug/L | 96 |
| 14) Carbon disulfide | 2.32 | 76 | 1075072 | 48.192 | ug/L | 99 |
| 15) Methyl Acetate | 2.47 | 43 | 422239 | 48.596 | ug/L | 97 |
| 16) Methylene chloride | 2.53 | 84 | 450733 | 47.092 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 2.79 | 96 | 419705 | 47.224 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 2.80 | 73 | 1262284 | 49.030 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 767508 | 47.798 | ug/L | 100 |
| 20) cis-1,2-Dichloroethene | 3.96 | 96 | 466209 | 48.403 | ug/L | 100 |
| 22) 2-Butanone | 4.03 | 43 | 532550 | 88.969 | ug/L | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (Not Reviewed)

Data File : VV013305.D
Acq On : 23 Oct 2019 19:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05077

Quant Time: Oct 24 03:09:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:50:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 245428 | 47.082 | ug/L | 98 |
| 25) Chloroform | 4.42 | 83 | 790298 | 48.094 | ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 575051 | 48.018 | ug/L | 100 |
| 29) Cyclohexane | 4.72 | 56 | 678557 | 48.476 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 4.66 | 97 | 660097 | 47.216 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.87 | 117 | 601287 | 47.704 | ug/L | 100 |
| 33) Benzene | 5.14 | 78 | 1772980 | 48.321 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 458638 | 47.743 | ug/L | 98 |
| 35) Methylcyclohexane | 6.17 | 83 | 716145 | 49.048 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 449365 | 48.622 | ug/L | 100 |
| 38) Bromodichloromethane | 6.55 | 83 | 582888 | 47.890 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 683411 | 49.460 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.27 | 43 | 1127149 | 98.140 | ug/L | 100 |
| 42) Toluene | 7.43 | 91 | 1882987 | 50.058 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 581995 | 49.249 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 437166 | 48.045 | ug/L | 99 |
| 46) Tetrachloroethene | 8.02 | 164 | 409659 | 47.813 | ug/L | 98 |
| 48) 2-Hexanone | 8.18 | 43 | 807929 | 86.664 | ug/L | 90 |
| 49) Dibromochloromethane | 8.29 | 129 | 503130 | 48.808 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.39 | 107 | 467293 | 48.330 | ug/L | 99 |
| 51) Chlorobenzene | 8.92 | 112 | 1237565 | 48.382 | ug/L | 98 |
| 52) Ethylbenzene | 9.05 | 91 | 2013801 | 50.675 | ug/L | 98 |
| 53) m,p-Xylene | 9.18 | 106 | 794304 | 51.465 | ug/L | 100 |
| 54) o-xylene | 9.58 | 106 | 779209 | 51.771 | ug/L | 99 |
| 55) Styrene | 9.60 | 104 | 1346420 | 52.746 | ug/L | 99 |
| 56) Isopropylbenzene | 9.97 | 105 | 2020216 | 52.533 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 678492 | 48.431 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 552664 | 47.941 | ug/L | 100 |
| 61) Bromoform | 9.77 | 173 | 391401 | 46.071 | ug/L | 100 |
| 62) 1,3-Dichlorobenzene | 11.22 | 146 | 1004387 | 47.796 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.31 | 146 | 1014553 | 46.480 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.68 | 146 | 1021147 | 47.136 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 140846 | 46.350 | ug/L | 97 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 780690 | 49.330 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 673621 | 50.715 | ug/L | 99 |
| 69) Naphthalene | 13.55 | 128 | 1927629 | 53.592 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 742228 | 52.162 | ug/L | 98 |

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

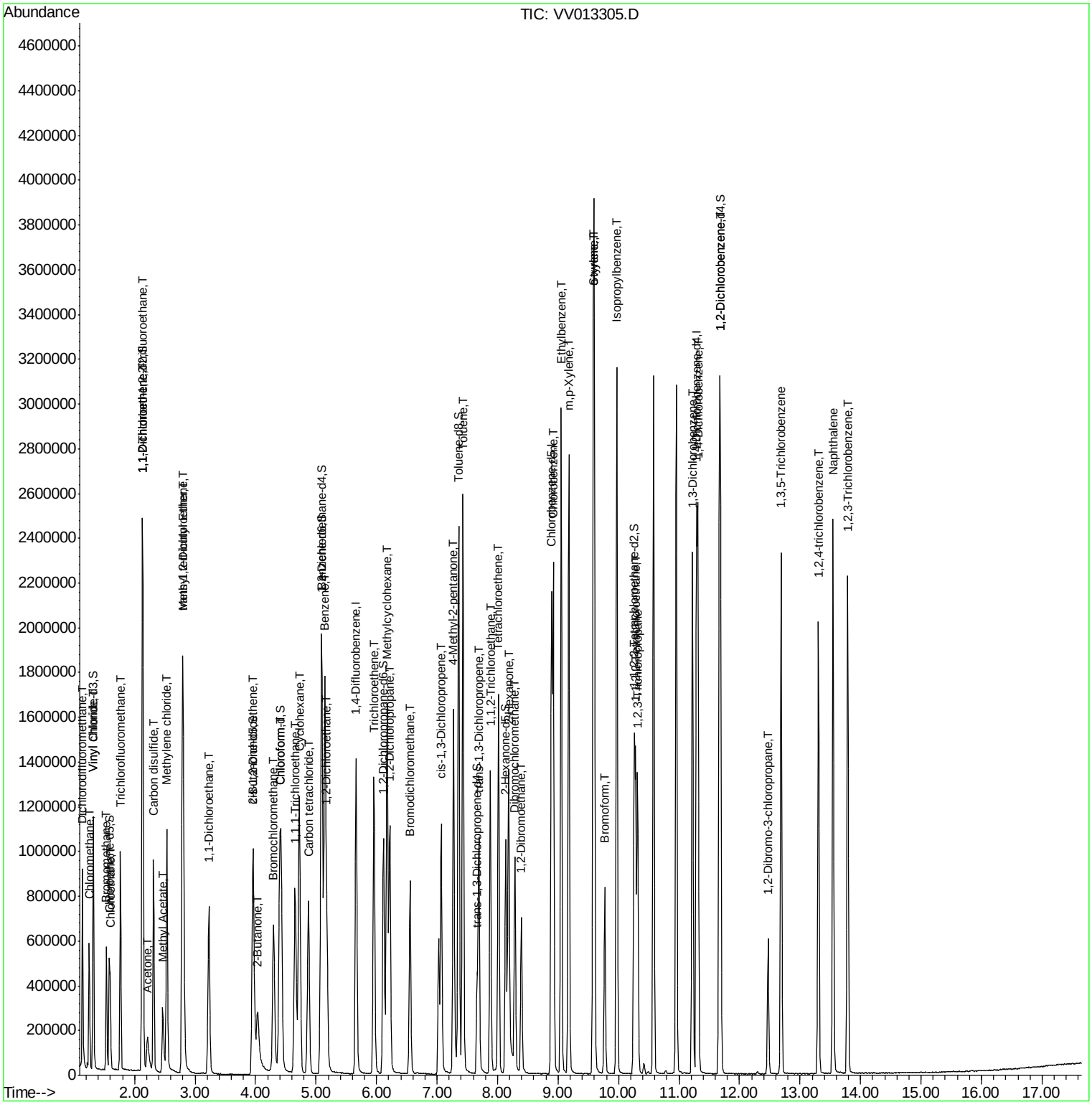
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

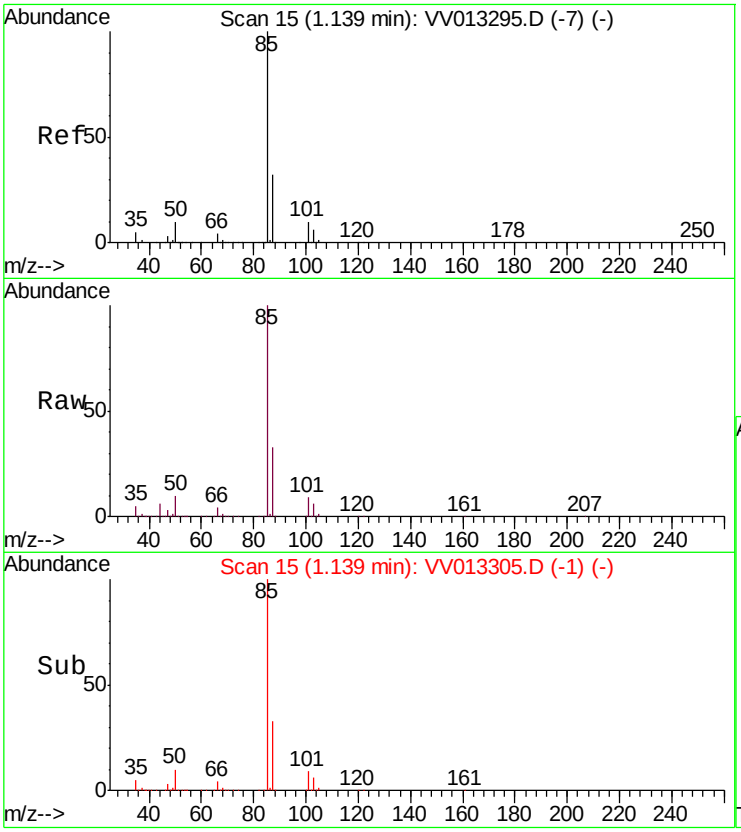
Quantitation Report (Not Reviewed)

Data File : VV013305.D
Acq On : 23 Oct 2019 19:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Quant Time: Oct 24 03:09:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:50:44 2019
Response via : Initial Calibration



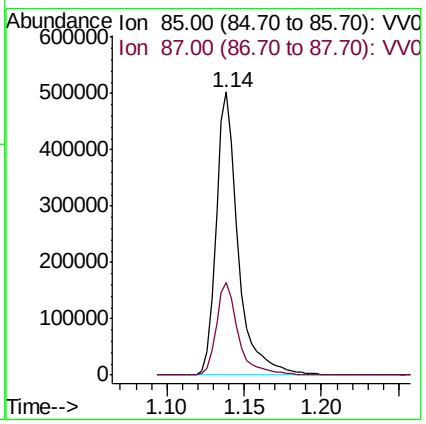


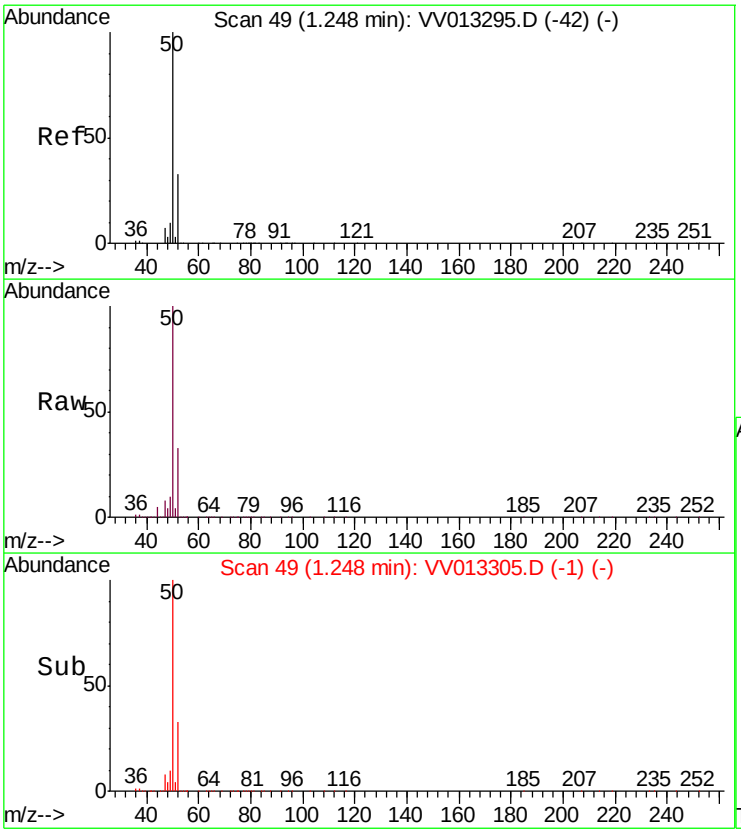

#2
Dichlorodifluoromethane
Concen: 45.717 ug/L
RT: 1.14 min Scan# 15
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 85 Resp: 499944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 25.8 | 38.8 |

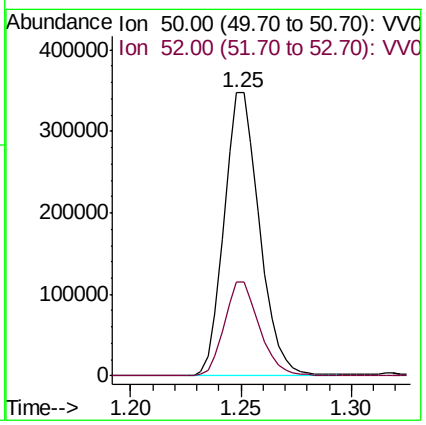


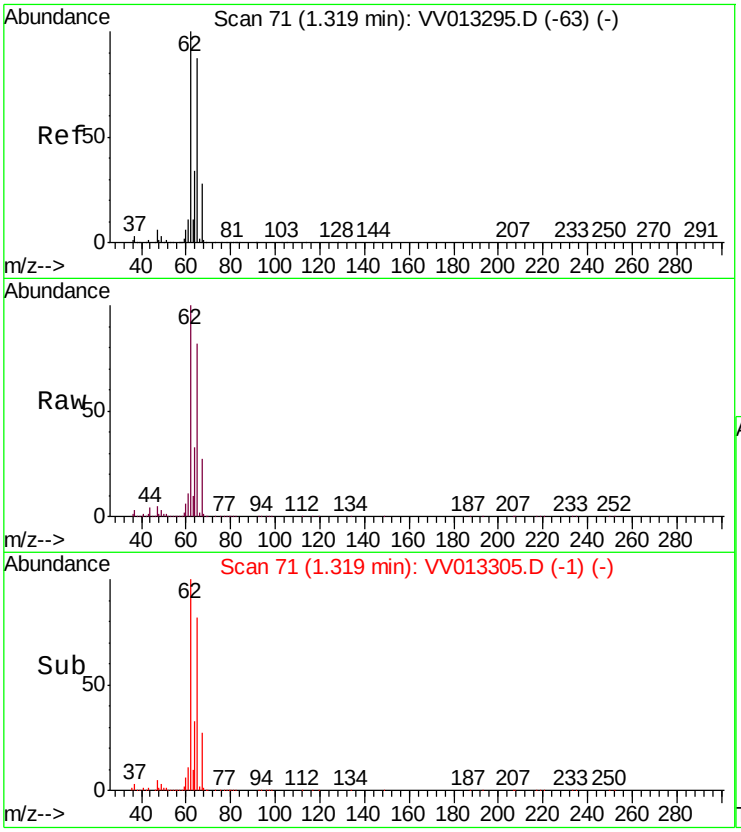




#3
Chloromethane
Concen: 46.939 ug/L
RT: 1.25 min Scan# 49
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 50 Resp: 386800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.4 | 23.2 | 43.2 |



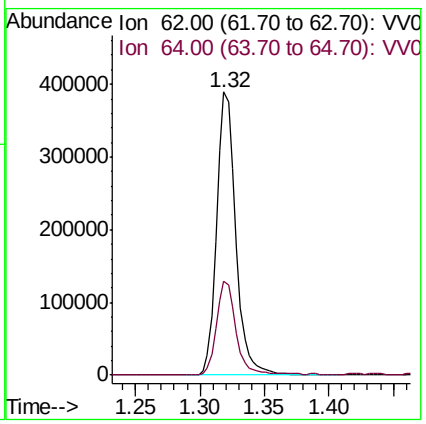


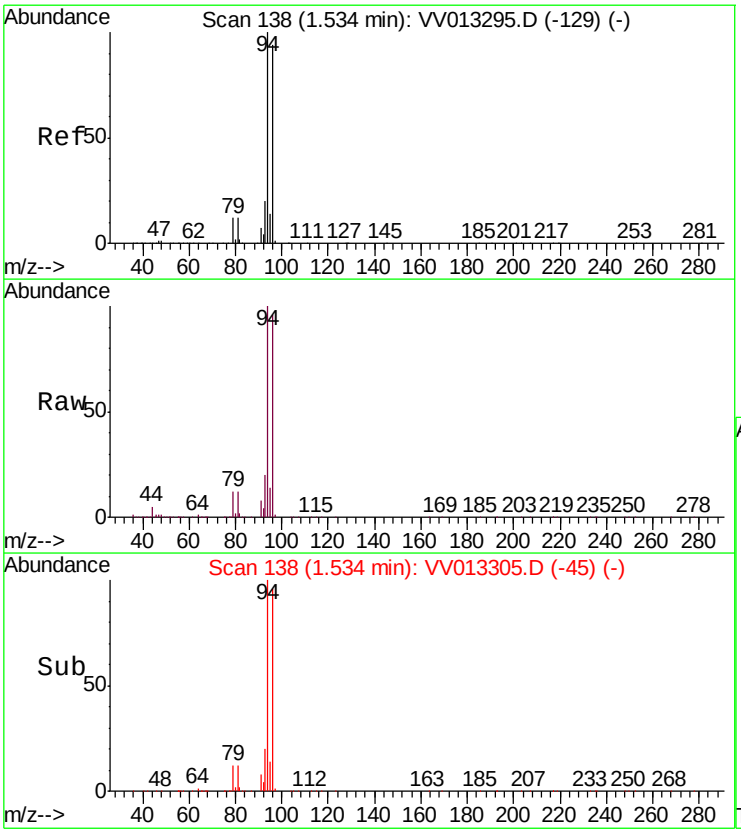

#5
Vinyl chloride
Concen: 47.111 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 62 Resp: 400574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.0 | 23.9 | 44.3 |

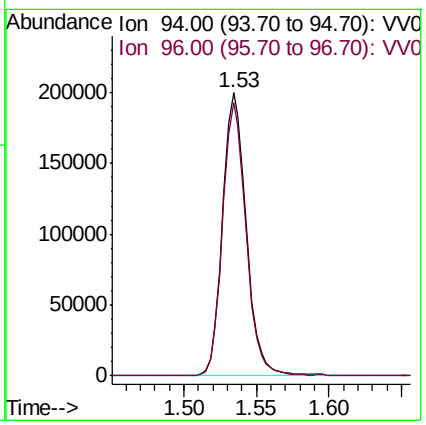


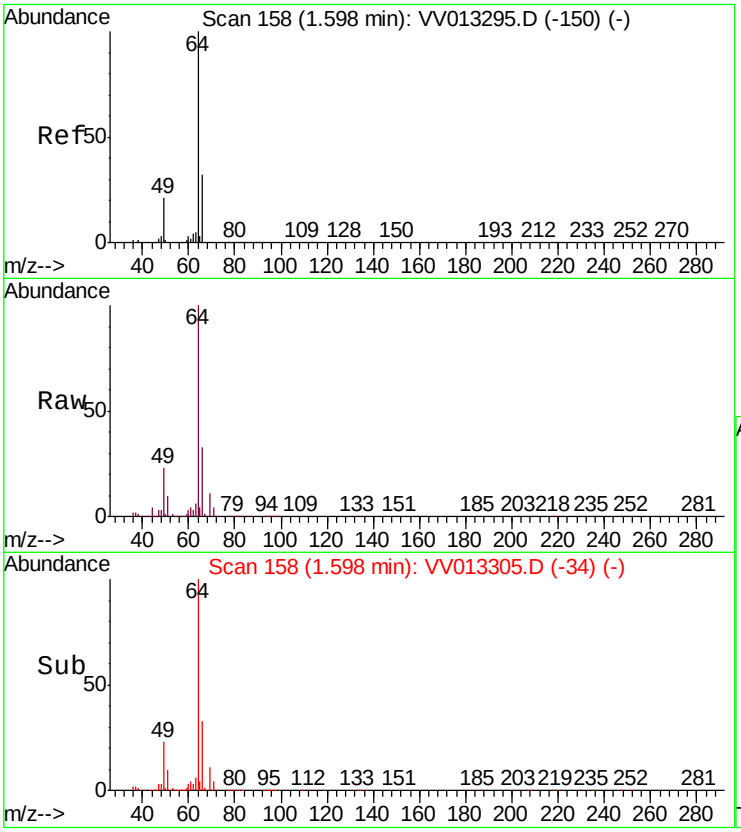




#6
Bromomethane
Concen: 52.016 ug/L
RT: 1.53 min Scan# 138
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 94 Resp: 226722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.3 | 65.7 | 121.9 |



