Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121318\

Quantitation Report (Not Reviewed)

Data File : VV008909.D
Acq On : 13 Dec 2018 15:19
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Quant Time: Dec 14 01:02:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 00:58:41 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 213679 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 199901 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 97415 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 59456 | 47.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 95.30% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 43593 | 55.51 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 111.02% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 145983 | 49.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 99.08% | | | |
| 21) 2-Butanone-d5 | 3.93 | 46 | 88186 | 105.84 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 105.84% | | | |
| 24) Chloroform-d | 4.40 | 84 | 137006 | 51.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 102.92% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 86378 | 50.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.86% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 271242 | 50.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.70% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 79164 | 48.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 97.80% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 256607 | 50.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.50% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 43797 | 53.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 106.70% | | | |
| 47) 2-Hexanone-d5 | 8.13 | 63 | 66205 | 110.50 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 110.50% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 108924 | 52.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 104.24% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 103707 | 51.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.24% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 75892 | 50.566 | ug/L | 100 |
| 3) Chloromethane | 1.25 | 50 | 62284 | 49.458 | ug/L | 95 |
| 5) Vinyl chloride | 1.32 | 62 | 63868 | 48.555 | ug/L | 99 |
| 6) Bromomethane | 1.52 | 94 | 30704 | 43.628 | ug/L | 99 |
| 8) Chloroethane | 1.59 | 64 | 36056 | 53.739 | ug/L | 96 |
| 9) Trichlorofluoromethane | 1.76 | 101 | 121354 | 50.918 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 74159 | 50.851 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 63969 | 48.213 | ug/L | 97 |
| 13) Acetone | 2.19 | 43 | 114894 | 91.707 | ug/L | 96 |
| 14) Carbon disulfide | 2.32 | 76 | 175520 | 48.446 | ug/L | 100 |
| 15) Methyl Acetate | 2.46 | 43 | 68518 | 50.532 | ug/L | 99 |
| 16) Methylene chloride | 2.53 | 84 | 72097 | 48.800 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 2.79 | 96 | 67310 | 50.130 | ug/L | 96 |
| 18) Methyl tert-butyl Ether | 2.80 | 73 | 219437 | 51.340 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 122289 | 51.592 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.96 | 96 | 76155 | 49.440 | ug/L | 93 |
| 22) 2-Butanone | 4.01 | 43 | 106782 | 101.524 | ug/L | 97 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121318\

Quantitation Report (Not Reviewed)

Data File : VV008909.D
Acq On : 13 Dec 2018 15:19
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Quant Time: Dec 14 01:02:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 00:58:41 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 40619 | 50.385 | ug/L | | 94 |
| 25) Chloroform | 4.43 | 83 | 132262 | 50.053 | ug/L | | 98 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 102207 | 49.782 | ug/L | | 100 |
| 29) Cyclohexane | 4.73 | 56 | 107250 | 50.369 | ug/L | | 99 |
| 30) 1,1,1-Trichloroethane | 4.66 | 97 | 120364 | 49.140 | ug/L | | 100 |
| 31) Carbon tetrachloride | 4.88 | 117 | 108863 | 49.224 | ug/L | | 100 |
| 33) Benzene | 5.15 | 78 | 276038 | 50.095 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 79223 | 49.804 | ug/L | | 100 |
| 35) Methylcyclohexane | 6.18 | 83 | 122313 | 51.850 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 71741 | 50.359 | ug/L | | 99 |
| 38) Bromodichloromethane | 6.56 | 83 | 97305 | 49.356 | ug/L | | 100 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 116531 | 51.293 | ug/L | | 97 |
| 40) 4-Methyl-2-pentanone | 7.27 | 43 | 167024 | 101.483 | ug/L | | 99 |
| 42) Toluene | 7.43 | 91 | 301375 | 51.191 | ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 109769 | 51.835 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 73468 | 50.929 | ug/L | | 99 |
| 46) Tetrachloroethene | 8.02 | 164 | 65880 | 52.010 | ug/L | | 95 |
| 48) 2-Hexanone | 8.18 | 43 | 132518 | 96.683 | ug/L | | 96 |
| 49) Dibromochloromethane | 8.29 | 129 | 85574 | 51.044 | ug/L | | 97 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 78625 | 50.993 | ug/L | # | 99 |
| 51) Chlorobenzene | 8.93 | 112 | 202647 | 50.375 | ug/L | | 100 |
| 52) Ethylbenzene | 9.06 | 91 | 339577 | 52.269 | ug/L | | 100 |
| 53) m,p-Xylene | 9.18 | 106 | 128022 | 51.675 | ug/L | | 96 |
| 54) o-xylene | 9.59 | 106 | 129317 | 52.773 | ug/L | | 97 |
| 55) Styrene | 9.60 | 104 | 216064 | 53.331 | ug/L | | 100 |
| 56) Isopropylbenzene | 9.98 | 105 | 344474 | 53.257 | ug/L | | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 107534 | 50.744 | ug/L | | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 89617 | 49.952 | ug/L | | 98 |
| 61) Bromoform | 9.78 | 173 | 62305 | 49.781 | ug/L | | 100 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 162261 | 51.960 | ug/L | | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 165040 | 52.485 | ug/L | | 98 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 166969 | 52.657 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 23271 | 53.686 | ug/L | | 99 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 114873 | 57.077 | ug/L | | 99 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 80739 | 58.485 | ug/L | | 99 |
| 69) Naphthalene | 13.55 | 128 | 174552 | 50.569 | ug/L | | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 80567 | 57.953 | ug/L | | 99 |

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

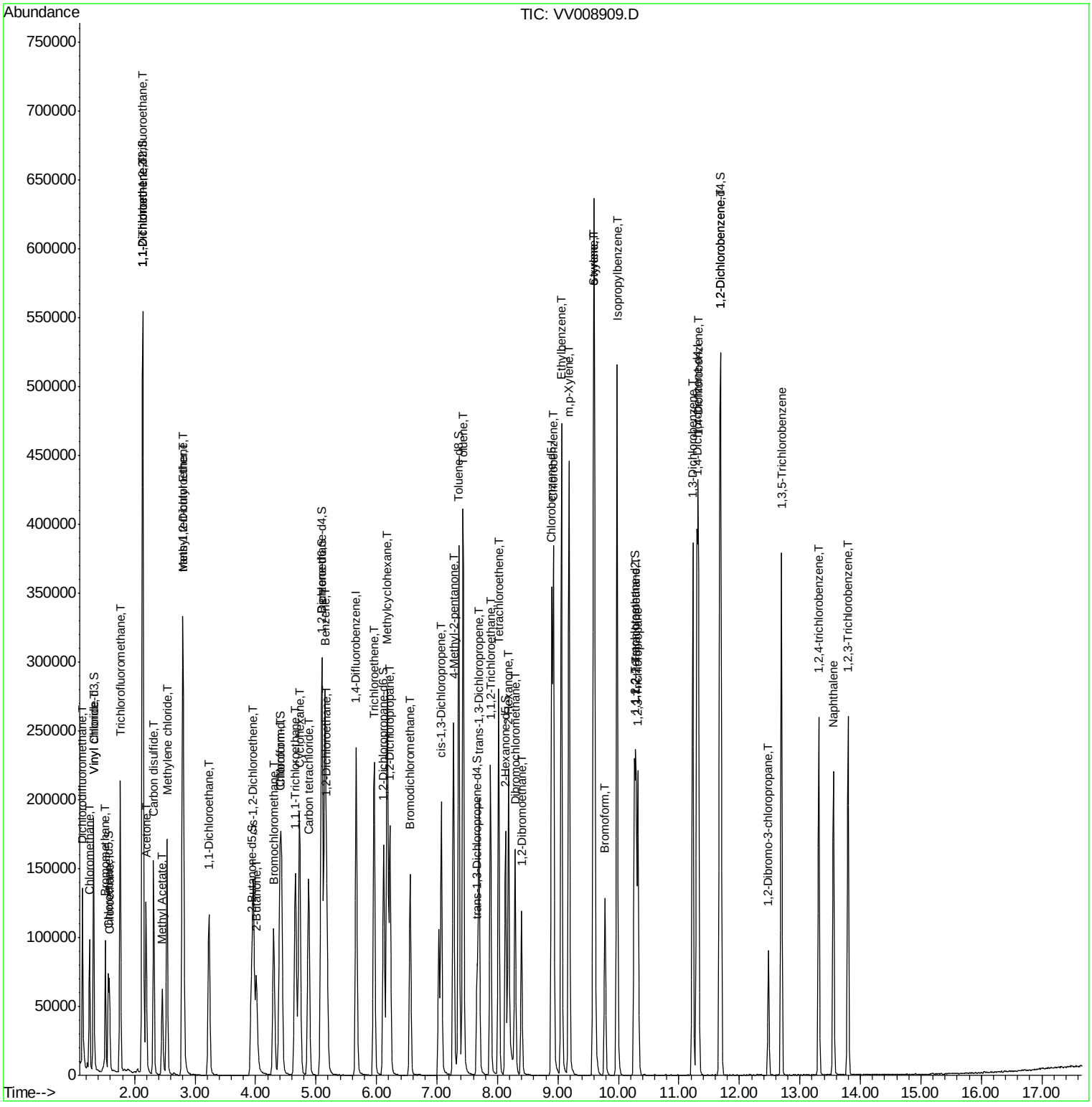
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121318\

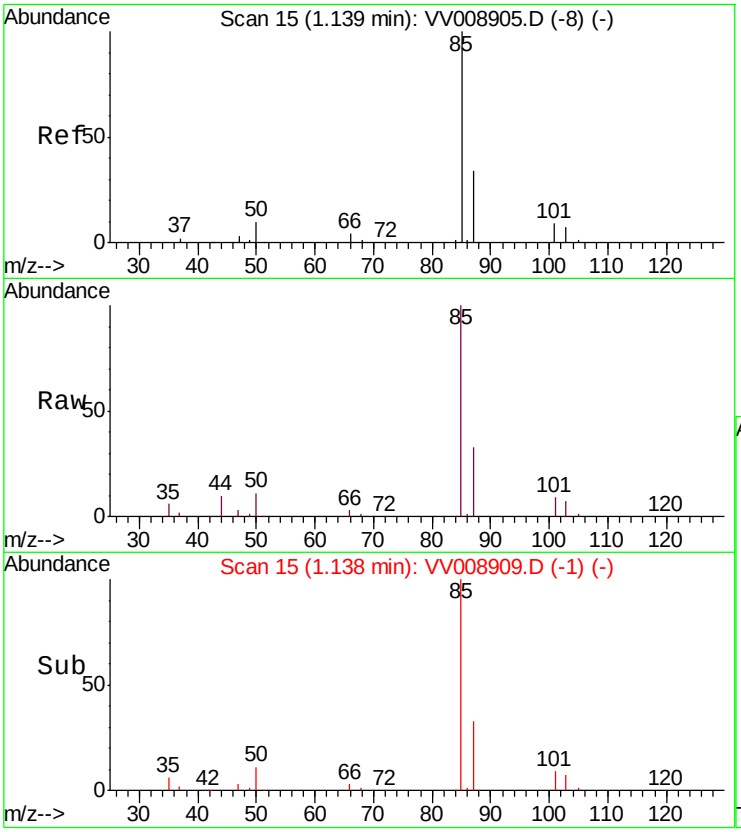
Quantitation Report (Not Reviewed)

Data File : VV008909.D
Acq On : 13 Dec 2018 15:19
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Quant Time: Dec 14 01:02:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 00:58:41 2018
Response via : Initial Calibration



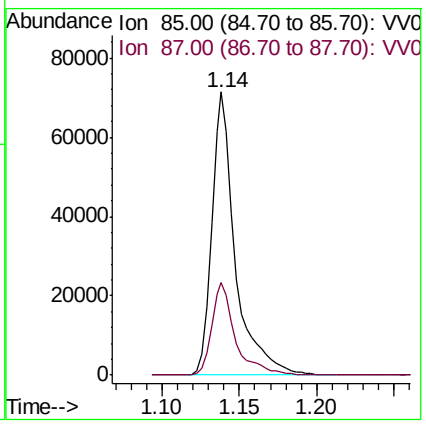


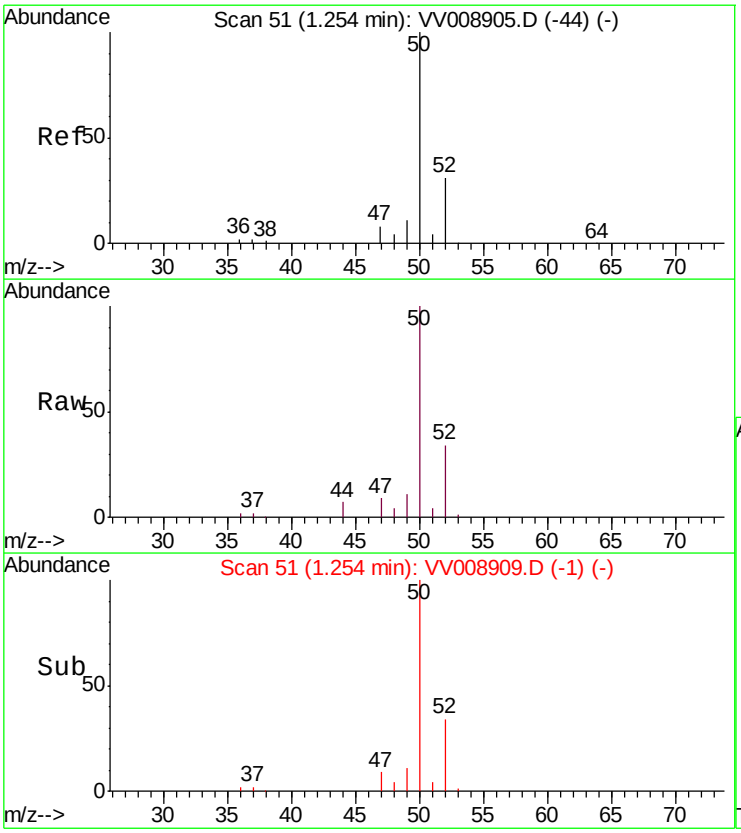

#2
Dichlorodifluoromethane
Concen: 50.566 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 85 Resp: 75892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 26.2 | 39.4 |

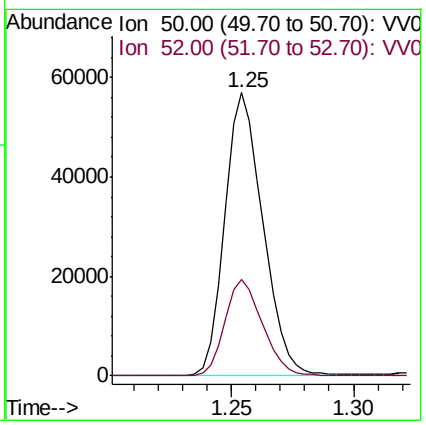


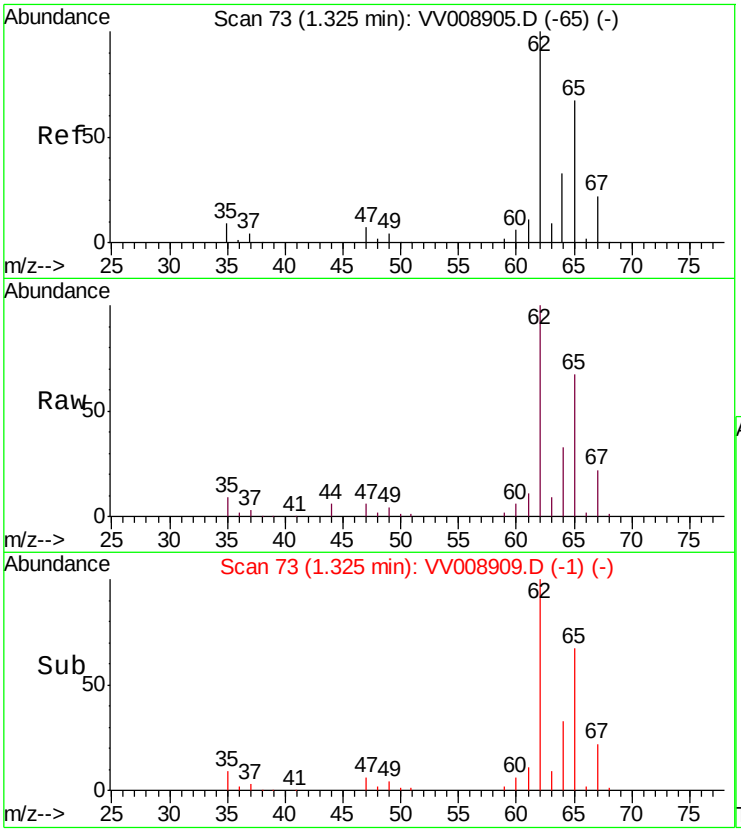




#3
Chloromethane
Concen: 49.458 ug/L
RT: 1.25 min Scan# 51
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 50 Resp: 62284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.2 | 21.9 | 40.7 |



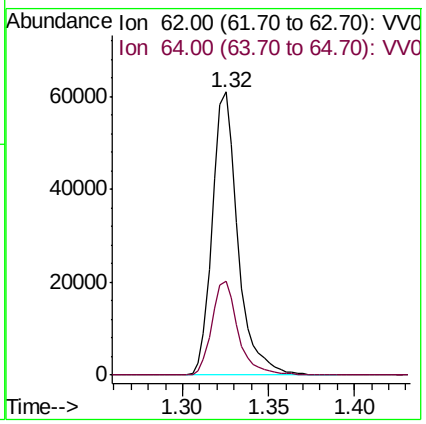


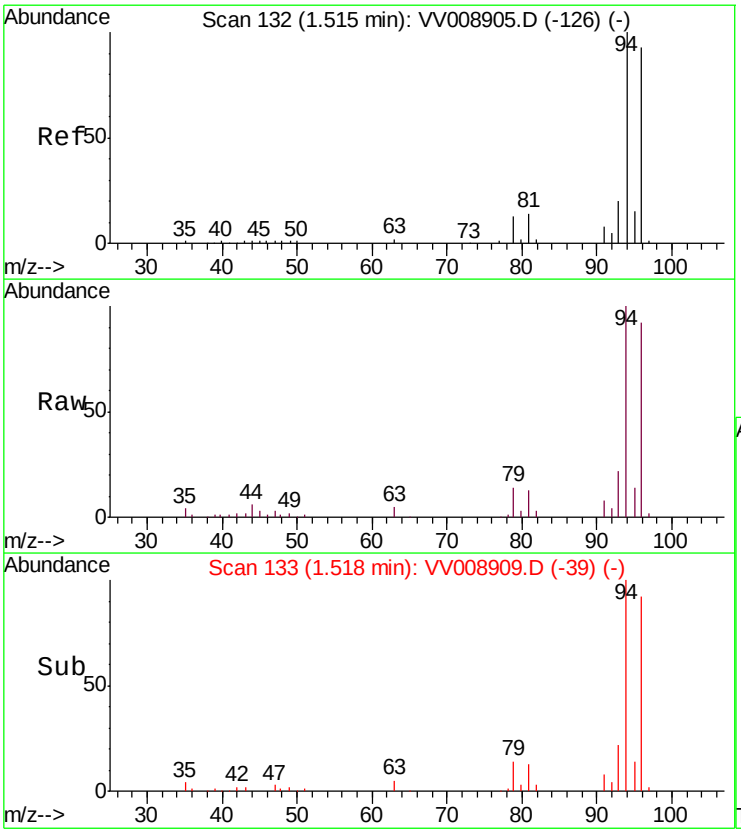

#5
Vinyl chloride
Concen: 48.555 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 62 Resp: 63868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.3 | 22.9 | 42.5 |

