Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\

Quantitation Report (Not Reviewed)

Data File : VV009112.D
Acq On : 21 Dec 2018 04:23
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Quant Time: Dec 21 07:56:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 214828 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 199672 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 91440 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 42184 | 18.98 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 75.92% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 45312 | 27.59 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 110.36% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 113277 | 20.38 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 81.52% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 45362 | 56.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 112.10% | | | |
| 24) Chloroform-d | 4.40 | 84 | 128395 | 24.86 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 99.44% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 76178 | 27.03 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 108.12% | | | |
| 29) Benzene-d6 | 5.10 | 84 | 244683 | 21.94 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 87.76% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 75691 | 24.24 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 96.96% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 228857 | 22.18 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 88.72% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 32903 | 23.99 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 95.96% | | | |
| 39) 2-Hexanone-d5 | 8.14 | 63 | 29735 | 51.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 103.98% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 69428 | 26.51 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 106.04% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 83462 | 24.32 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 97.28% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 62697 | 17.804 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 47790 | 19.749 | ug/L | 99 |
| 5) Vinyl chloride | 1.32 | 62 | 52968 | 19.607 | ug/L | 100 |
| 6) Bromomethane | 1.53 | 94 | 41404 | 31.878 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 39525 | 26.123 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.76 | 101 | 115053 | 24.865 | ug/L | 98 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 68817 | 21.685 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 59182 | 21.371 | ug/L | 99 |
| 13) Acetone | 2.20 | 43 | 36491 | 30.601 | ug/L | 99 |
| 14) Carbon disulfide | 2.32 | 76 | 173555 | 19.517 | ug/L | 99 |
| 15) Methyl Acetate | 2.46 | 43 | 36814 | 24.346 | ug/L | 99 |
| 16) Methylene chloride | 2.53 | 84 | 76705 | 21.203 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 2.80 | 73 | 175046 | 27.823 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 68442 | 22.872 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 118319 | 24.391 | ug/L | 99 |
| 21) 2-Butanone | 4.02 | 43 | 45913 | 41.079 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 75843 | 24.308 | ug/L | 98 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\

Quantitation Report (Not Reviewed)

Data File : VV009112.D
Acq On : 21 Dec 2018 04:23
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Quant Time: Dec 21 07:56:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 37166 | 25.273 | ug/L | 97 |
| 25) Chloroform | 4.42 | 83 | 132313 | 25.415 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 92390 | 26.052 | ug/L | 100 |
| 30) Cyclohexane | 4.73 | 56 | 93849 | 18.666 | ug/L | 97 |
| 31) 1,1,1-Trichloroethane | 4.66 | 97 | 111608 | 21.680 | ug/L | 99 |
| 32) Carbon tetrachloride | 4.88 | 117 | 99945 | 21.265 | ug/L | 99 |
| 34) Benzene | 5.15 | 78 | 261615 | 21.869 | ug/L | 100 |
| 35) Trichloroethene | 5.96 | 95 | 80811 | 22.406 | ug/L | 99 |
| 36) Methylcyclohexane | 6.18 | 83 | 111918 | 19.457 | ug/L | 99 |
| 40) 1,2-Dichloropropane | 6.22 | 63 | 69352 | 24.155 | ug/L | 98 |
| 41) Bromodichloromethane | 6.56 | 83 | 92666 | 24.488 | ug/L | 100 |
| 42) cis-1,3-Dichloropropene | 7.07 | 75 | 104233 | 24.797 | ug/L | 97 |
| 43) 4-Methyl-2-pentanone | 7.27 | 43 | 89710 | 46.229 | ug/L | 99 |
| 44) Toluene | 7.43 | 91 | 284067 | 22.642 | ug/L | 98 |
| 45) trans-1,3-Dichloropropene | 7.69 | 75 | 90759 | 24.768 | ug/L | 98 |
| 46) 1,1,2-Trichloroethane | 7.88 | 97 | 60715 | 25.380 | ug/L | 99 |
| 47) Tetrachloroethene | 8.02 | 164 | 61748 | 21.053 | ug/L | 99 |
| 49) 2-Hexanone | 8.19 | 43 | 63686 | 39.668 | ug/L | 99 |
| 50) Dibromochloromethane | 8.29 | 129 | 73101 | 26.658 | ug/L | 99 |
| 51) 1,2-Dibromoethane | 8.40 | 107 | 59947 | 24.954 | ug/L | 100 |
| 52) Chlorobenzene | 8.93 | 112 | 193788 | 23.722 | ug/L | 99 |
| 53) Ethylbenzene | 9.06 | 91 | 312877 | 22.988 | ug/L | 99 |
| 54) m,p-Xylene | 9.18 | 106 | 117705 | 22.840 | ug/L | 96 |
| 55) o-xylene | 9.59 | 106 | 115361 | 24.093 | ug/L | 98 |
| 56) Styrene | 9.60 | 104 | 188637 | 24.422 | ug/L | 96 |
| 57) Isopropylbenzene | 9.98 | 105 | 299059 | 22.981 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 64451 | 24.921 | ug/L | 97 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 56620 | 25.302 | ug/L | 99 |
| 62) Bromoform | 9.78 | 173 | 43500 | 26.348 | ug/L | 97 |
| 63) 1,3-Dichlorobenzene | 11.23 | 146 | 141593 | 24.031 | ug/L | 99 |
| 64) 1,4-Dichlorobenzene | 11.32 | 146 | 141170 | 23.282 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 133522 | 24.581 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 10960 | 24.628 | ug/L | 95 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 96269 | 22.620 | ug/L | 97 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 69985 | 23.469 | ug/L | 98 |
| 69) Naphthalene | 13.55 | 128 | 118947 | 23.159 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 65525 | 23.786 | ug/L | 99 |

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

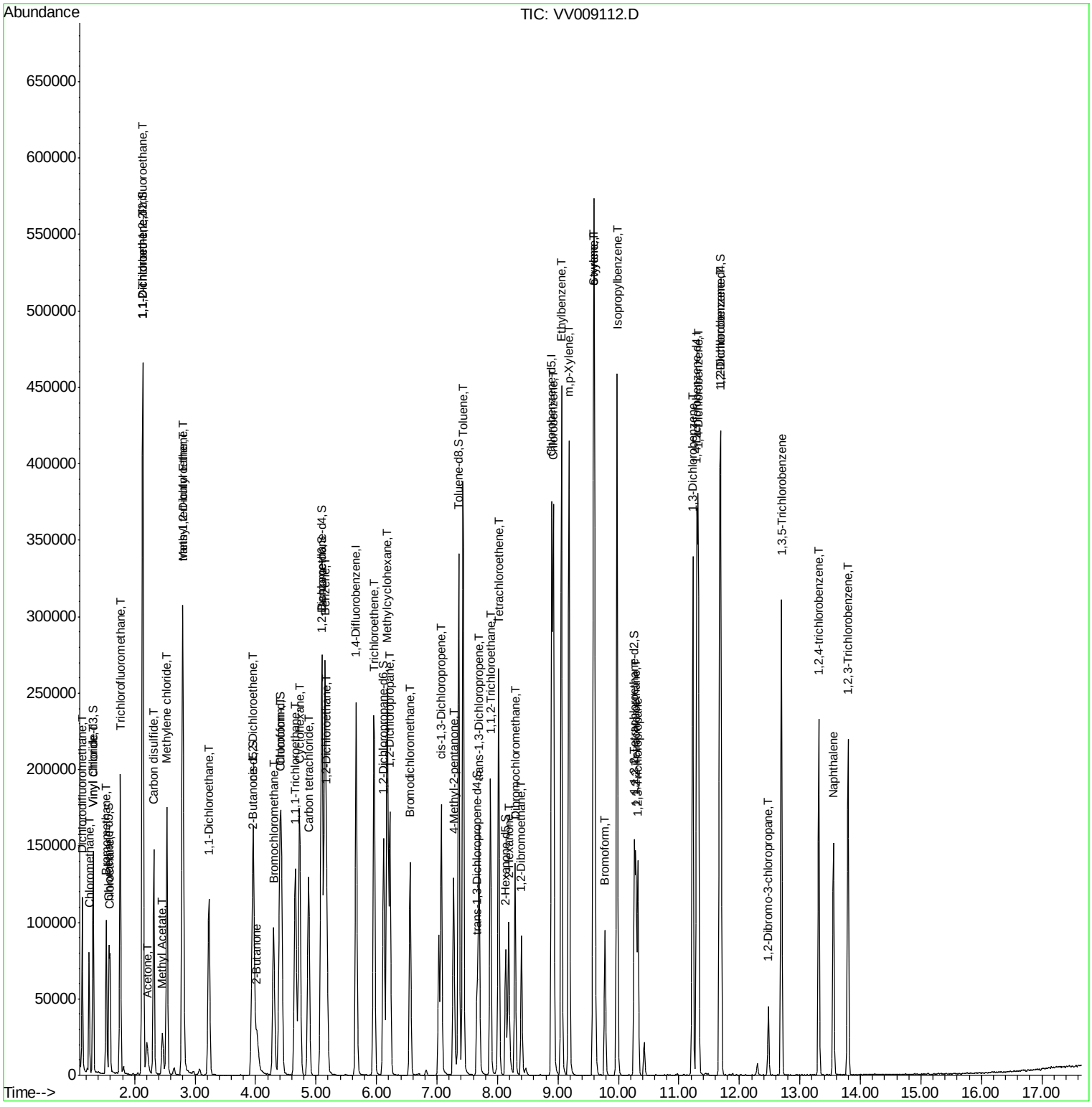
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\

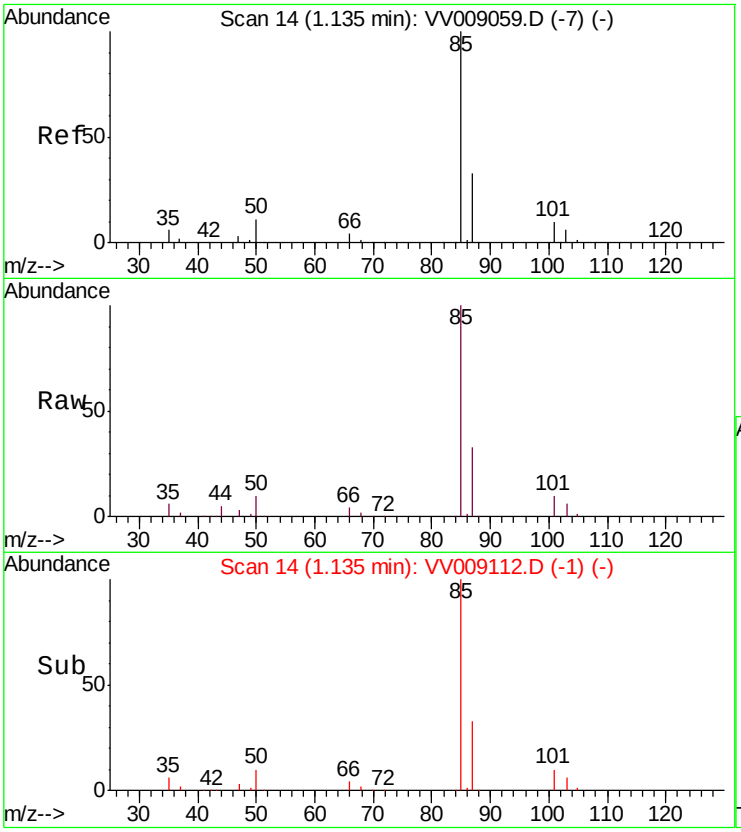
Quantitation Report (Not Reviewed)

Data File : VV009112.D
Acq On : 21 Dec 2018 04:23
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Quant Time: Dec 21 05:54:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration



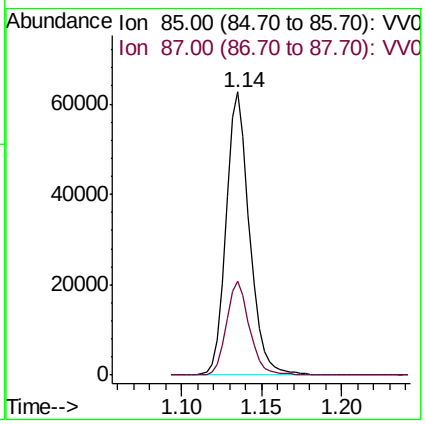


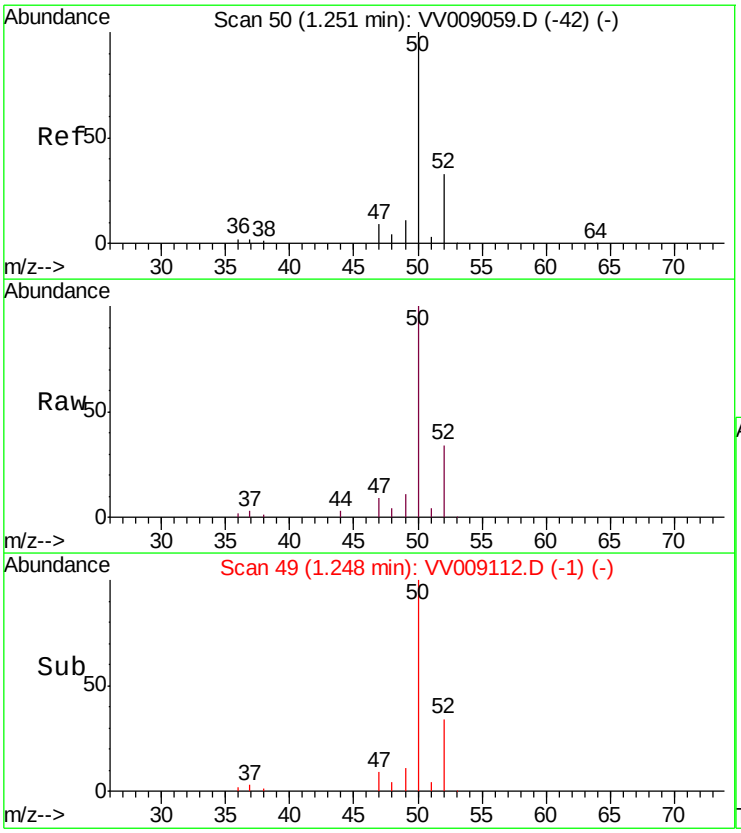

#2
Dichlorodifluoromethane
Concen: 17.804 ug/L
RT: 1.14 min Scan# 14
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 85 Resp: 62697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 22.4 | 41.6 |