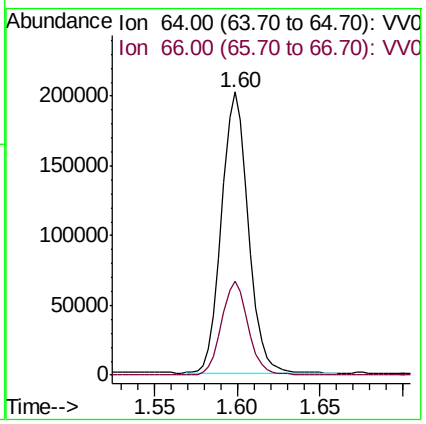


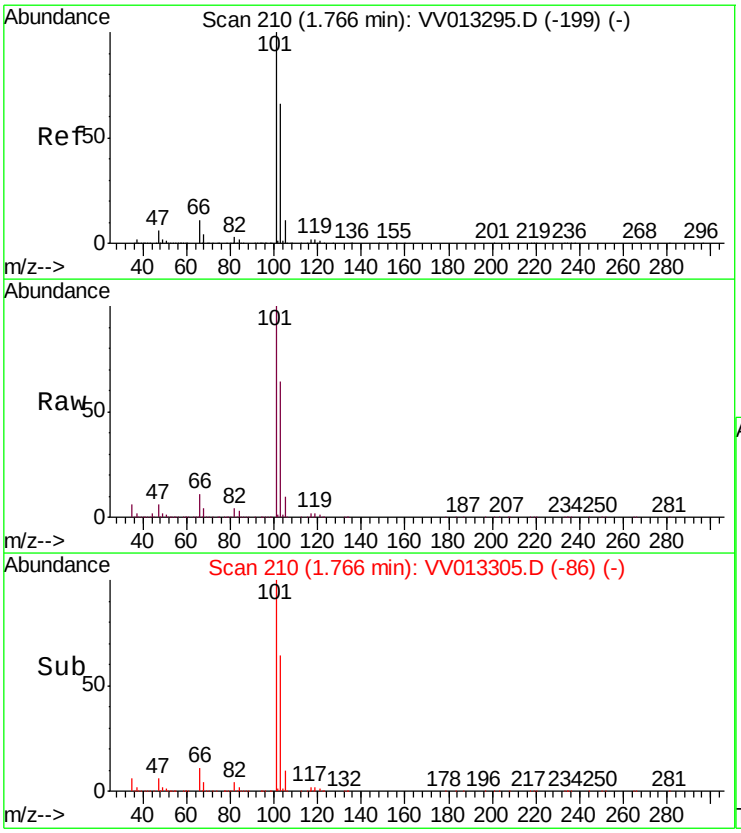

#8
Chloroethane
Concen: 47.219 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 64 Resp: 225599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.1 | 22.3 | 41.3 |

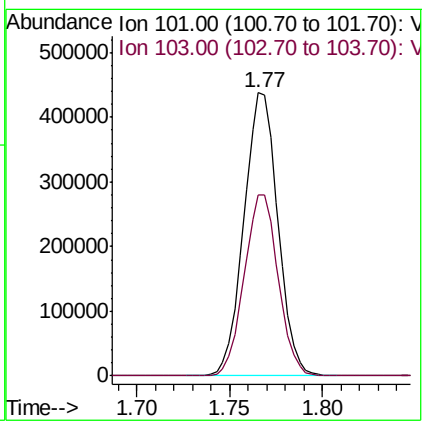


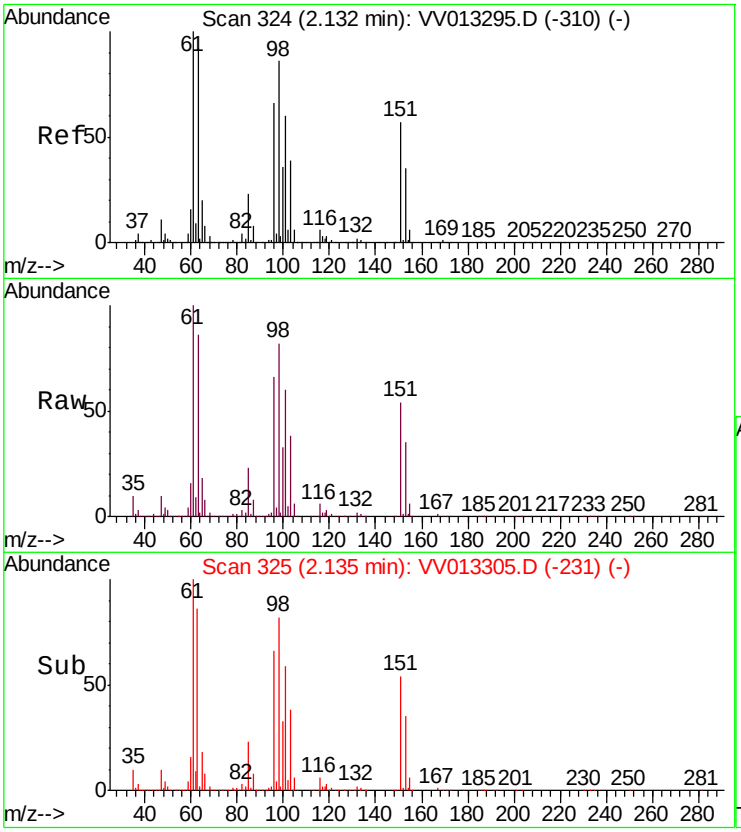




#9
Trichlorofluoromethane
Concen: 47.312 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:101 Resp: 559461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.9 | 53.0 | 79.4 |



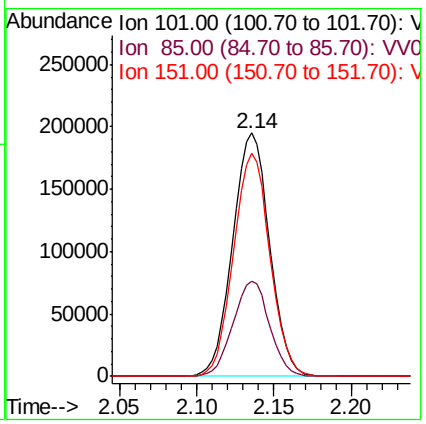


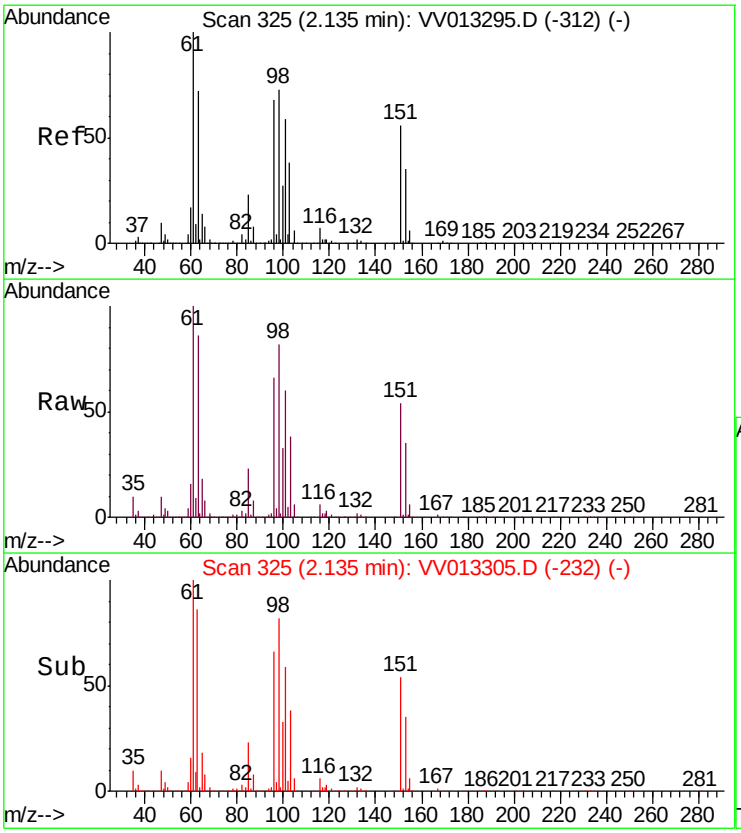

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.344 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion:101 Resp: 323120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 38.8 | 31.4 | 47.2 |
| 151 | 90.7 | 74.6 | 112.0 |

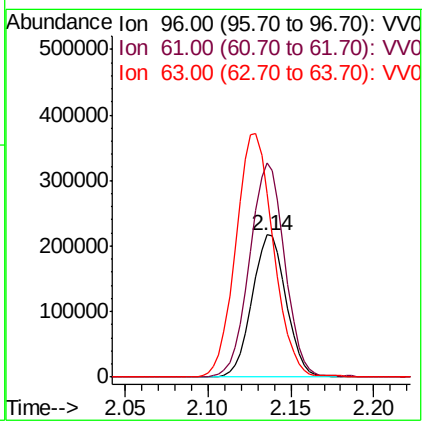


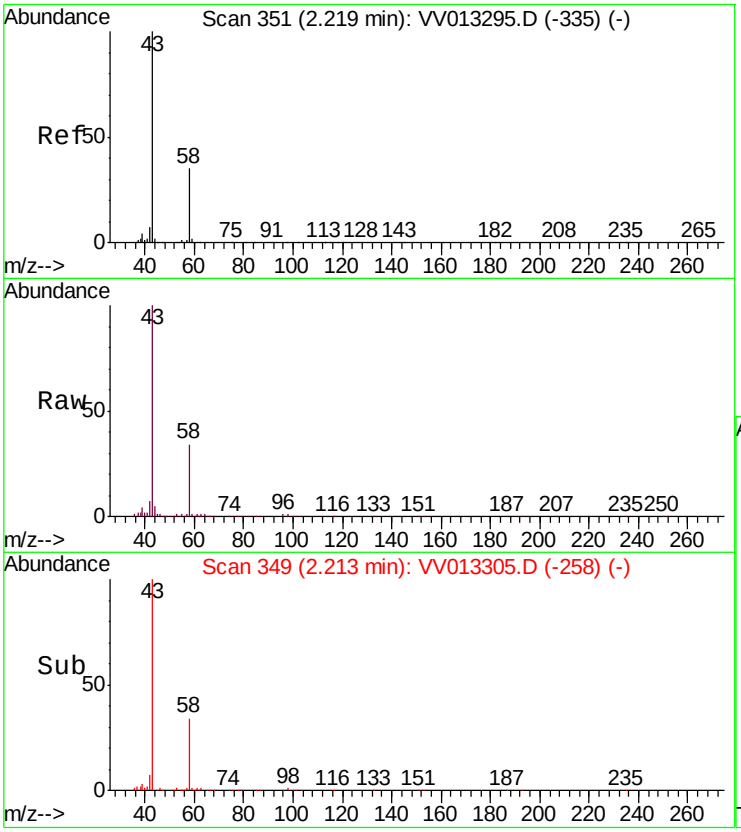




#12
1,1-Dichloroethene
Concen: 48.163 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 96 Resp: 310130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.1 | 103.3 | 191.8 |
| 63 | 129.4 | 74.8 | 138.8 |



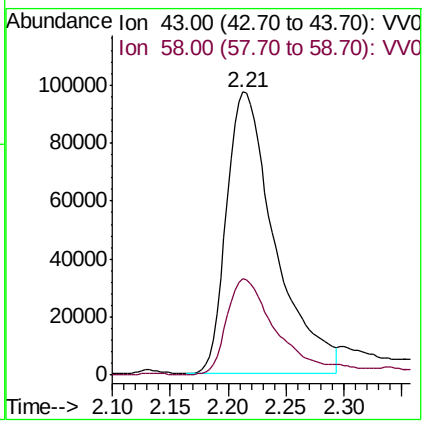


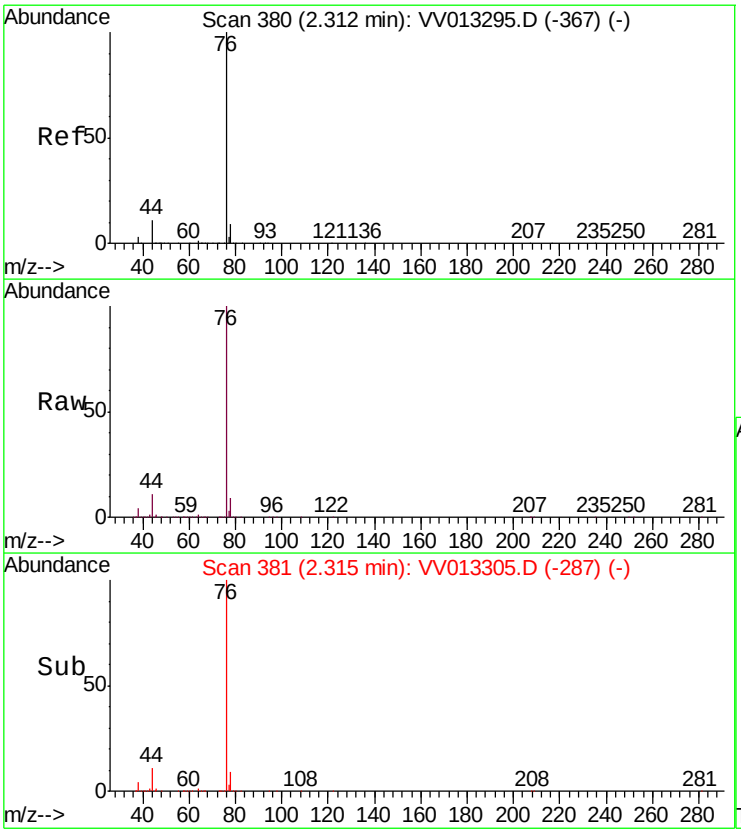

#13
Acetone
Concen: 67.965 ug/L
RT: 2.21 min Scan# 349
Delta R.T. -0.01 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 43 Resp: 283722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.1 | 0.0 | 64.0 |

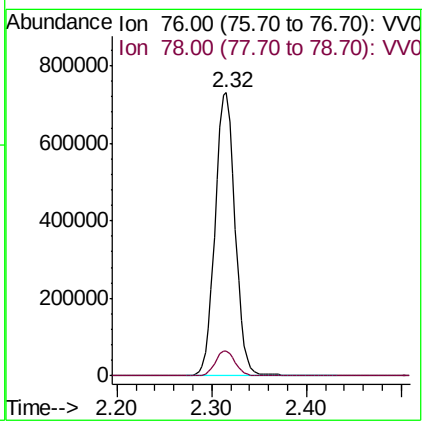


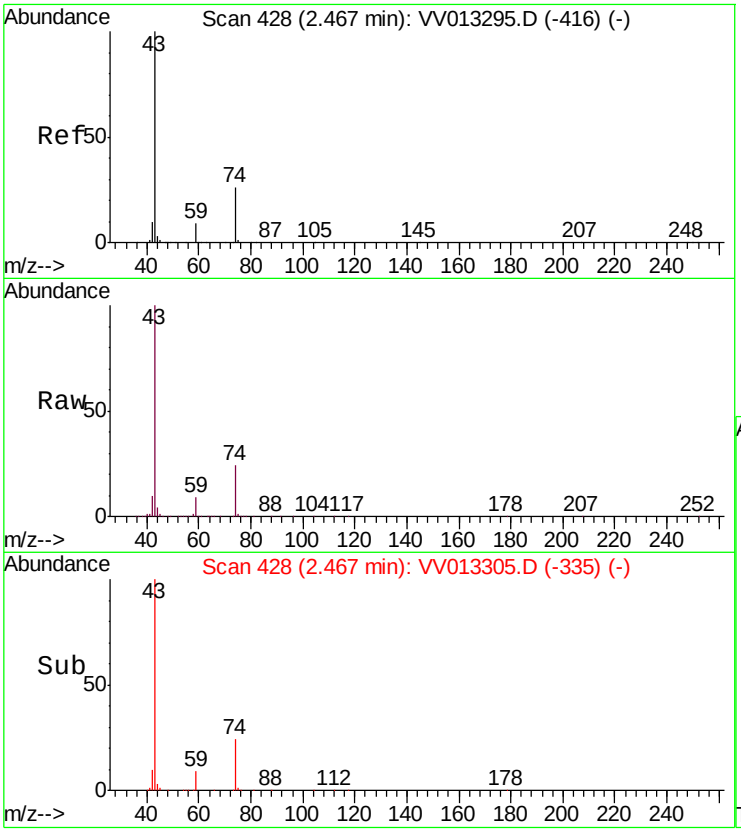




#14
Carbon disulfide
Concen: 48.192 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 76 Resp: 1075072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.4 | 11.0 |



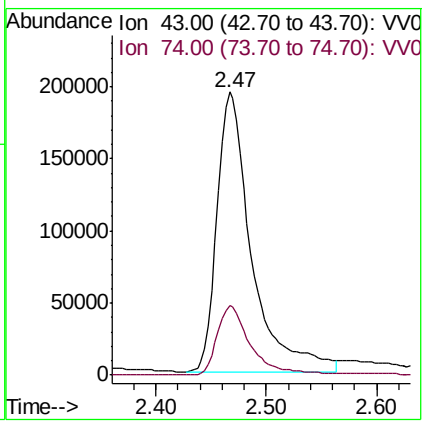


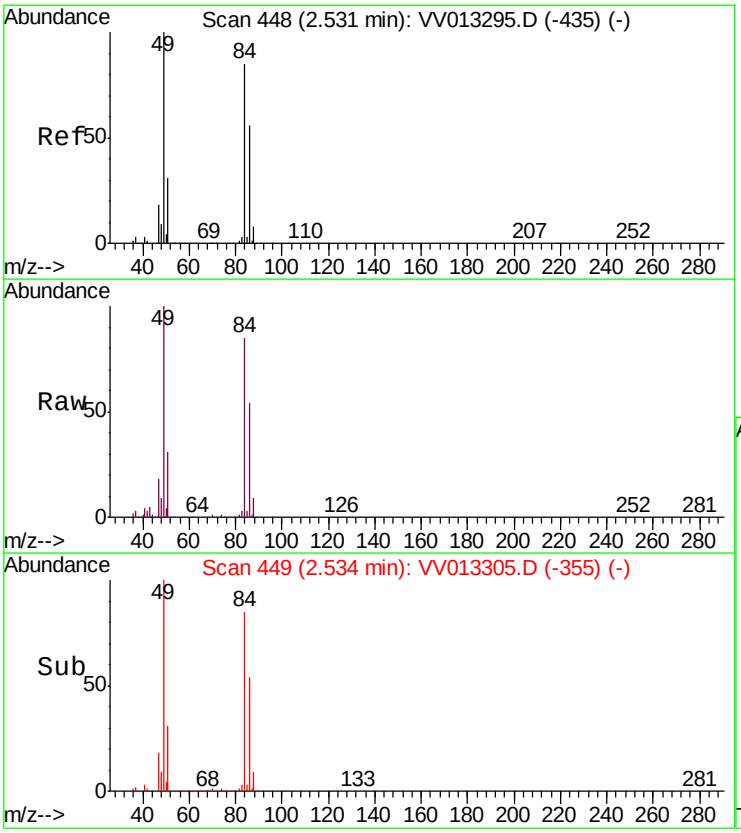

#15
Methyl Acetate
Concen: 48.596 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 43 Resp: 422239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.1 | 20.6 | 31.0 |