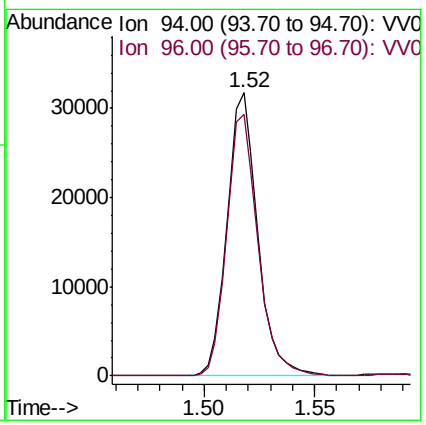


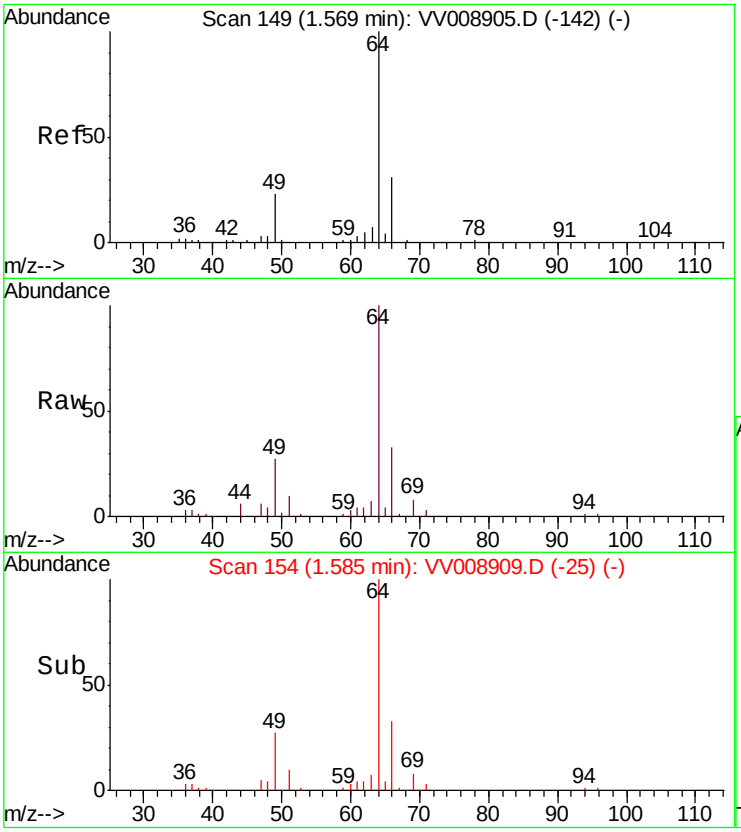




#6
Bromomethane
Concen: 43.628 ug/L
RT: 1.52 min Scan# 133
Delta R.T. 0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 94 Resp: 30704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.3 | 65.4 | 121.4 |



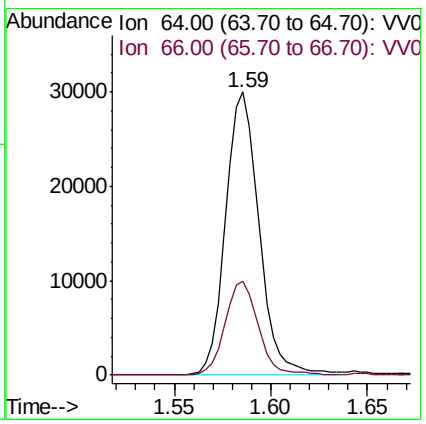


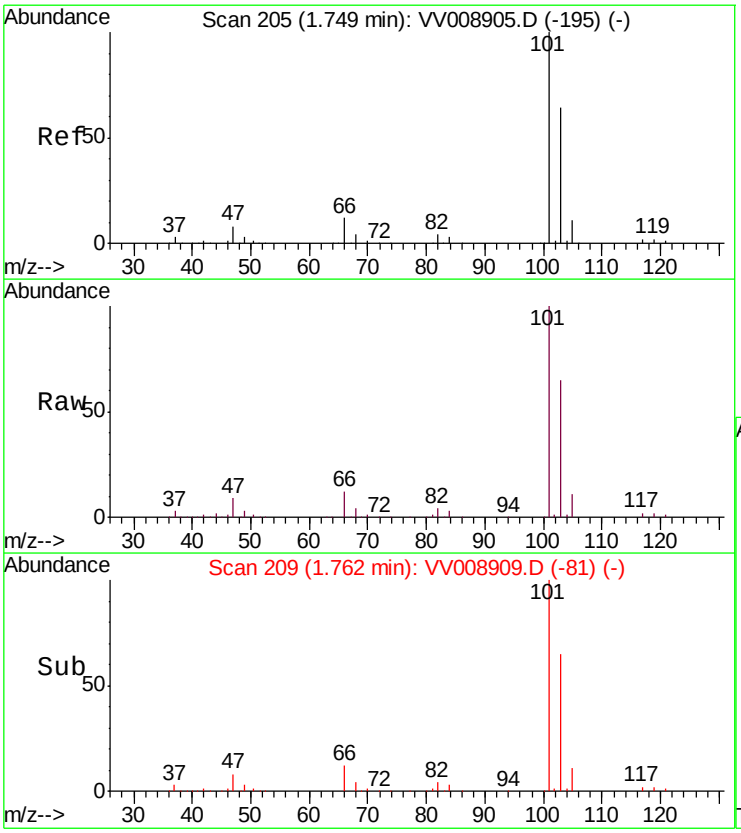

#8
Chloroethane
Concen: 53.739 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.02 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 64 Resp: 36056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.3 | 21.8 | 40.4 |

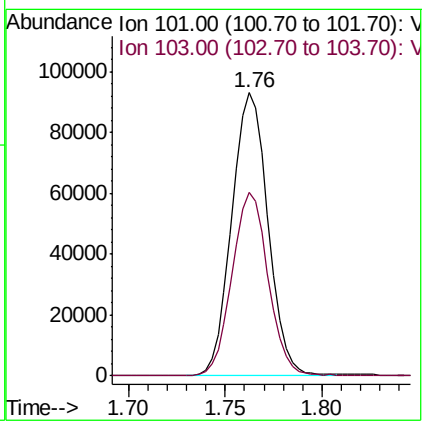


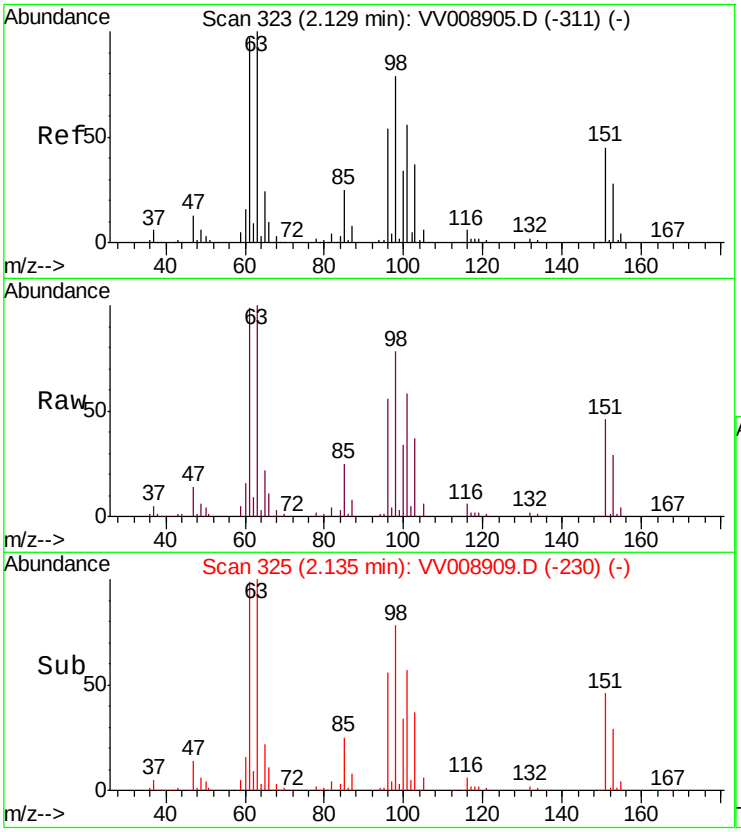




#9
Trichlorofluoromethane
Concen: 50.918 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.01 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:101 Resp: 121354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.3 | 51.5 | 77.3 |



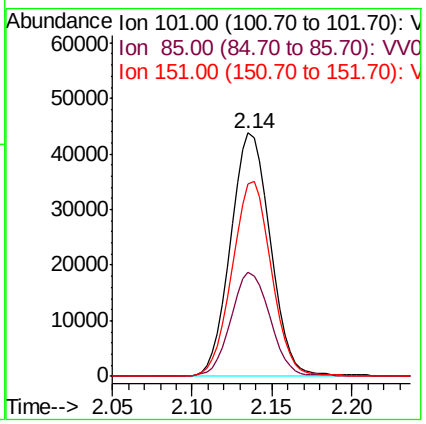


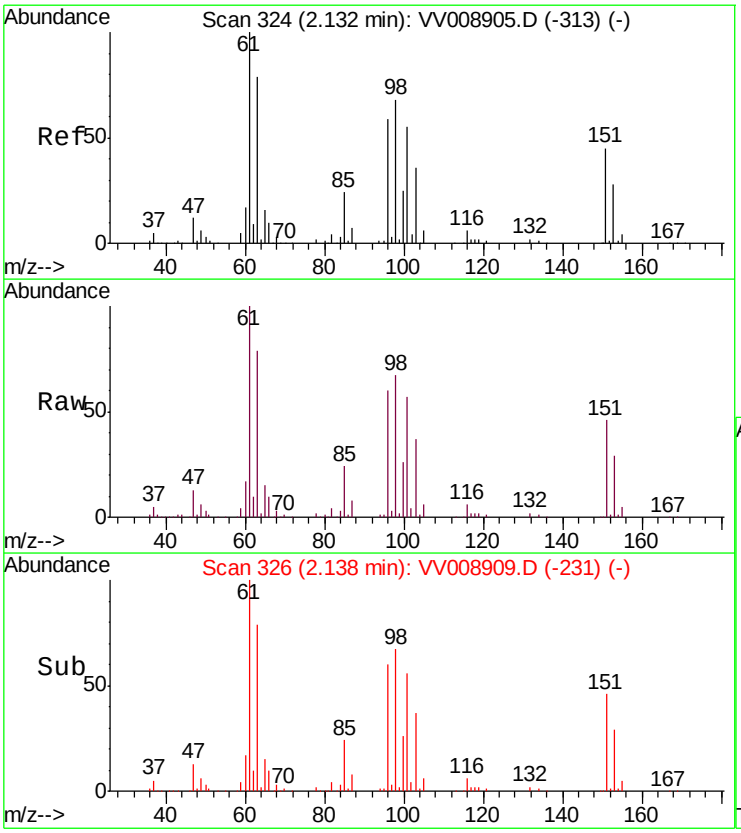

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.851 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.01 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion:101 Resp: 74159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.1 | 34.6 | 52.0 |
| 151 | 79.2 | 63.8 | 95.8 |

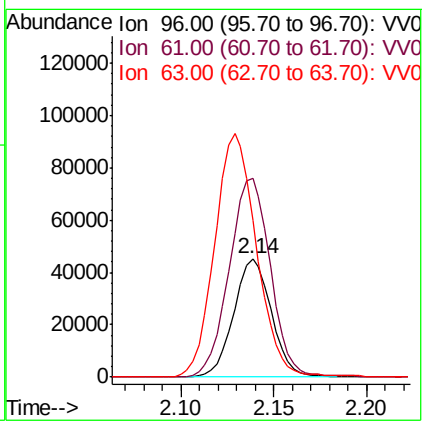


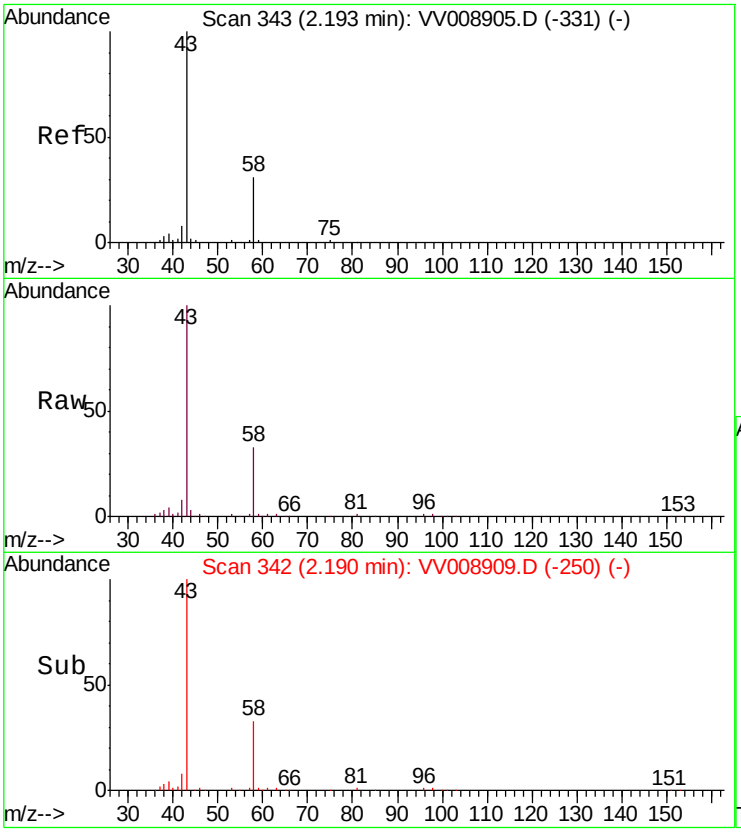




#12
1,1-Dichloroethene
Concen: 48.213 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.01 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 96 Resp: 63969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.0 | 119.1 | 221.3 |
| 63 | 131.9 | 96.0 | 178.2 |



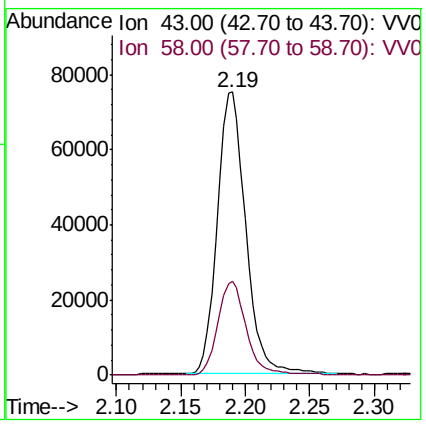


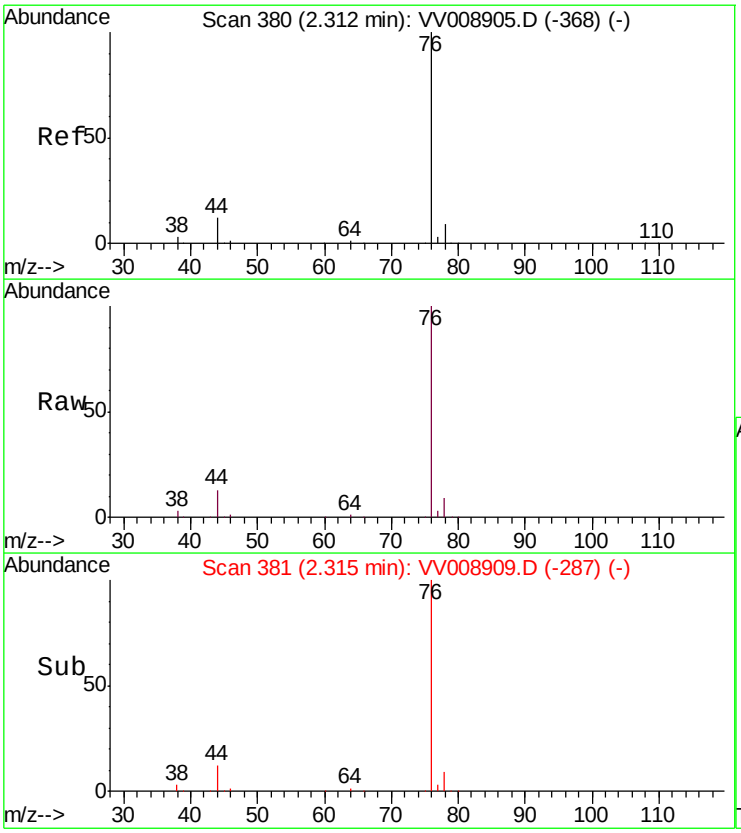

#13
Acetone
Concen: 91.707 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 43 Resp: 114894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.0 | 0.0 | 61.8 |

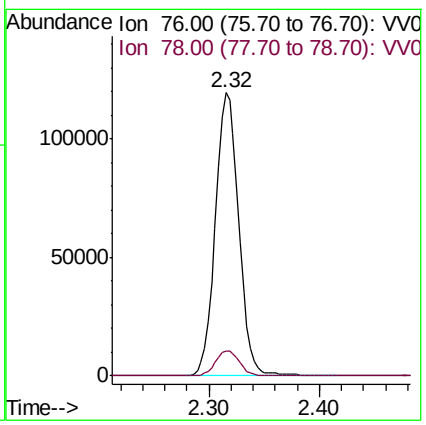


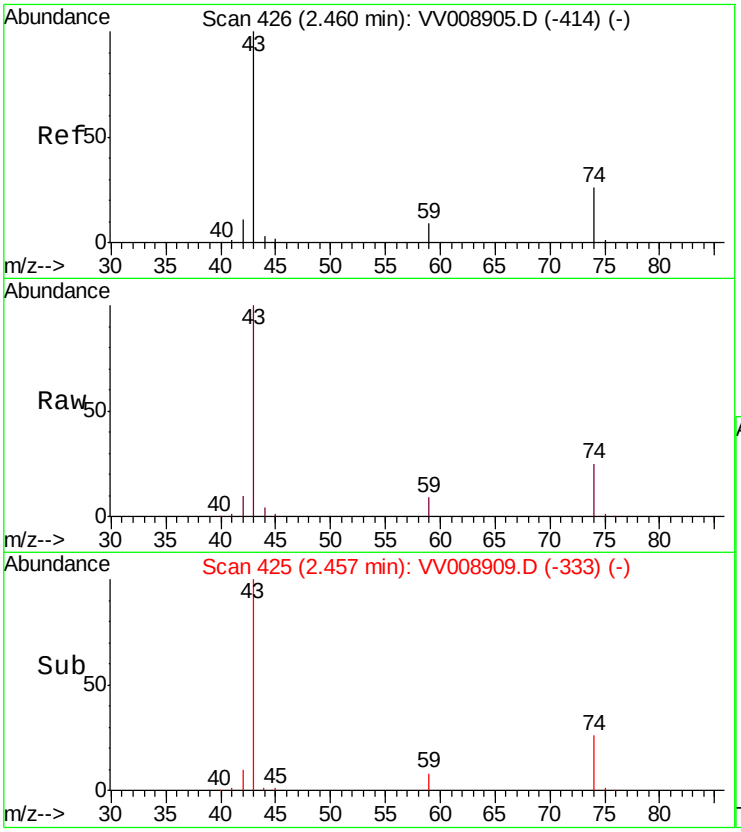




#14
Carbon disulfide
Concen: 48.446 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 76 Resp: 175520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.3 | 10.9 |