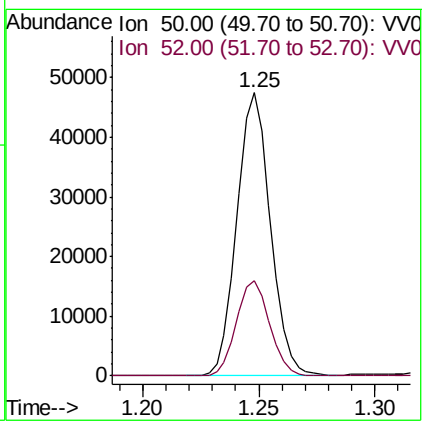


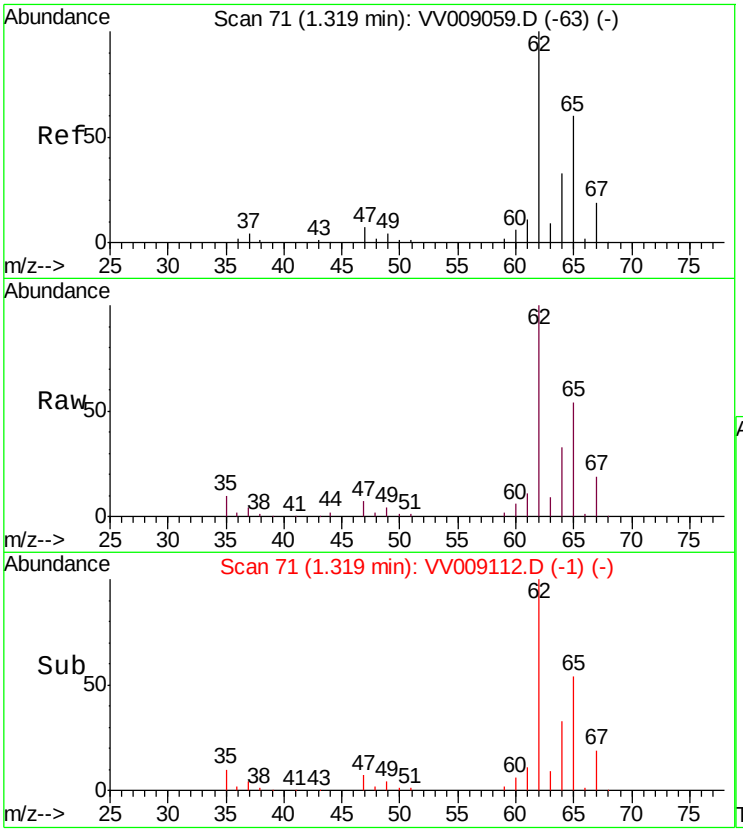




#3
Chloromethane
Concen: 19.749 ug/L
RT: 1.25 min Scan# 49
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 50 Resp: 47790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 23.2 | 43.2 |



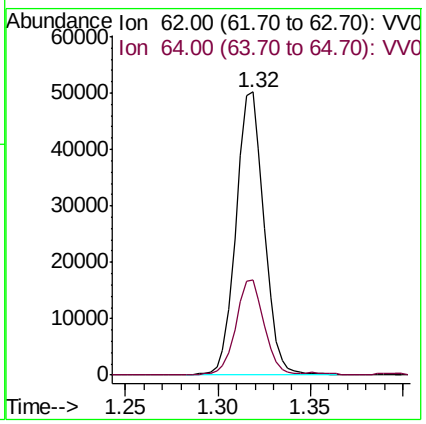


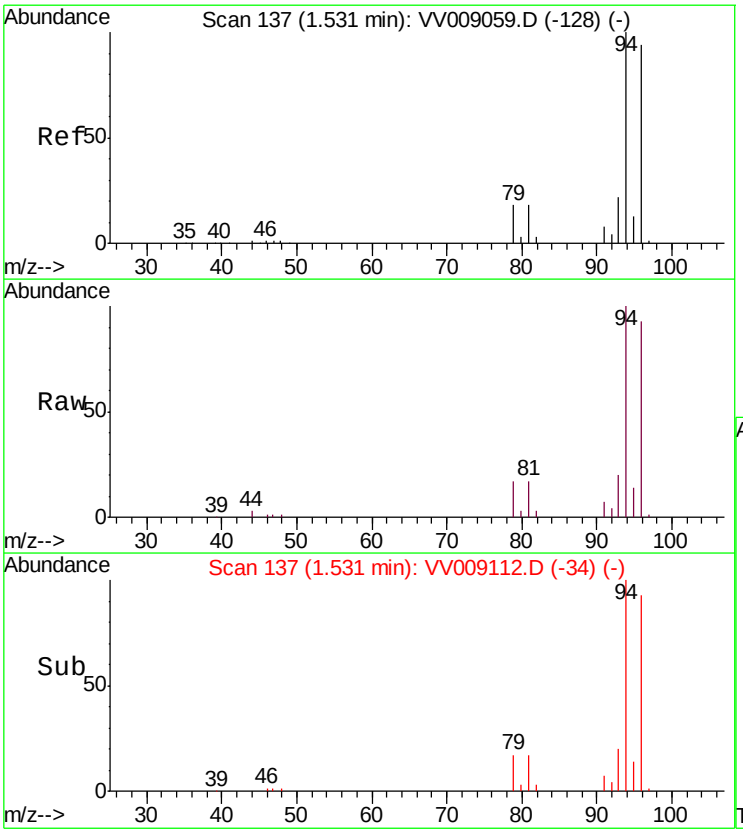

#5
Vinyl chloride
Concen: 19.607 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 62 Resp: 52968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.5 | 23.3 | 43.3 |

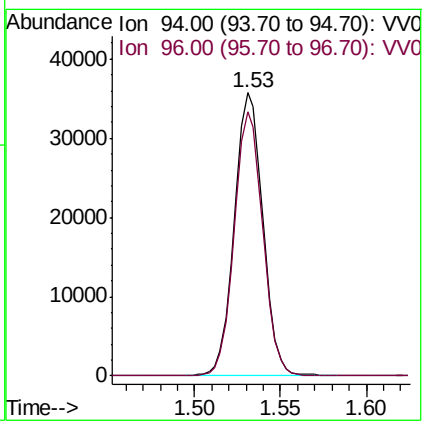


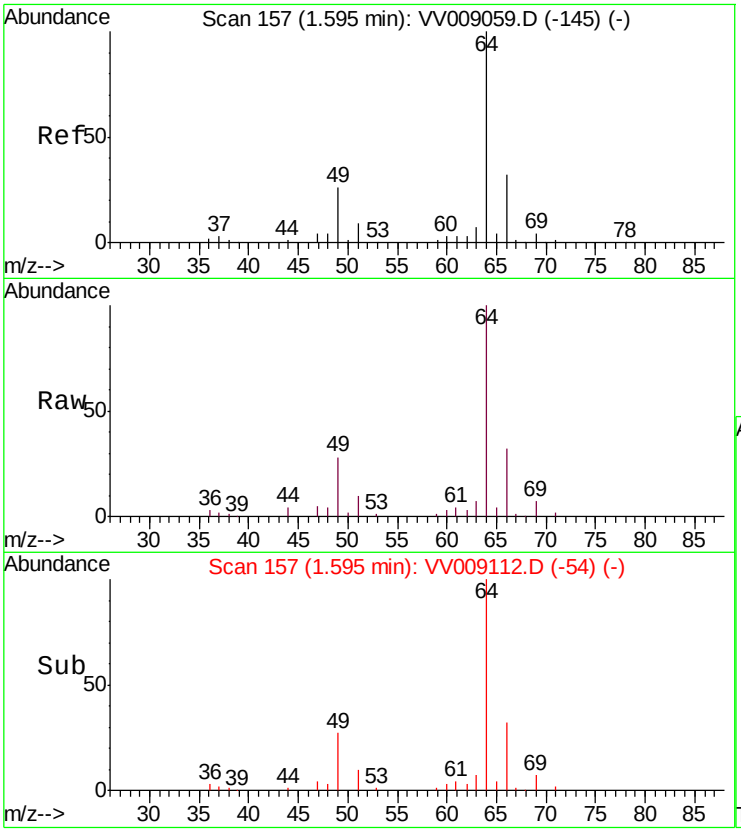




#6
Bromomethane
Concen: 31.878 ug/L
RT: 1.53 min Scan# 137
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 94 Resp: 41404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.2 | 9.5 | 180.9 |



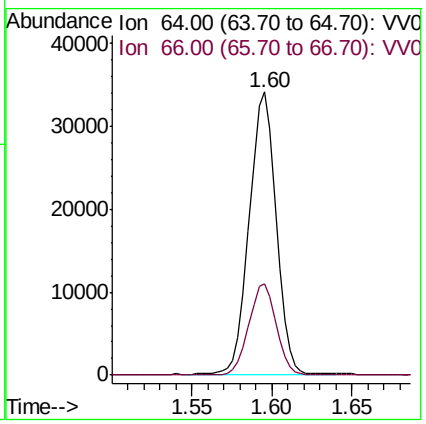


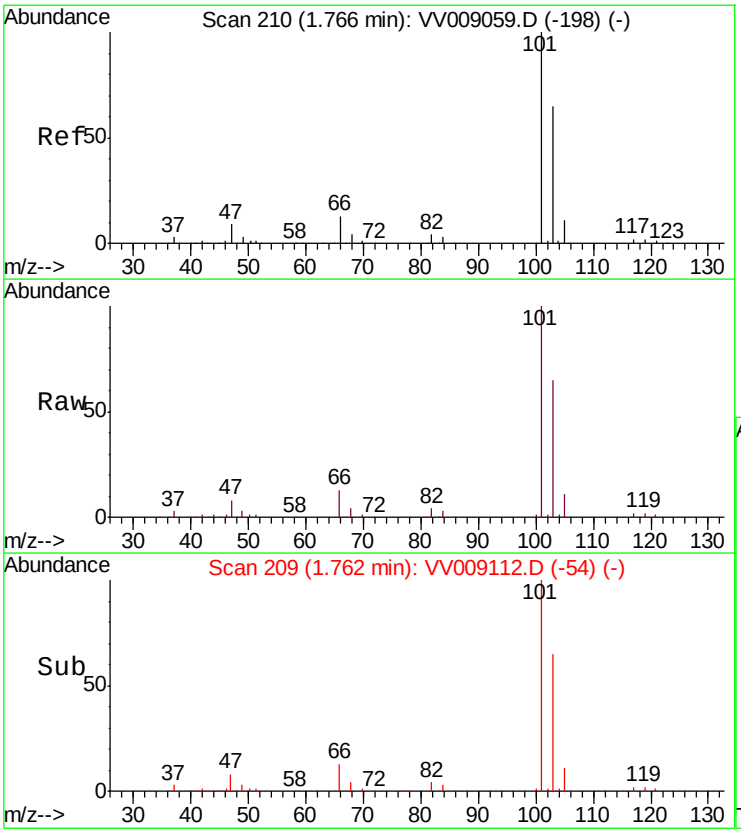

#8
Chloroethane
Concen: 26.123 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion: 64 Resp: 39525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.5 | 22.2 | 41.2 |

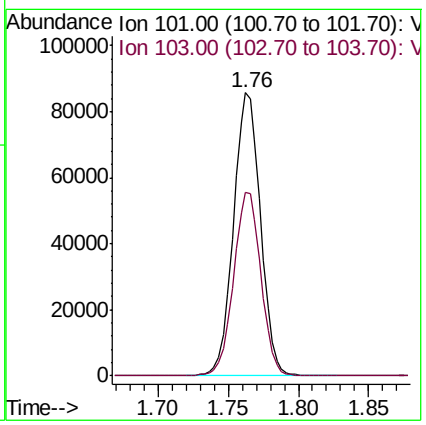


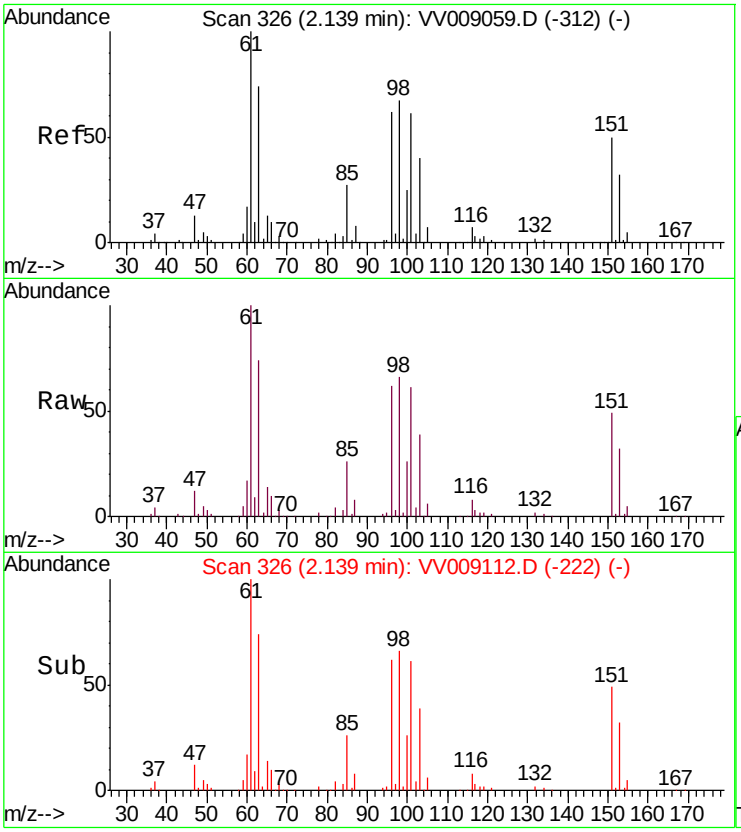




#9
Trichlorofluoromethane
Concen: 24.865 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:101 Resp: 115053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 44.8 | 83.2 |