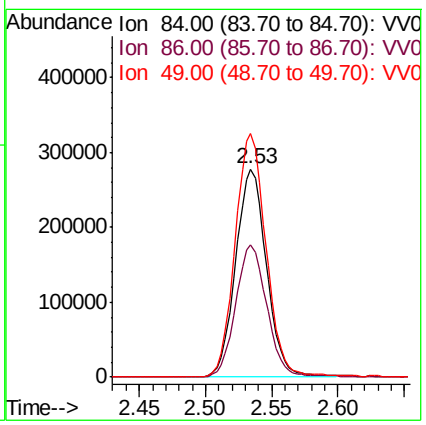


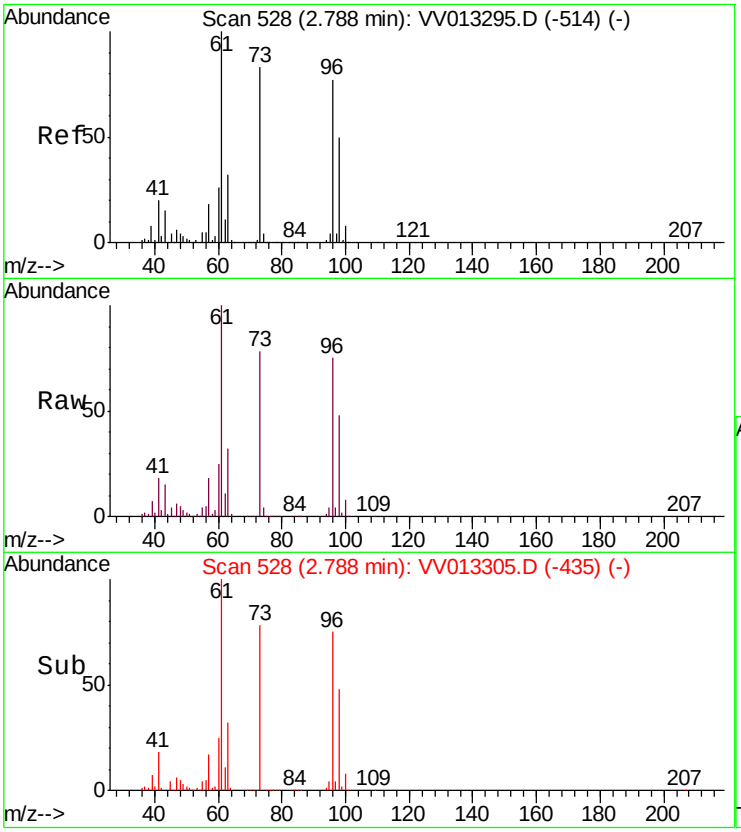




#16
Methylene chloride
Concen: 47.092 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 84 Resp: 450733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.8 | 46.2 | 85.8 |
| 49 | 117.1 | 82.7 | 153.5 |



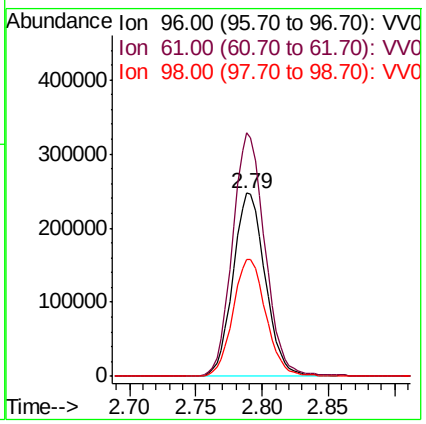


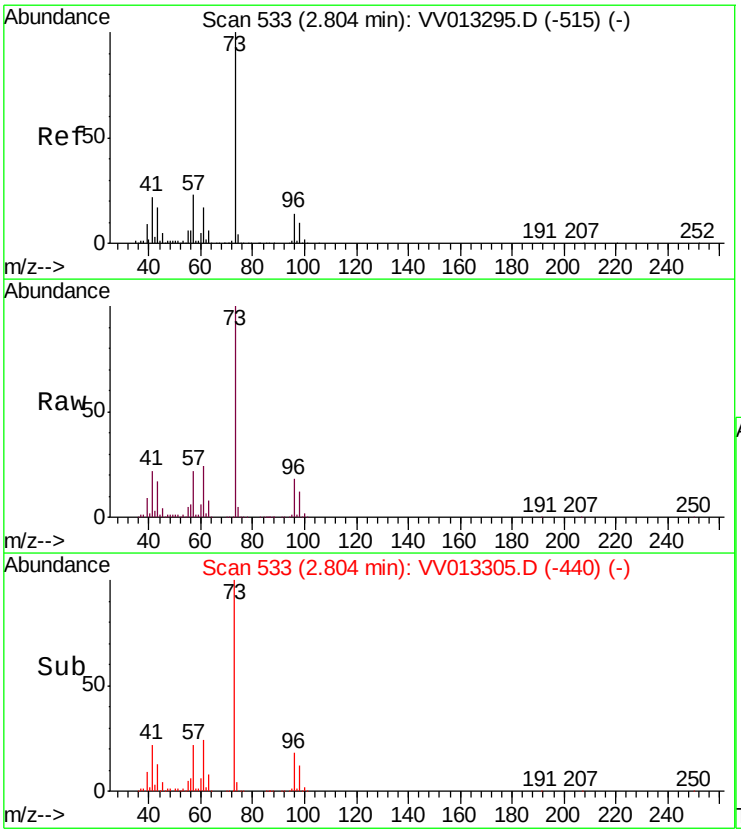

#17
trans-1,2-Dichloroethene
Concen: 47.224 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 96 Resp: 419705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.0 | 91.2 | 169.4 |
| 98 | 63.8 | 45.7 | 84.9 |

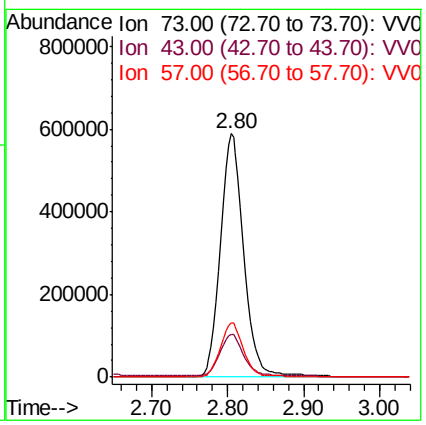


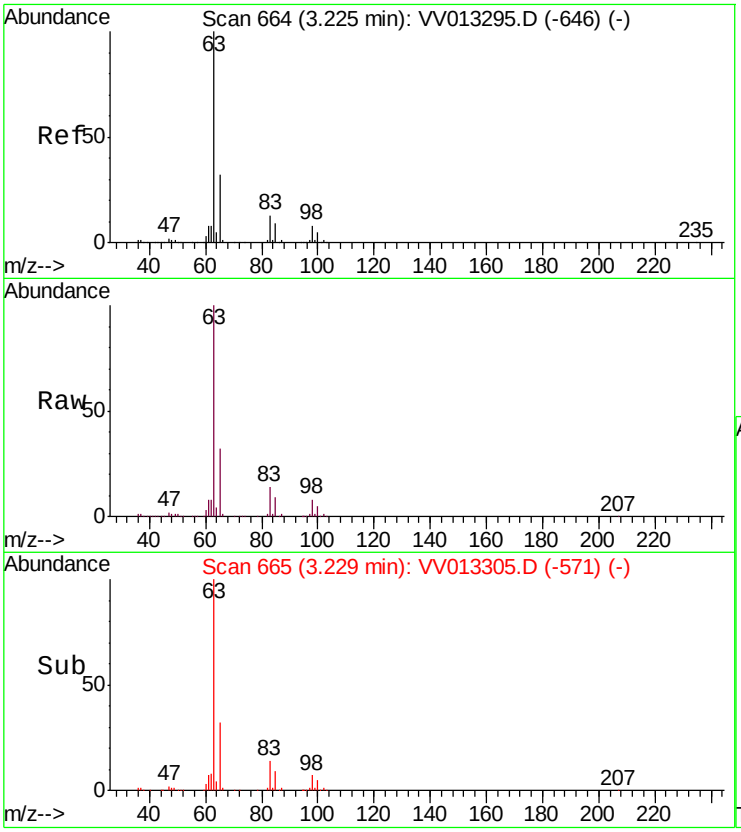




#18
Methyl tert-butyl Ether
Concen: 49.030 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 73 Resp: 1262284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.4 | 14.2 | 21.2 |
| 57 | 22.1 | 17.6 | 26.4 |



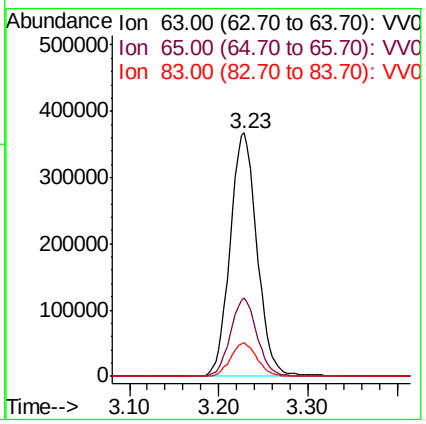


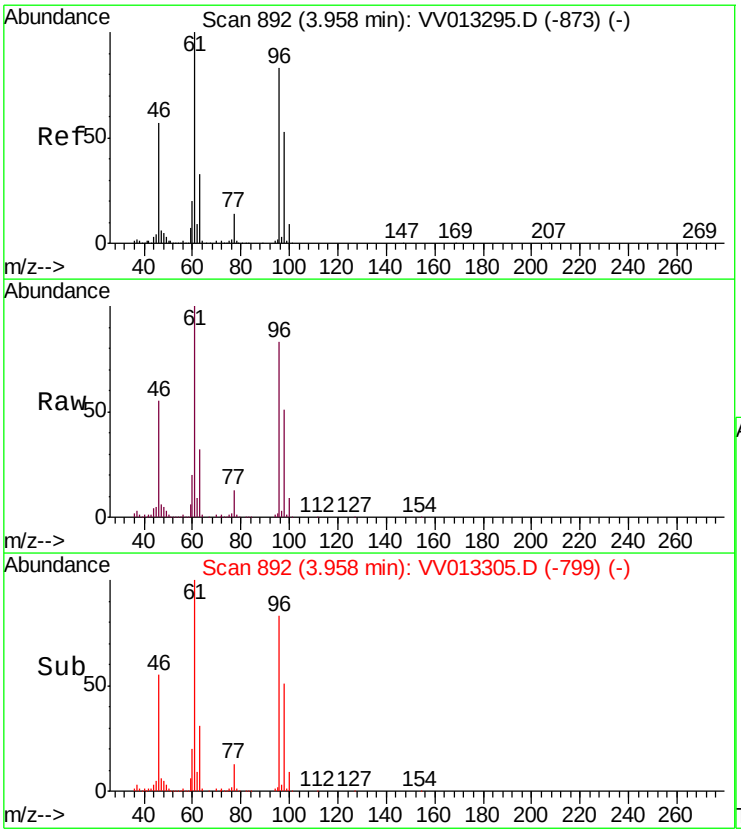

#19
1,1-Dichloroethane
Concen: 47.798 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 63 Resp: 767508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.2 | 22.5 | 41.7 |
| 83 | 13.6 | 9.2 | 17.2 |

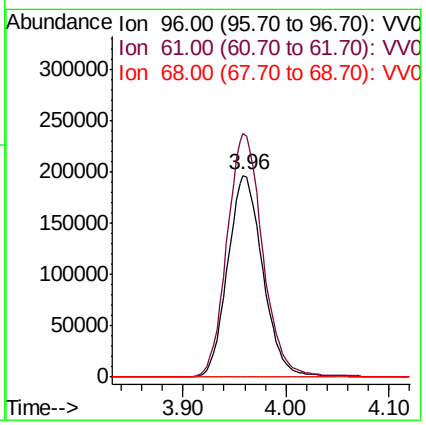


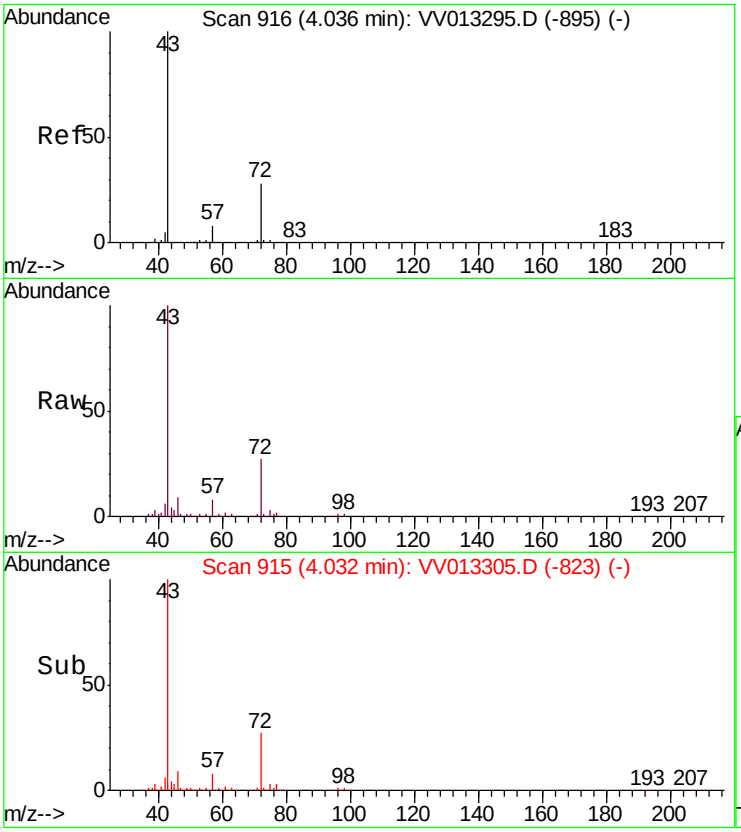




#20
cis-1,2-Dichloroethene
Concen: 48.403 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 96 Resp: 466209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 120.7 | 84.8 | 157.4 |
| 68 | 0.0 | 0.0 | 0.0 |



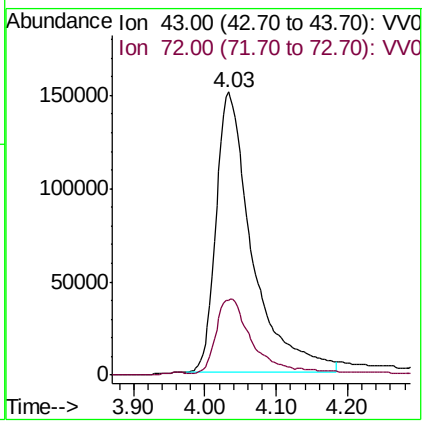


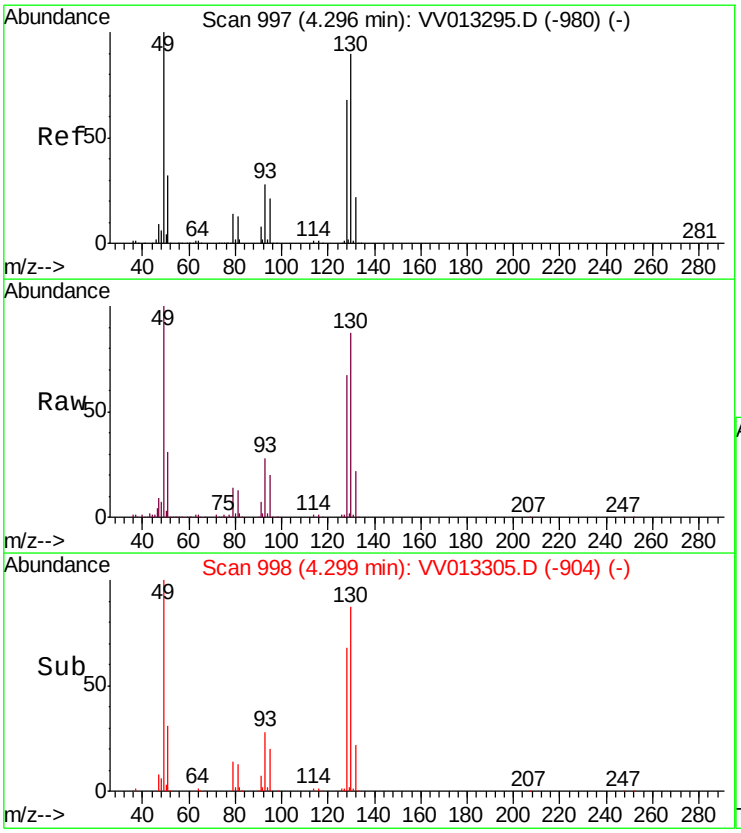

#22
2-Butanone
Concen: 88.969 ug/L
RT: 4.03 min Scan# 915
Delta R.T. -0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 43 Resp: 532550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 13.0 | 38.9 |

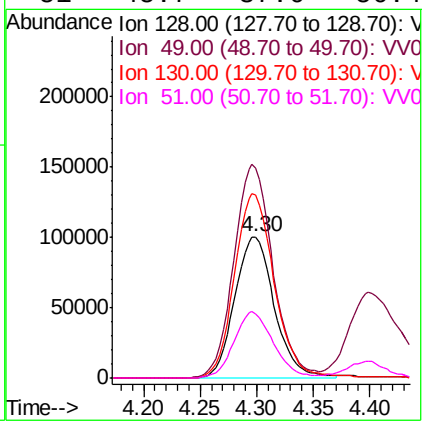


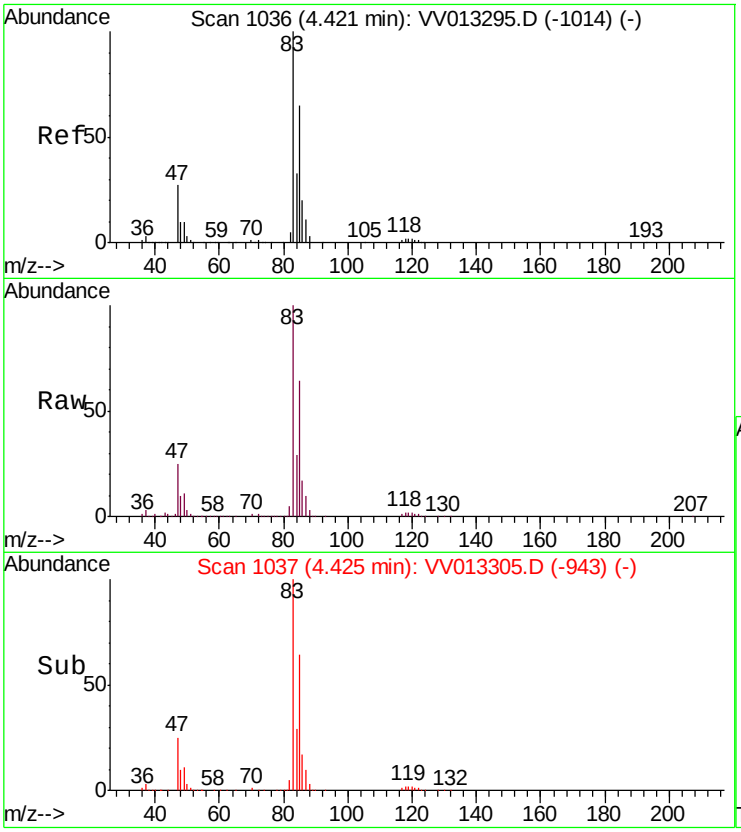




#23
Bromochloromethane
Concen: 47.082 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:128 Resp: 245428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 148.8 | 103.1 | 191.5 |
| 130 | 129.3 | 92.5 | 171.7 |
| 51 | 45.7 | 37.6 | 56.4 |