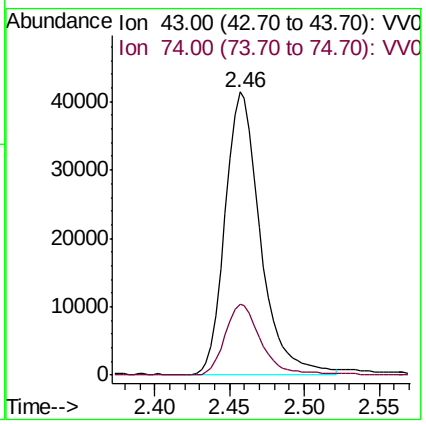


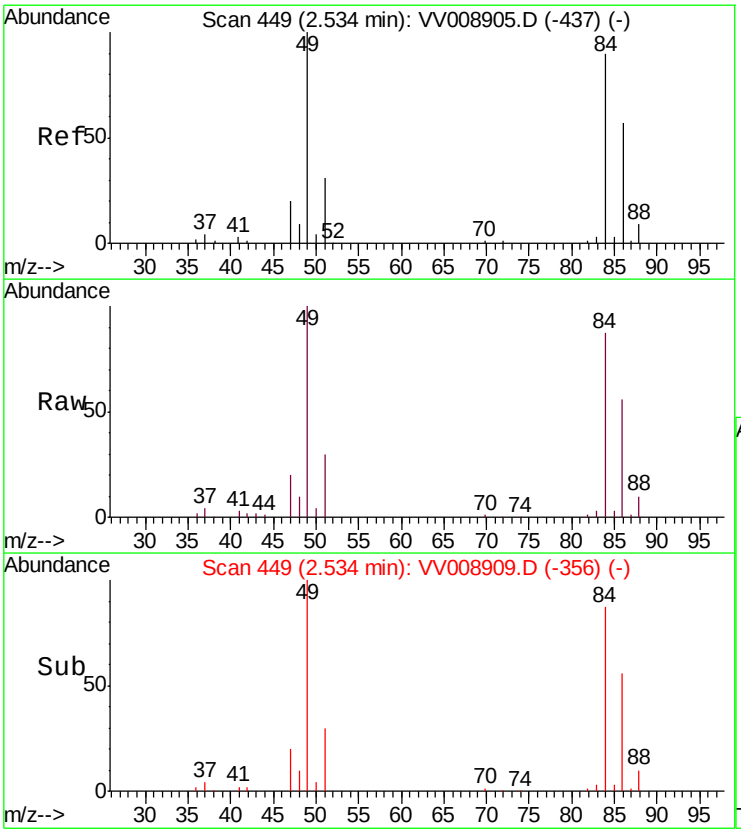

#15
Methyl Acetate
Concen: 50.532 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Tgt Ion: 43 Resp: 68518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.9 | 21.0 | 31.6 |

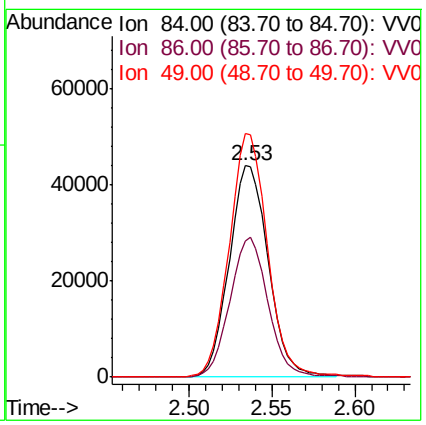


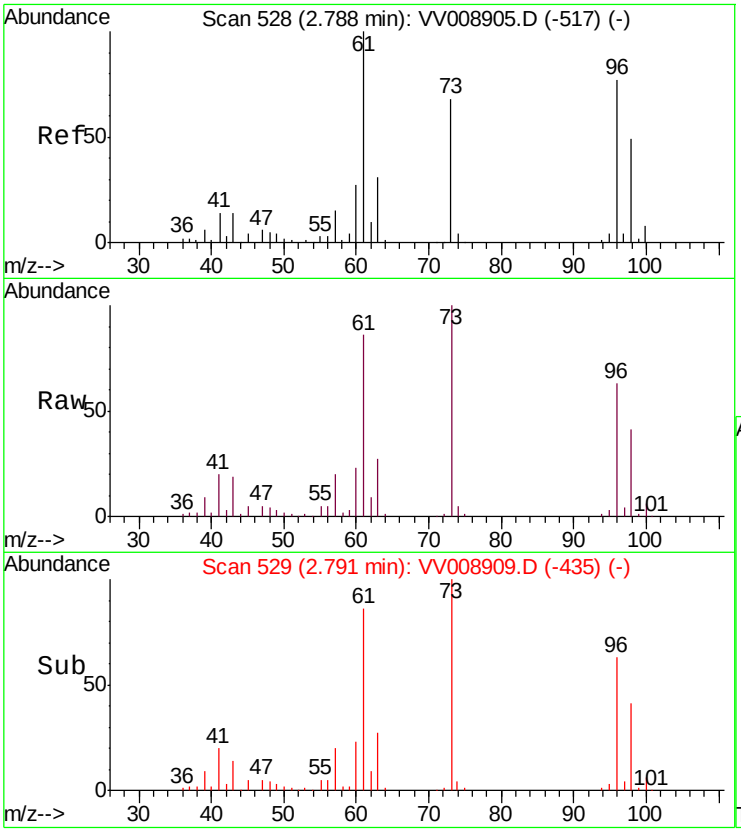




#16
Methylene chloride
Concen: 48.800 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 84 Resp: 72097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.7 | 44.2 | 82.0 |
| 49 | 115.2 | 77.4 | 143.8 |



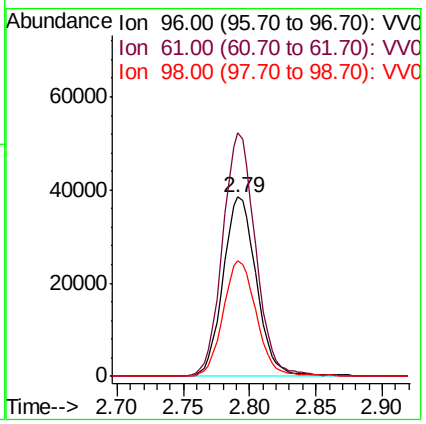


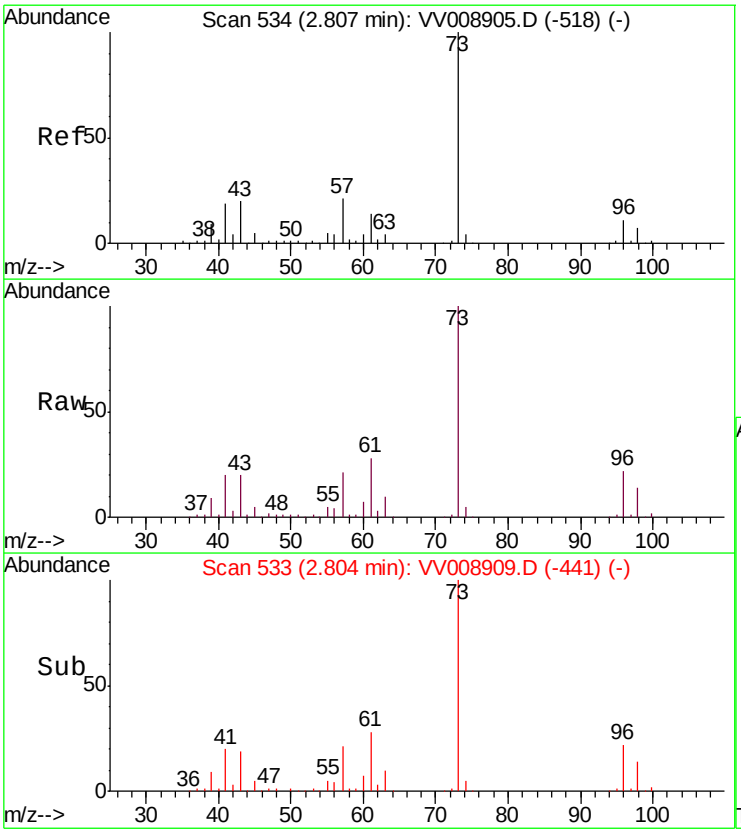

#17
trans-1,2-Dichloroethene
Concen: 50.130 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 96 Resp: 67310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.7 | 90.8 | 168.6 |
| 98 | 64.3 | 44.2 | 82.0 |

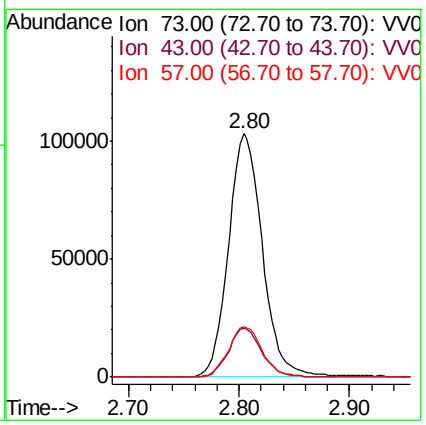


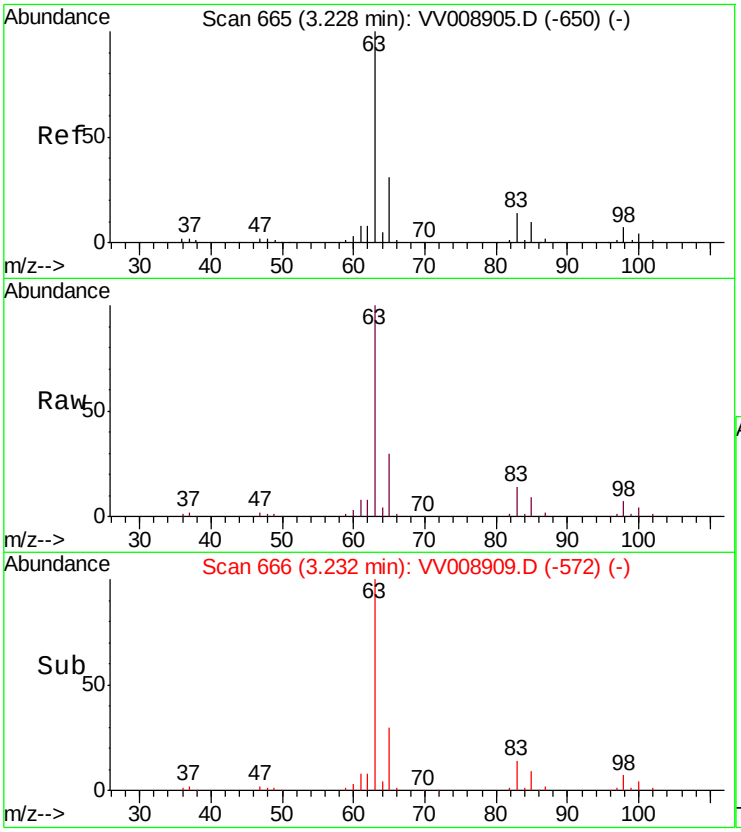




#18
Methyl tert-butyl Ether
Concen: 51.340 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 73 Resp: 219437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 19.8 | 15.4 | 23.2 |
| 57 | 20.6 | 16.9 | 25.3 |



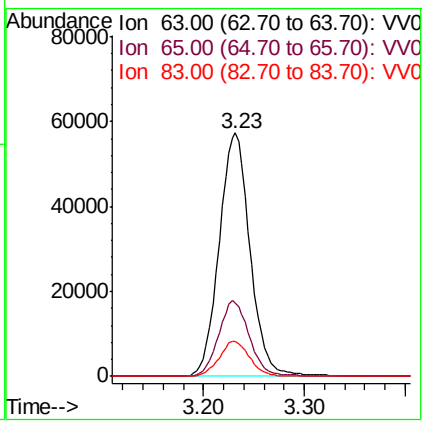


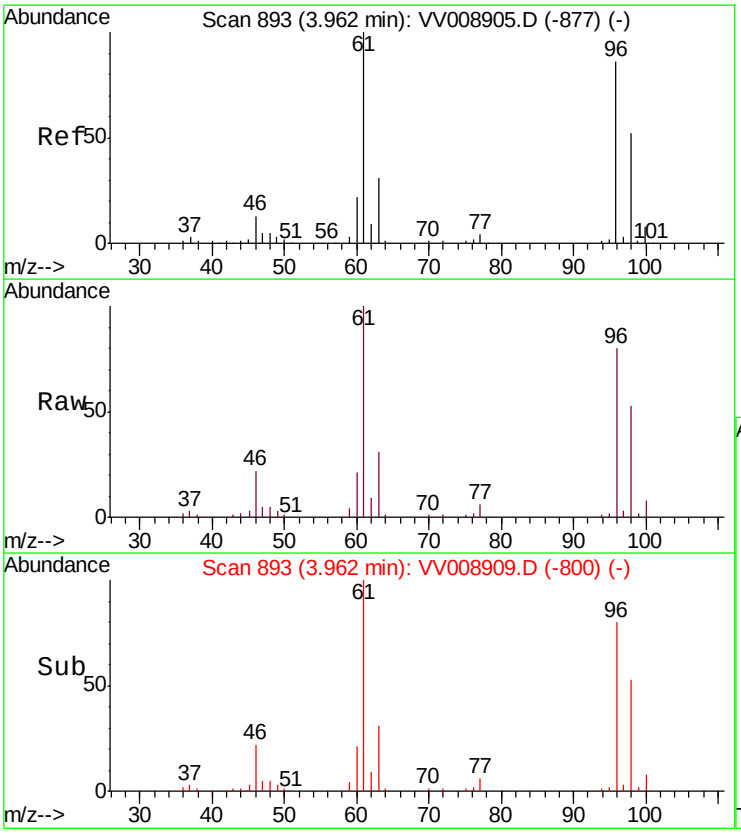

#19
1,1-Dichloroethane
Concen: 51.592 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Tgt Ion: 63 Resp: 122289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.4 | 21.8 | 40.6 |
| 83 | 14.3 | 9.7 | 18.1 |

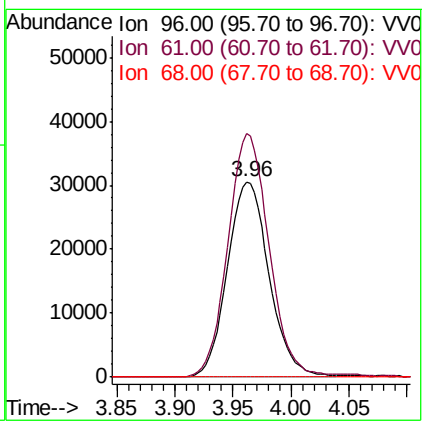


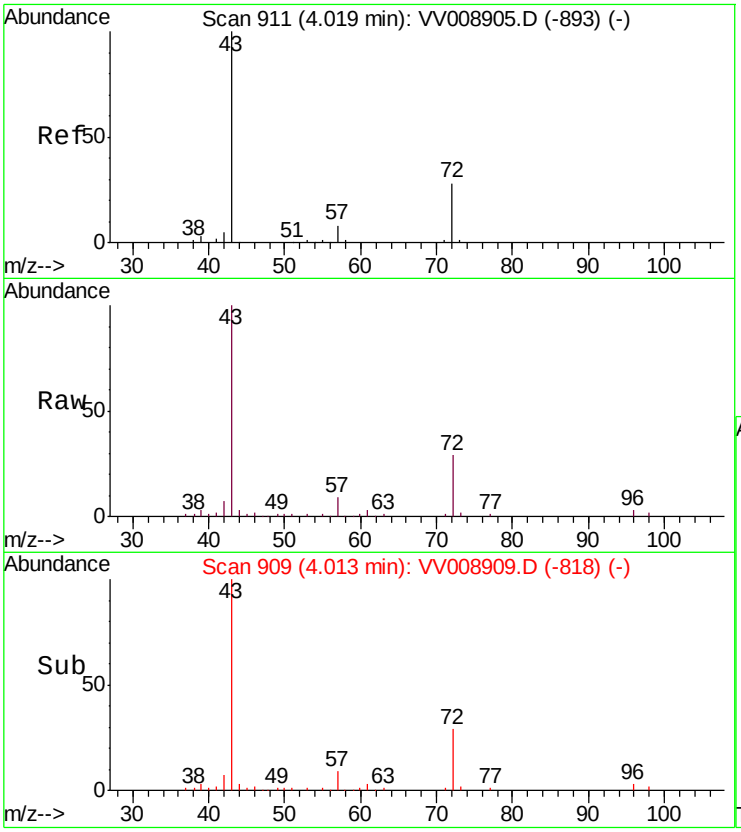




#20
cis-1,2-Dichloroethene
Concen: 49.440 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 96 Resp: 76155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 124.6 | 81.9 | 152.1 |
| 68 | 0.0 | 0.0 | 0.0 |



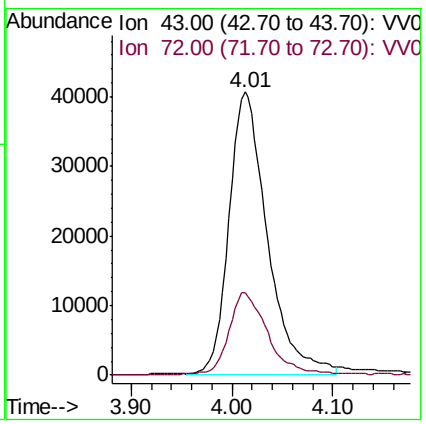


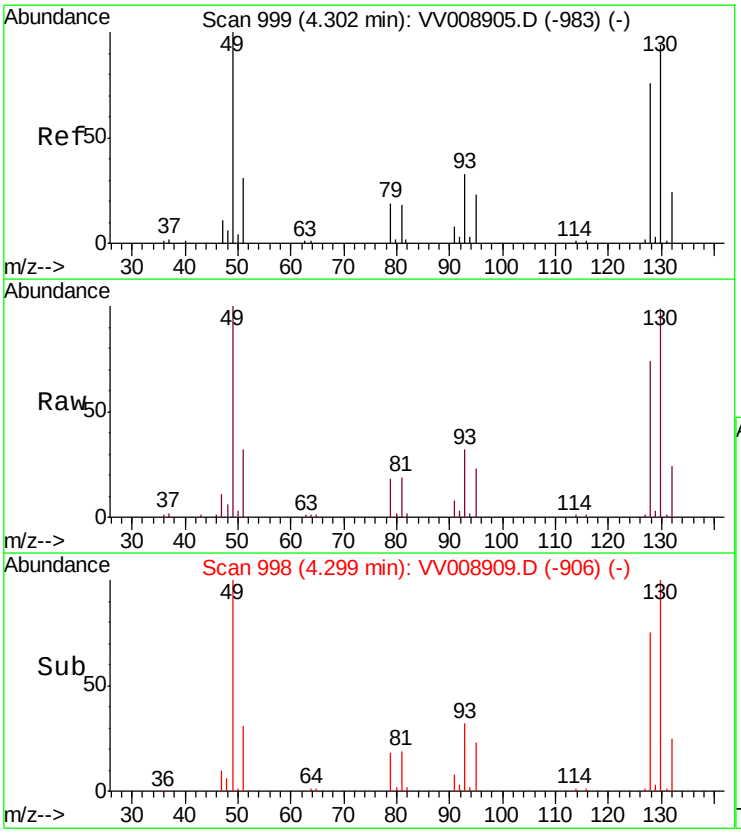

#22
2-Butanone
Concen: 101.524 ug/L
RT: 4.01 min Scan# 909
Delta R.T. -0.01 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 43 Resp: 106782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.0 | 14.9 | 44.5 |