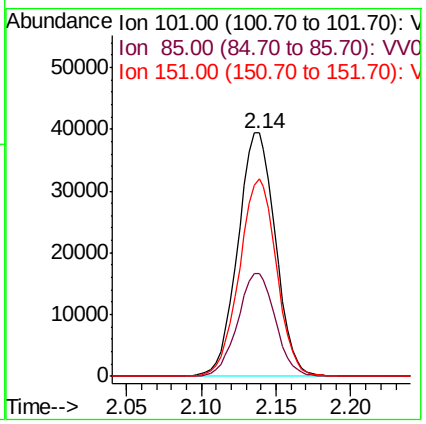


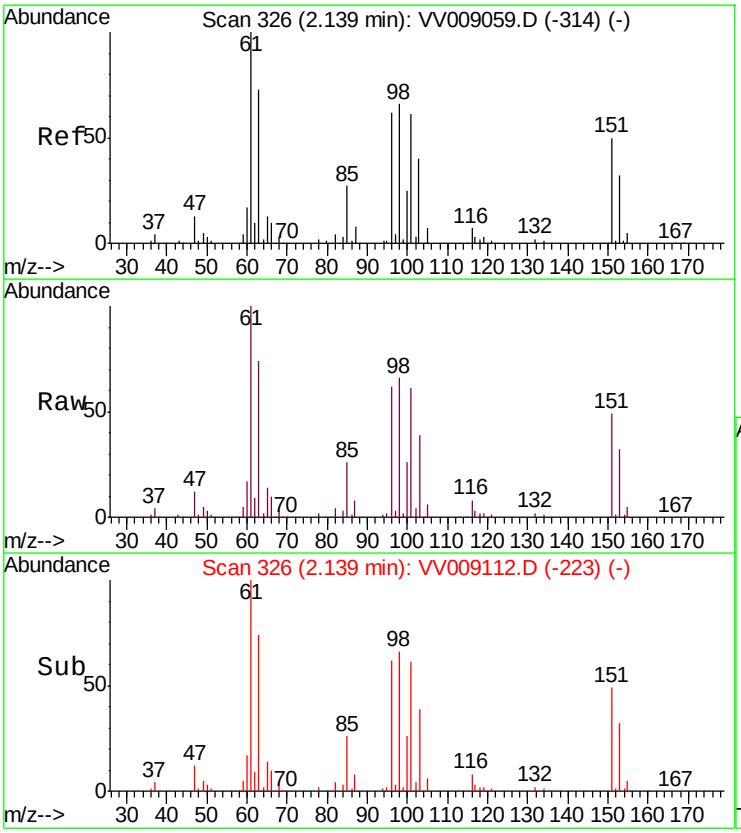

#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.685 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion:101 Resp: 68817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.2 | 32.5 | 48.7 |
| 151 | 80.1 | 64.2 | 96.4 |

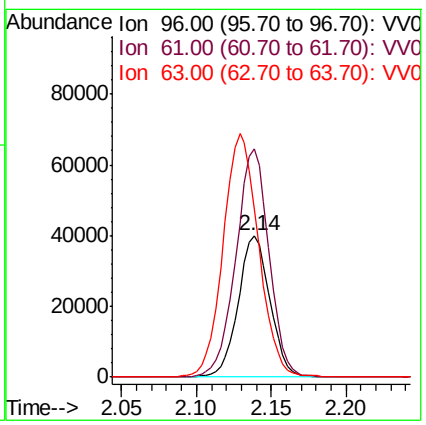


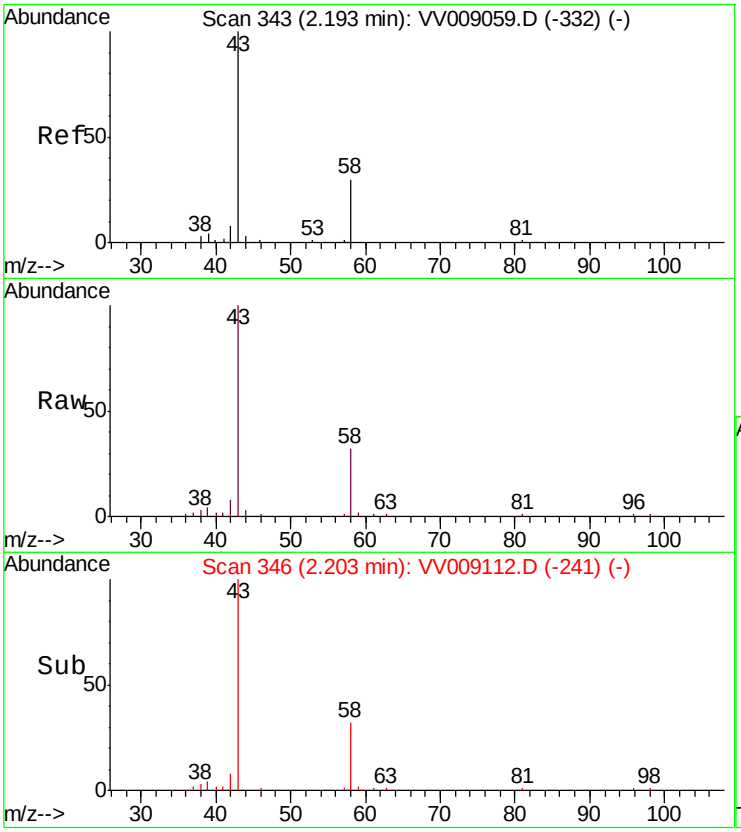




#12
1,1-Dichloroethene
Concen: 21.371 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 96 Resp: 59182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.1 | 114.0 | 211.6 |
| 63 | 119.0 | 82.4 | 153.0 |



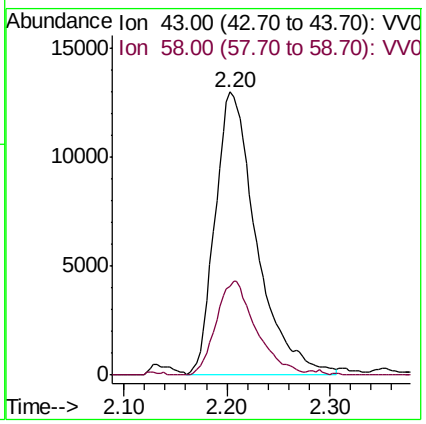


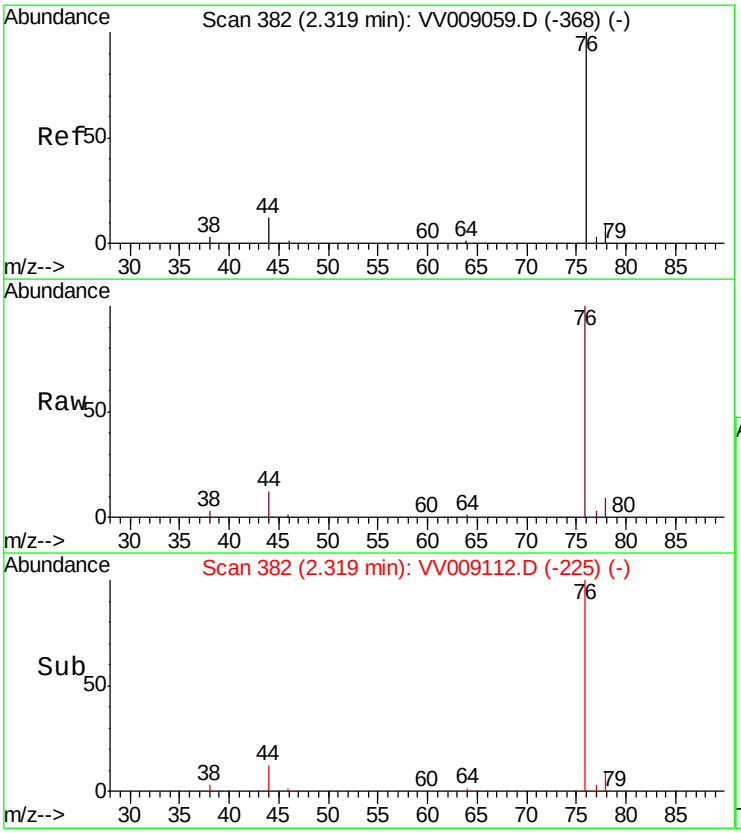

#13
Acetone
Concen: 30.601 ug/L
RT: 2.20 min Scan# 346
Delta R.T. 0.01 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion: 43 Resp: 36491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 0.0 | 65.4 |

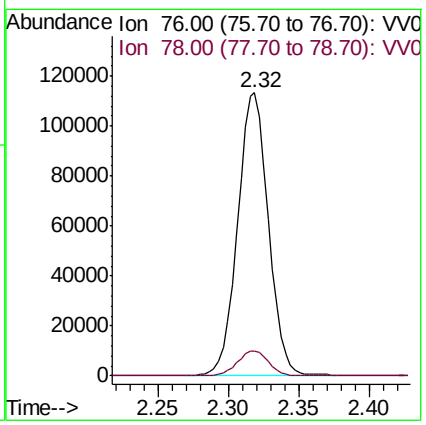


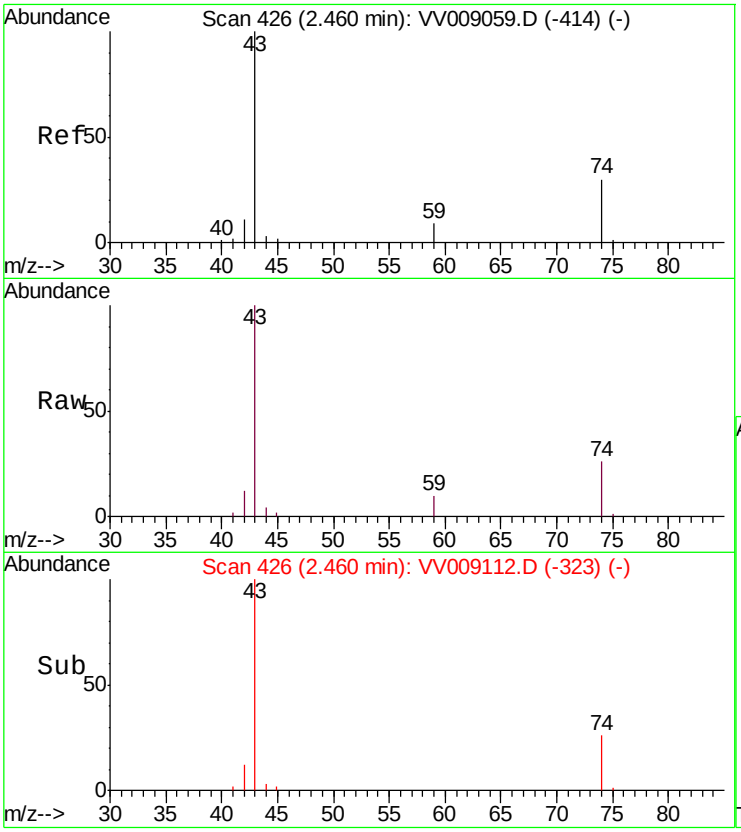




#14
Carbon disulfide
Concen: 19.517 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 76 Resp: 173555

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



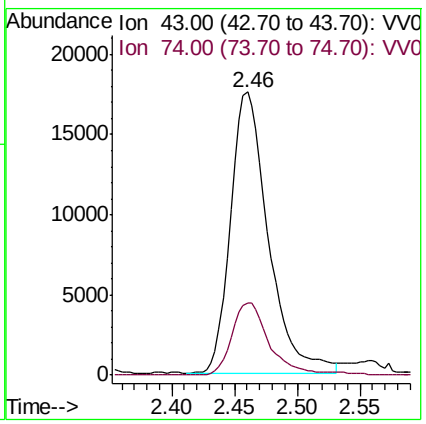


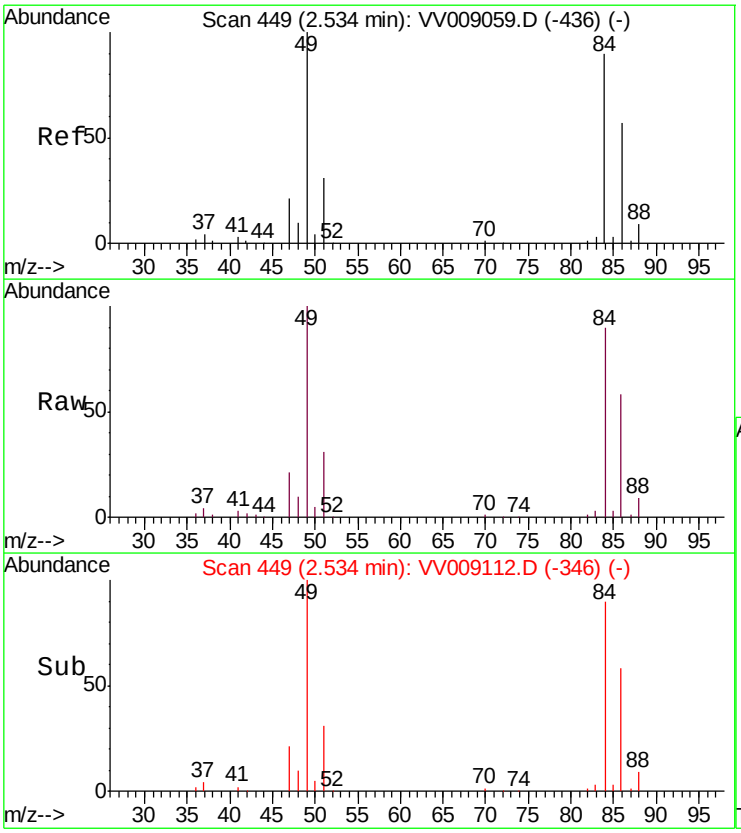

#15
Methyl Acetate
Concen: 24.346 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 43 Resp: 36814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.9 | 19.7 | 29.5 |

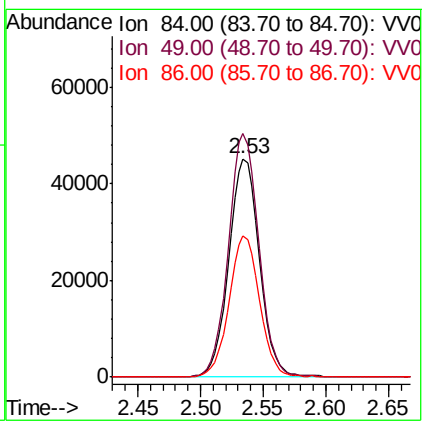


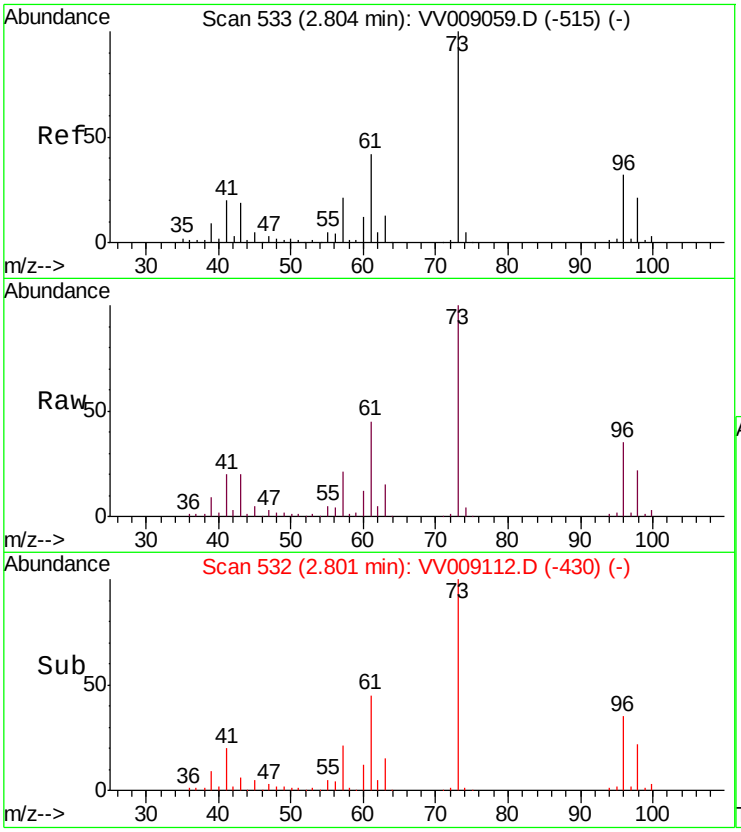




#16
Methylene chloride
Concen: 21.203 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 84 Resp: 76705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 111.5 | 80.5 | 149.5 |
| 86 | 64.4 | 45.5 | 84.5 |