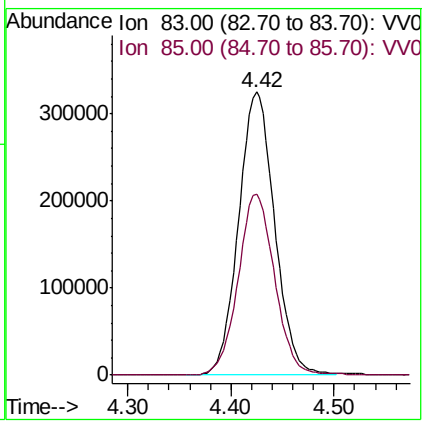


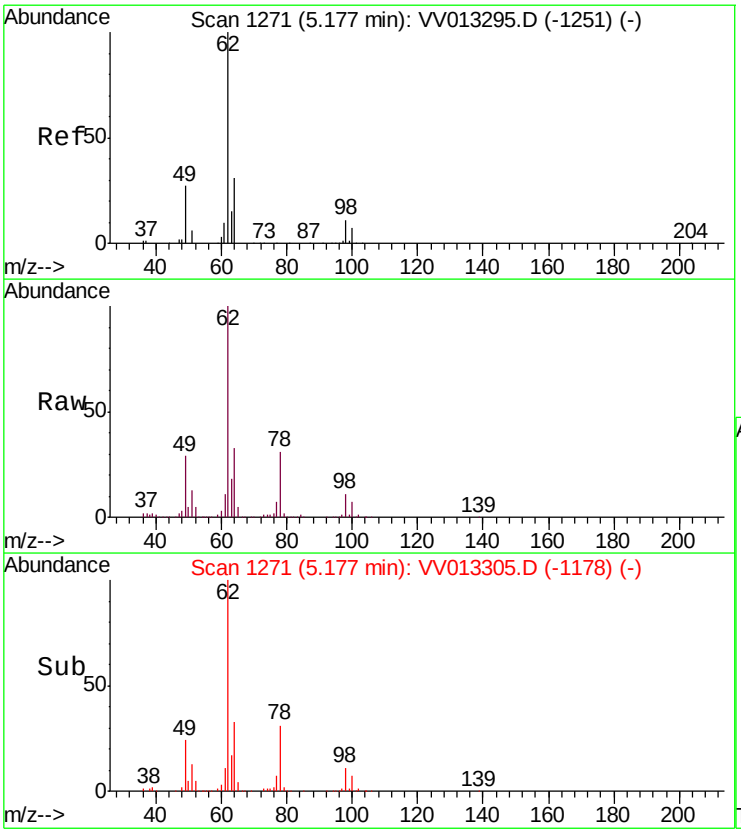

#25
Chloroform
Concen: 48.094 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 83 Resp: 790298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 45.8 | 85.0 |

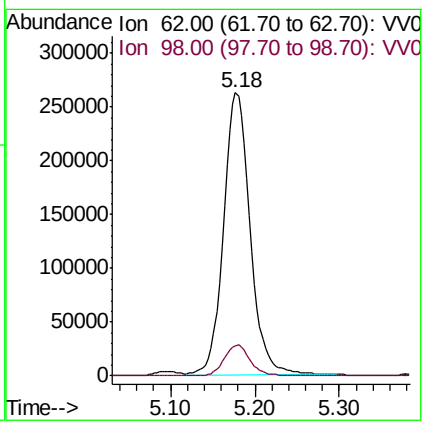


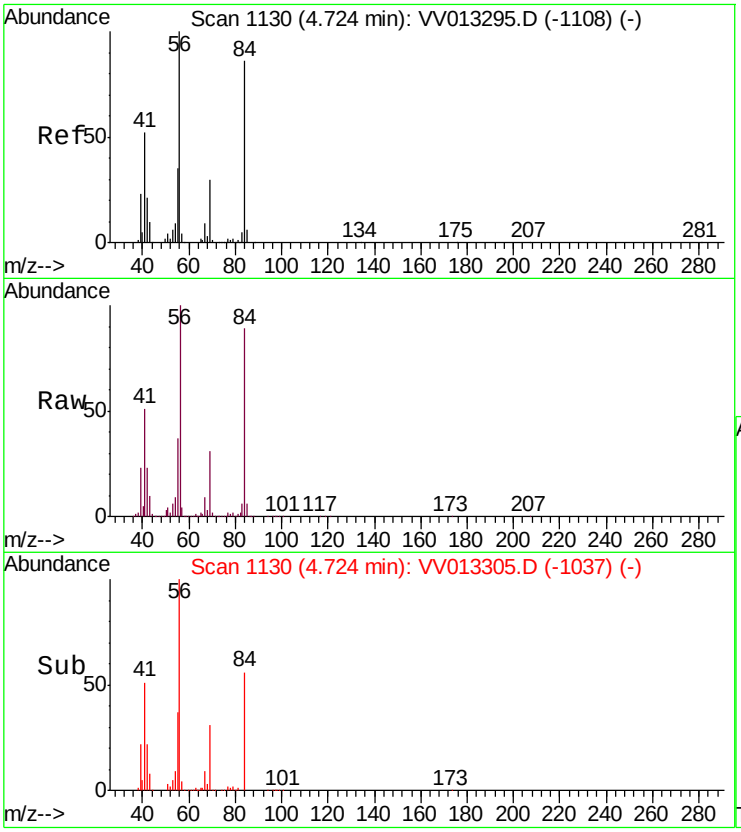




#27
1,2-Dichloroethane
Concen: 48.018 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 62 Resp: 575051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.8 | 8.5 | 12.7 |



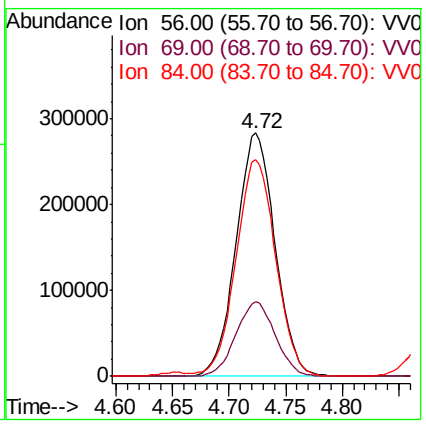


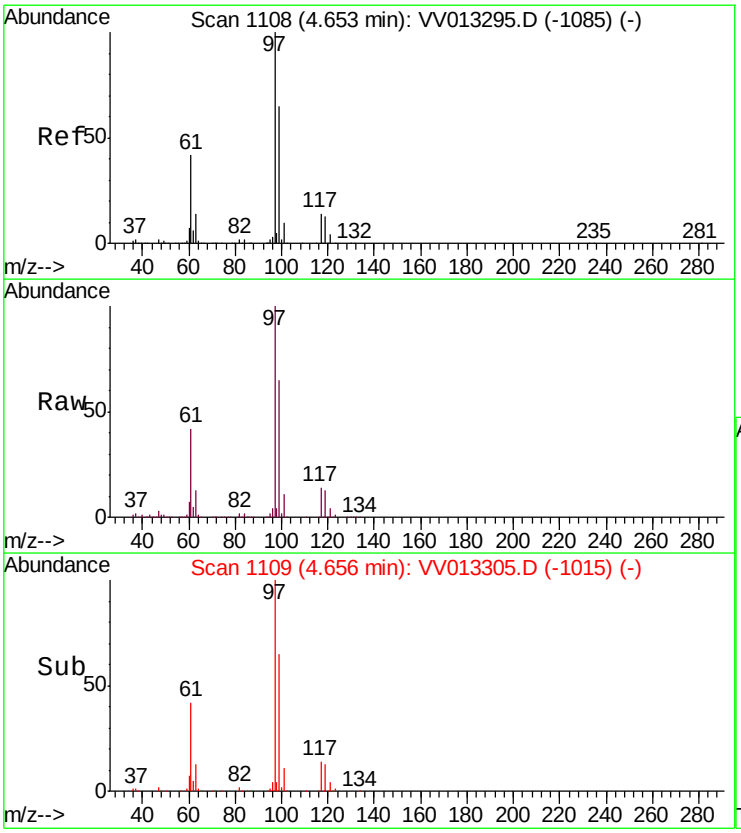

#29
Cyclohexane
Concen: 48.476 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 56 Resp: 678557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 24.4 | 36.6 |
| 84 | 90.2 | 70.5 | 105.7 |

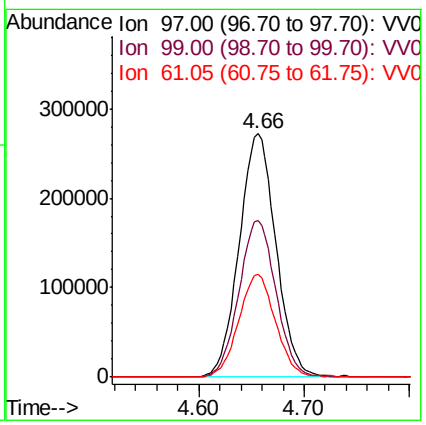


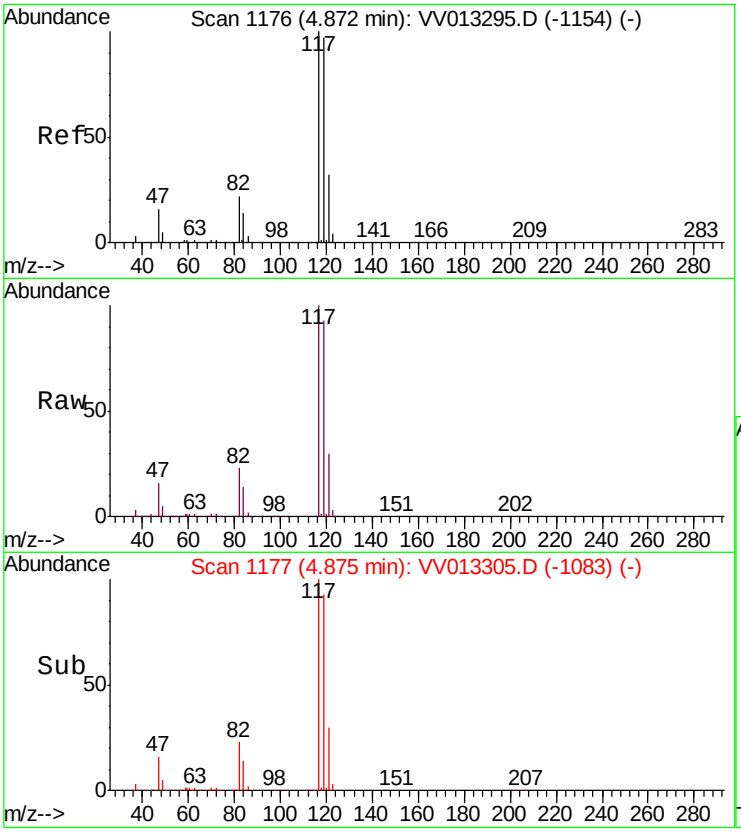




#30
1,1,1-Trichloroethane
Concen: 47.216 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 97 Resp: 660097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 51.0 | 76.6 |
| 61 | 41.9 | 33.2 | 49.8 |



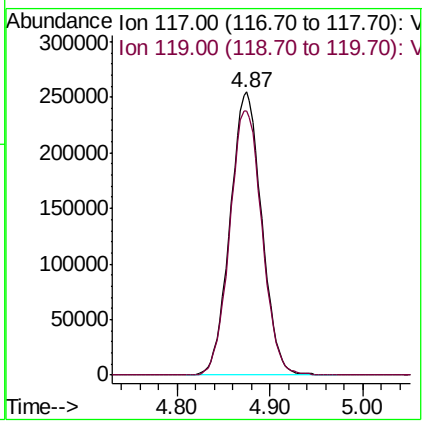


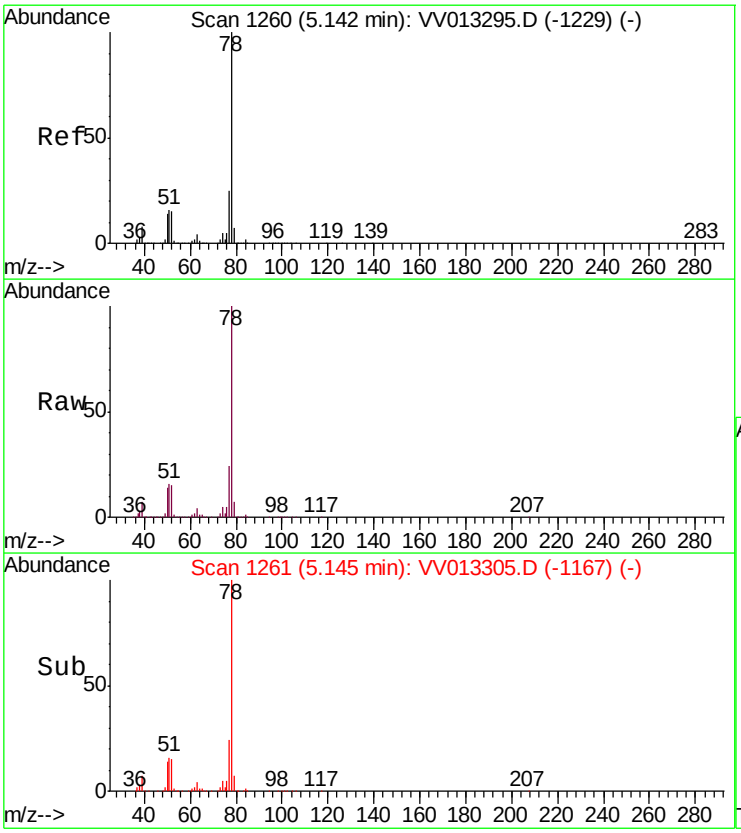

#31
Carbon tetrachloride
Concen: 47.704 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05077

Tgt Ion:117 Resp: 601287

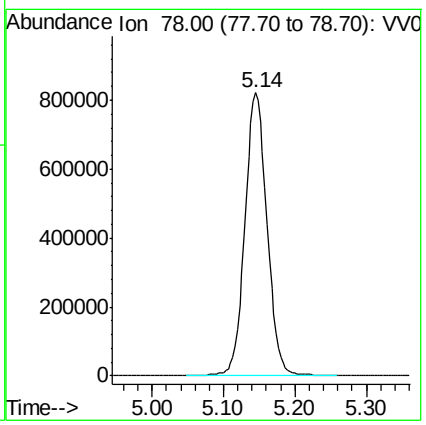
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 76.6 | 115.0 |

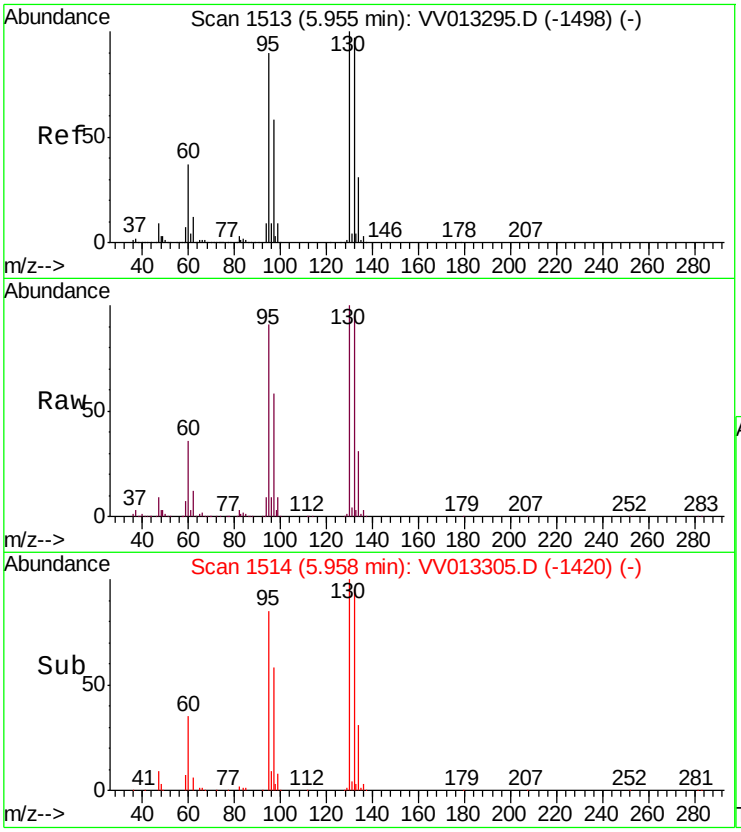



#33
Benzene
Concen: 48.321 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 78 Resp: 1772980



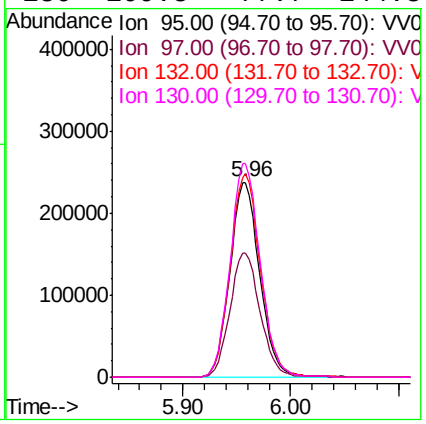


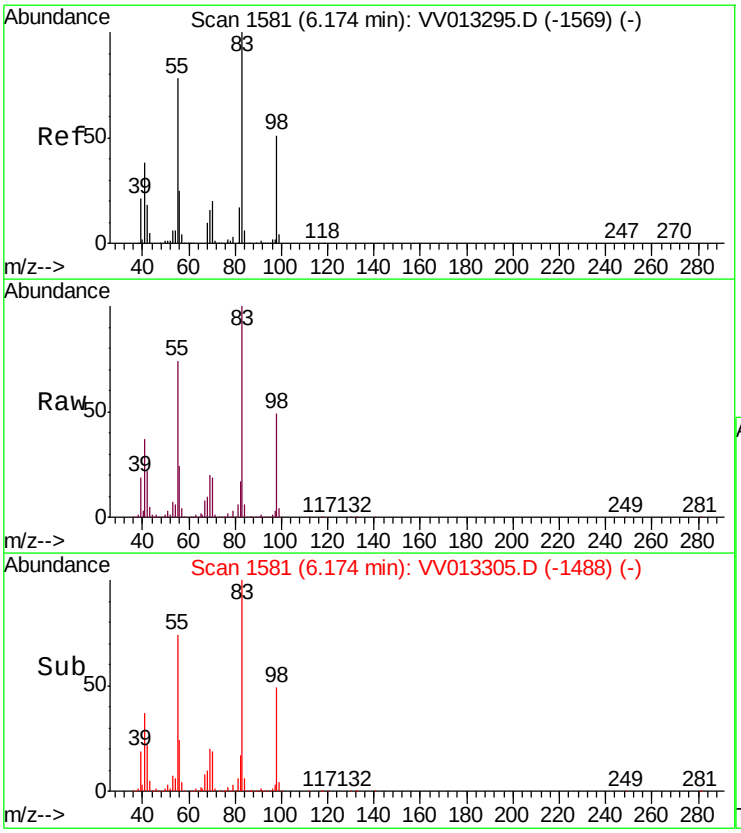

#34
Trichloroethene
Concen: 47.743 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 95 Resp: 458638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.6 | 45.3 | 84.1 |
| 132 | 104.1 | 75.5 | 140.1 |
| 130 | 109.3 | 77.7 | 144.3 |