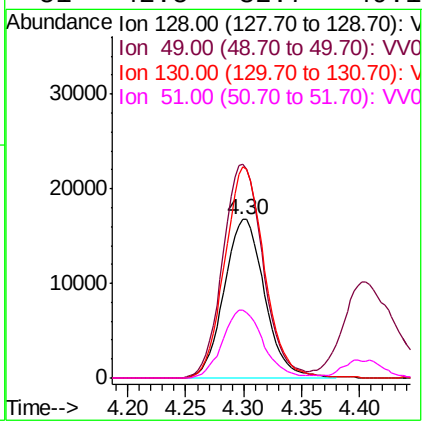


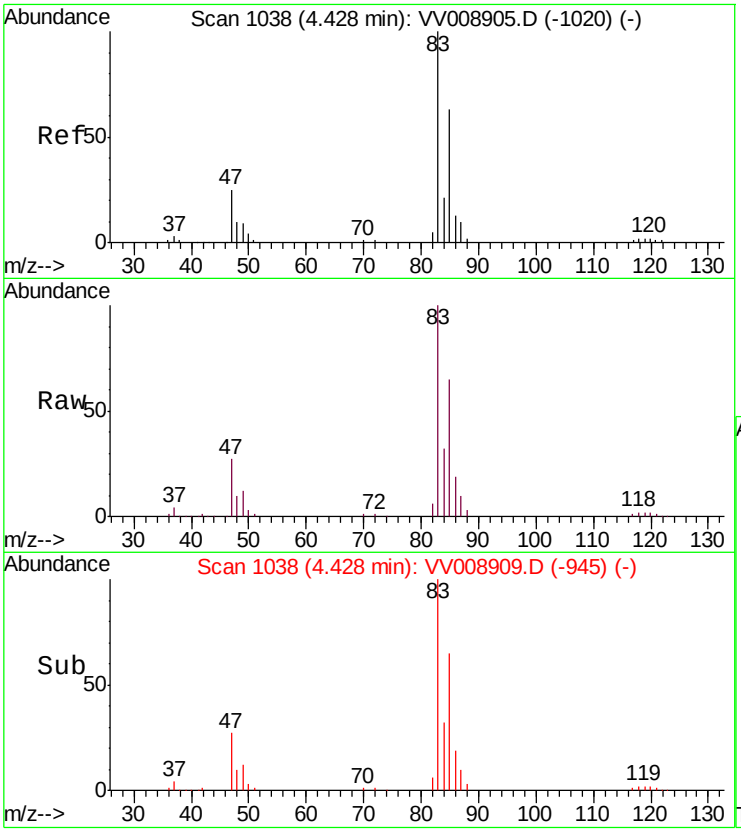




#23
Bromochloromethane
Concen: 50.385 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:128 Resp: 40619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 134.7 | 91.6 | 170.0 |
| 130 | 133.2 | 86.2 | 160.0 |
| 51 | 42.5 | 32.7 | 49.1 |



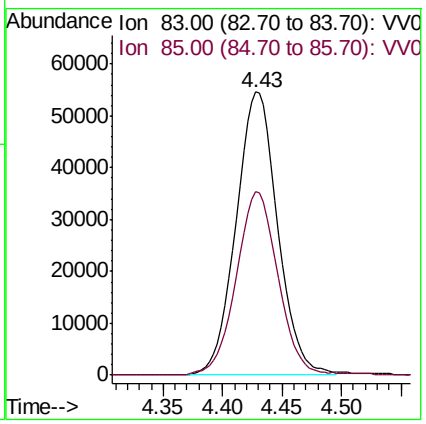


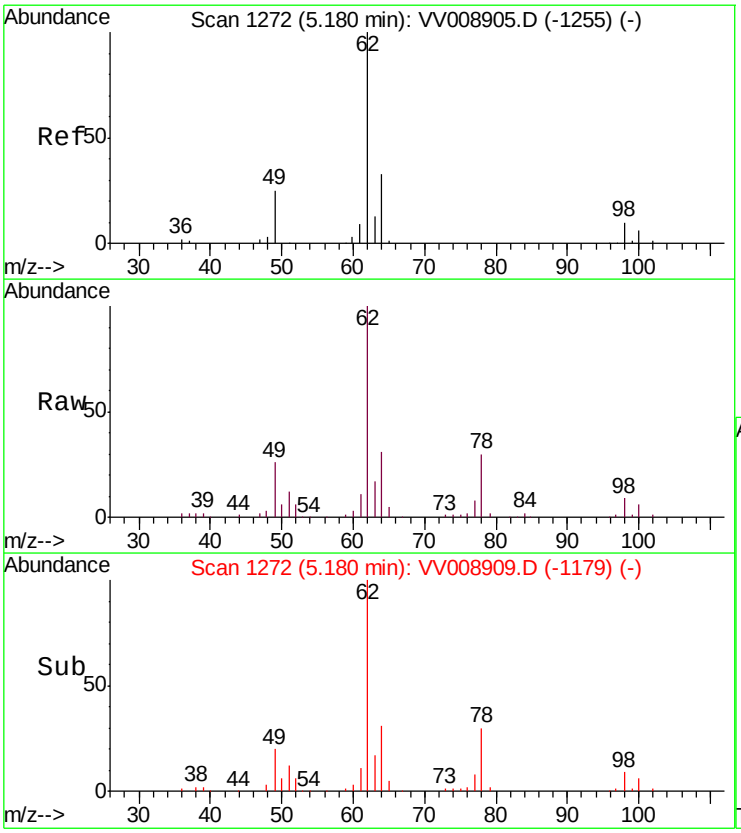

#25
Chloroform
Concen: 50.053 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 83 Resp: 132262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 44.3 | 82.3 |

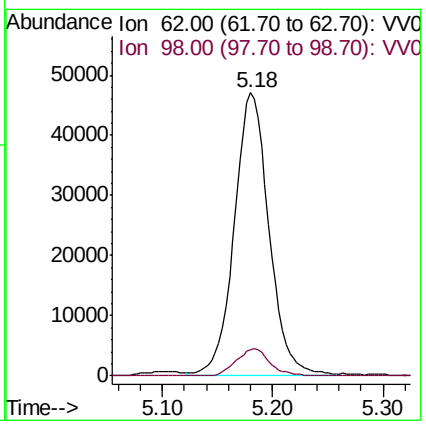


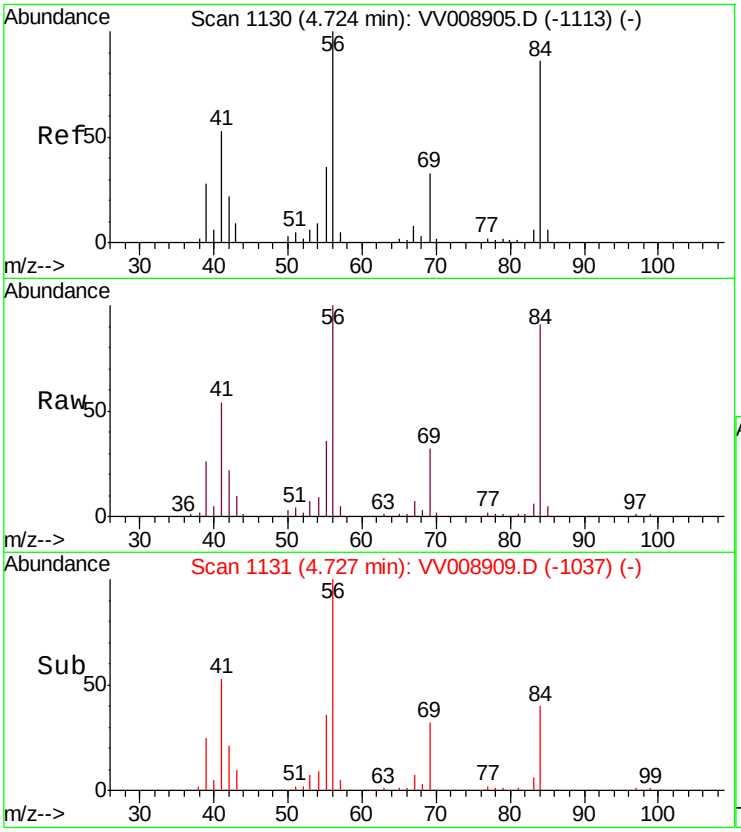




#27
1,2-Dichloroethane
Concen: 49.782 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 62 Resp: 102207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 7.5 | 11.3 |



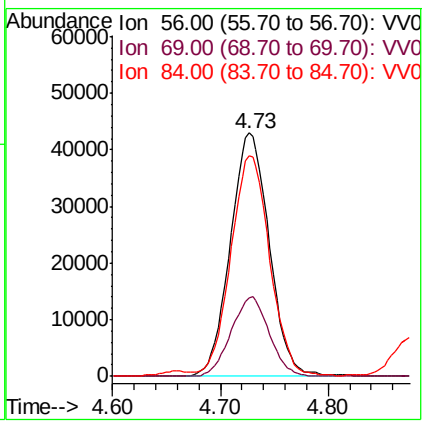


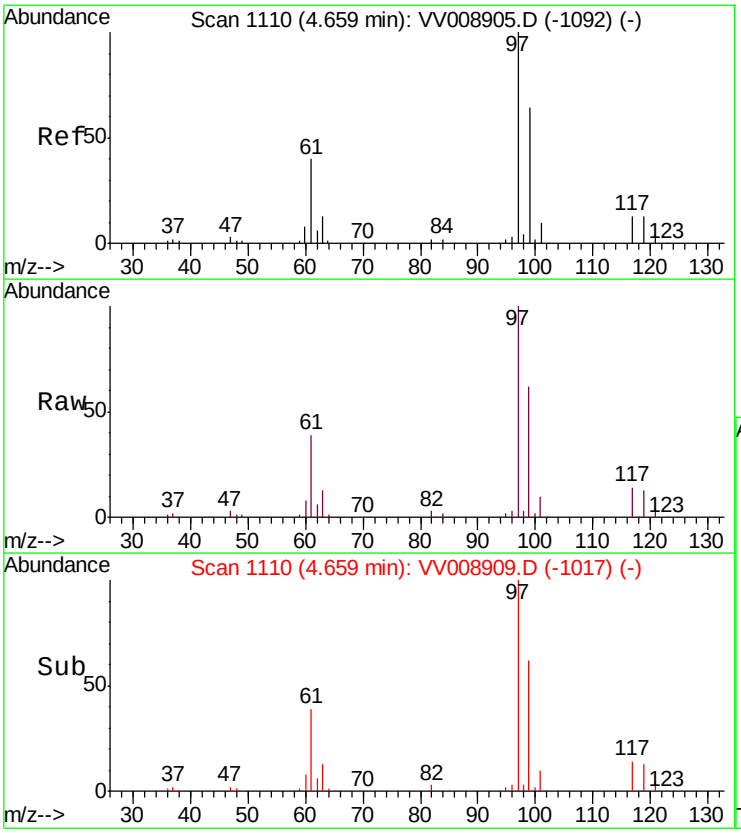

#29
Cyclohexane
Concen: 50.369 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Tgt Ion: 56 Resp: 107250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.0 | 26.0 | 39.0 |
| 84 | 89.5 | 70.9 | 106.3 |

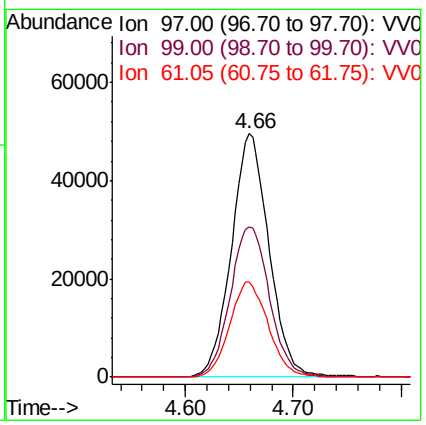


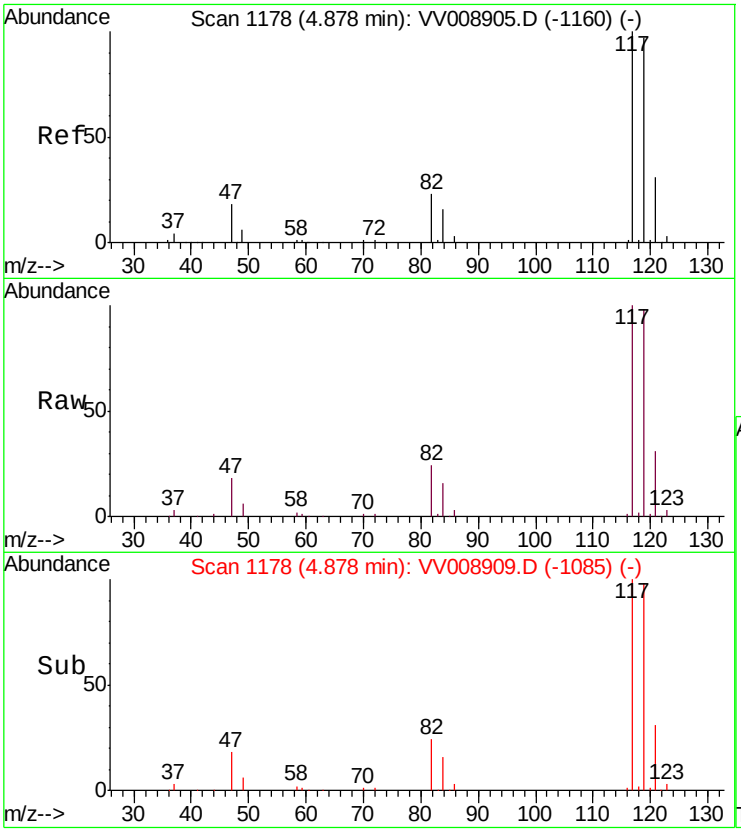




#30
1,1,1-Trichloroethane
Concen: 49.140 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 97 Resp: 120364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.7 | 77.5 |
| 61 | 40.0 | 32.5 | 48.7 |



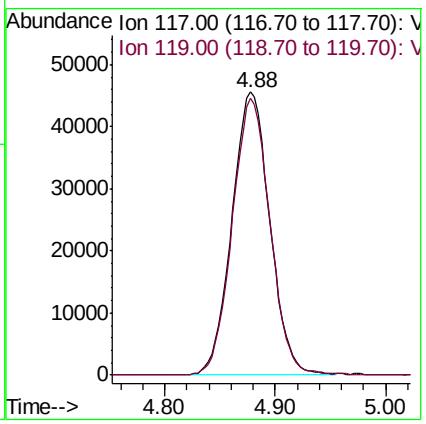


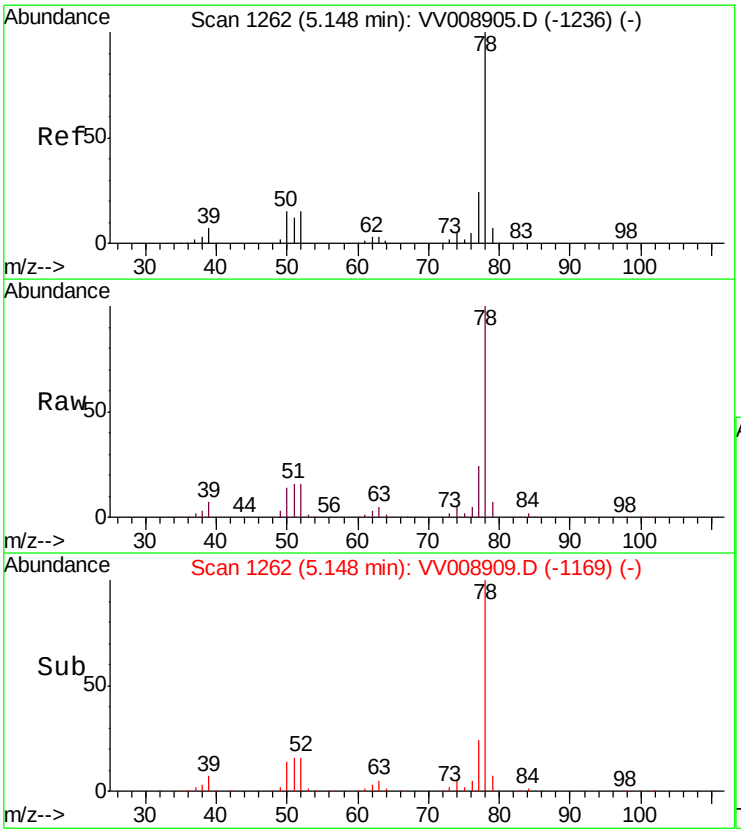

#31
Carbon tetrachloride
Concen: 49.224 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion:117 Resp: 108863

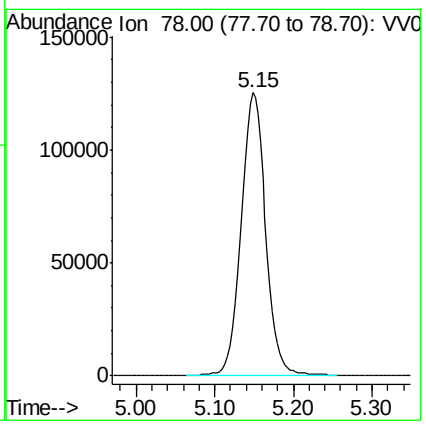
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.0 | 77.7 | 116.5 |

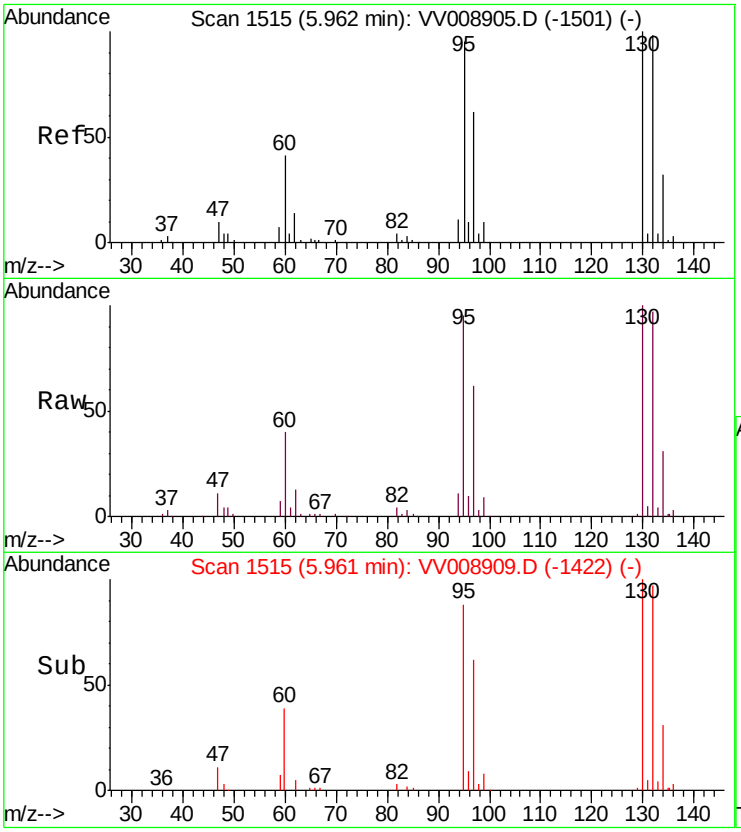



#33
Benzene
Concen: 50.095 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 78 Resp: 276038



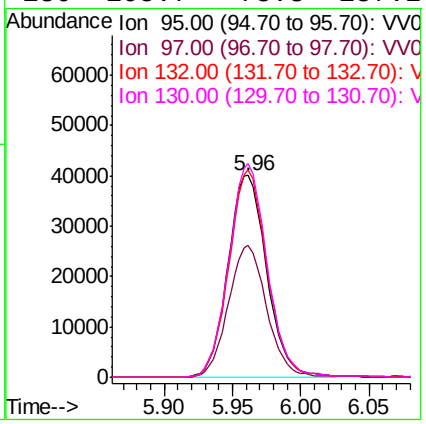


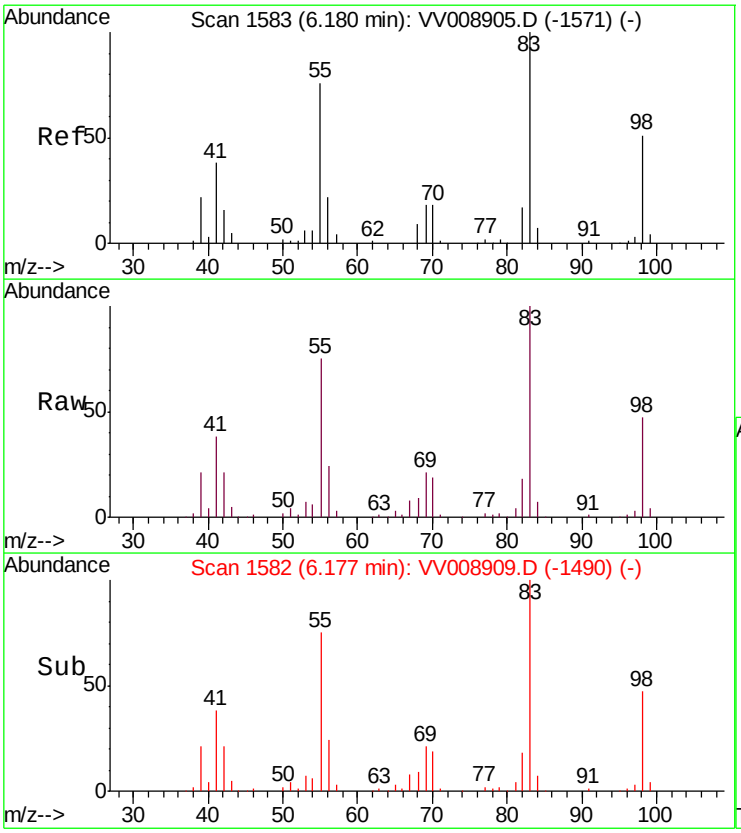

#34
Trichloroethene
Concen: 49.804 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 95 Resp: 79223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.0 | 45.7 | 84.9 |
| 132 | 102.9 | 72.2 | 134.2 |
| 130 | 105.7 | 73.8 | 137.2 |