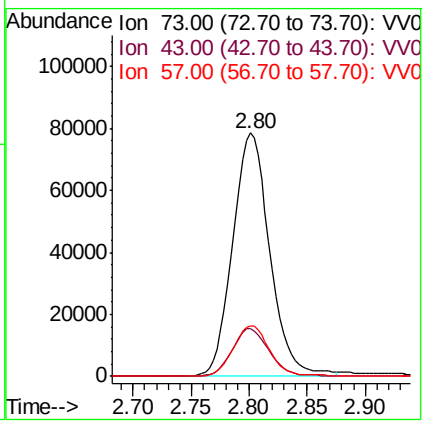


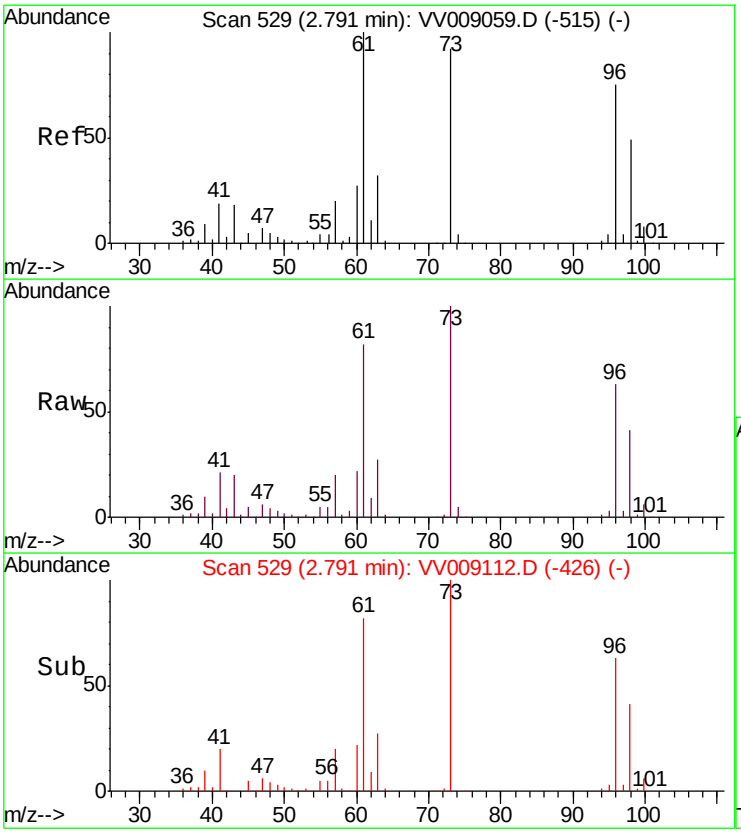

#17
Methyl tert-butyl Ether
Concen: 27.823 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion: 73 Resp: 175046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 19.7 | 14.9 | 22.3 |
| 57 | 20.2 | 16.0 | 24.0 |

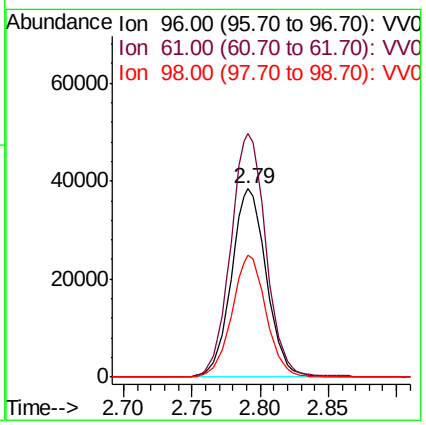


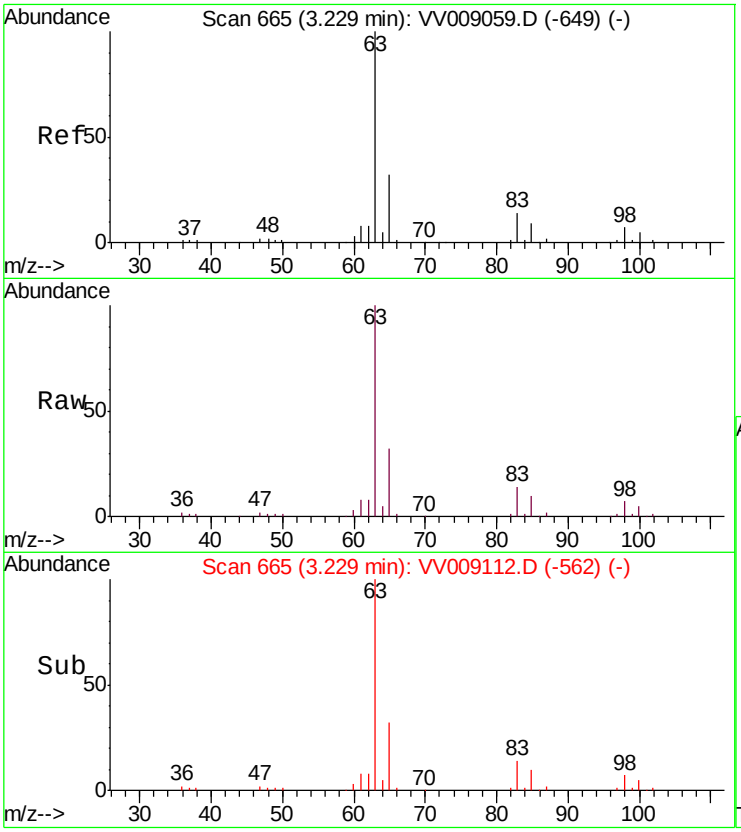




#18
trans-1,2-Dichloroethene
Concen: 22.872 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 96 Resp: 68442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.2 | 94.6 | 175.8 |
| 98 | 64.7 | 45.3 | 84.1 |



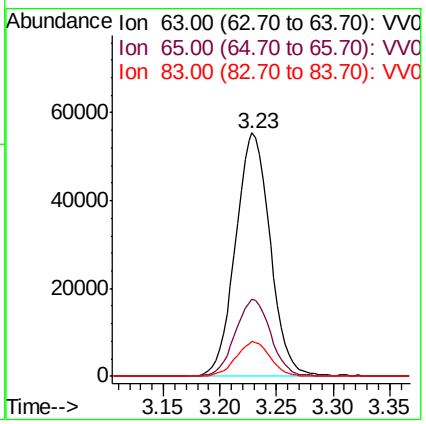


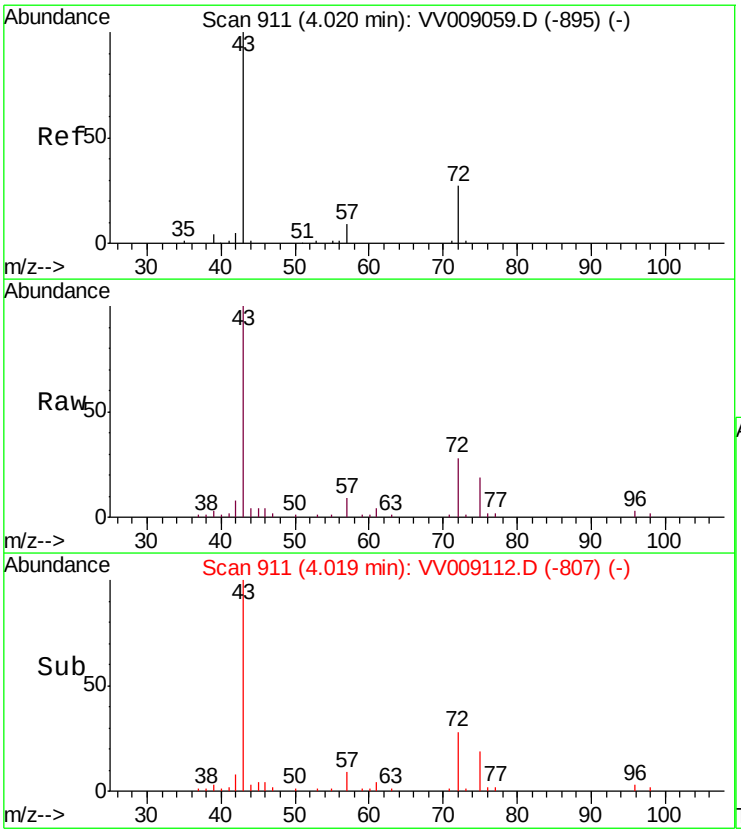

#19
1,1-Dichloroethane
Concen: 24.391 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion: 63 Resp: 118319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 22.7 | 42.1 |
| 83 | 14.2 | 10.2 | 19.0 |

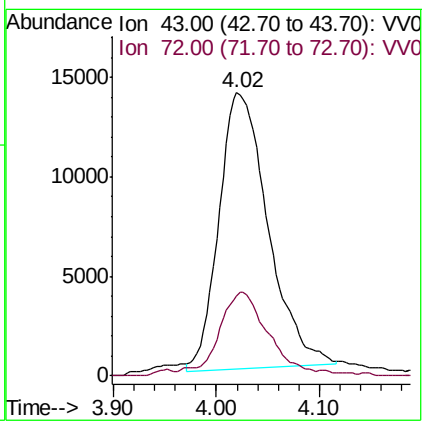


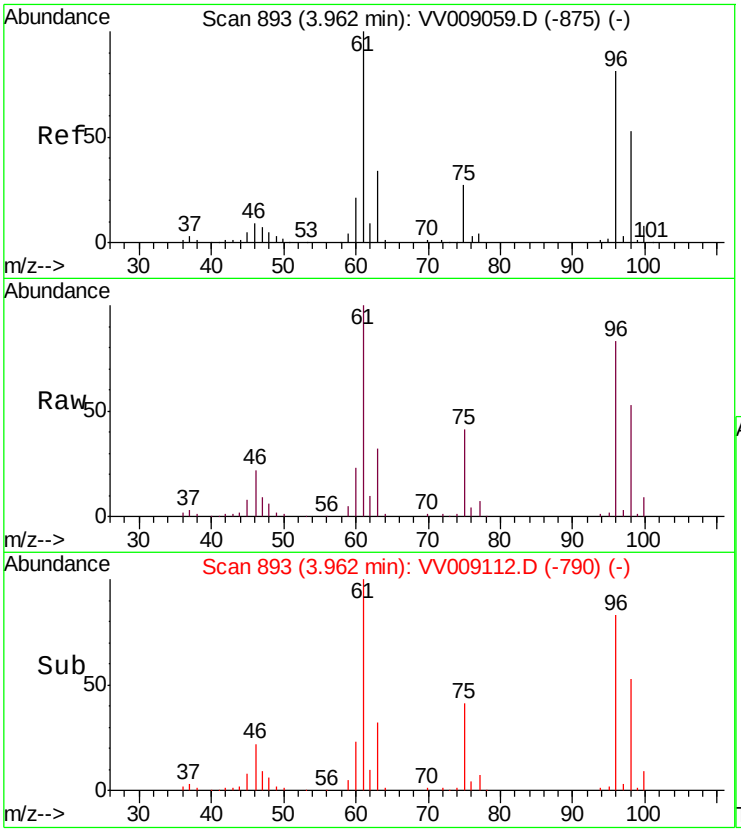




#21
2-Butanone
Concen: 41.079 ug/L
RT: 4.02 min Scan# 911
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 43 Resp: 45913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.7 | 13.7 | 41.1 |



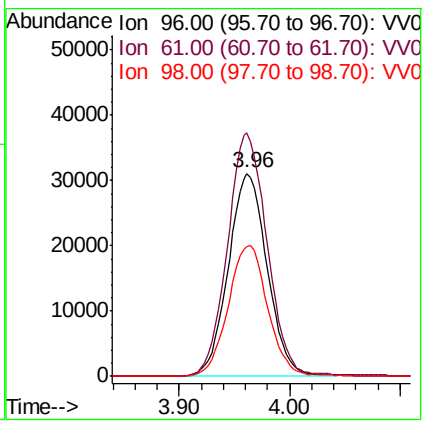


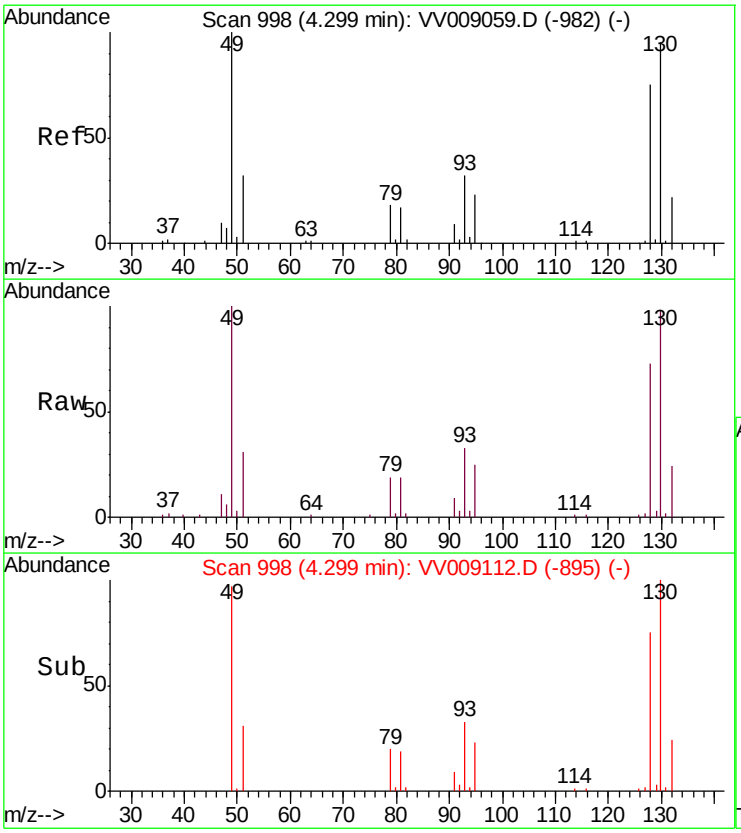

#22
cis-1,2-Dichloroethene
Concen: 24.308 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 96 Resp: 75843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 120.1 | 86.2 | 160.0 |
| 98 | 64.3 | 45.6 | 84.6 |