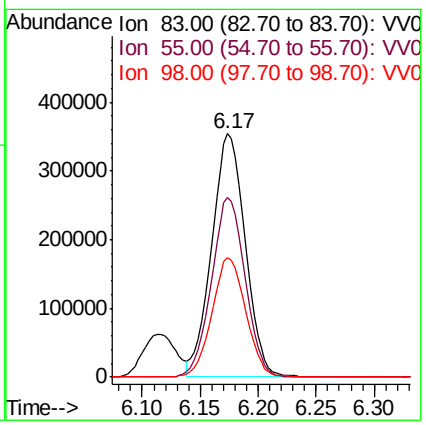


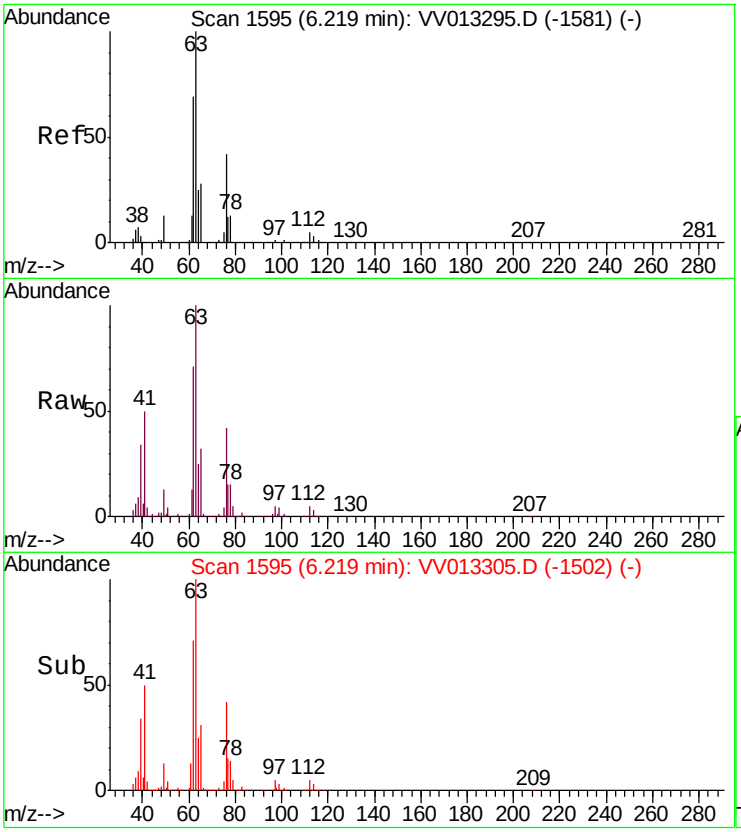




#35
Methylcyclohexane
Concen: 49.048 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 83 Resp: 716145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.5 | 59.0 | 88.4 |
| 98 | 49.4 | 39.3 | 58.9 |



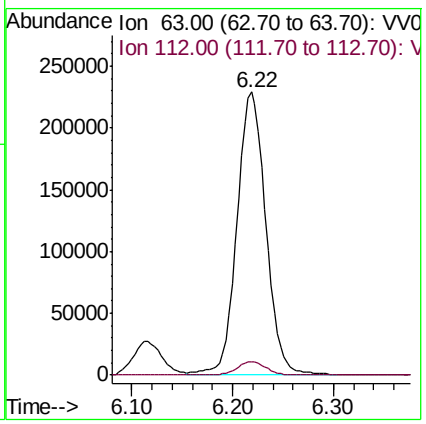


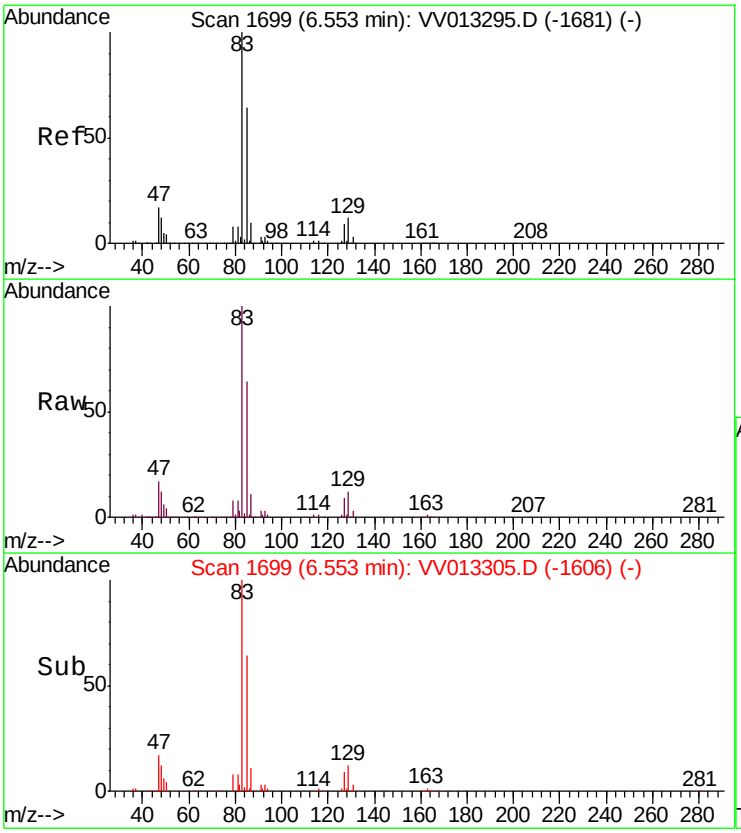

#37
1,2-Dichloropropane
Concen: 48.622 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05077

Tgt Ion: 63 Resp: 449365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.8 | 3.9 | 5.9 |

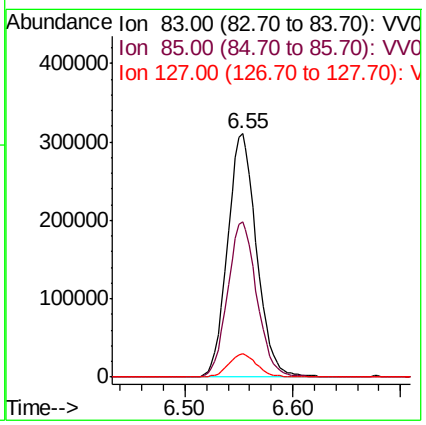


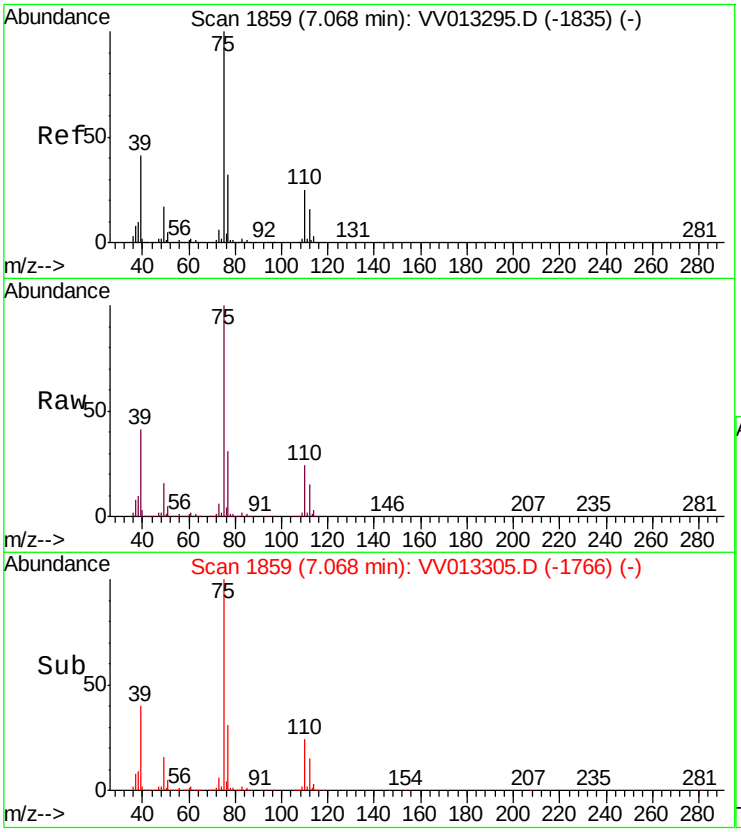




#38
Bromodichloromethane
Concen: 47.890 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 83 Resp: 582888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 44.6 | 82.8 |
| 127 | 9.4 | 7.4 | 11.2 |



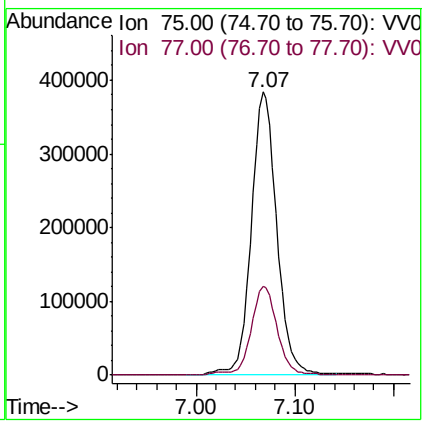


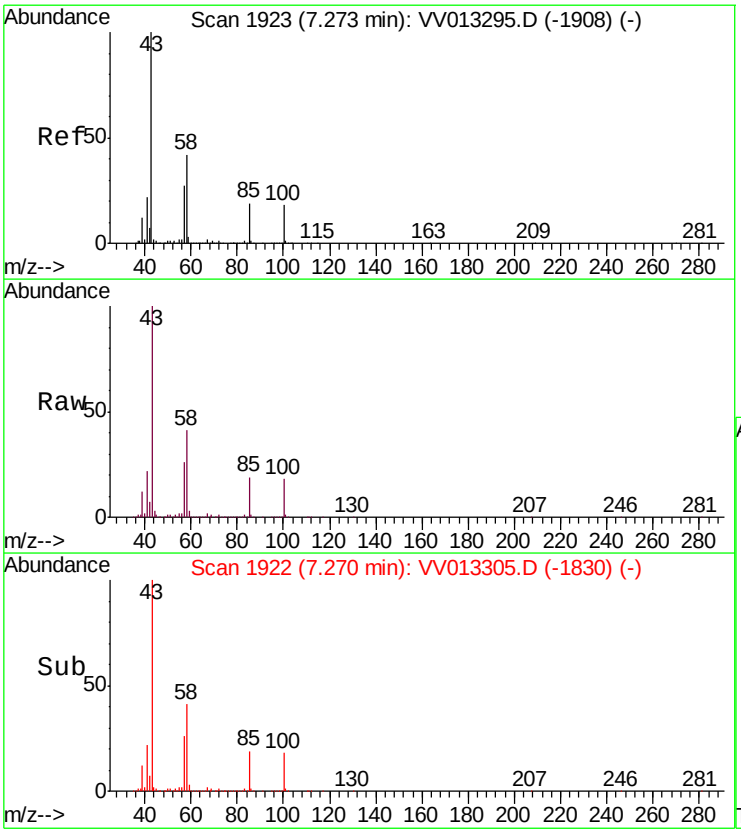

#39
cis-1,3-Dichloropropene
Concen: 49.460 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 75 Resp: 683411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 22.2 | 41.2 |

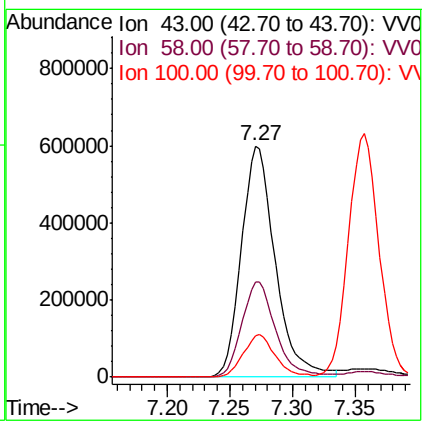


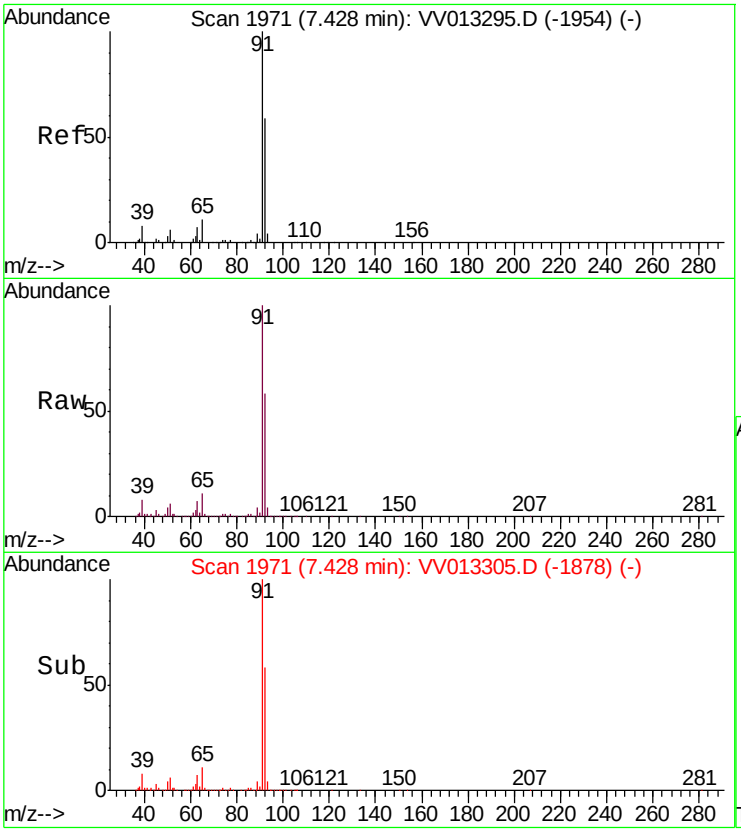




#40
4-Methyl-2-pentanone
Concen: 98.140 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 43 Resp: 1127149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.2 | 33.0 | 49.4 |
| 100 | 17.5 | 13.8 | 20.6 |



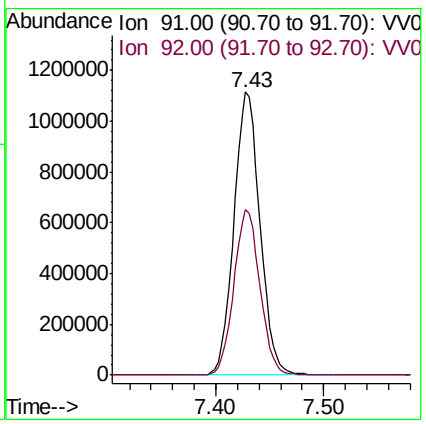


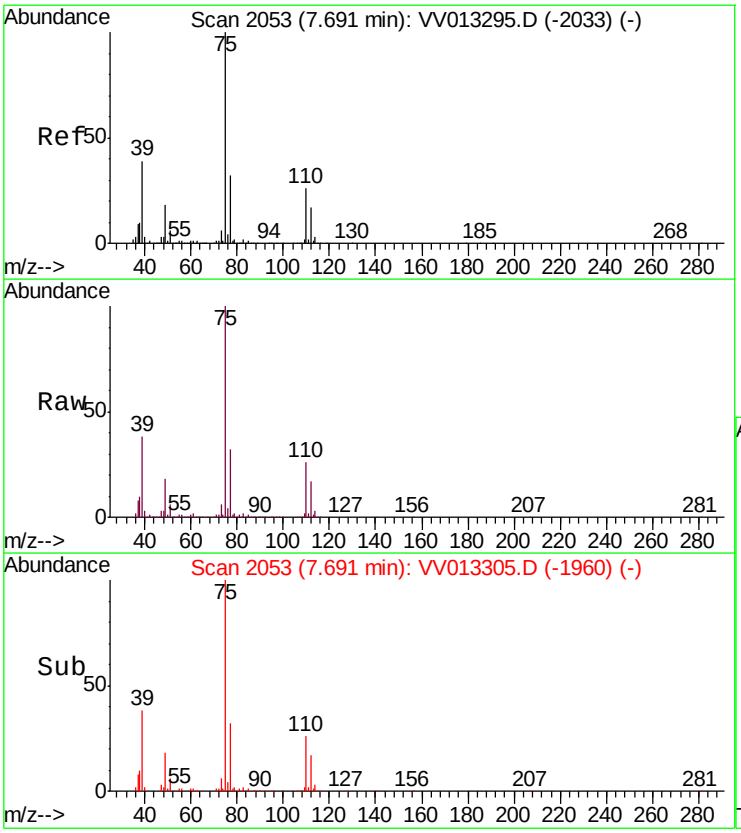

#42
Toluene
Concen: 50.058 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 91 Resp: 1882987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.3 | 41.4 | 77.0 |

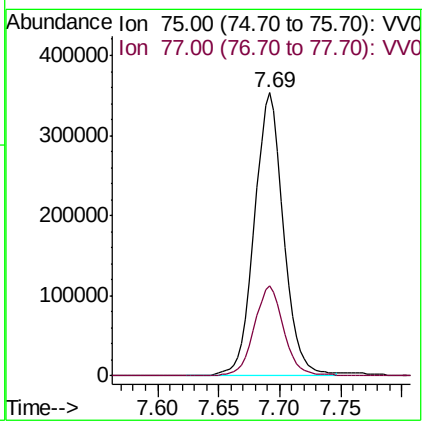


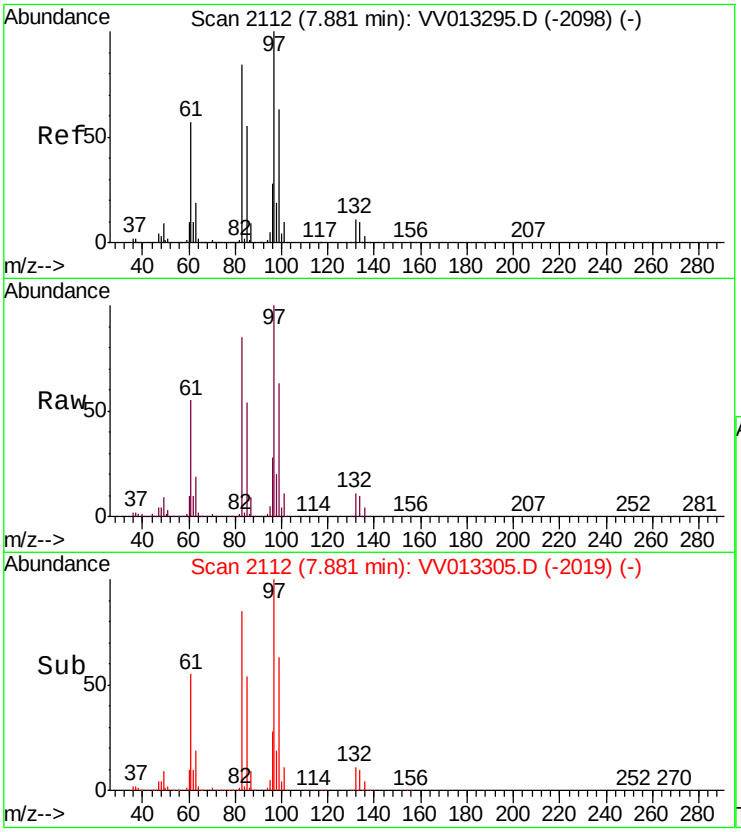




#44
trans-1,3-Dichloropropene
Concen: 49.249 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 75 Resp: 581995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 22.2 | 41.2 |