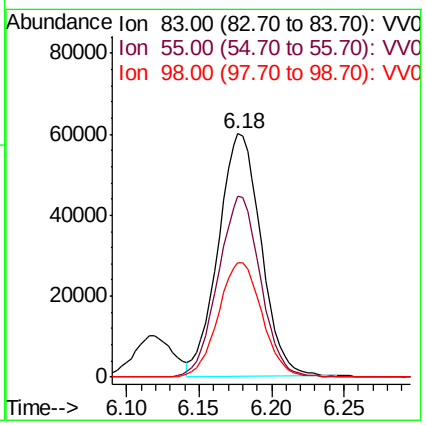


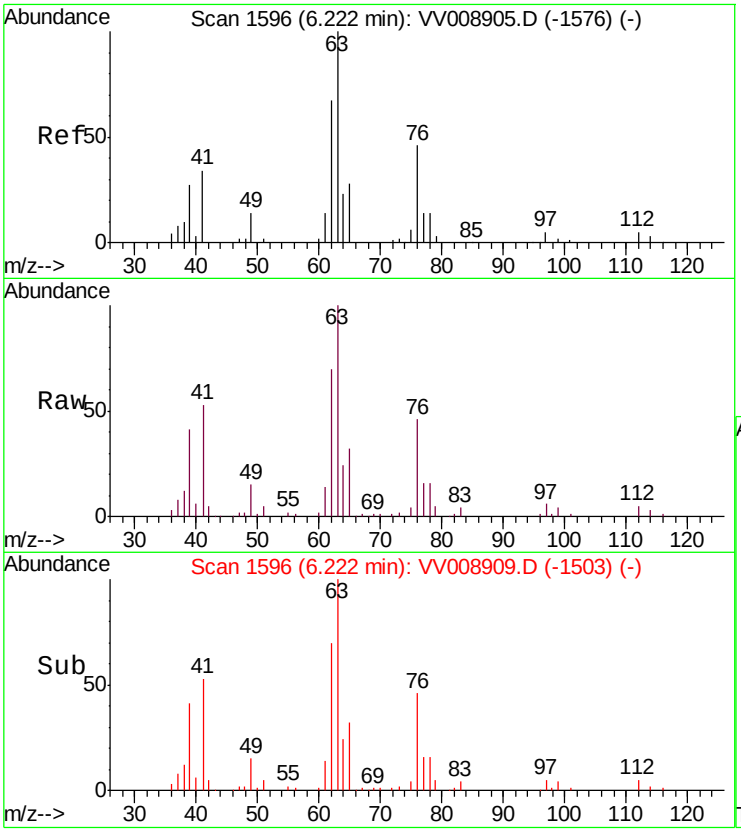




#35
Methylcyclohexane
Concen: 51.850 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 83 Resp: 122313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.2 | 57.8 | 86.8 |
| 98 | 48.4 | 39.0 | 58.4 |



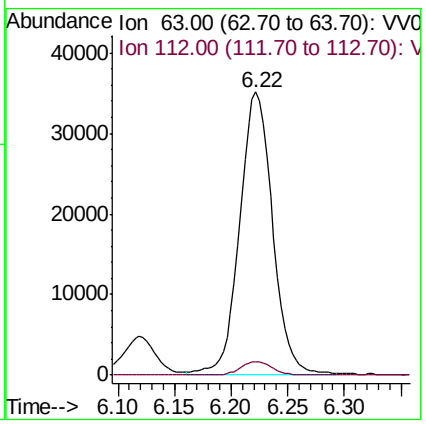


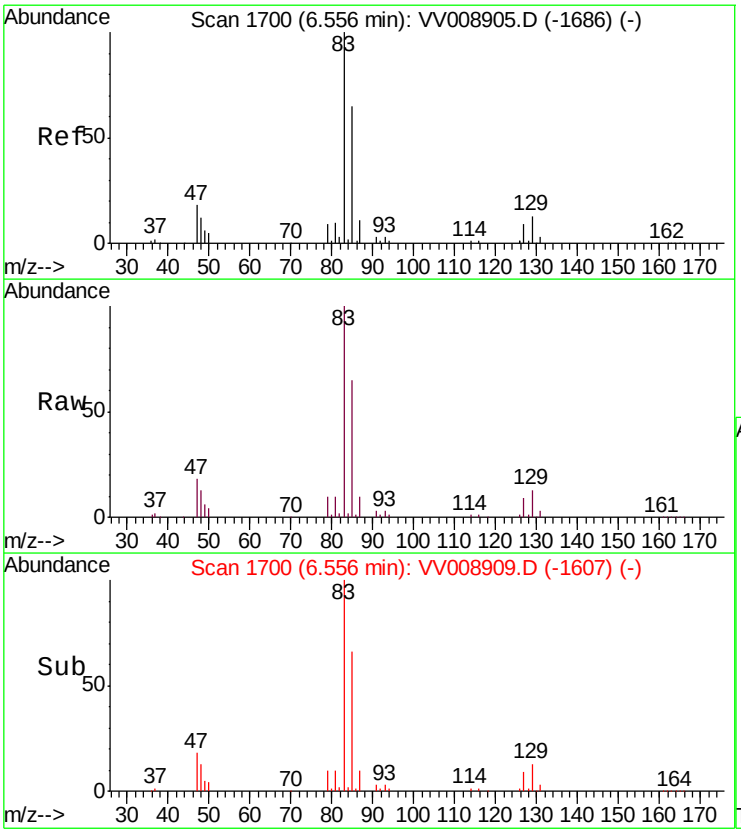

#37
1,2-Dichloropropane
Concen: 50.359 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 63 Resp: 71741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.5 | 3.8 | 5.6 |

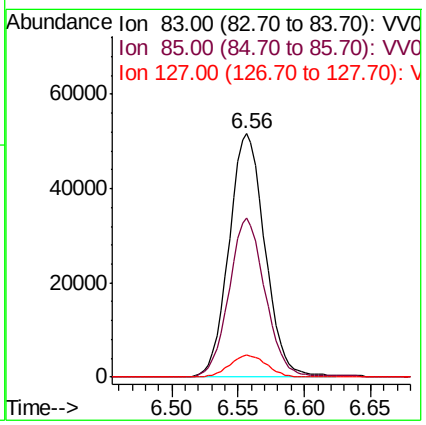


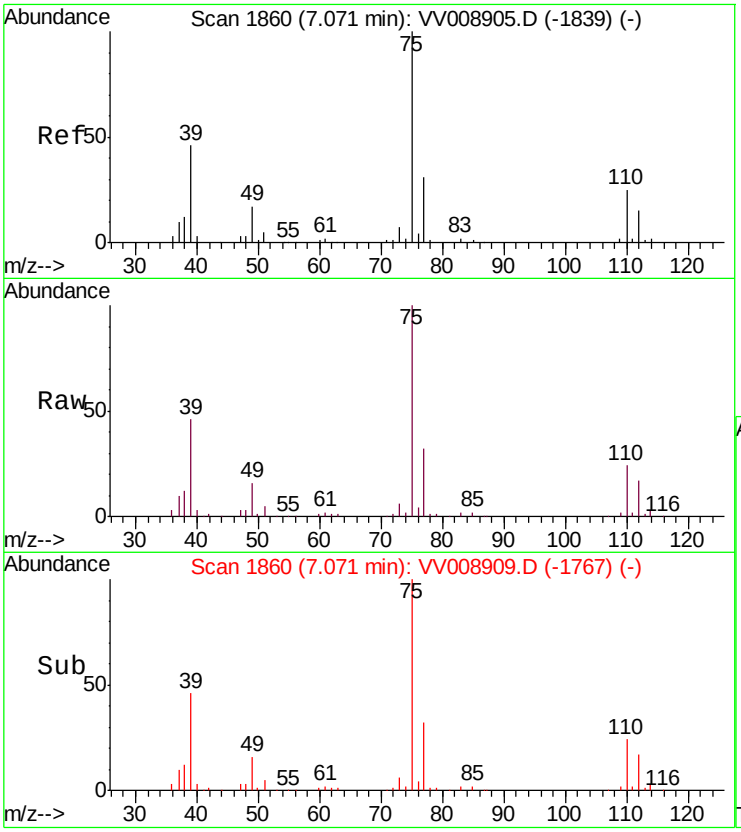




#38
Bromodichloromethane
Concen: 49.356 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 83 Resp: 97305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.2 | 45.8 | 85.0 |
| 127 | 8.9 | 7.4 | 11.0 |



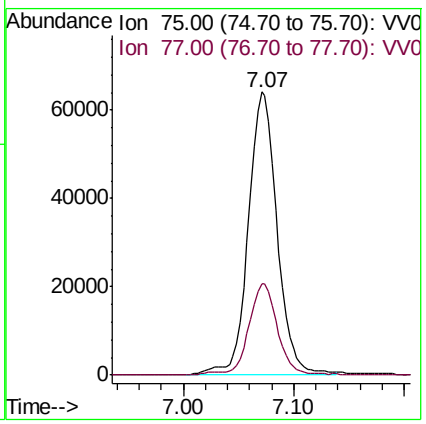


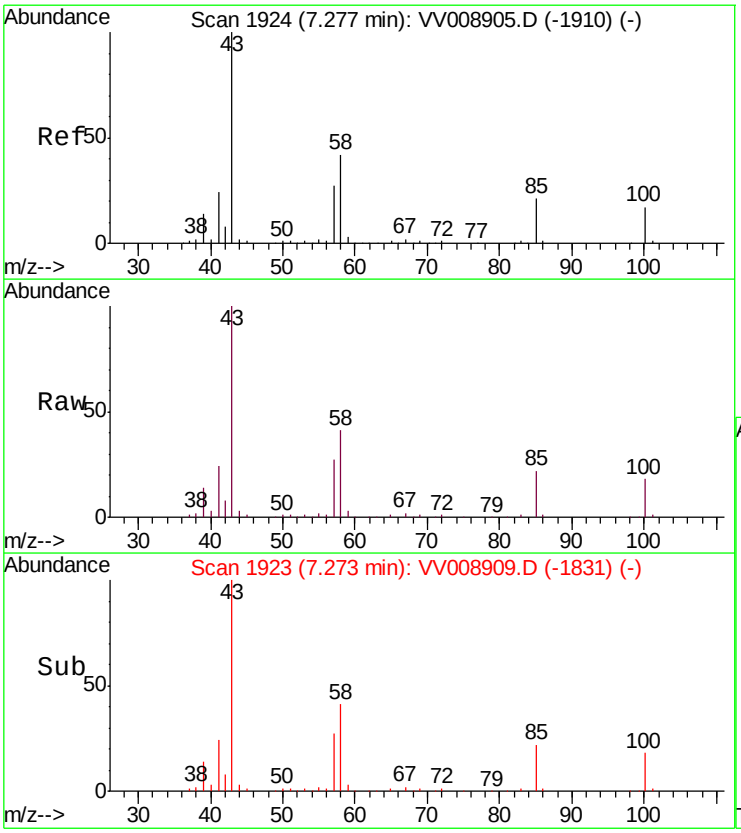

#39
cis-1,3-Dichloropropene
Concen: 51.293 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 75 Resp: 116531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 21.8 | 40.4 |

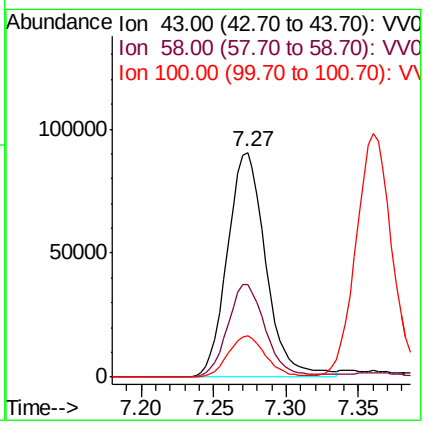


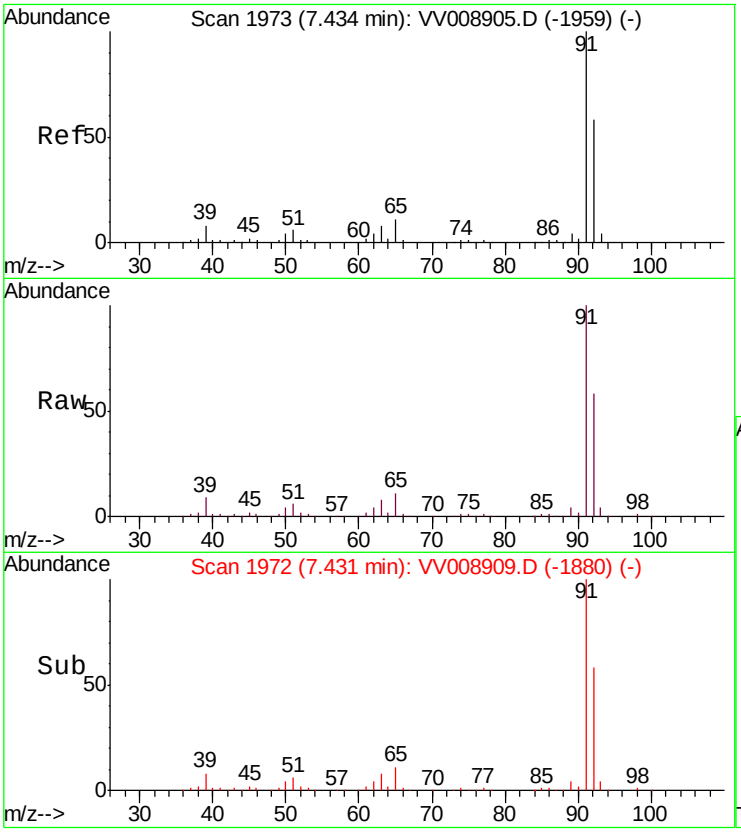




#40
4-Methyl-2-pentanone
Concen: 101.483 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 43 Resp: 167024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.8 | 33.4 | 50.0 |
| 100 | 17.8 | 13.9 | 20.9 |



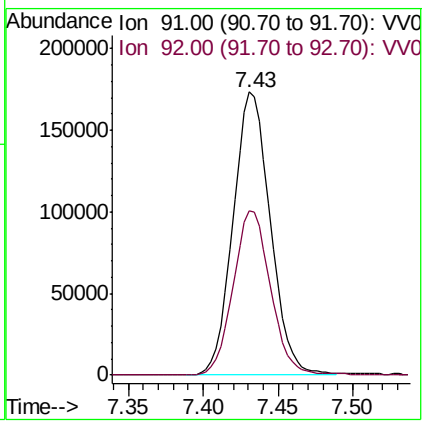


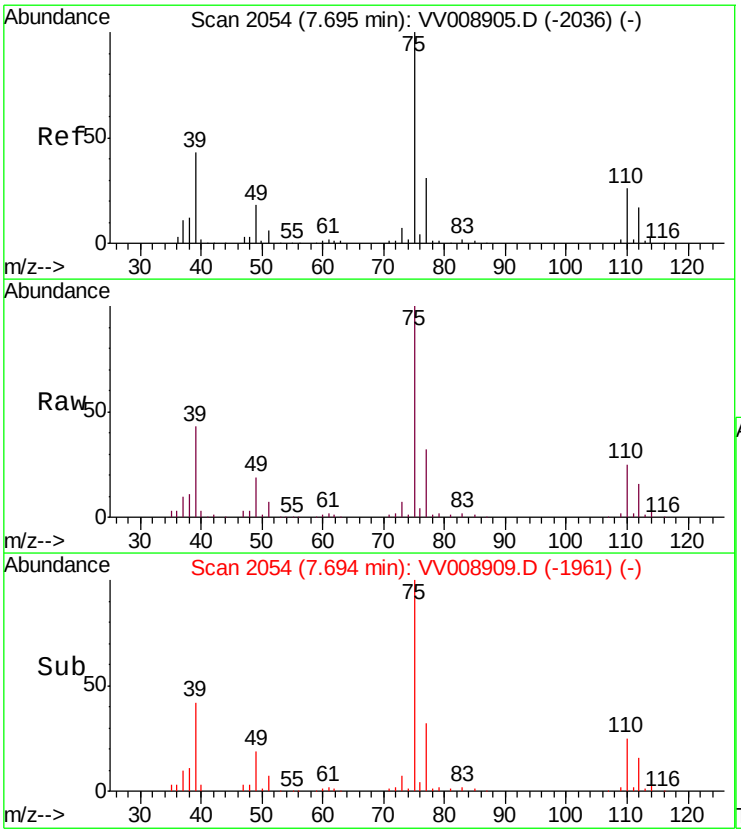

#42
Toluene
Concen: 51.191 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 91 Resp: 301375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.2 | 40.7 | 75.5 |

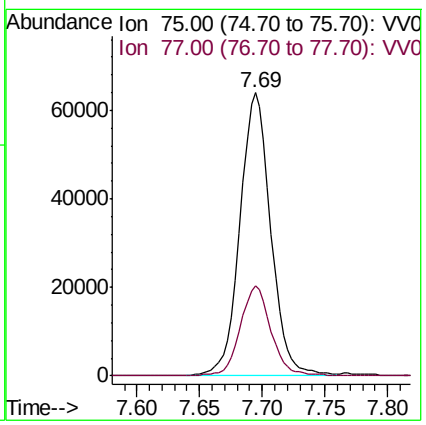


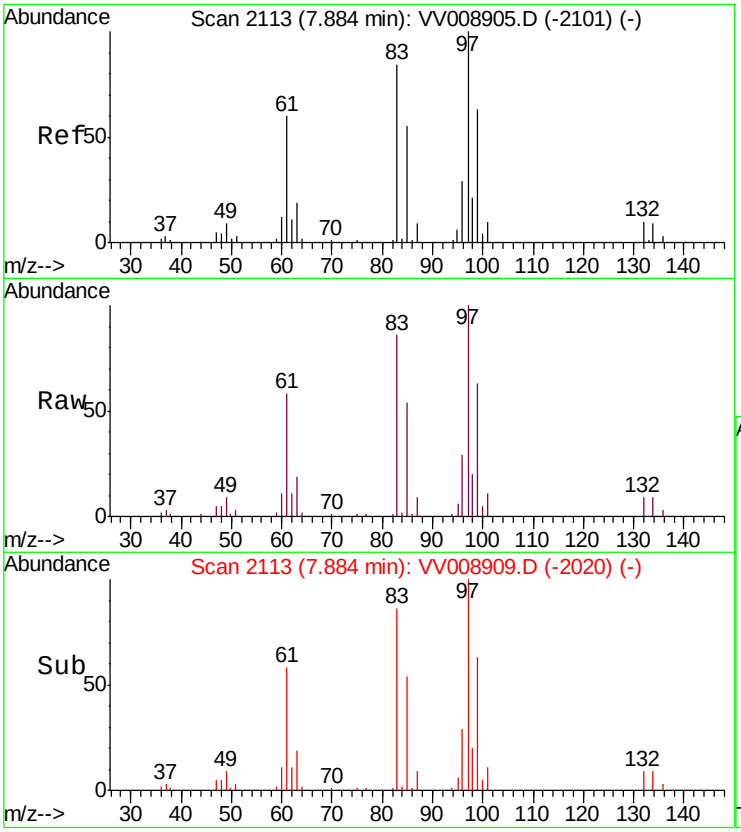




#44
trans-1,3-Dichloropropene
Concen: 51.835 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 75 Resp: 109769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 21.6 | 40.2 |