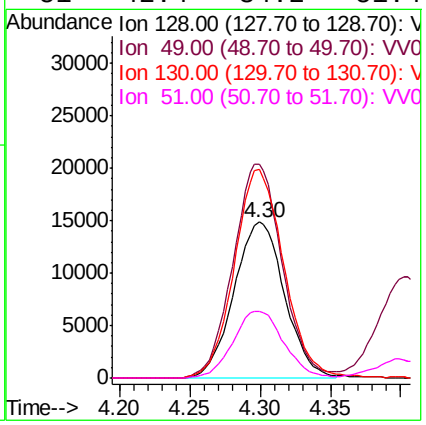


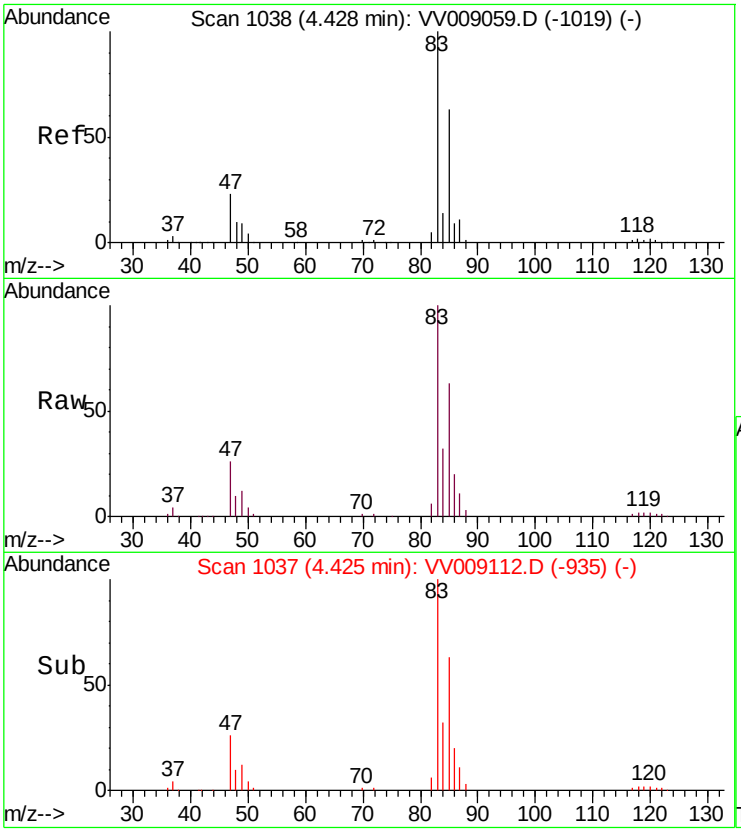




#23
Bromochloromethane
Concen: 25.273 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:128 Resp: 37166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 137.0 | 93.8 | 174.2 |
| 130 | 133.9 | 90.4 | 168.0 |
| 51 | 42.4 | 34.2 | 51.4 |



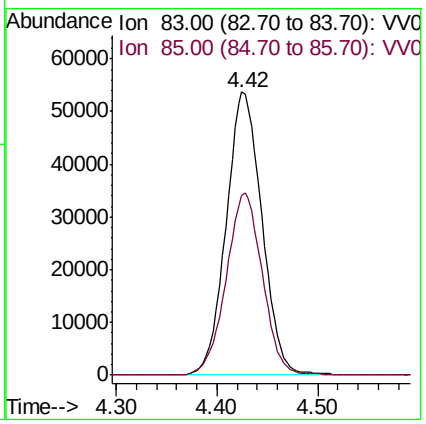


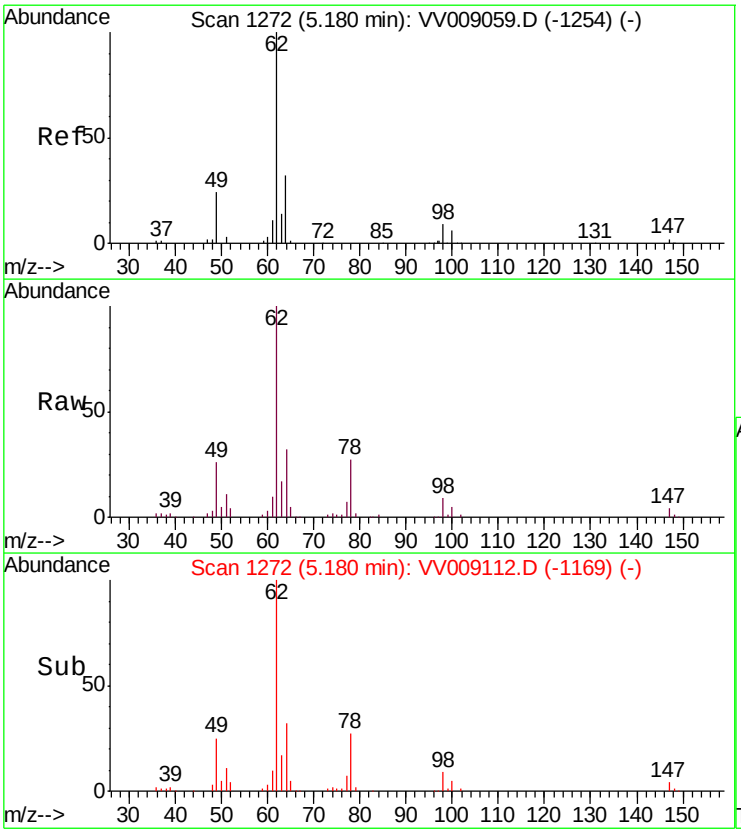

#25
Chloroform
Concen: 25.415 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 83 Resp: 132313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 45.6 | 84.8 |

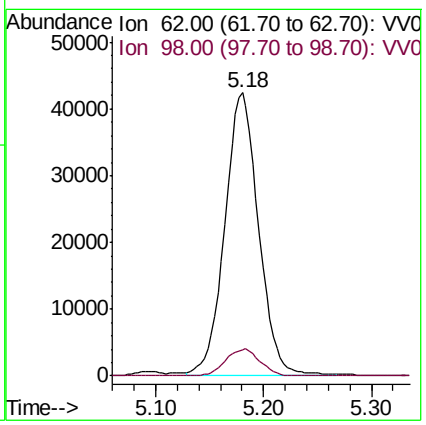


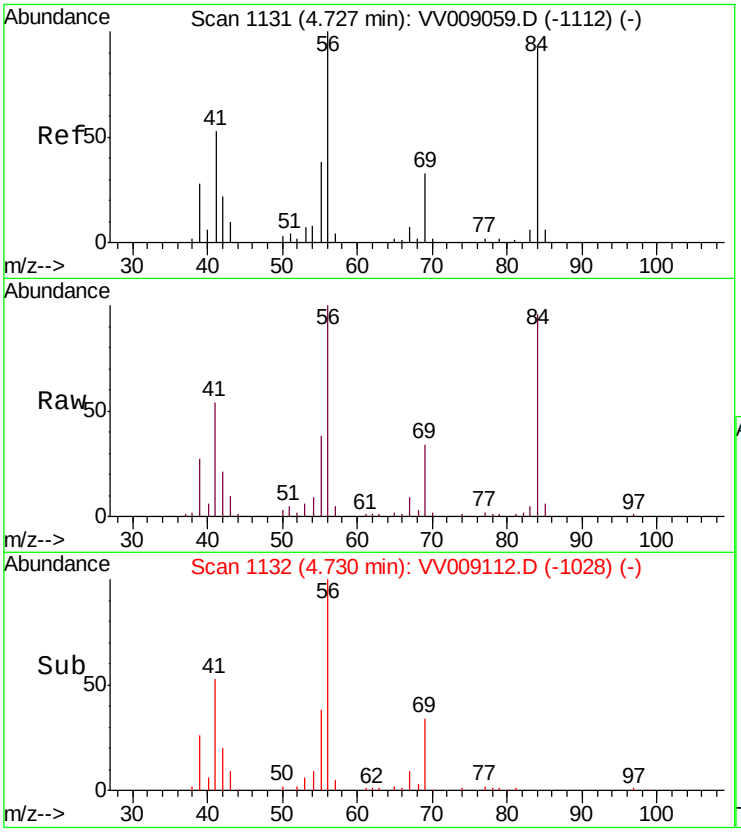




#27
1,2-Dichloroethane
Concen: 26.052 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 62 Resp: 92390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 7.4 | 11.0 |



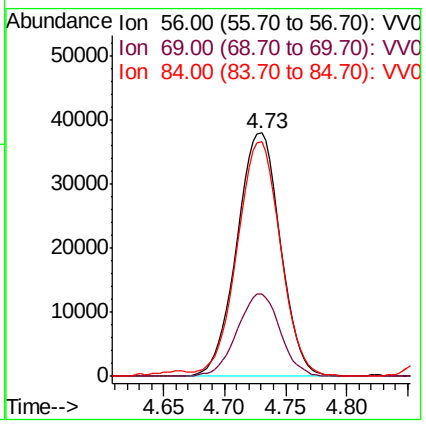


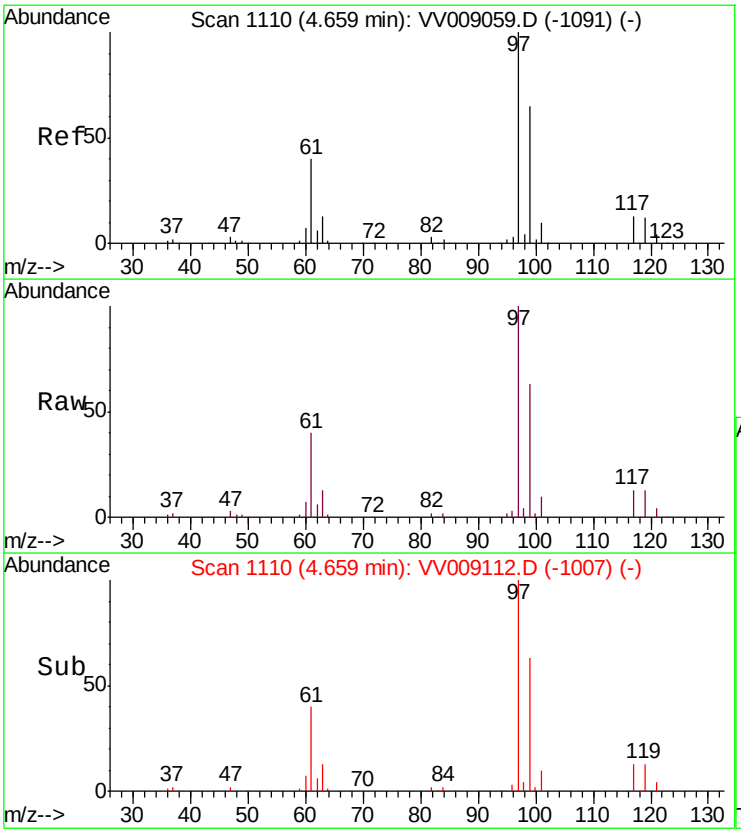

#30
Cyclohexane
Concen: 18.666 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 56 Resp: 93849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.3 | 25.8 | 38.8 |
| 84 | 94.9 | 73.0 | 109.6 |

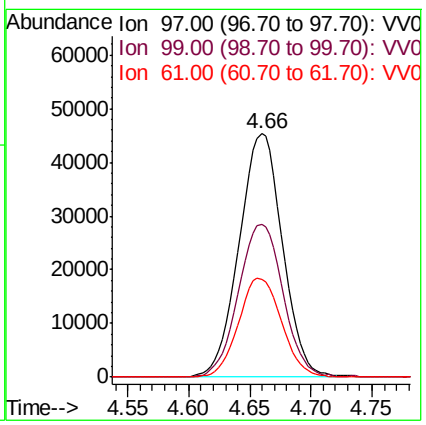


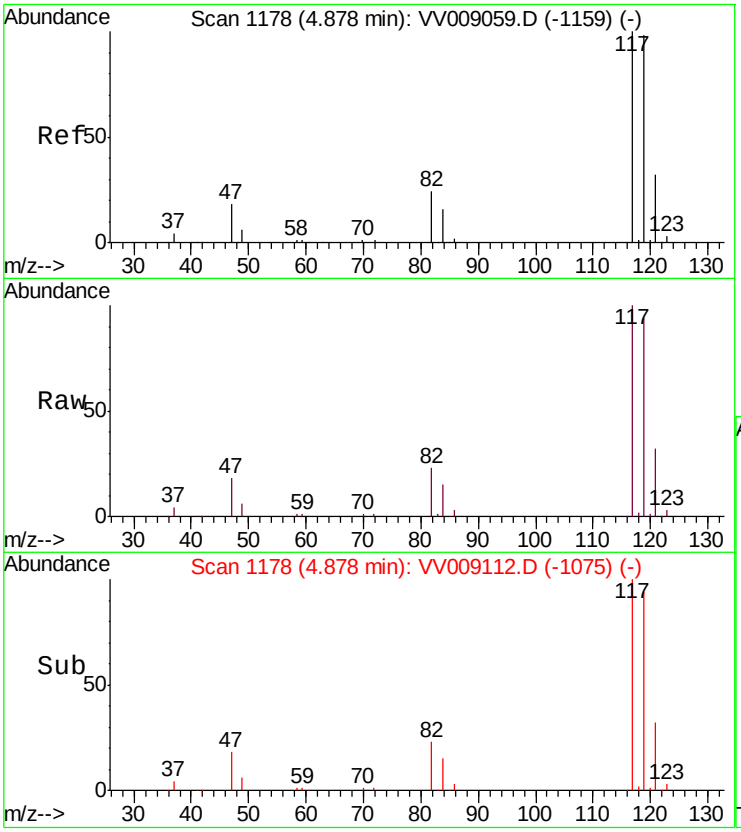




#31
1,1,1-Trichloroethane
Concen: 21.680 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 97 Resp: 111608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.9 | 77.9 |
| 61 | 40.5 | 33.1 | 49.7 |