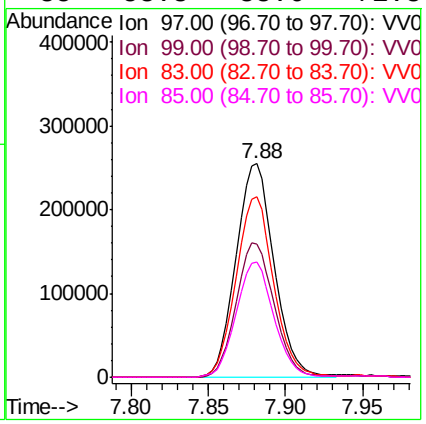


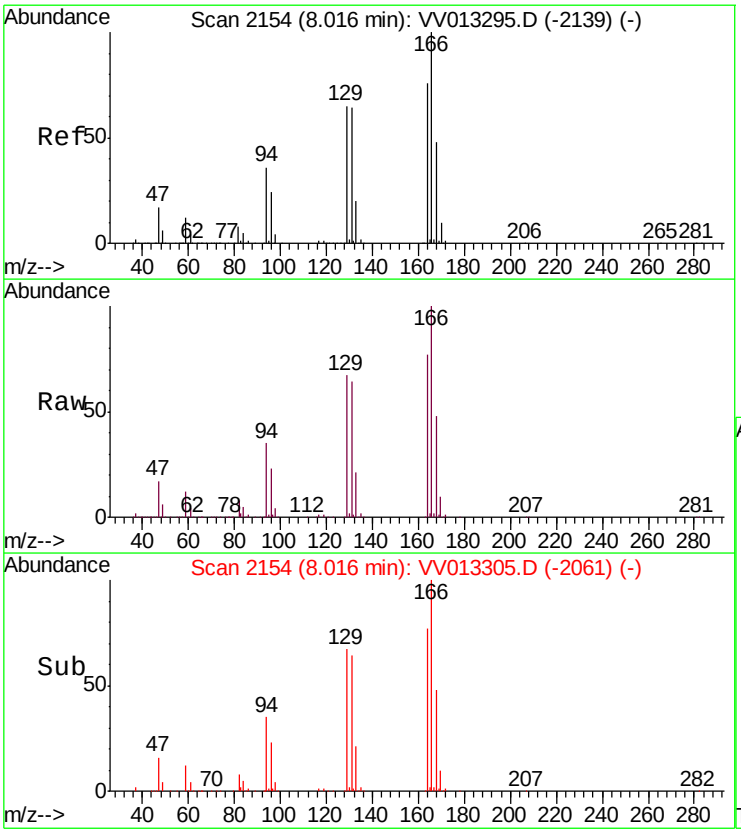

#45
1,1,2-Trichloroethane
Concen: 48.045 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 97 Resp: 437166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.6 | 44.1 | 81.9 |
| 83 | 84.7 | 58.9 | 109.3 |
| 85 | 53.8 | 38.6 | 71.8 |

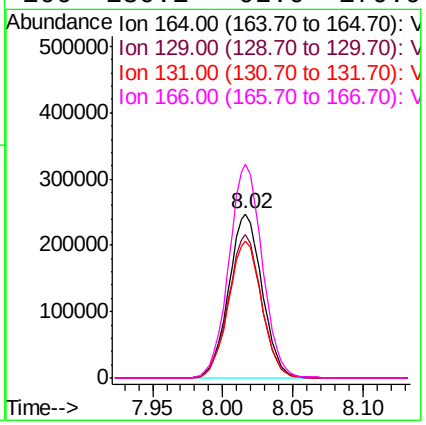


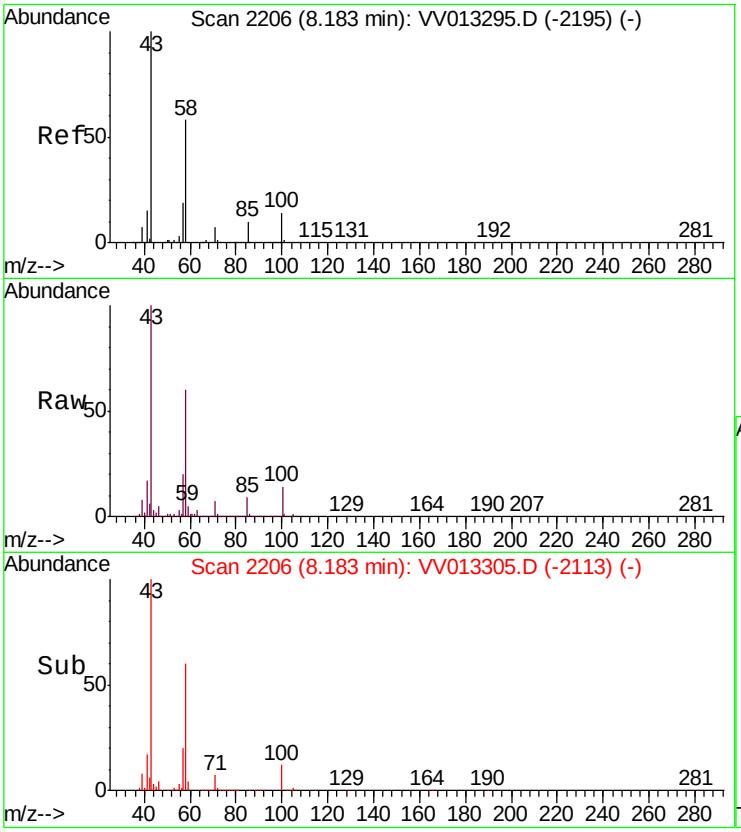




#46
Tetrachloroethene
Concen: 47.813 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:164 Resp: 409659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 87.2 | 59.7 | 110.9 |
| 131 | 83.1 | 59.2 | 110.0 |
| 166 | 130.1 | 92.0 | 170.9 |



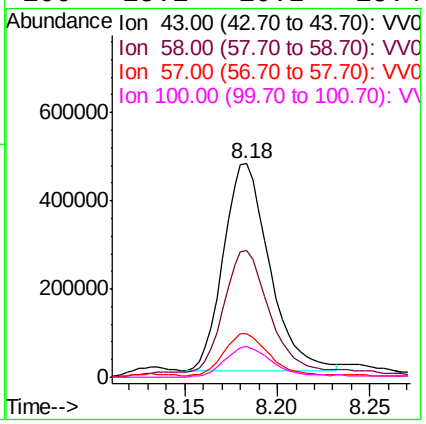


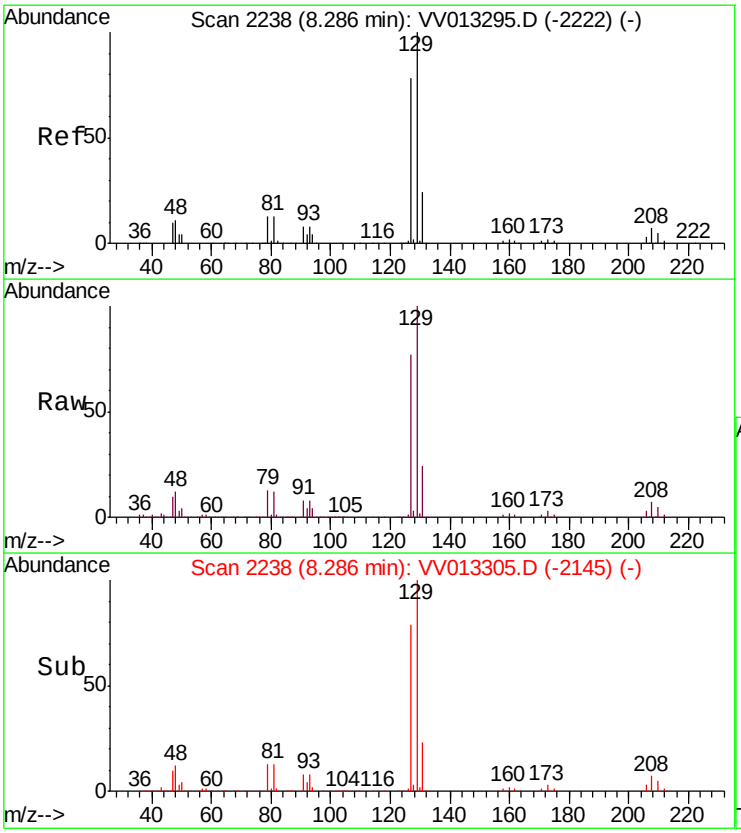

#48
2-Hexanone
Concen: 86.664 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05077

Tgt Ion: 43 Resp: 807929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 67.3 | 47.0 | 70.6 |
| 57 | 19.9 | 13.8 | 20.8 |
| 100 | 15.1 | 10.2 | 15.4 |

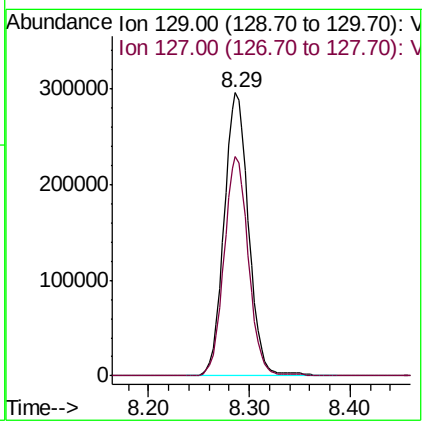


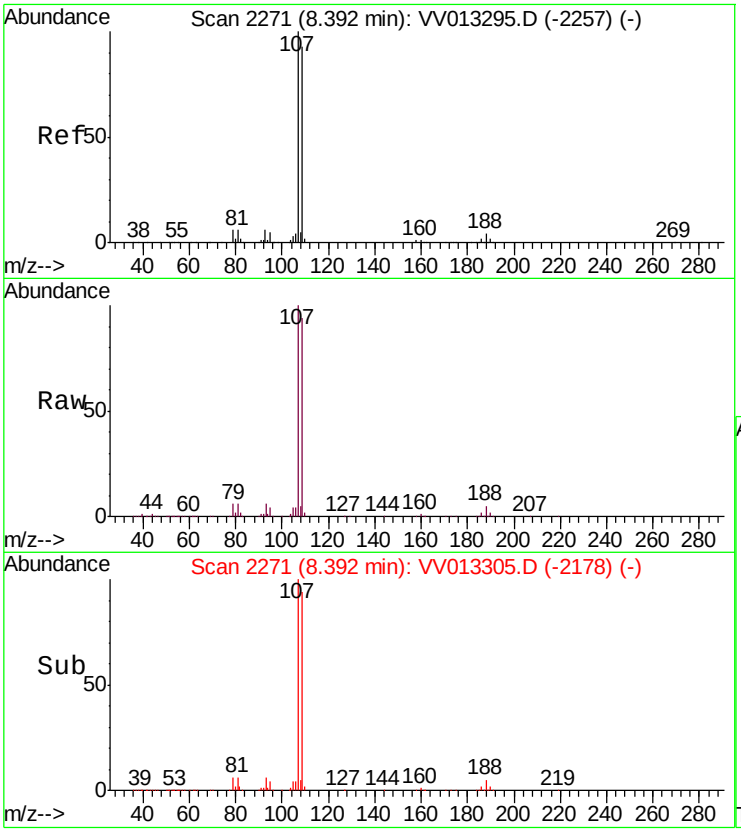




#49
Dibromochloromethane
Concen: 48.808 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:129 Resp: 503130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 54.7 | 101.5 |



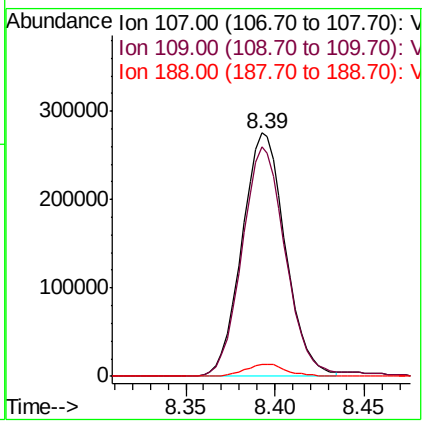


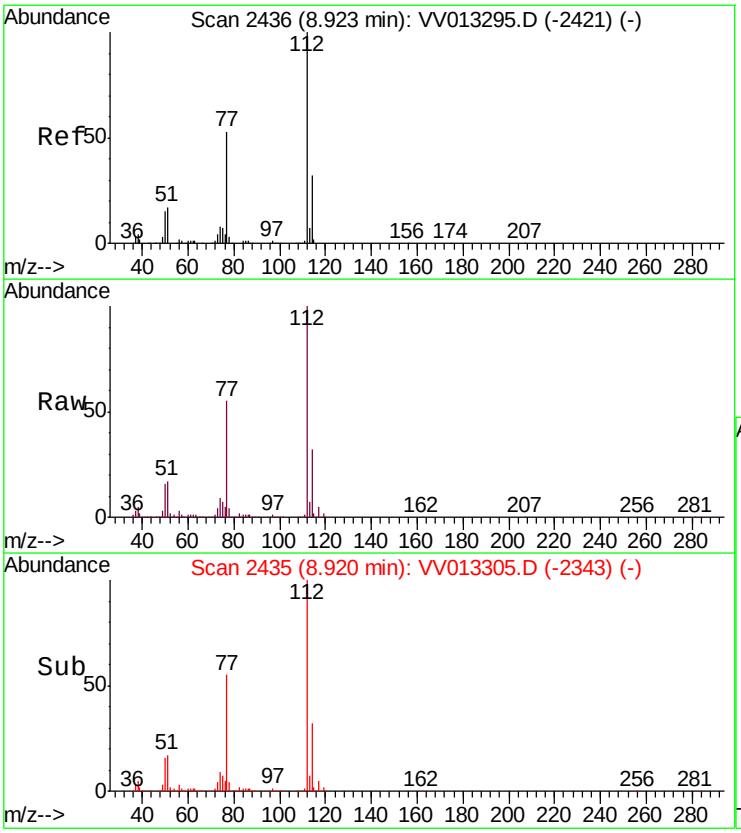

#50
1,2-Dibromoethane
Concen: 48.330 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion:107 Resp: 467293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 65.4 | 121.4 |
| 188 | 4.7 | 3.4 | 5.2 |

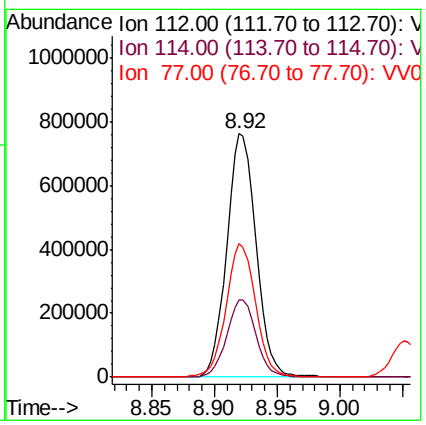


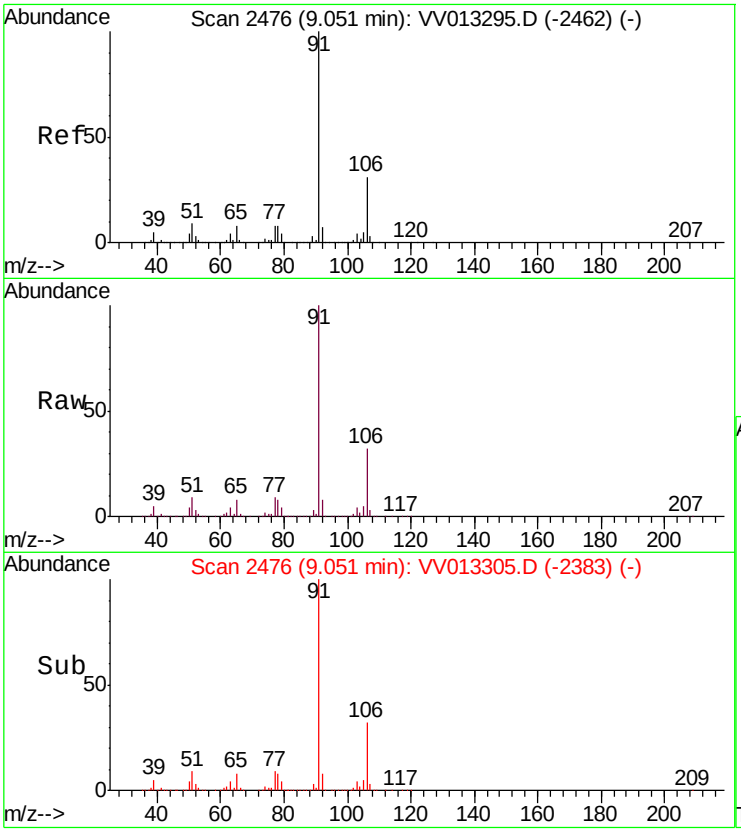




#51
Chlorobenzene
Concen: 48.382 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:112 Resp: 1237565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.6 | 22.7 | 42.3 |
| 77 | 54.7 | 42.5 | 63.7 |



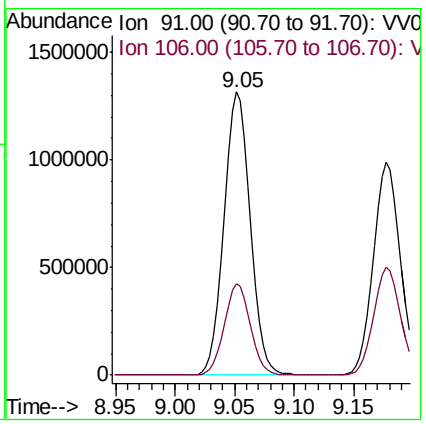


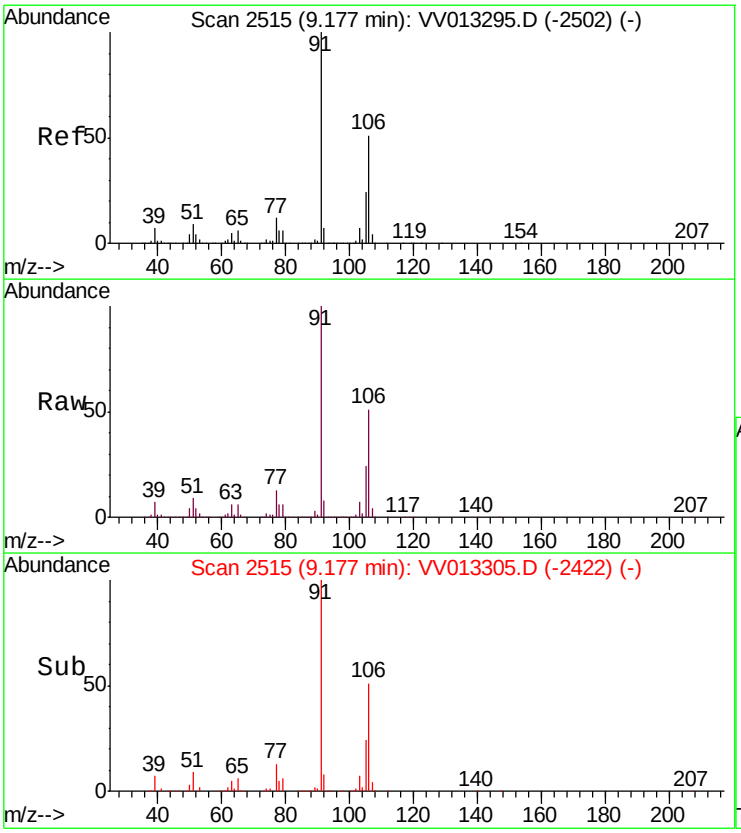

#52
Ethylbenzene
Concen: 50.675 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 91 Resp: 2013801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.4 | 22.0 | 40.8 |