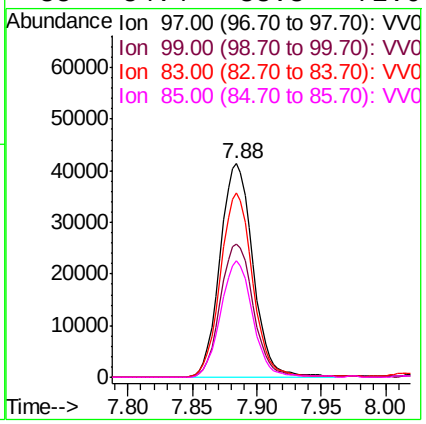


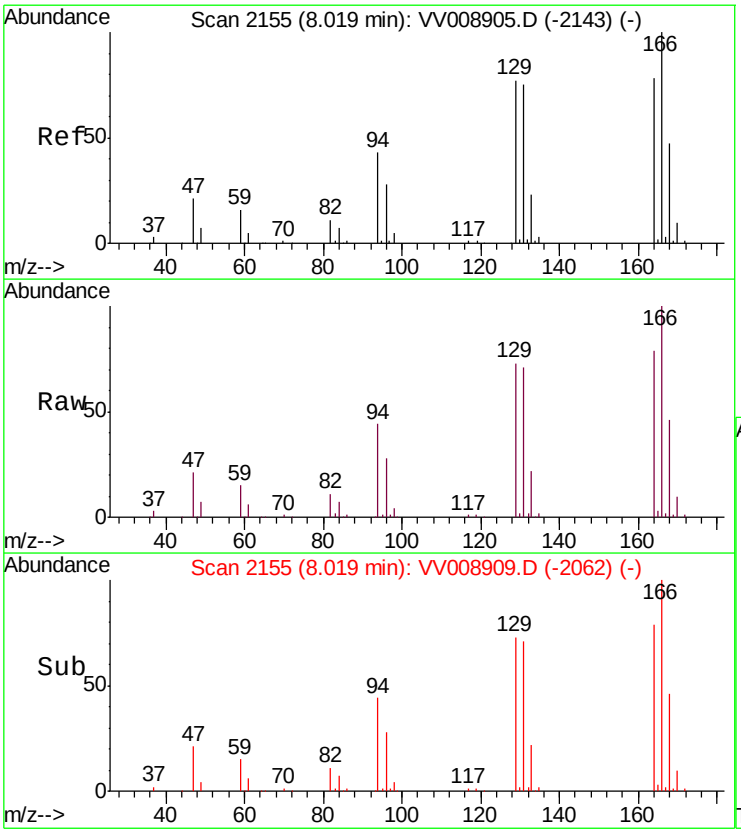

#45
1,1,2-Trichloroethane
Concen: 50.929 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Tgt Ion: 97 Resp: 73468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.6 | 43.8 | 81.3 |
| 83 | 86.1 | 58.8 | 109.2 |
| 85 | 54.4 | 38.8 | 72.0 |

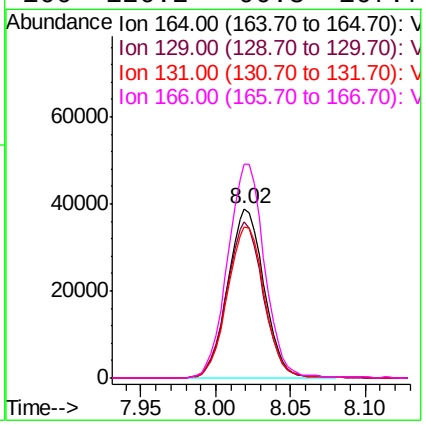


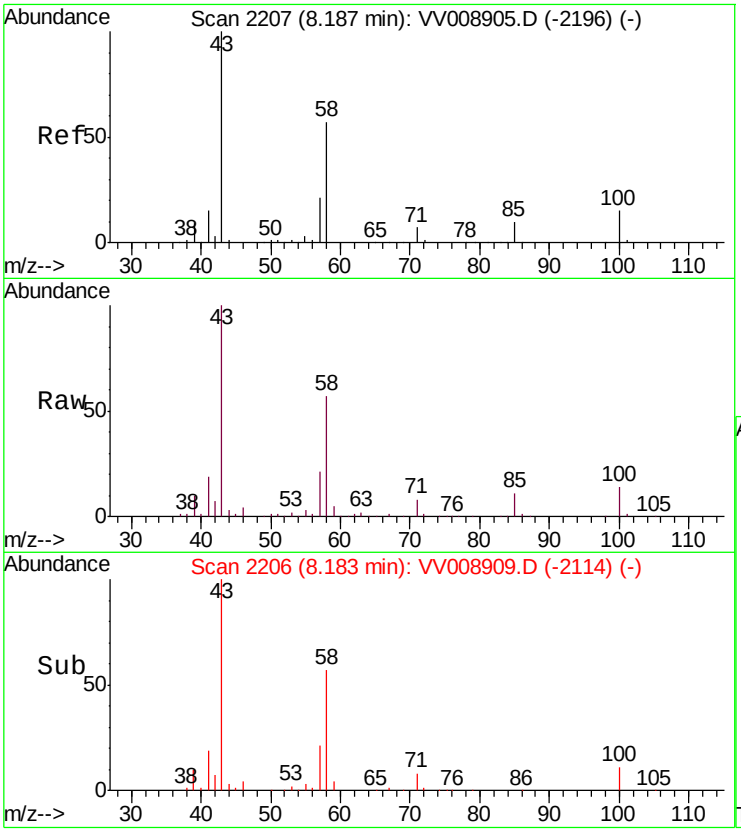




#46
Tetrachloroethene
Concen: 52.010 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:164 Resp: 65880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 92.1 | 69.2 | 128.4 |
| 131 | 89.6 | 67.8 | 125.8 |
| 166 | 126.2 | 90.3 | 167.7 |



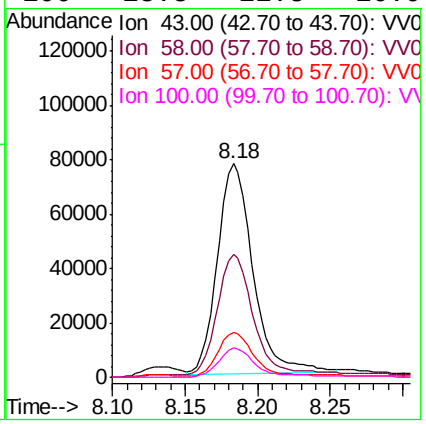


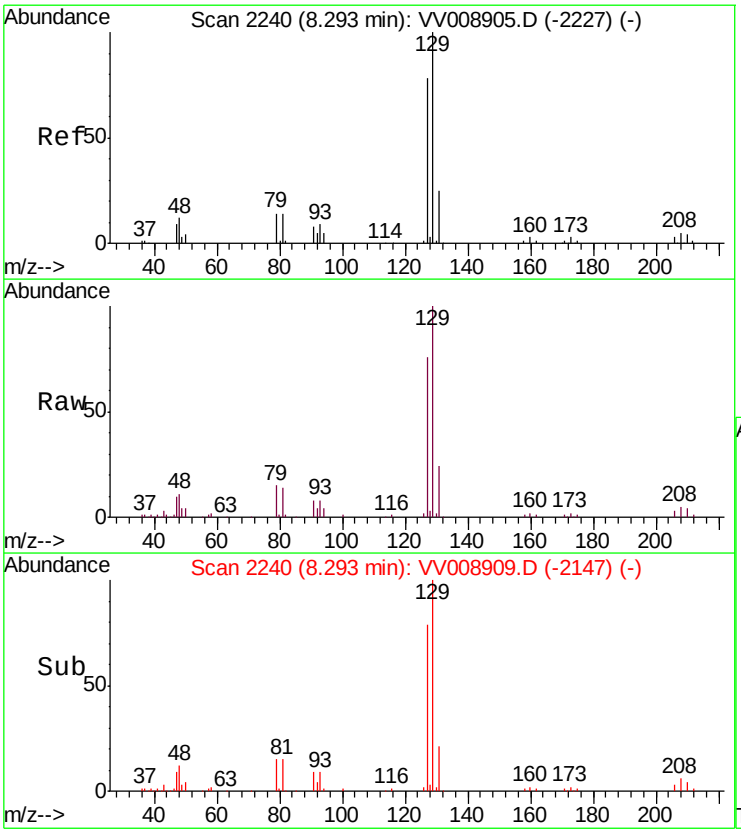

#48
2-Hexanone
Concen: 96.683 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Tgt Ion: 43 Resp: 132518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.7 | 42.7 | 64.1 |
| 57 | 20.8 | 15.7 | 23.5 |
| 100 | 13.8 | 11.3 | 16.9 |

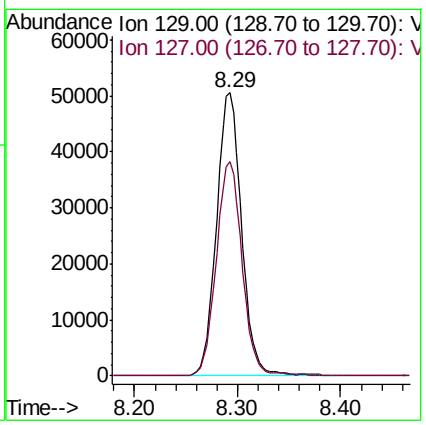


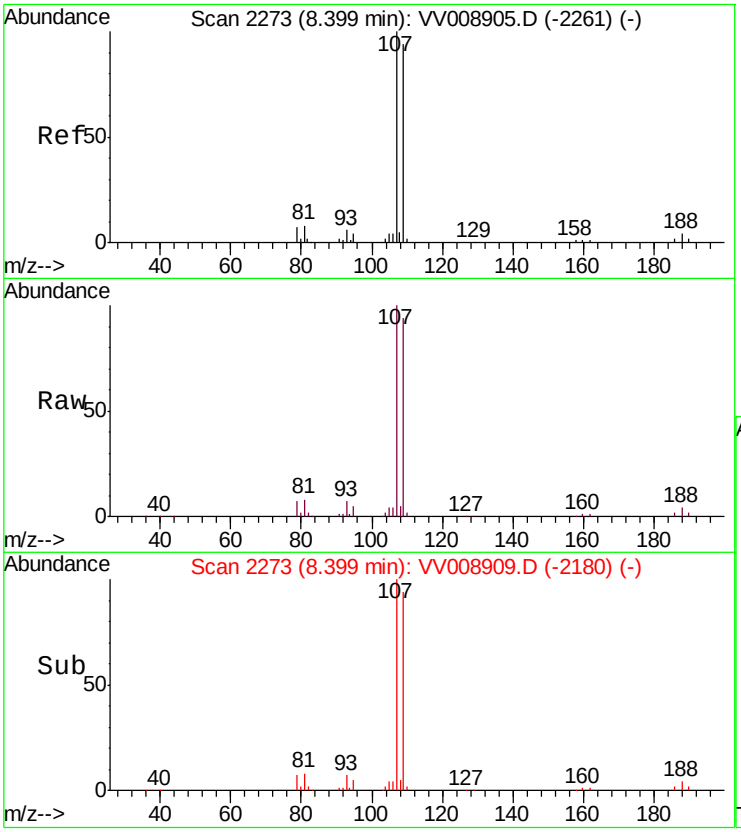




#49
Dibromochloromethane
Concen: 51.044 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:129 Resp: 85574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.5 | 54.5 | 101.3 |



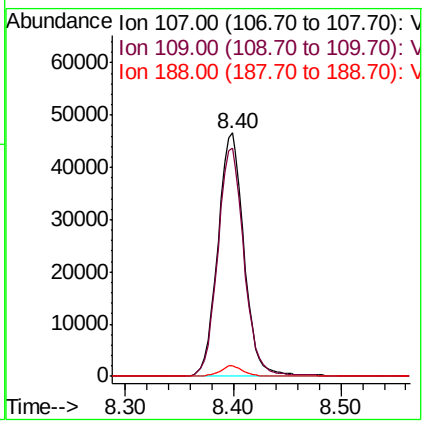


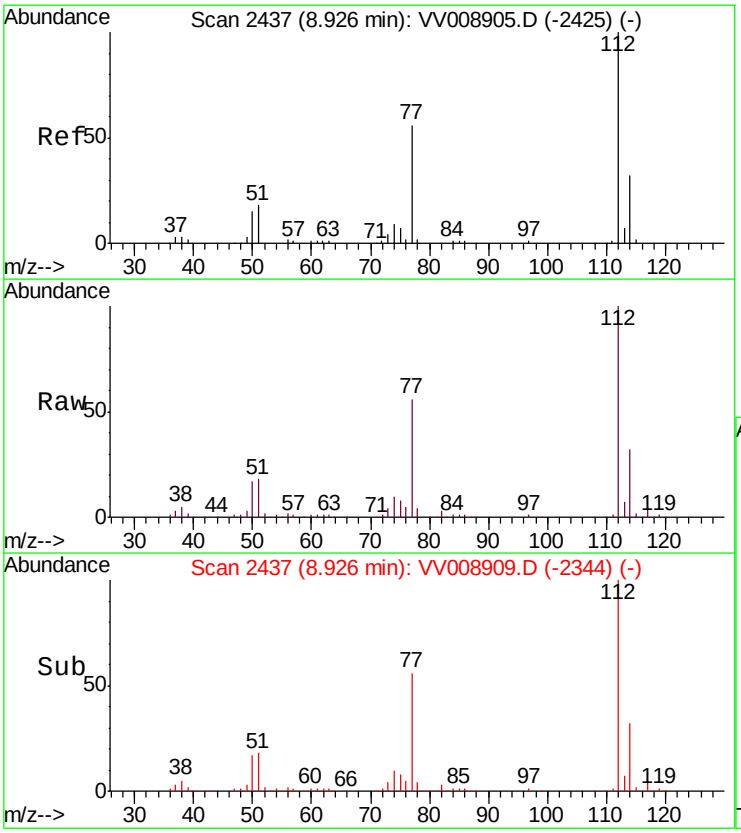

#50
1,2-Dibromoethane
Concen: 50.993 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion:107 Resp: 78625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 66.1 | 122.7 |
| 188 | 4.3 | 2.8 | 4.2# |

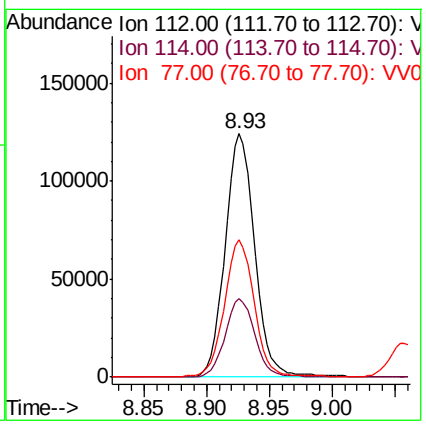


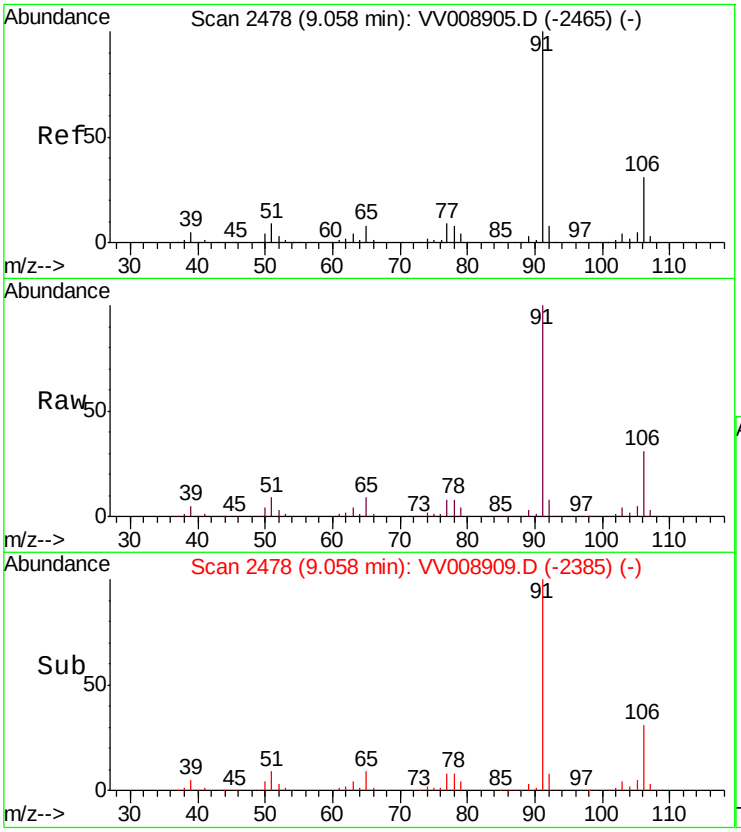




#51
Chlorobenzene
Concen: 50.375 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:112 Resp: 202647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 22.3 | 41.5 |
| 77 | 56.3 | 45.2 | 67.8 |



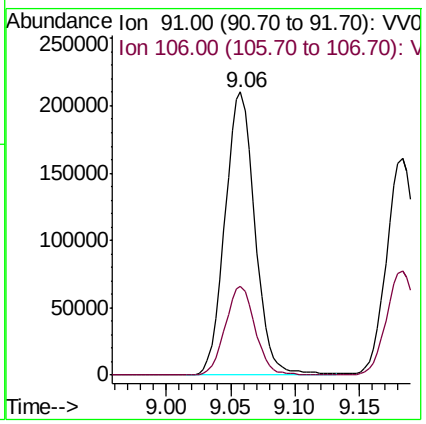


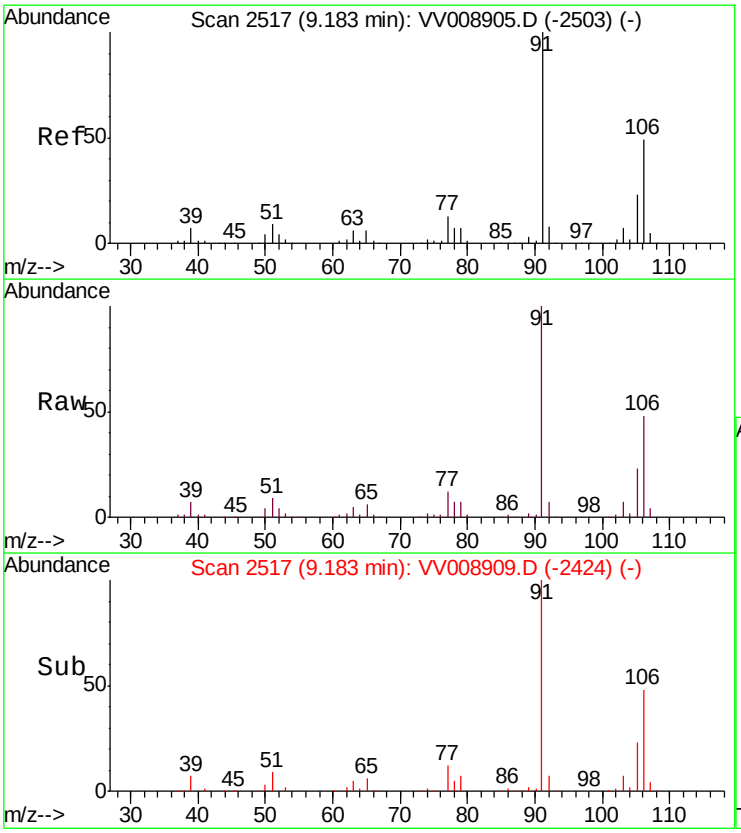

#52
Ethylbenzene
Concen: 52.269 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 91 Resp: 339577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 22.0 | 40.8 |