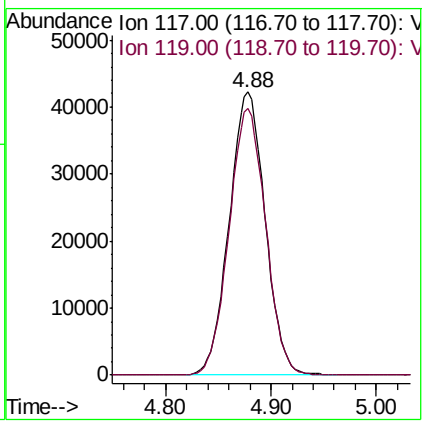


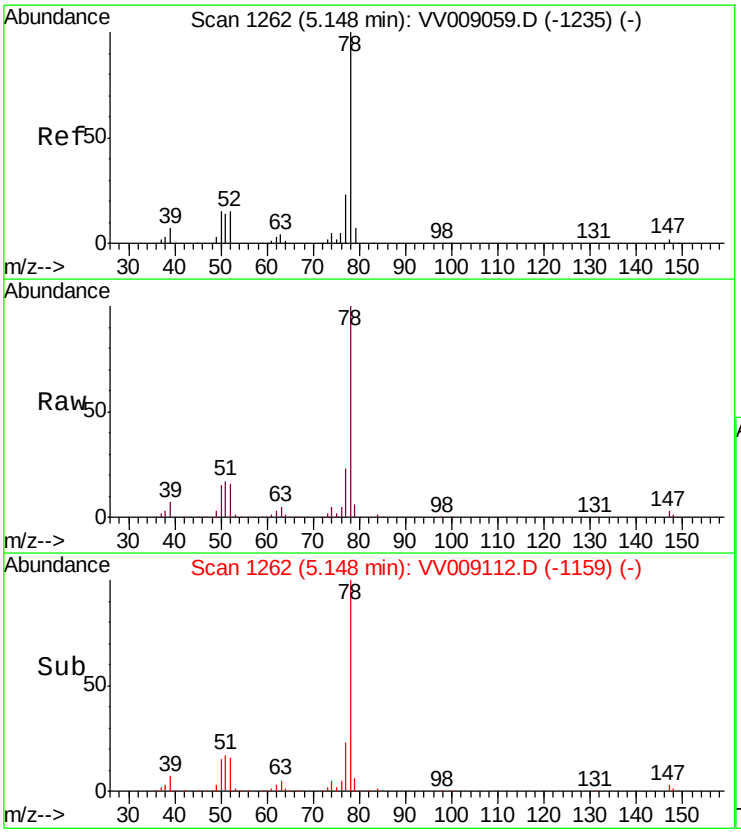

#32
Carbon tetrachloride
Concen: 21.265 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion:117 Resp: 99945

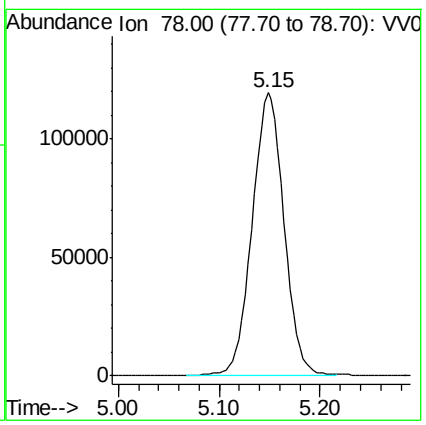
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 77.1 | 115.7 |

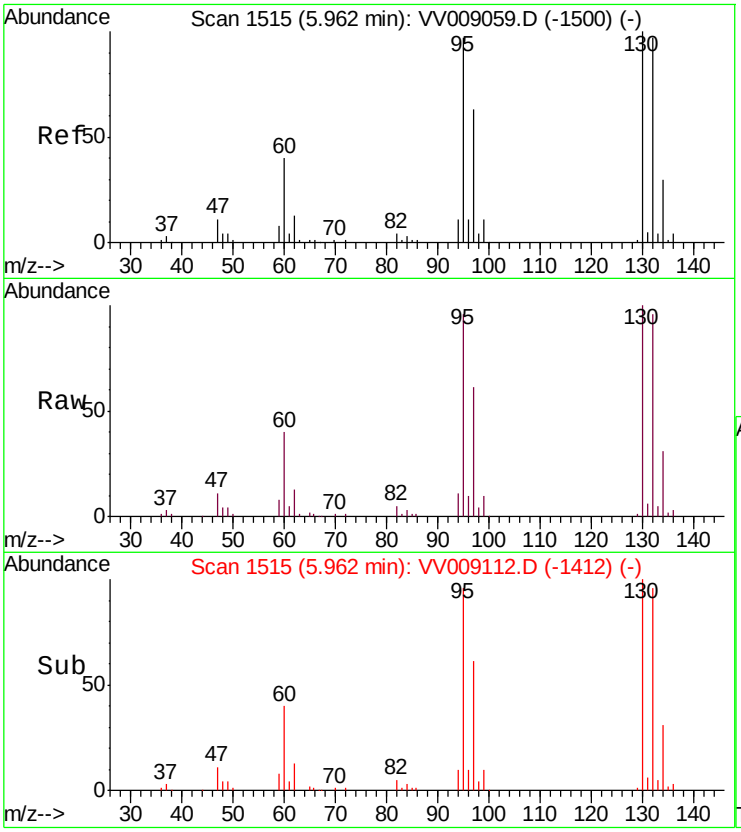



#34
Benzene
Concen: 21.869 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 78 Resp: 261615



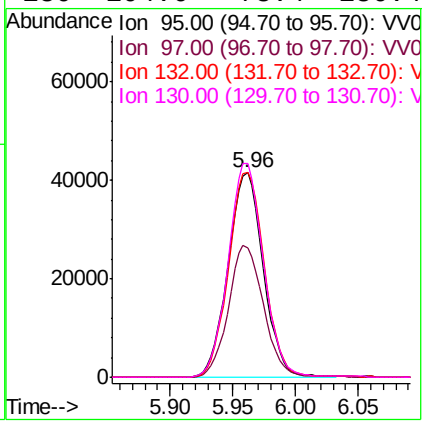


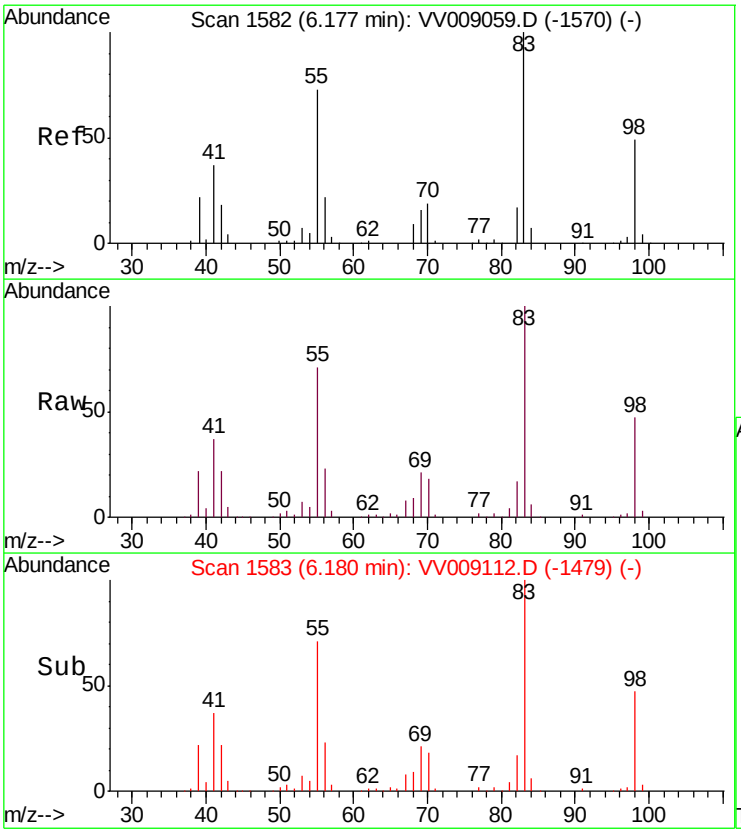

#35
Trichloroethene
Concen: 22.406 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 95 Resp: 80811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.1 | 45.3 | 84.1 |
| 132 | 102.1 | 70.0 | 130.0 |
| 130 | 104.6 | 73.4 | 136.4 |

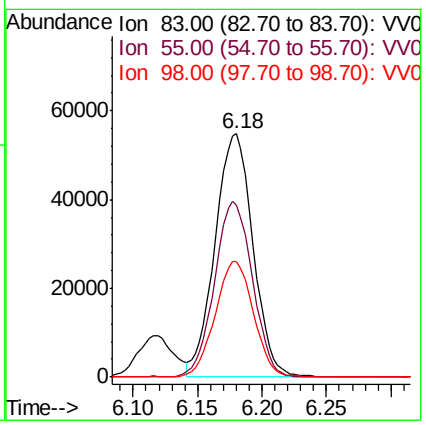


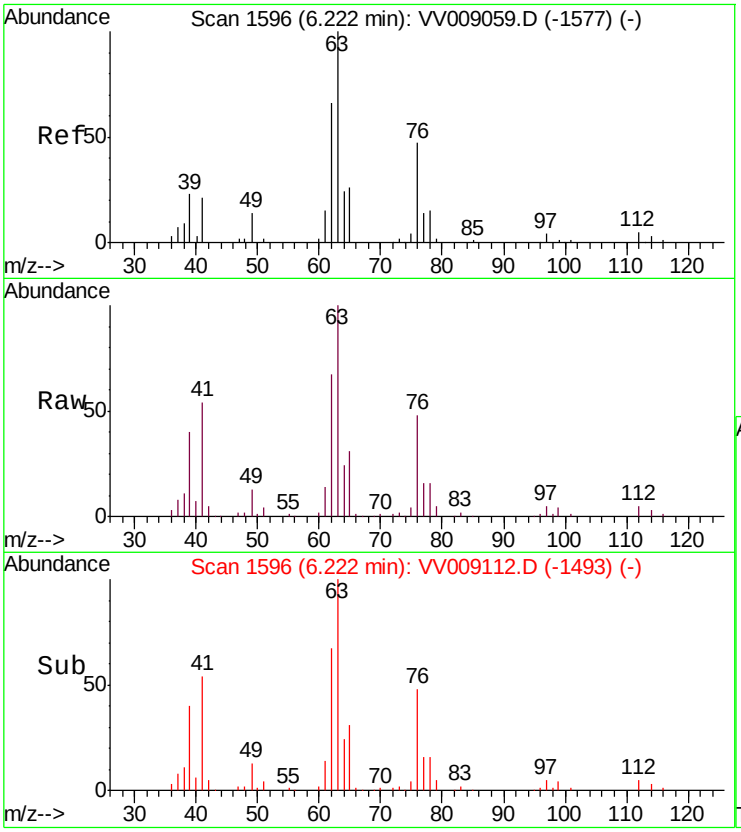




#36
Methylcyclohexane
Concen: 19.457 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 83 Resp: 111918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.1 | 58.2 | 87.2 |
| 98 | 47.5 | 37.8 | 56.8 |



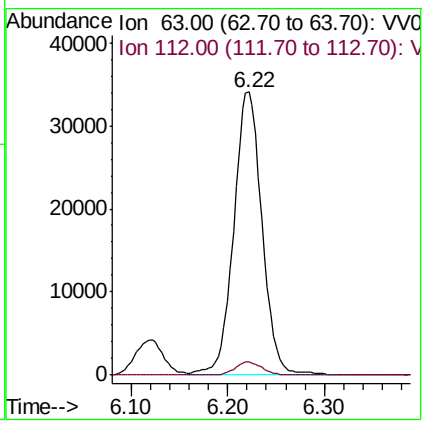


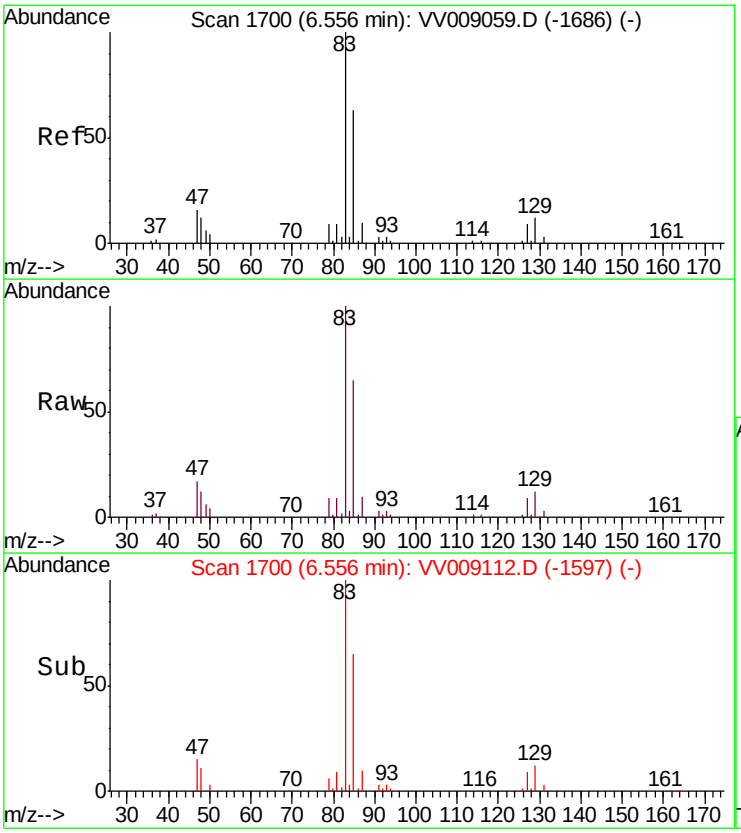

#40
1,2-Dichloropropane
Concen: 24.155 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 63 Resp: 69352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.3 | 3.8 | 5.8 |

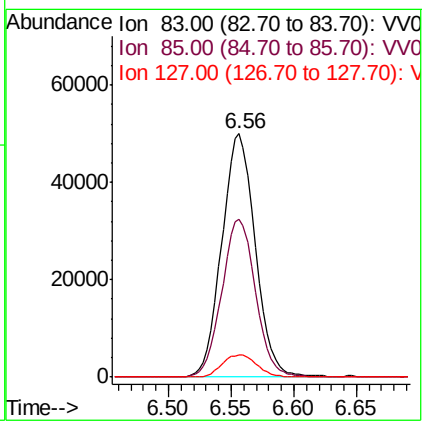


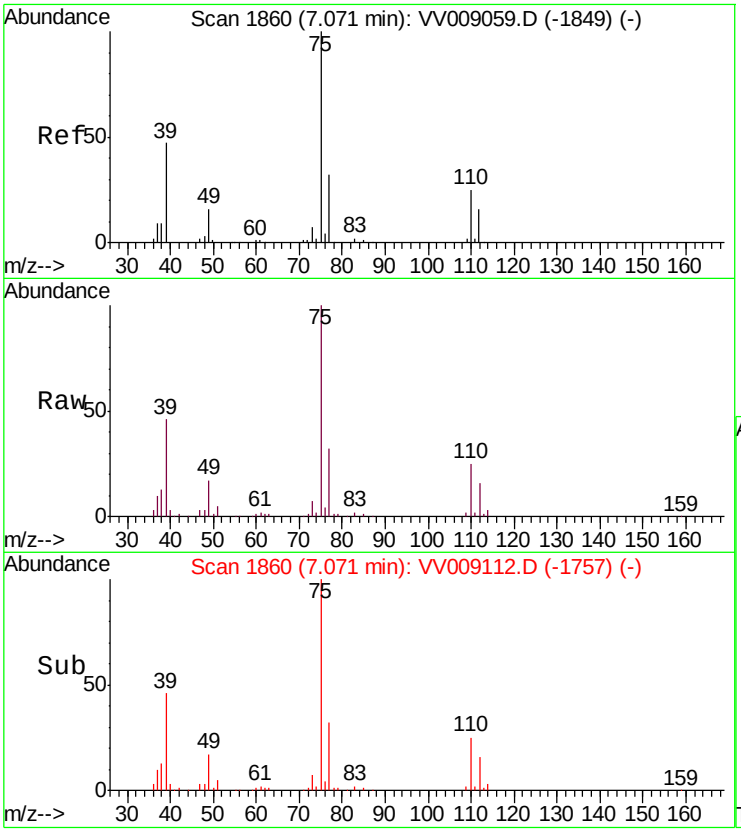




#41
Bromodichloromethane
Concen: 24.488 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 83 Resp: 92666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 45.3 | 84.1 |
| 127 | 9.0 | 7.2 | 10.8 |