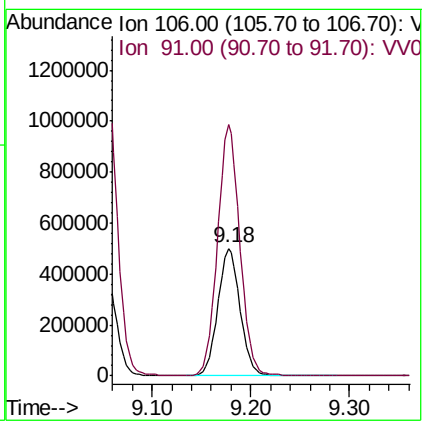


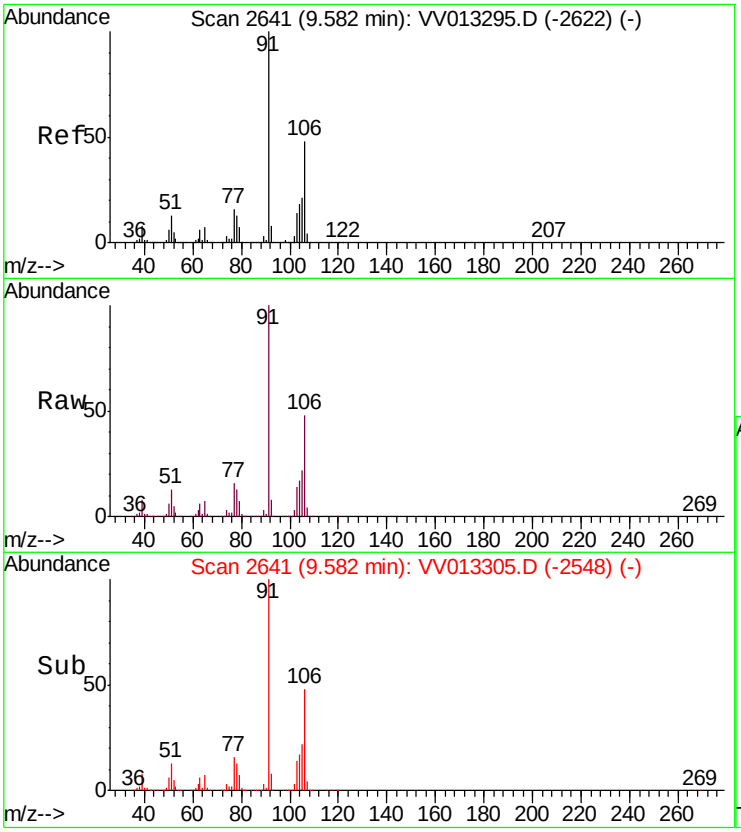




#53
m,p-Xylene
Concen: 51.465 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:106 Resp: 794304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 197.4 | 137.7 | 255.7 |



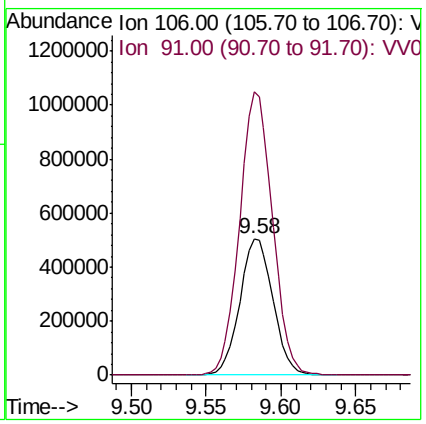


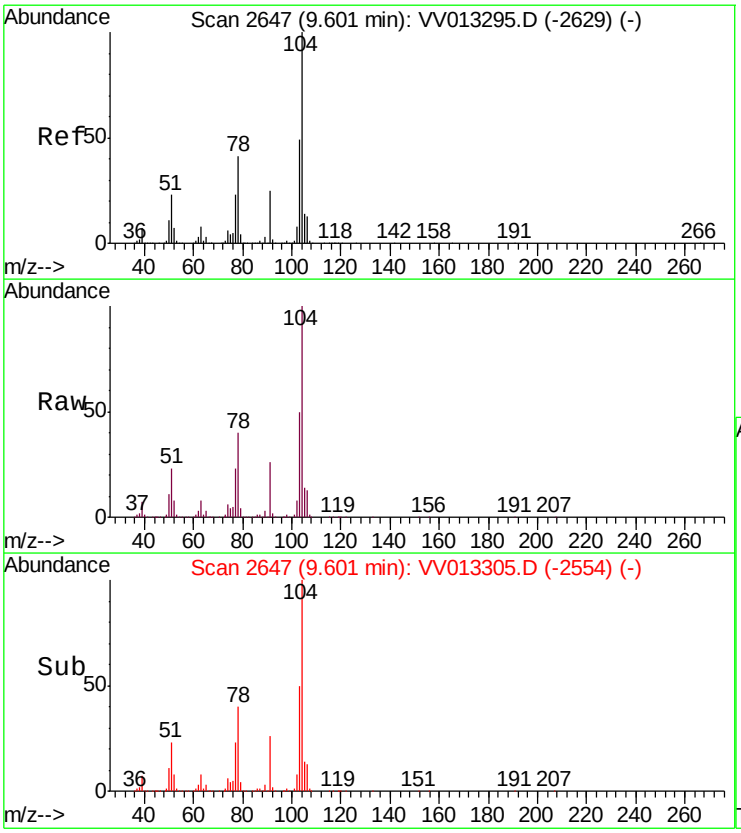

#54
o-xylene
Concen: 51.771 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion:106 Resp: 779209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.3 | 146.2 | 271.6 |

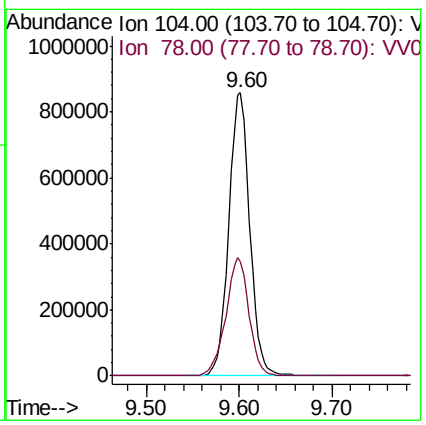


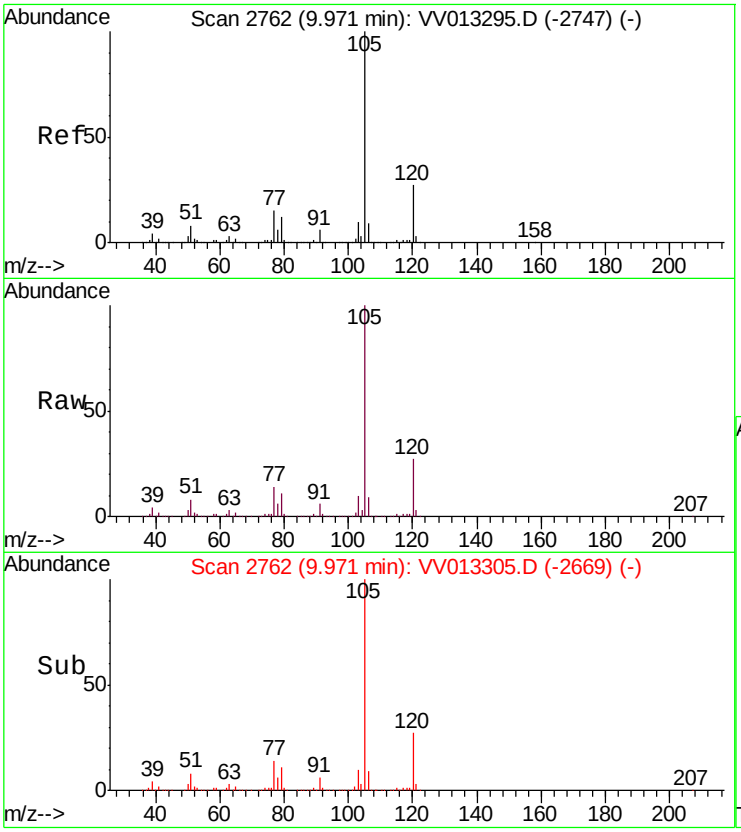




#55
Styrene
Concen: 52.746 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:104 Resp: 1346420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 40.4 | 28.9 | 53.7 |



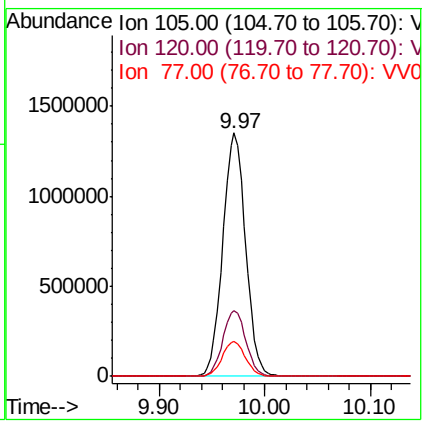


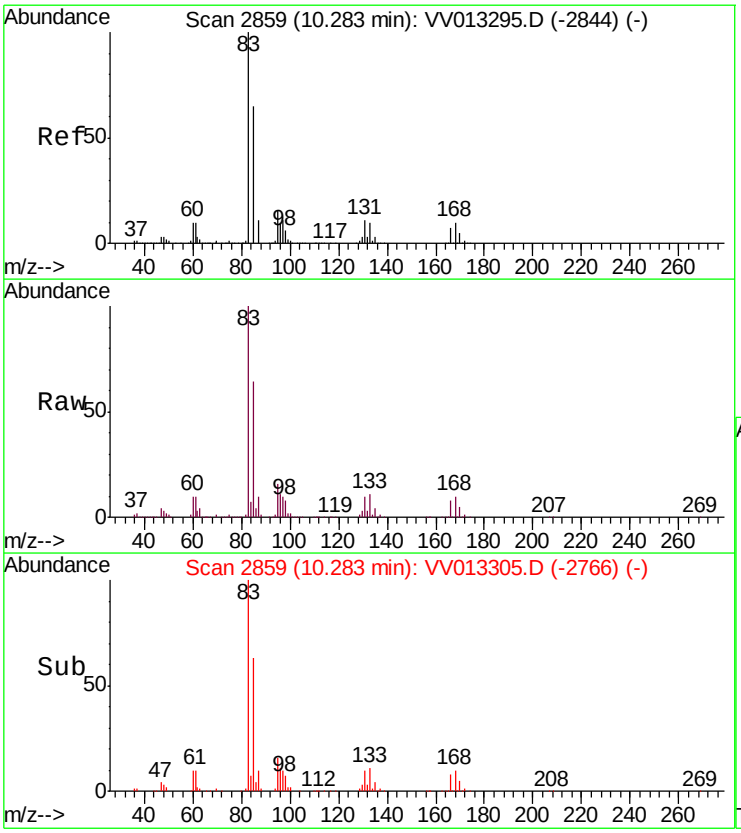

#56
Isopropylbenzene
Concen: 52.533 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion:105 Resp: 2020216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.3 | 21.7 | 32.5 |
| 77 | 14.5 | 11.6 | 17.4 |

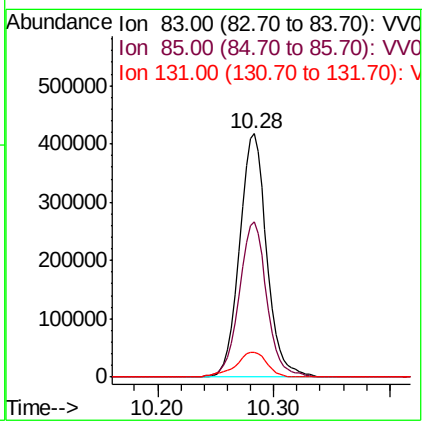


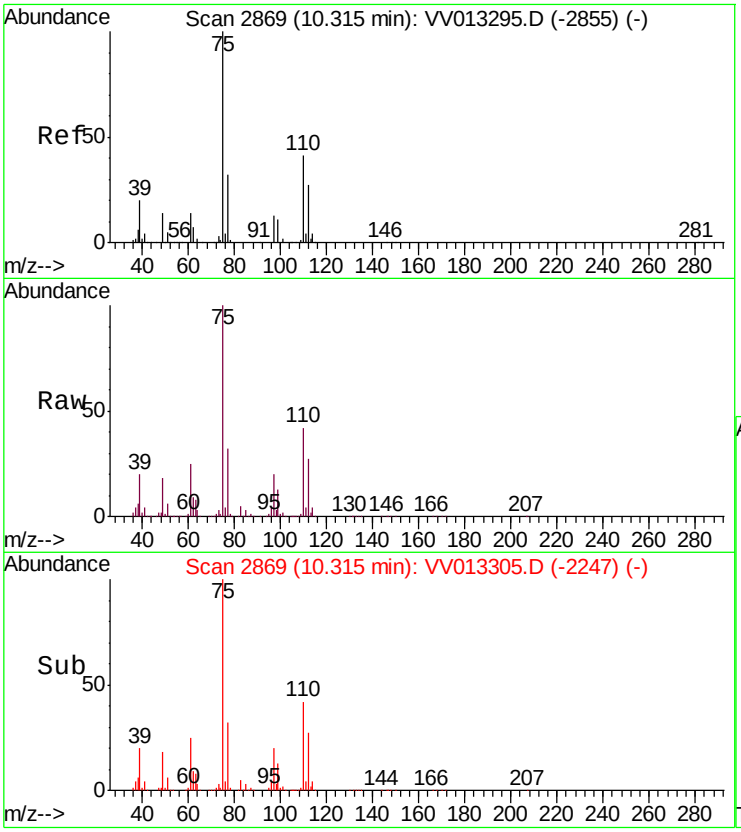




#58
1,1,2,2-Tetrachloroethane
Concen: 48.431 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 83 Resp: 678492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 45.3 | 84.1 |
| 131 | 10.3 | 8.6 | 13.0 |



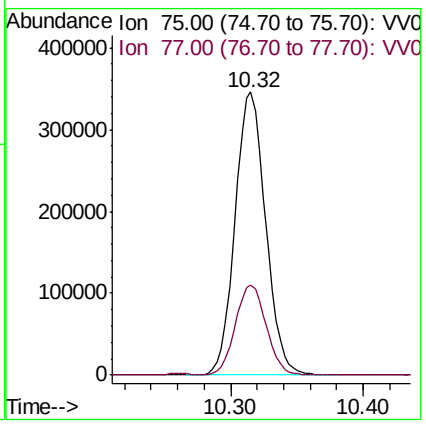


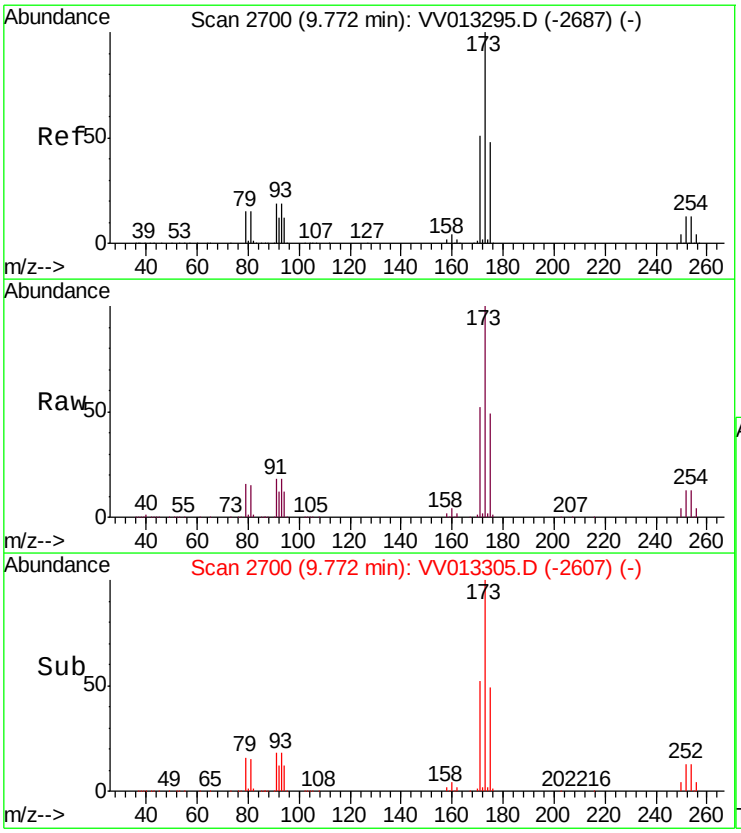

#59
1,2,3-Trichloropropane
Concen: 47.941 ug/L
RT: 10.32 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion: 75 Resp: 552664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.7 | 38.5 |

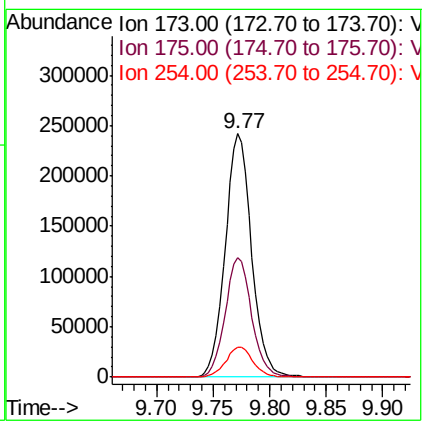


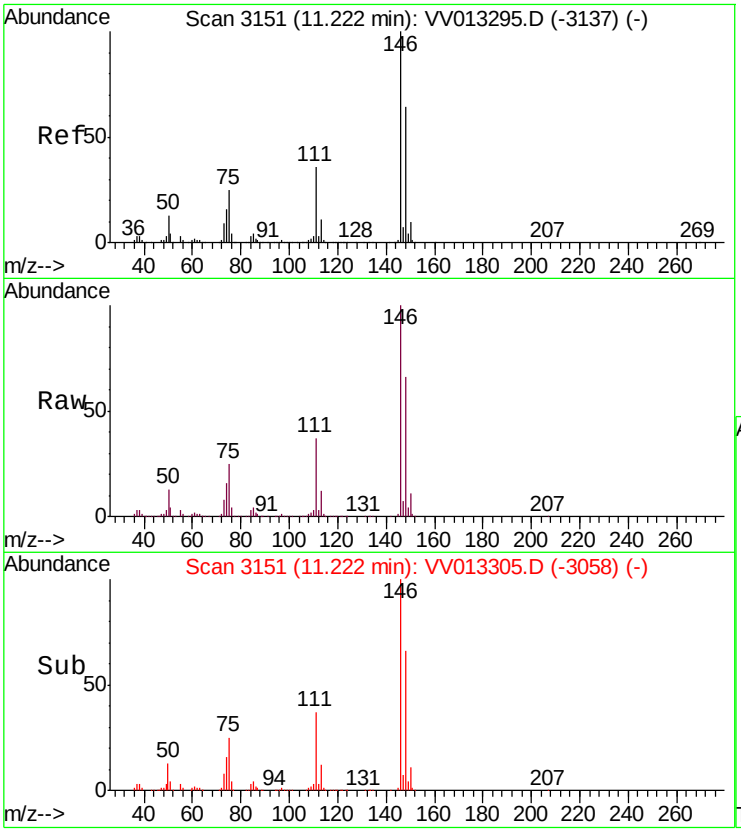




#61
Bromoform
Concen: 46.071 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:173 Resp: 391401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.2 | 39.1 | 58.7 |
| 254 | 12.8 | 10.2 | 15.4 |