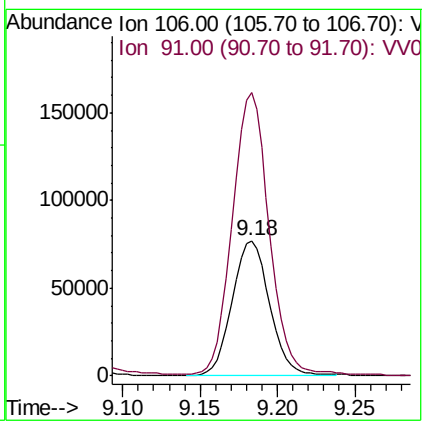


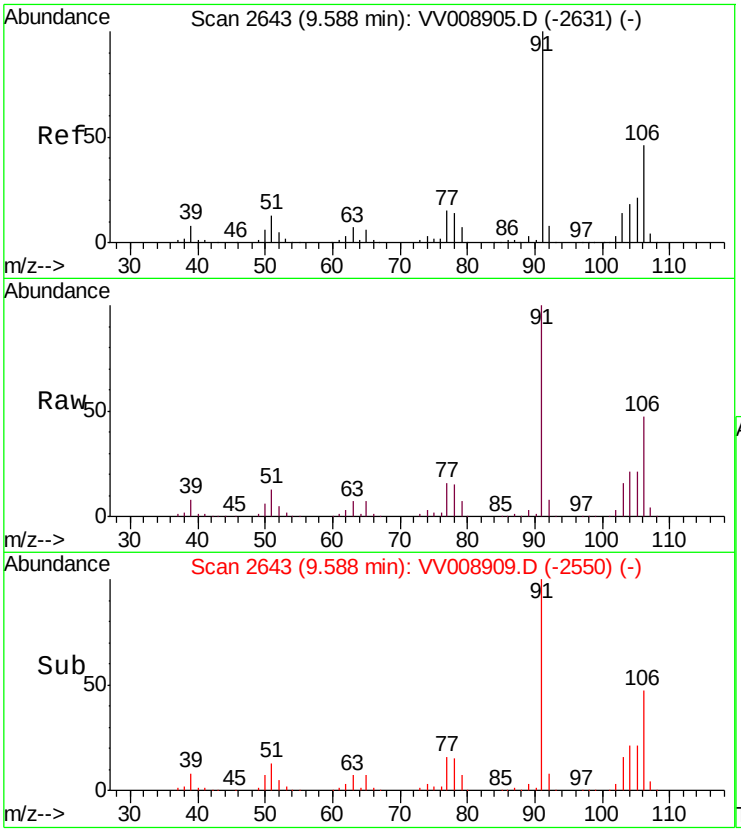




#53
m,p-Xylene
Concen: 51.675 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:106 Resp: 128022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.8 | 142.9 | 265.3 |



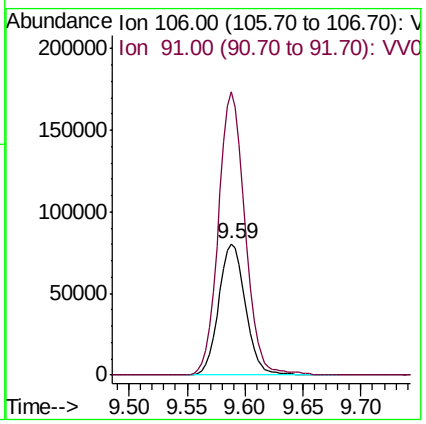


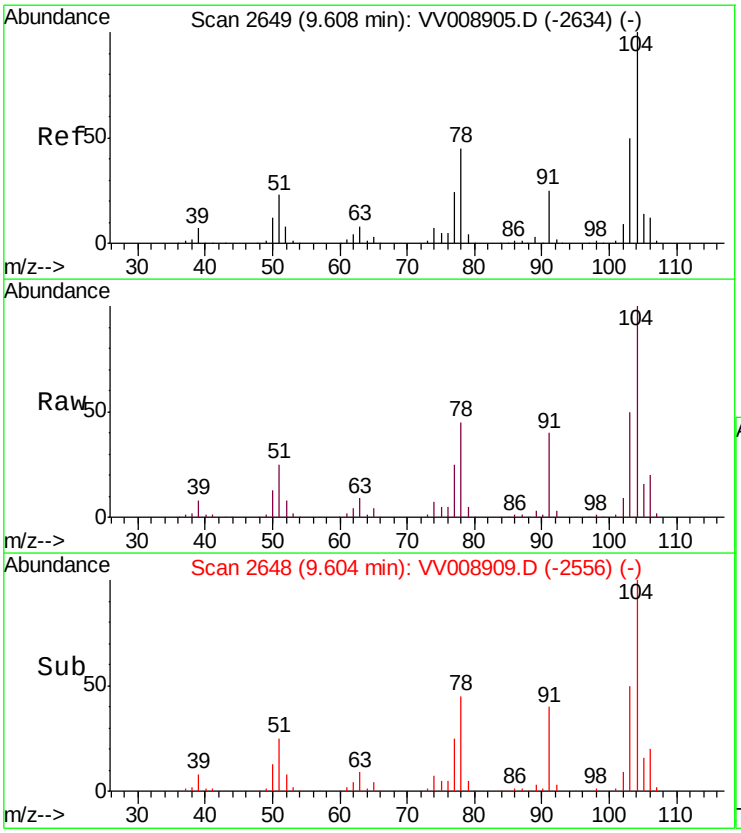

#54
o-xylene
Concen: 52.773 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion:106 Resp: 129317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.9 | 153.4 | 284.8 |

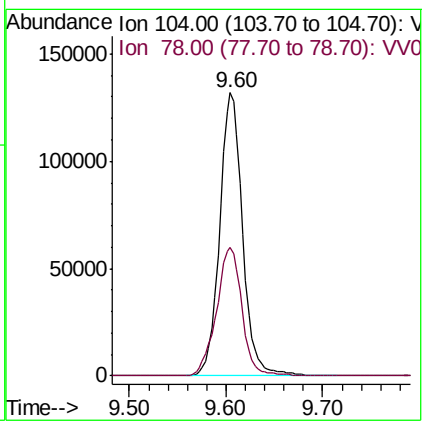


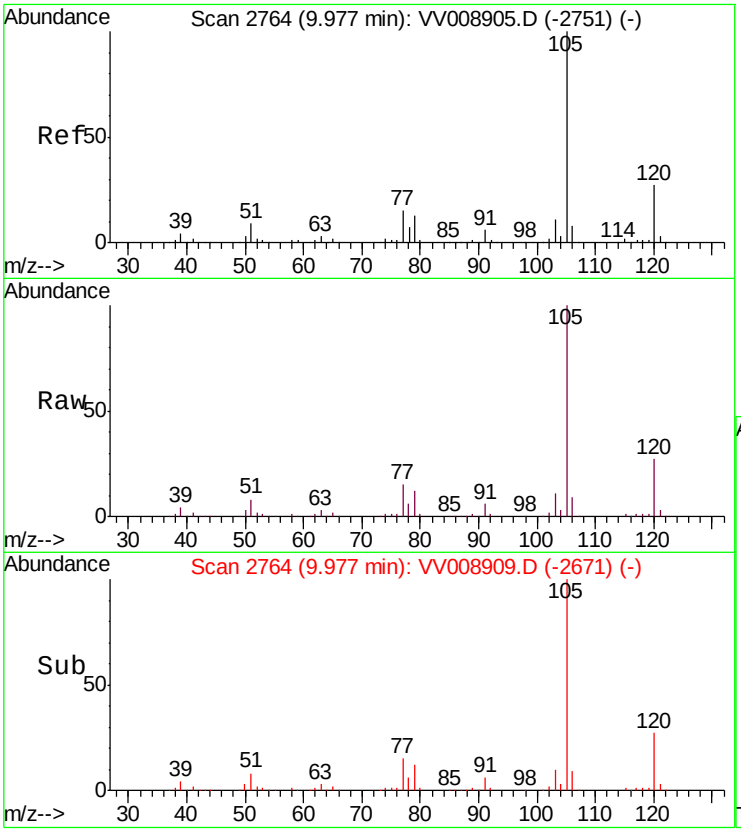




#55
Styrene
Concen: 53.331 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:104 Resp: 216064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 45.4 | 31.6 | 58.6 |



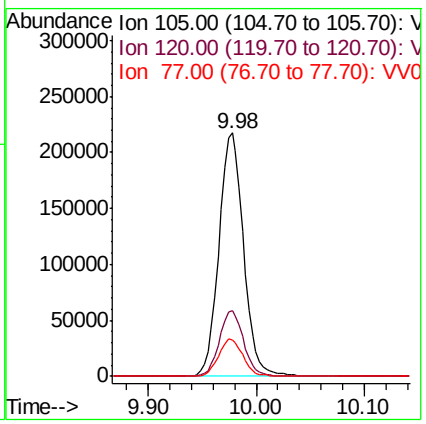


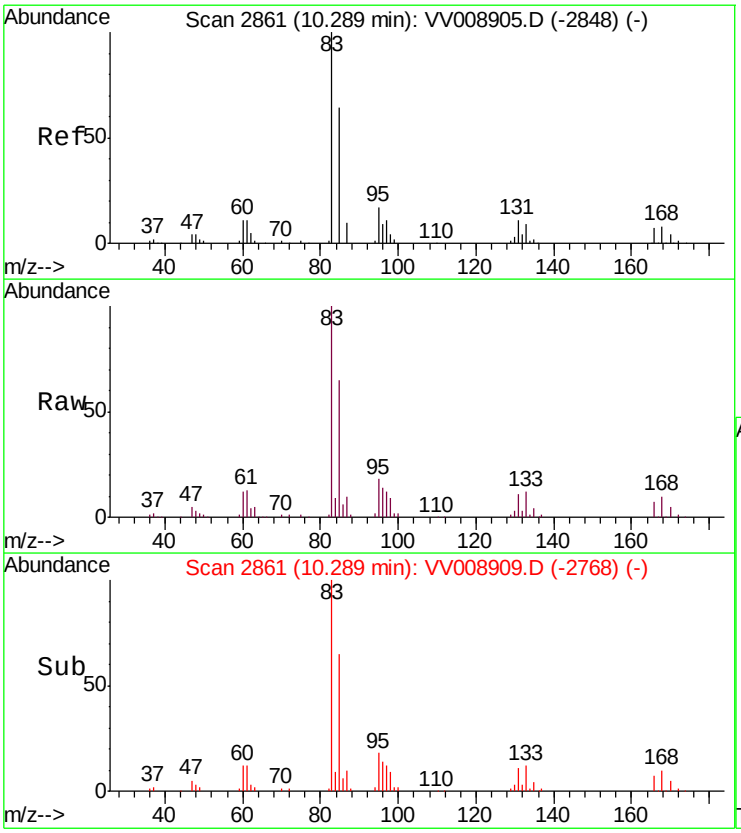

#56
Isopropylbenzene
Concen: 53.257 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Tgt Ion:105 Resp: 344474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.8 | 21.4 | 32.2 |
| 77 | 15.4 | 12.2 | 18.2 |

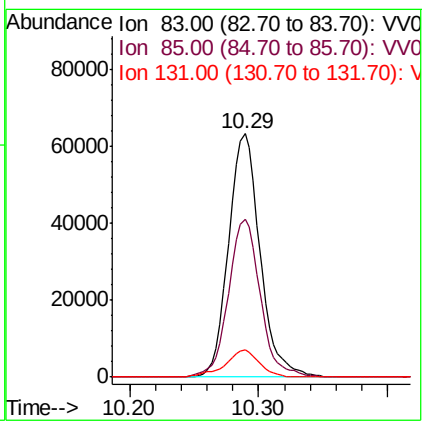


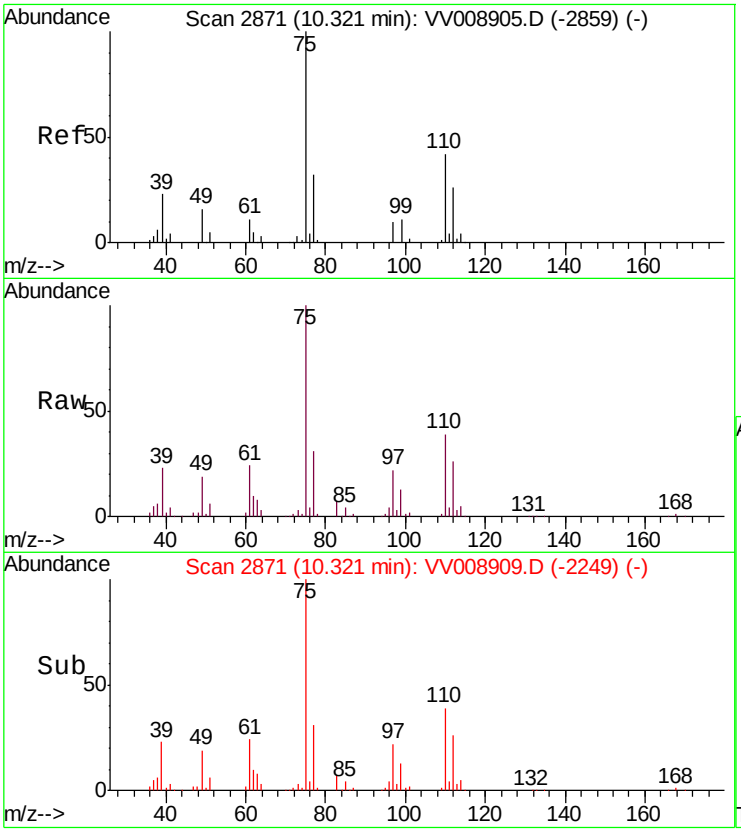




#58
1,1,2,2-Tetrachloroethane
Concen: 50.744 ug/L
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 83 Resp: 107534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 45.3 | 84.1 |
| 131 | 11.0 | 9.2 | 13.8 |



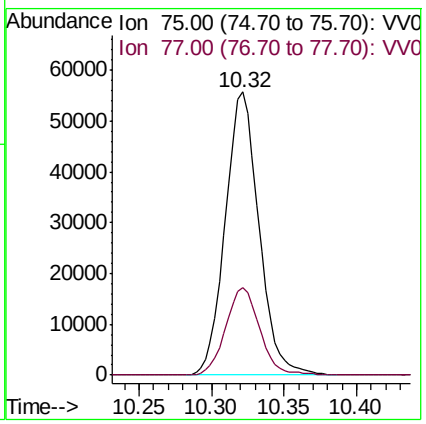


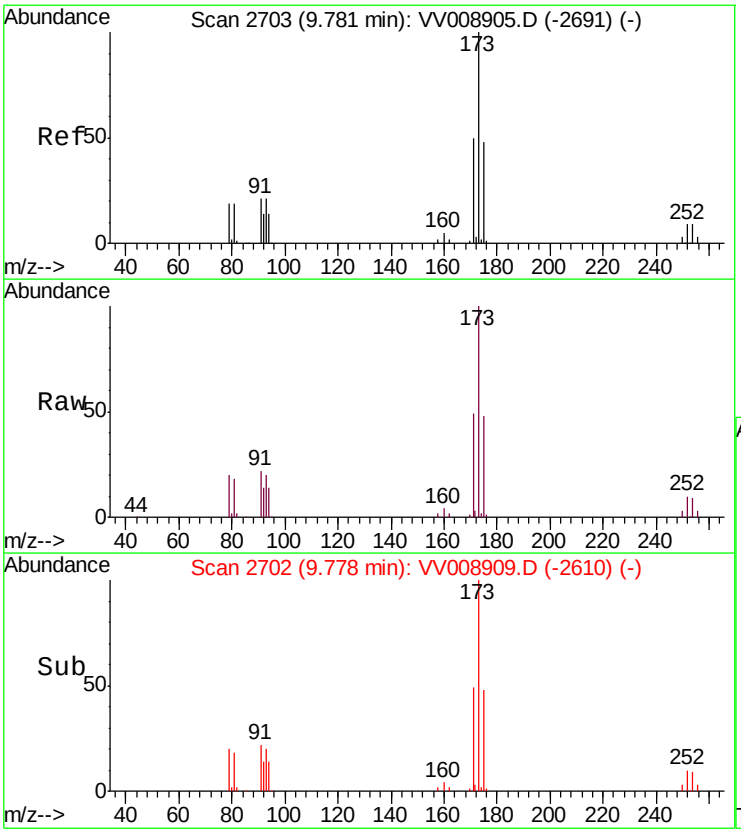

#59
1,2,3-Trichloropropane
Concen: 49.952 ug/L
RT: 10.32 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion: 75 Resp: 89617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 25.8 | 38.8 |

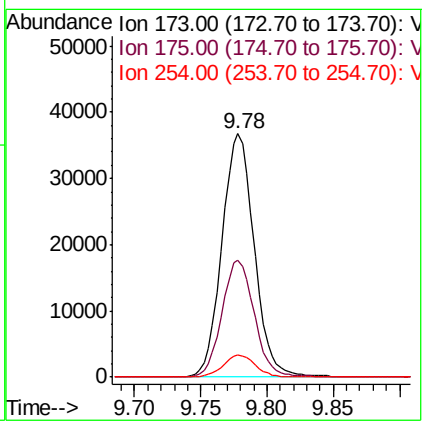


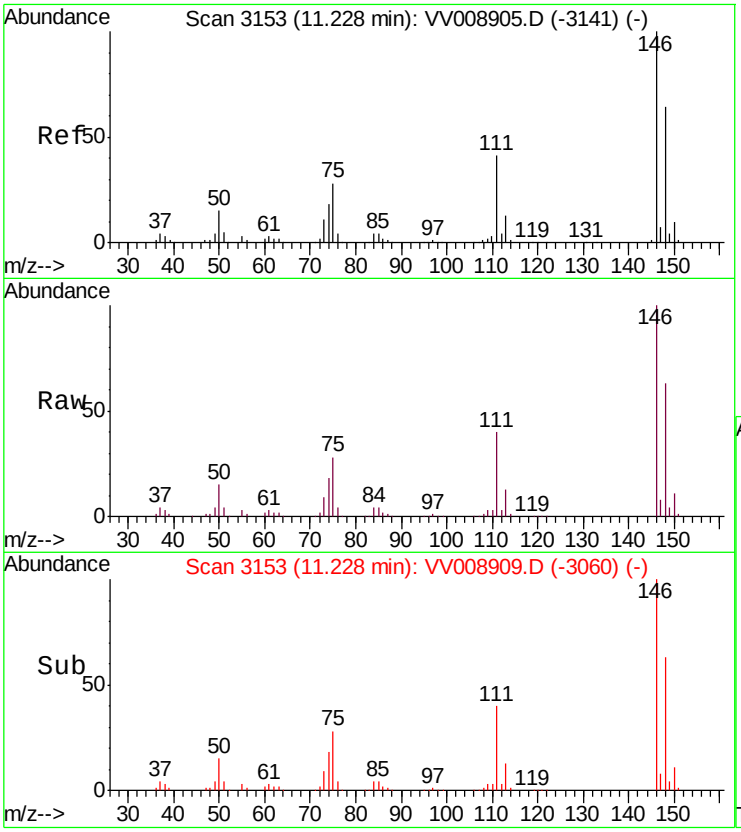




#61
Bromoform
Concen: 49.781 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:173 Resp: 62305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 38.6 | 57.8 |
| 254 | 9.1 | 7.4 | 11.0 |