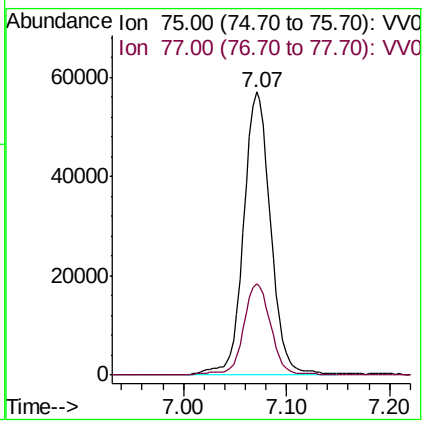


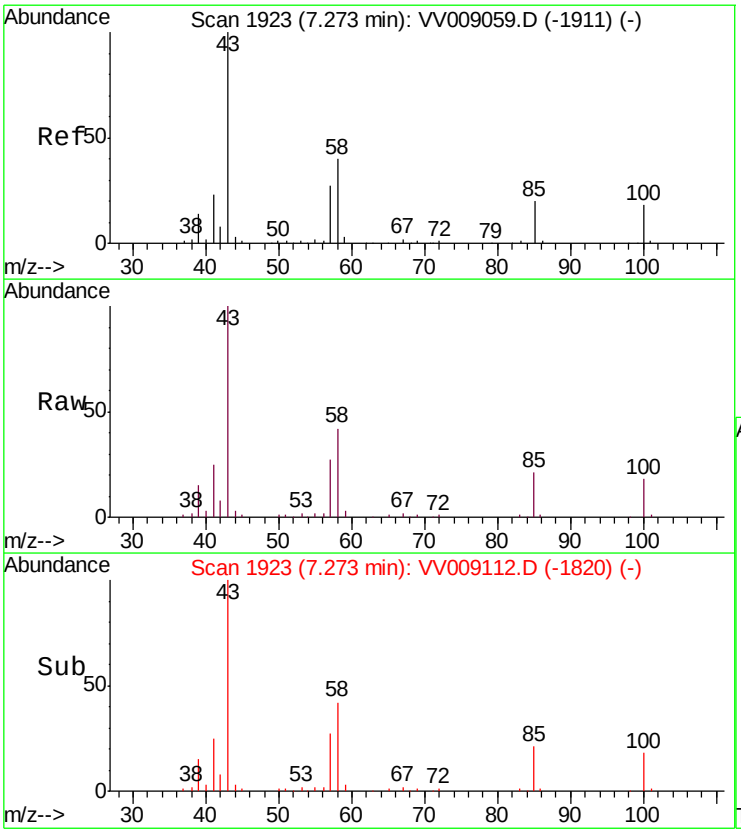

#42
cis-1,3-Dichloropropene
Concen: 24.797 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 75 Resp: 104233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 21.3 | 39.6 |

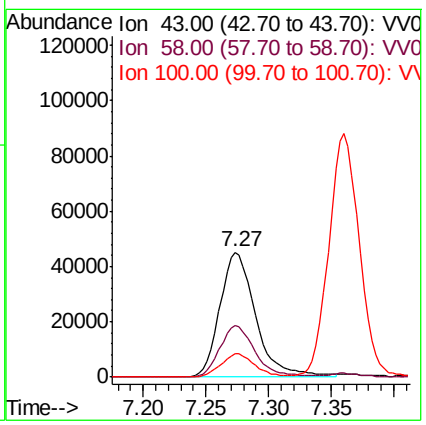


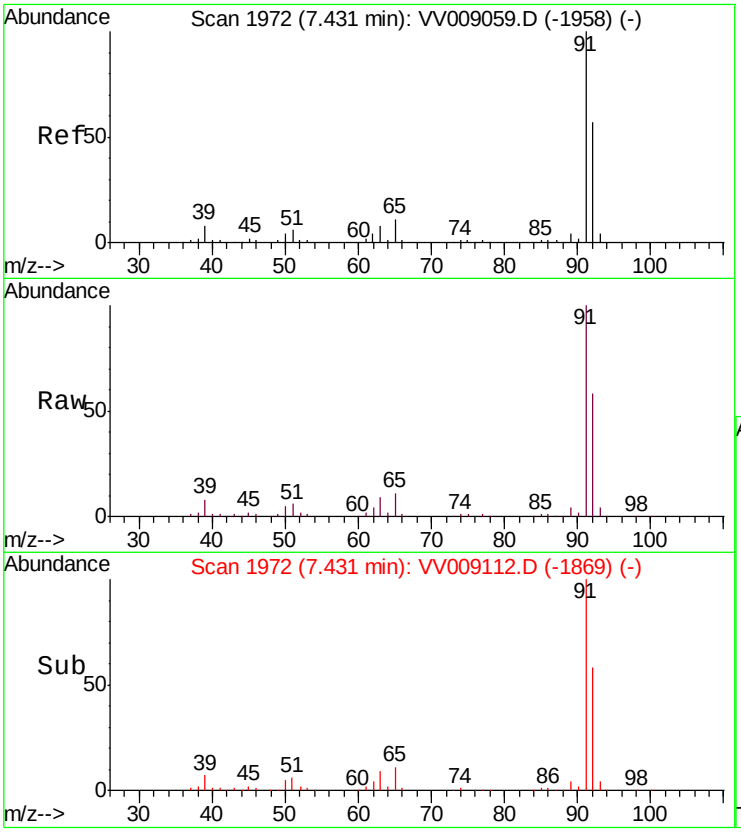




#43
4-Methyl-2-pentanone
Concen: 46.229 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 43 Resp: 89710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.9 | 32.2 | 48.4 |
| 100 | 17.9 | 13.8 | 20.8 |



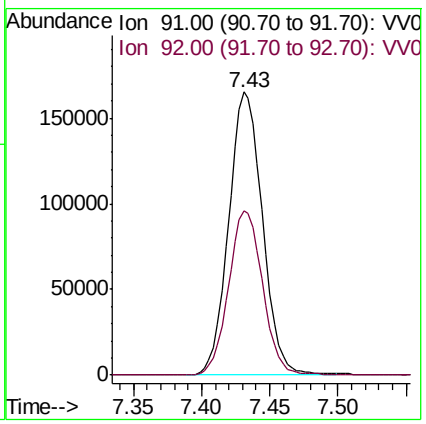


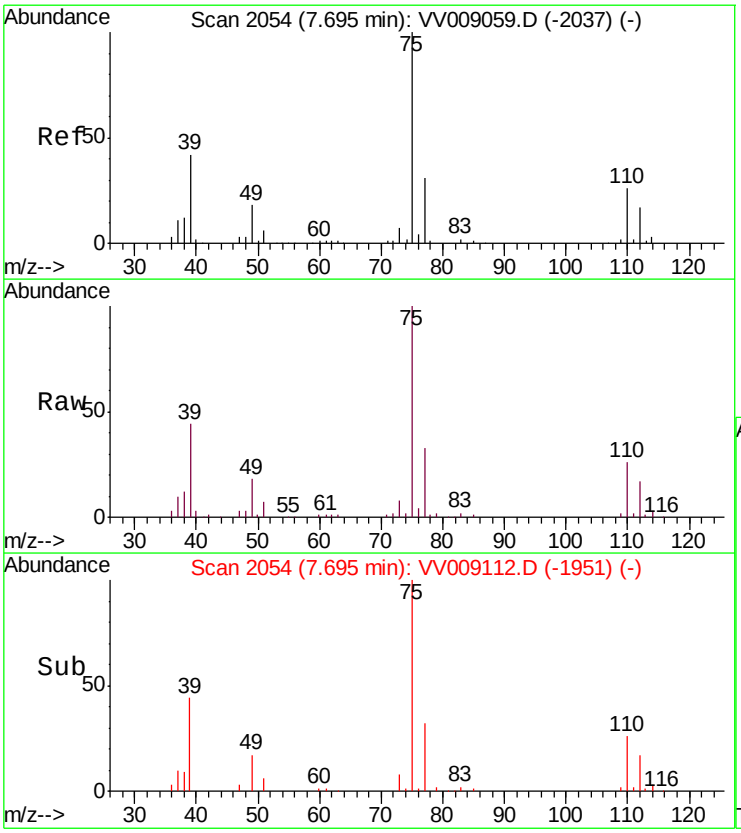

#44
Toluene
Concen: 22.642 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 91 Resp: 284067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.2 | 41.7 | 77.5 |

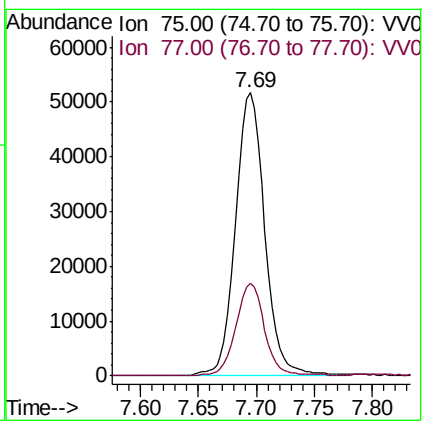


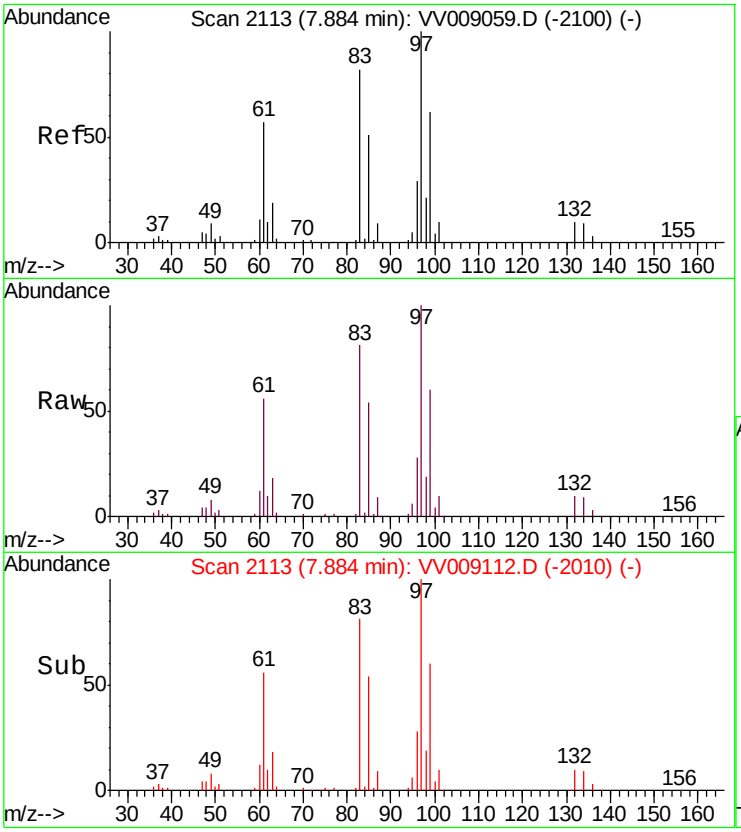




#45
trans-1,3-Dichloropropene
Concen: 24.768 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 75 Resp: 90759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 23.6 | 43.8 |



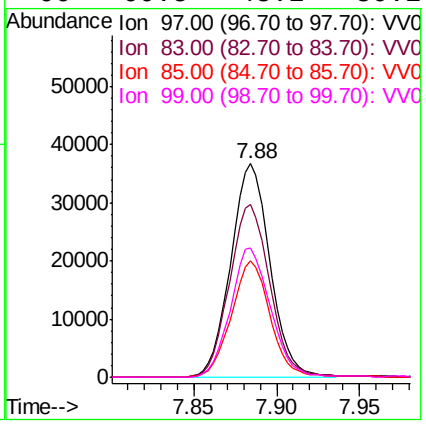


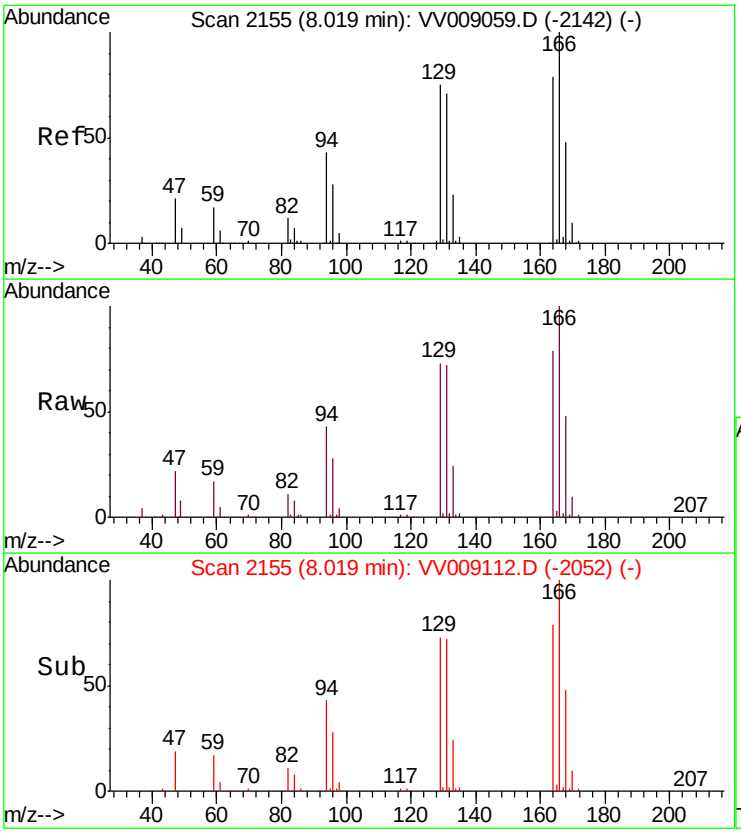

#46
1,1,2-Trichloroethane
Concen: 25.380 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion: 97 Resp: 60715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.7 | 56.6 | 105.2 |
| 85 | 54.4 | 36.6 | 68.0 |
| 99 | 60.5 | 43.2 | 80.2 |