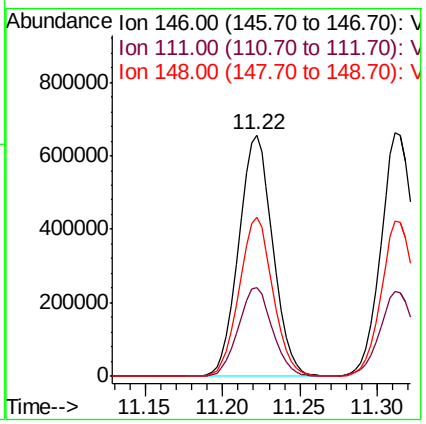


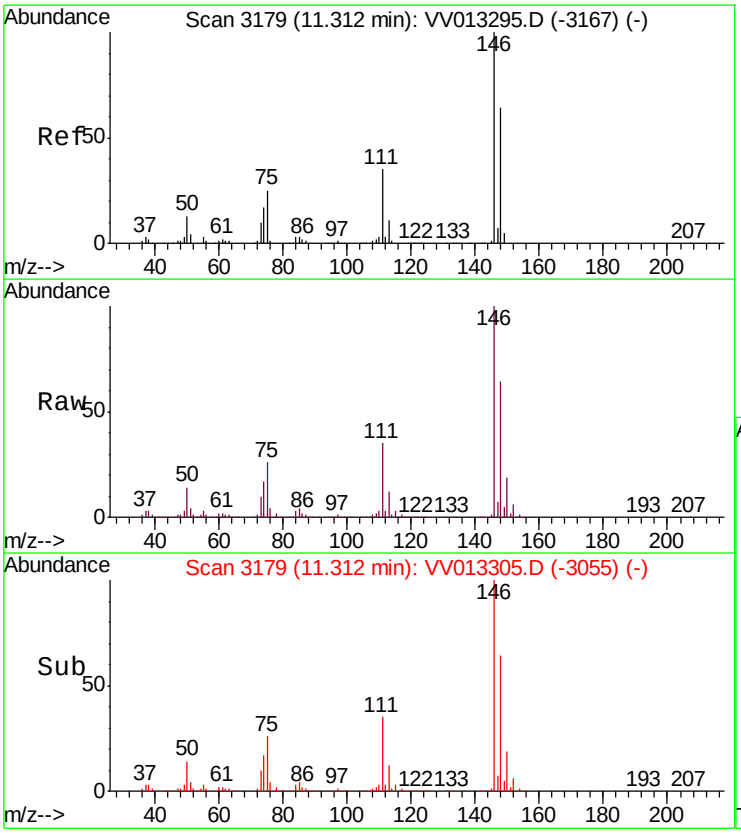

#62
1,3-Dichlorobenzene
Concen: 47.796 ug/L
RT: 11.22 min Scan# 3151
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion:146 Resp: 1004387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.7 | 25.4 | 47.2 |
| 148 | 65.8 | 44.8 | 83.2 |

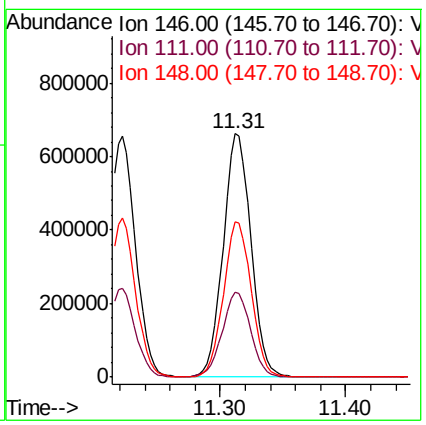


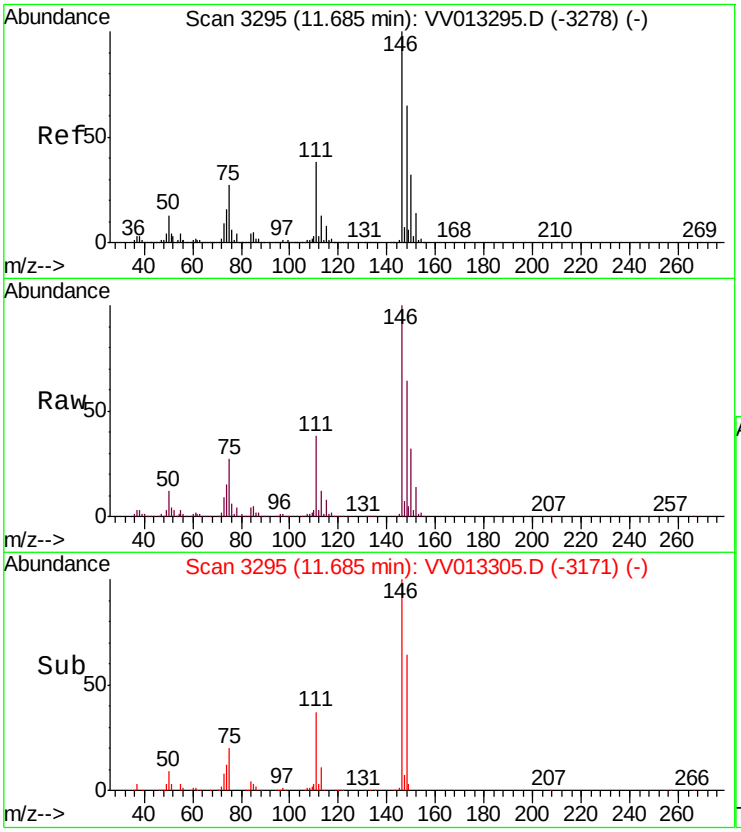




#63
1,4-Dichlorobenzene
Concen: 46.480 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:146 Resp: 1014553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.0 | 24.5 | 45.5 |
| 148 | 63.6 | 45.0 | 83.6 |



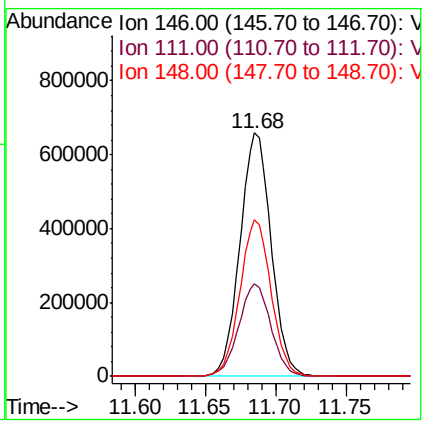


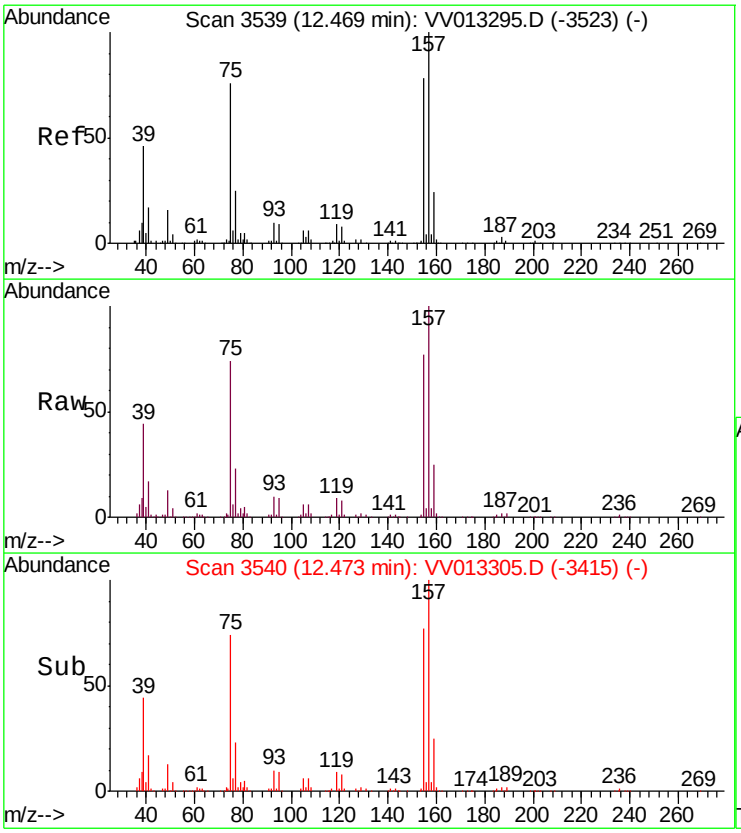

#65
1,2-Dichlorobenzene
Concen: 47.136 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05077

Tgt Ion:146 Resp: 1021147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.8 | 30.7 | 46.1 |
| 148 | 64.1 | 52.0 | 78.0 |

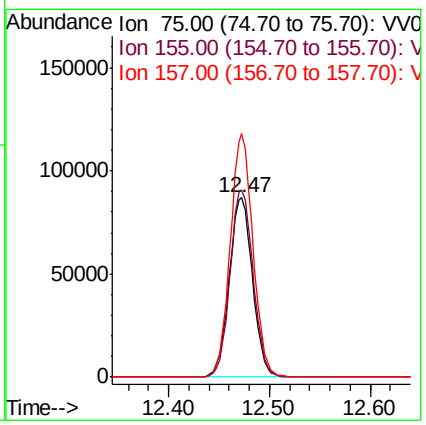


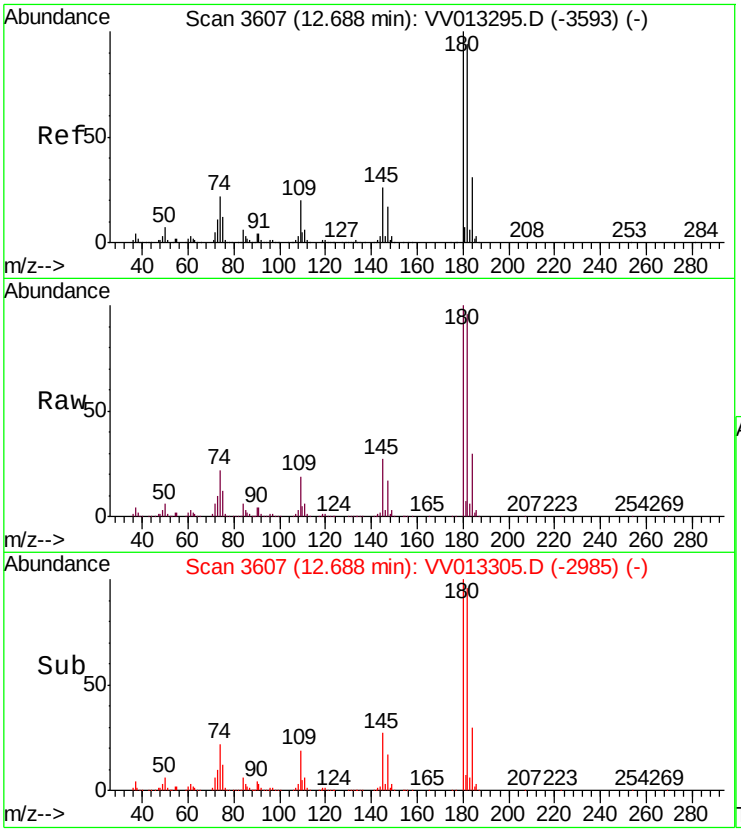




#66
1,2-Dibromo-3-chloropropane
Concen: 46.350 ug/L
RT: 12.47 min Scan# 3540
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion: 75 Resp: 140846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 105.0 | 81.8 | 122.8 |
| 157 | 136.0 | 105.4 | 158.2 |



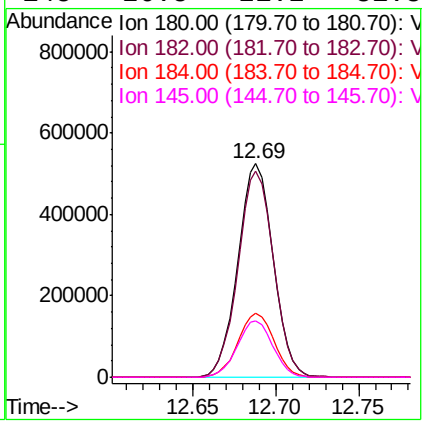


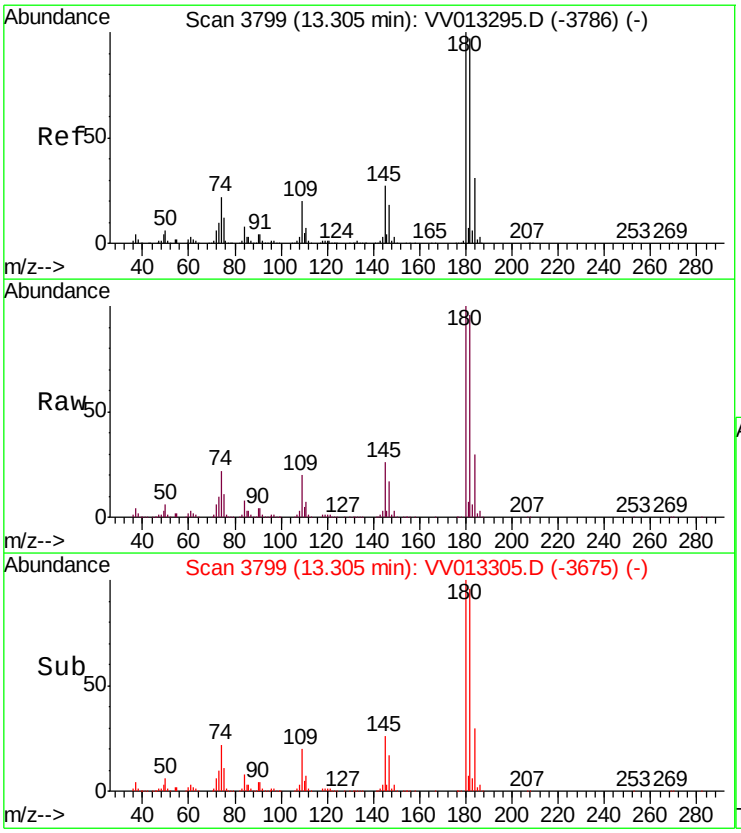

#67
1,3,5-Trichlorobenzene
Concen: 49.330 ug/L
RT: 12.69 min Scan# 3607
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion:180 Resp: 780690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 76.3 | 114.5 |
| 184 | 30.5 | 24.8 | 37.2 |
| 145 | 26.5 | 21.2 | 31.8 |

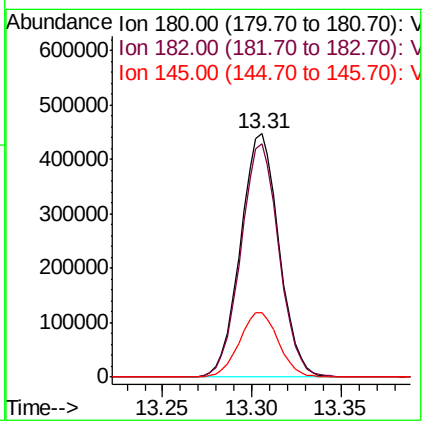


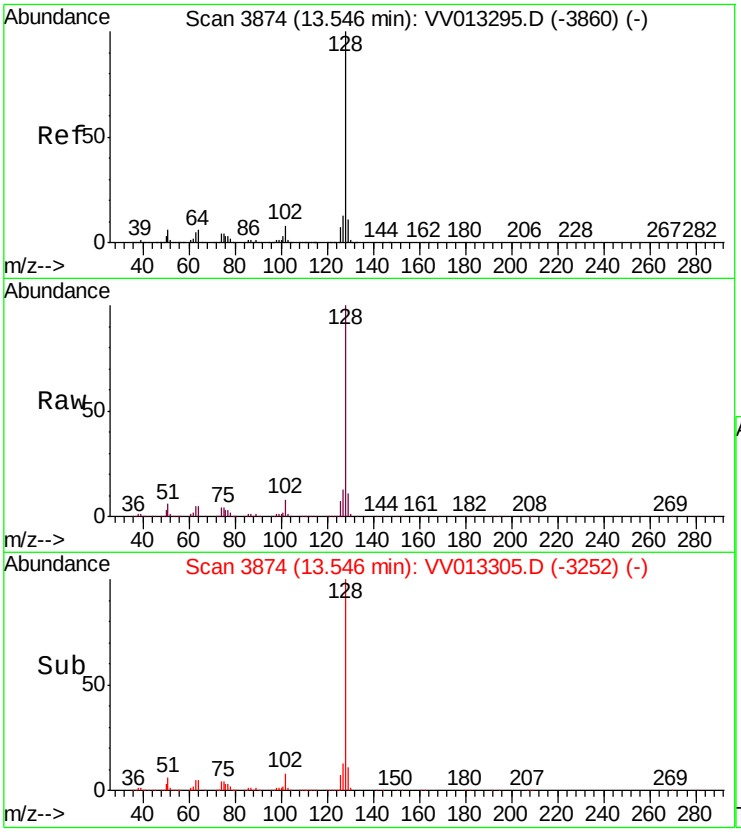




#68
1,2,4-trichlorobenzene
Concen: 50.715 ug/L
RT: 13.31 min Scan# 3799
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:180 Resp: 673621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 77.3 | 115.9 |
| 145 | 26.9 | 21.7 | 32.5 |



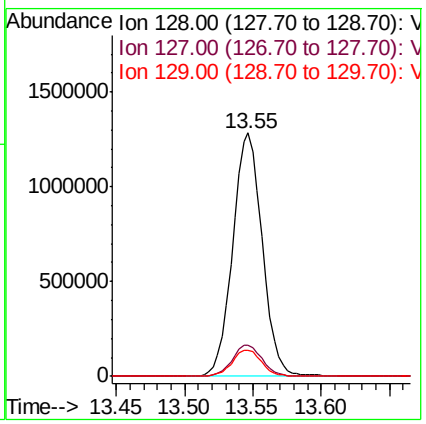


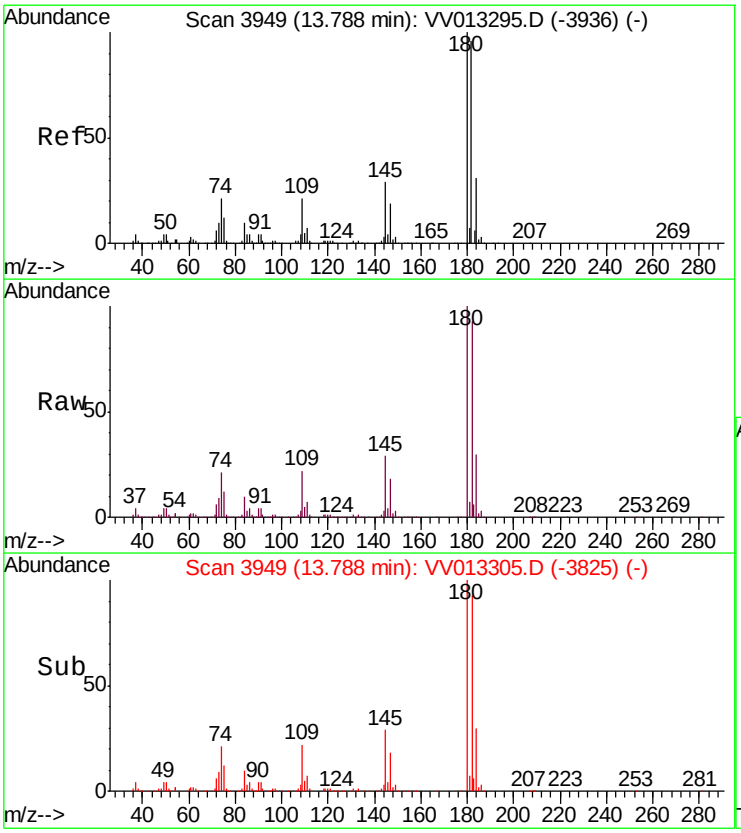

#69
Naphthalene
Concen: 53.592 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05077

Tgt Ion:128 Resp: 1927629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.4 | 15.6 |
| 129 | 10.9 | 8.6 | 12.8 |




#70
1,2,3-Trichlorobenzene
Concen: 52.162 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV013305.D
Acq: 23 Oct 2019 19:26

Tgt Ion:180 Resp: 742228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.5 | 77.0 | 115.6 |
| 145 | 28.8 | 23.4 | 35.2 |