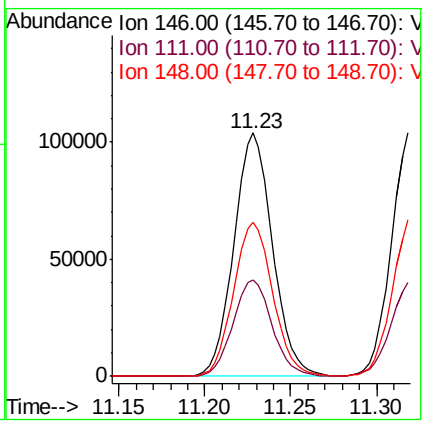


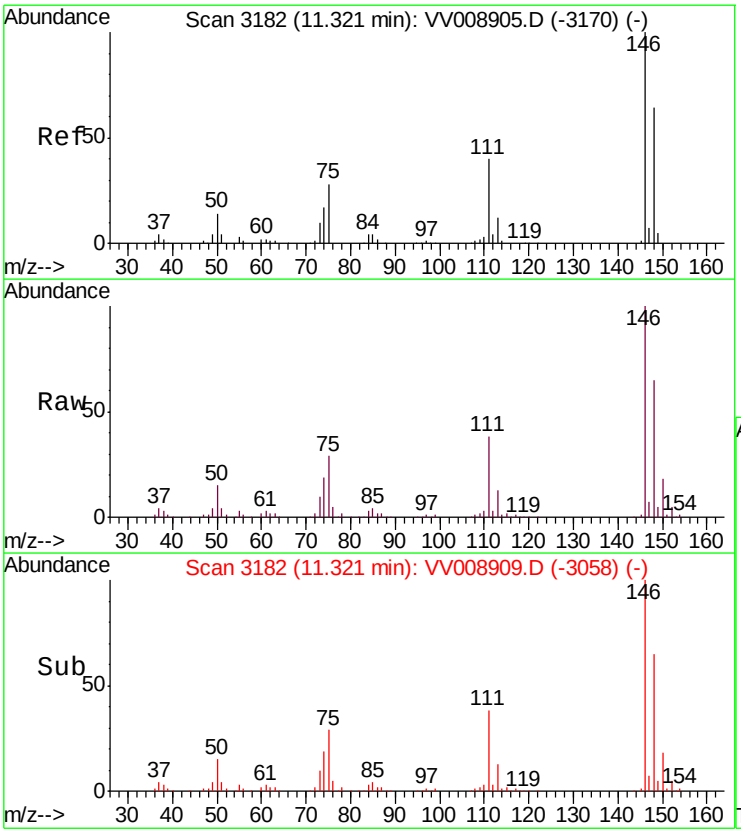

#62
1,3-Dichlorobenzene
Concen: 51.960 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion:146 Resp: 162261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 28.3 | 52.7 |
| 148 | 63.3 | 44.9 | 83.5 |

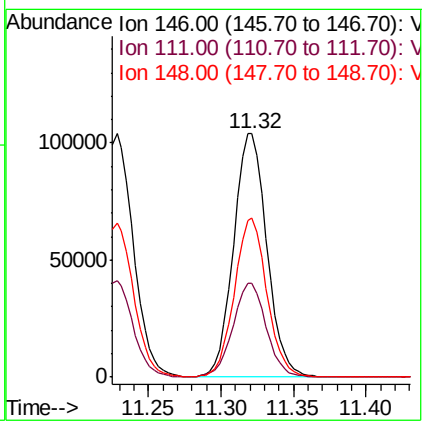


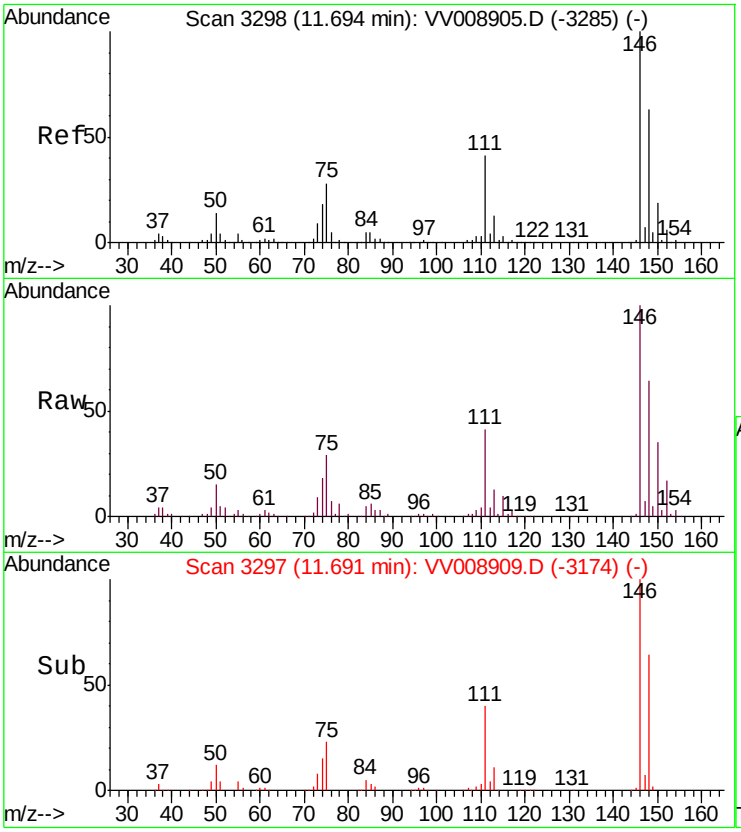




#63
1,4-Dichlorobenzene
Concen: 52.485 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:146 Resp: 165040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.4 | 27.9 | 51.9 |
| 148 | 65.5 | 45.2 | 84.0 |



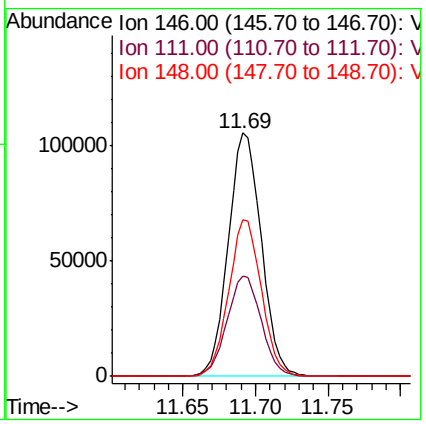


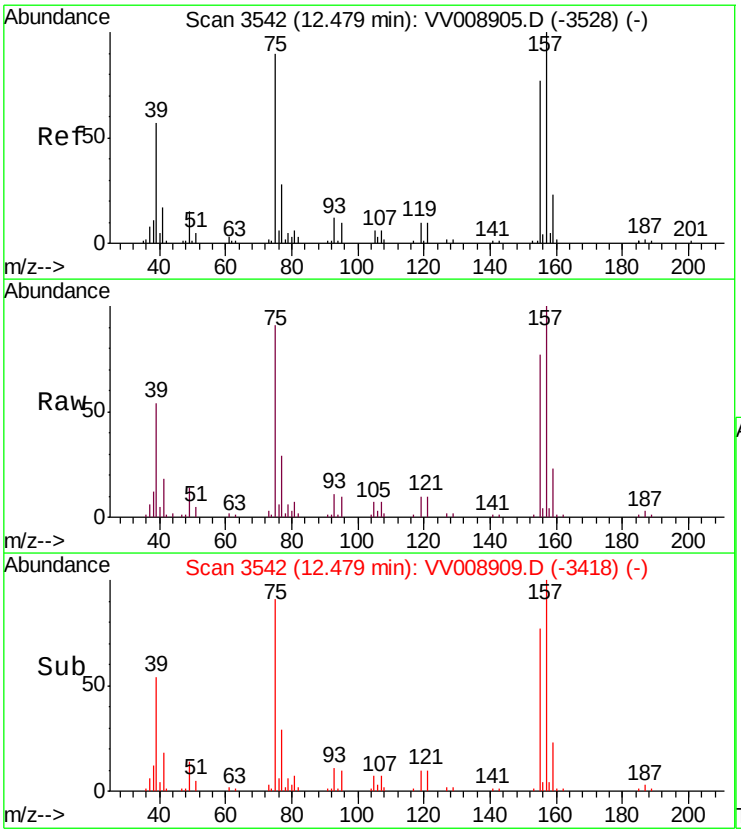

#65
1,2-Dichlorobenzene
Concen: 52.657 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Tgt Ion:146 Resp: 166969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 32.8 | 49.2 |
| 148 | 64.5 | 50.5 | 75.7 |

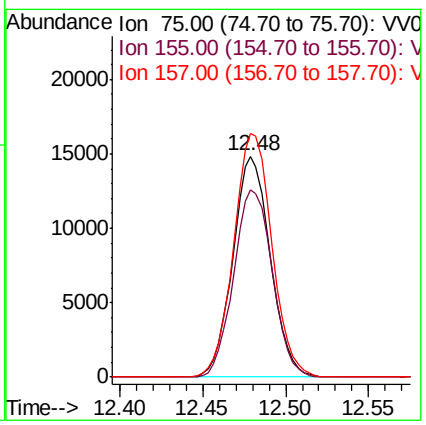


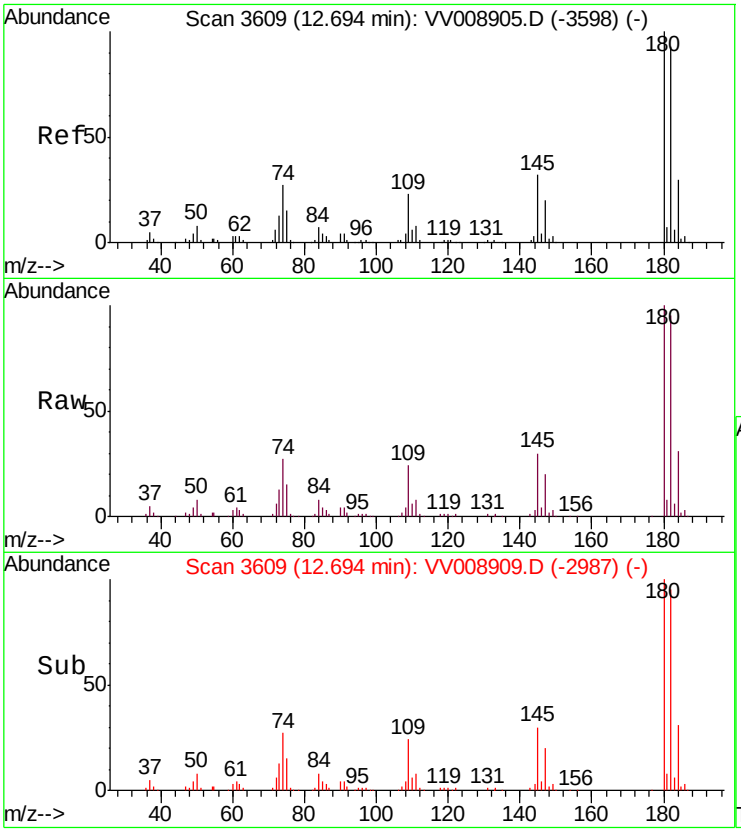




#66
1,2-Dibromo-3-chloropropane
Concen: 53.686 ug/L
RT: 12.48 min Scan# 3542
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion: 75 Resp: 23271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.8 | 68.6 | 102.8 |
| 157 | 110.4 | 89.4 | 134.0 |



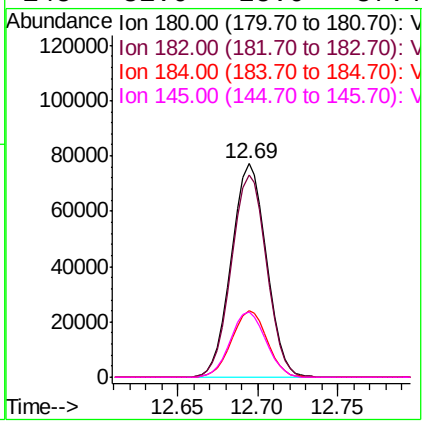


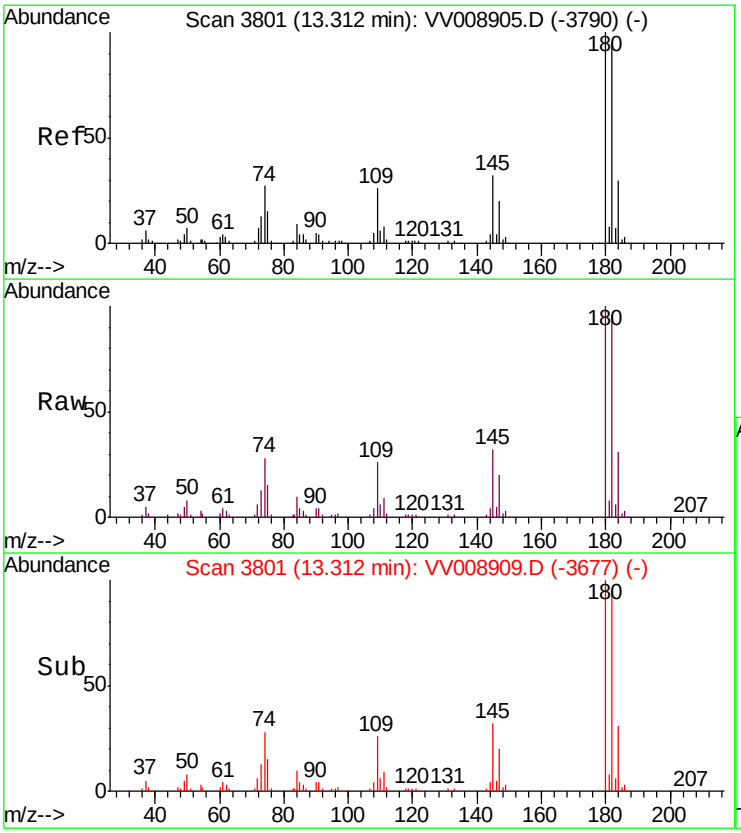

#67
1,3,5-Trichlorobenzene
Concen: 57.077 ug/L
RT: 12.69 min Scan# 3609
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05076

Tgt Ion:180 Resp: 114873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 75.4 | 113.0 |
| 184 | 31.4 | 24.2 | 36.2 |
| 145 | 31.0 | 25.0 | 37.4 |

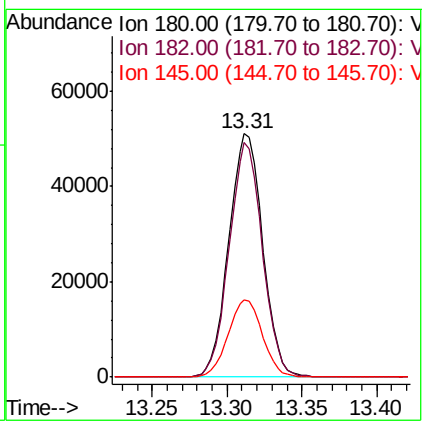


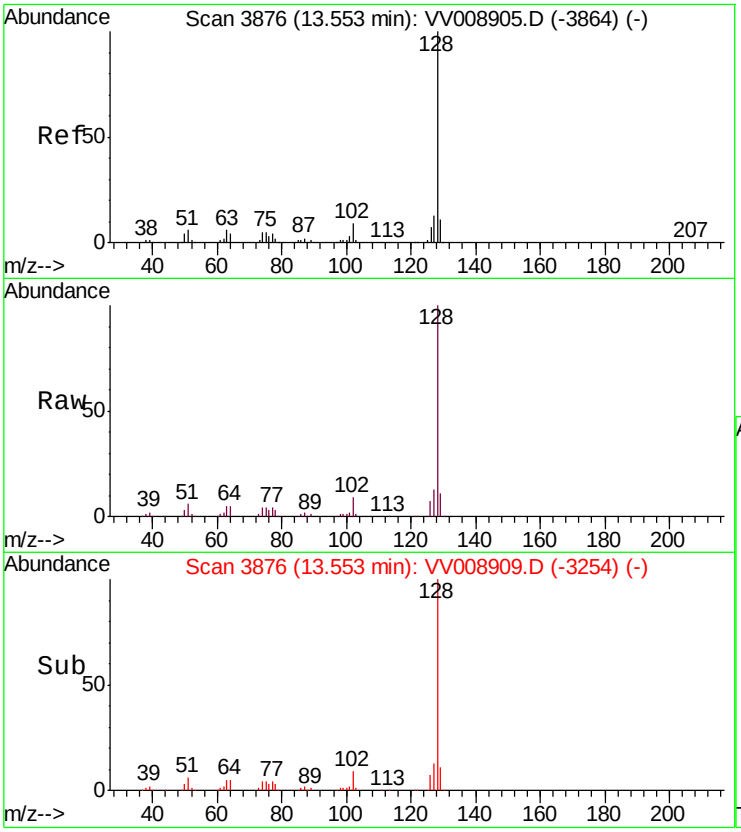




#68
1,2,4-trichlorobenzene
Concen: 58.485 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:180 Resp: 80739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 75.7 | 113.5 |
| 145 | 31.7 | 25.0 | 37.4 |



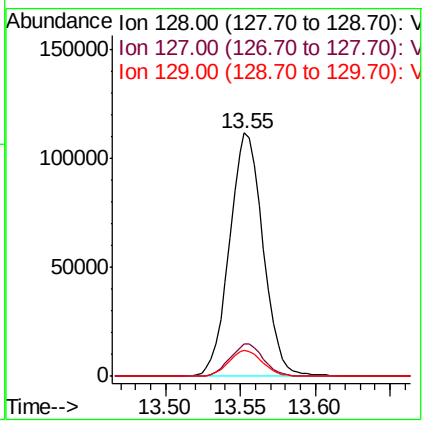


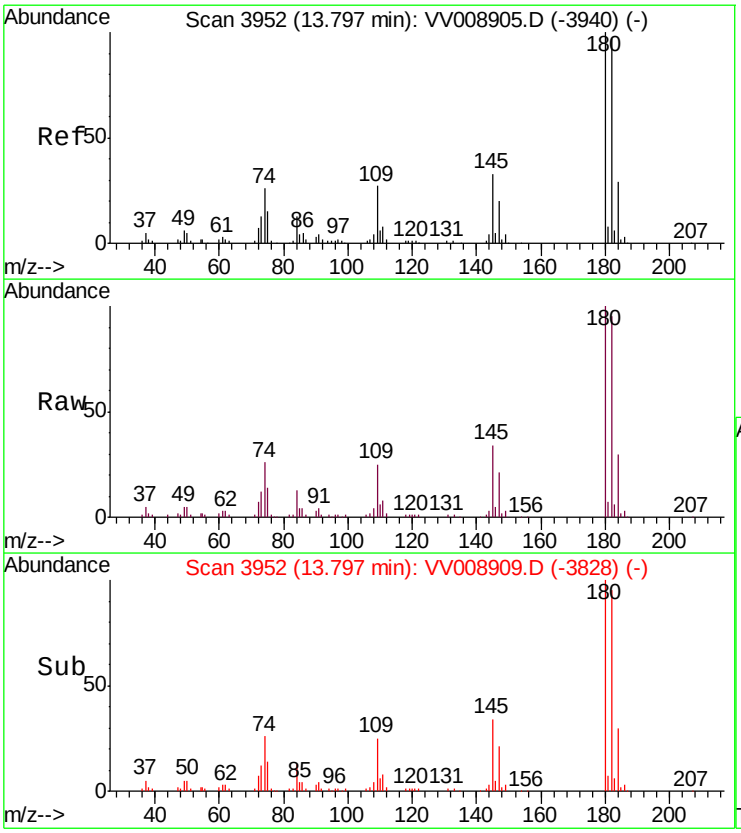

#69
Naphthalene
Concen: 50.569 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05076

Tgt Ion:128 Resp: 174552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.4 | 15.6 |
| 129 | 10.8 | 8.6 | 12.8 |




#70
1,2,3-Trichlorobenzene
Concen: 57.953 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV008909.D
Acq: 13 Dec 2018 15:19

Tgt Ion:180 Resp: 80567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 76.6 | 115.0 |
| 145 | 33.9 | 26.1 | 39.1 |