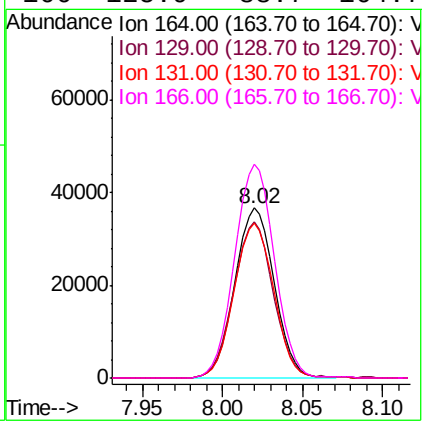


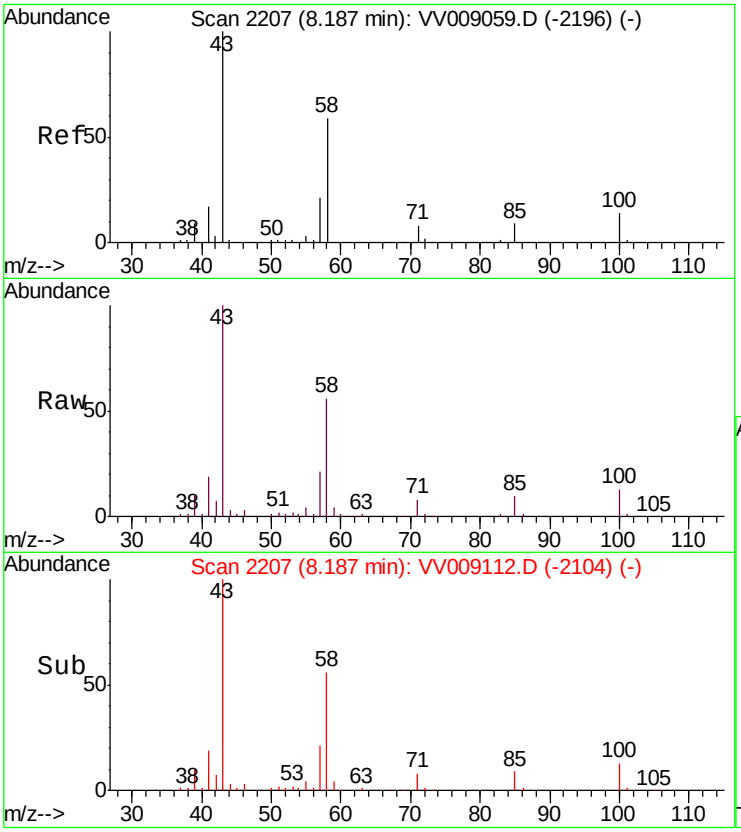




#47
Tetrachloroethene
Concen: 21.053 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:164 Resp: 61748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 91.9 | 64.6 | 120.0 |
| 131 | 91.0 | 64.5 | 119.7 |
| 166 | 125.9 | 88.7 | 164.7 |



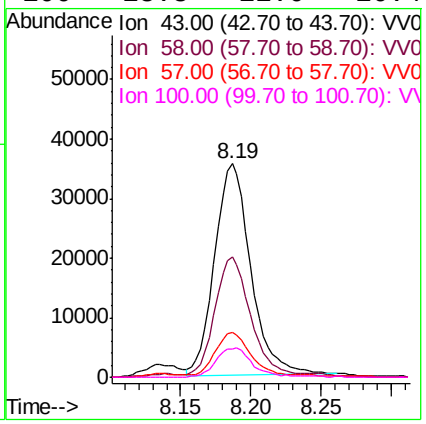


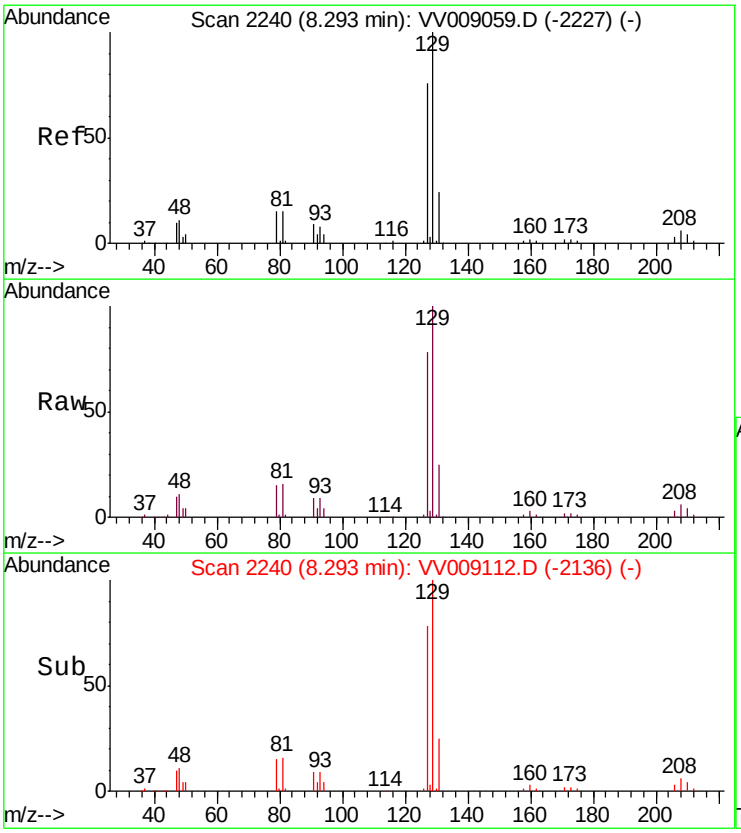

#49
2-Hexanone
Concen: 39.668 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion: 43 Resp: 63686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.2 | 43.9 | 65.9 |
| 57 | 19.6 | 15.7 | 23.5 |
| 100 | 13.3 | 11.0 | 16.4 |

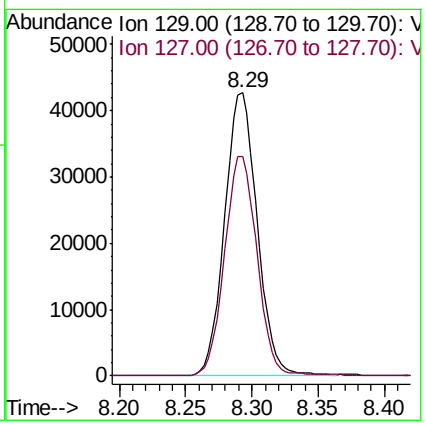


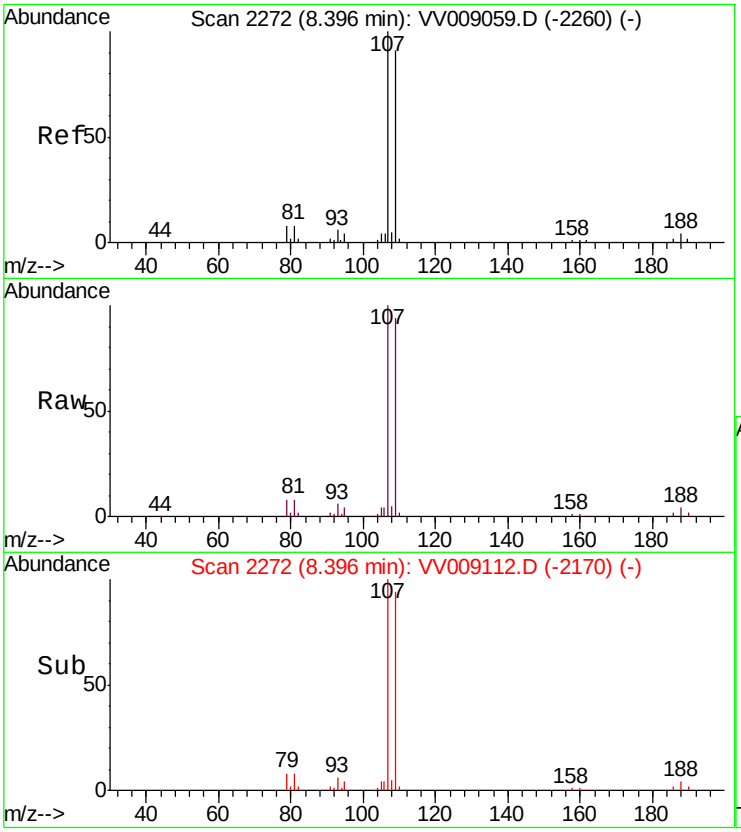




#50
Dibromochloromethane
Concen: 26.658 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:129 Resp: 73101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 53.5 | 99.3 |



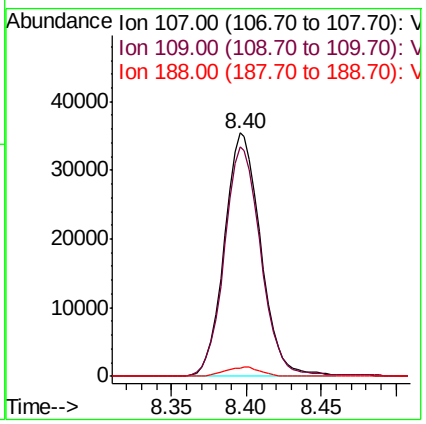


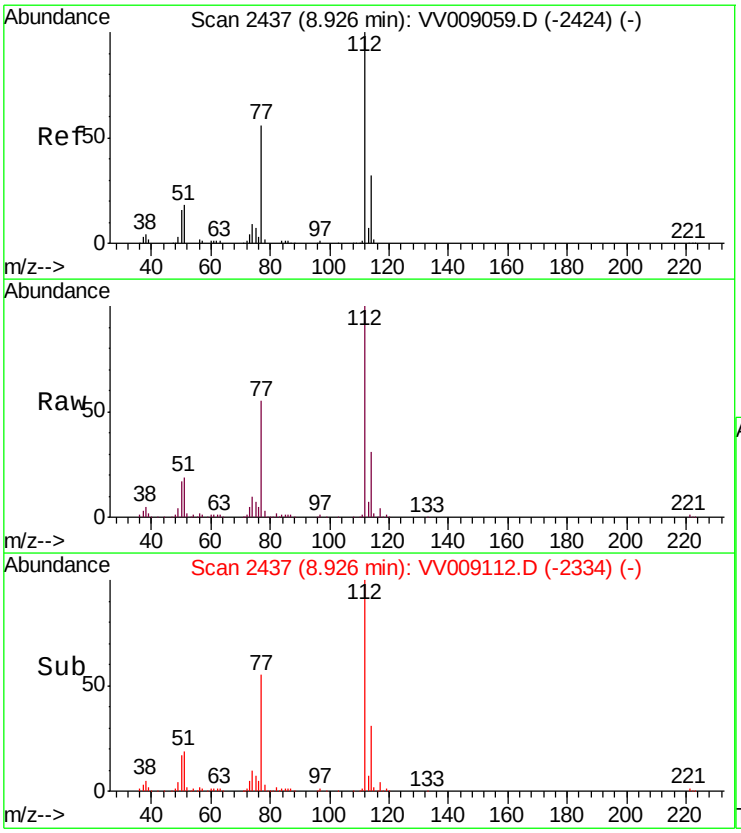

#51
1,2-Dibromoethane
Concen: 24.954 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion:107 Resp: 59947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 65.8 | 122.2 |
| 188 | 3.6 | 3.0 | 4.6 |

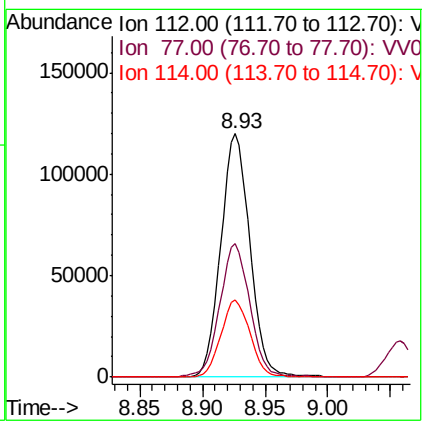


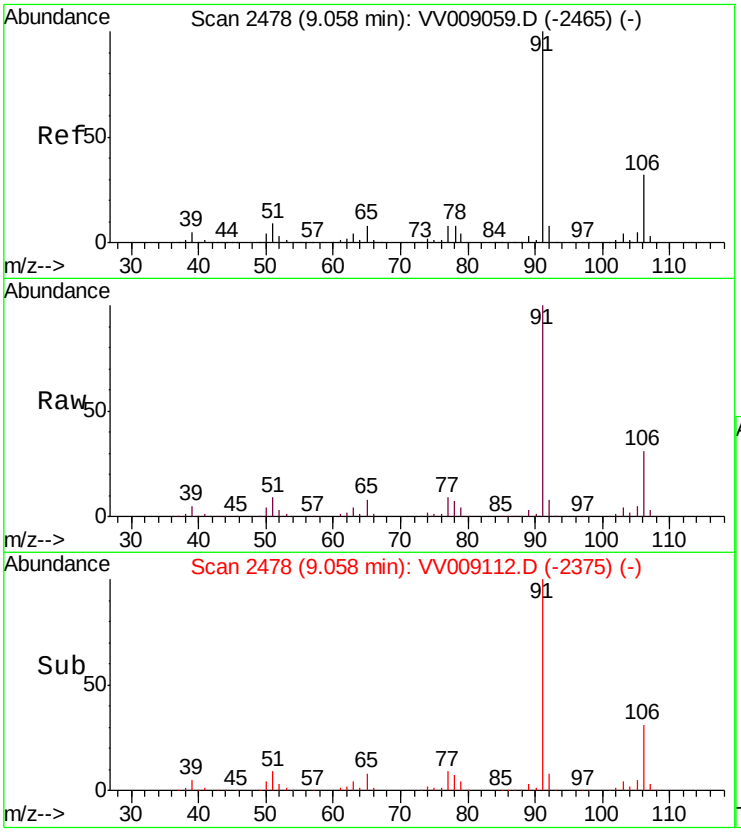




#52
Chlorobenzene
Concen: 23.722 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:112 Resp: 193788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 54.6 | 44.6 | 66.8 |
| 114 | 31.5 | 22.6 | 42.0 |



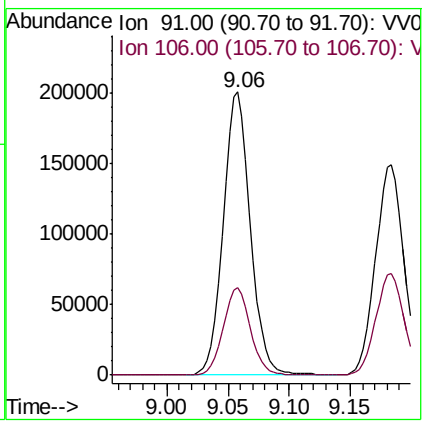


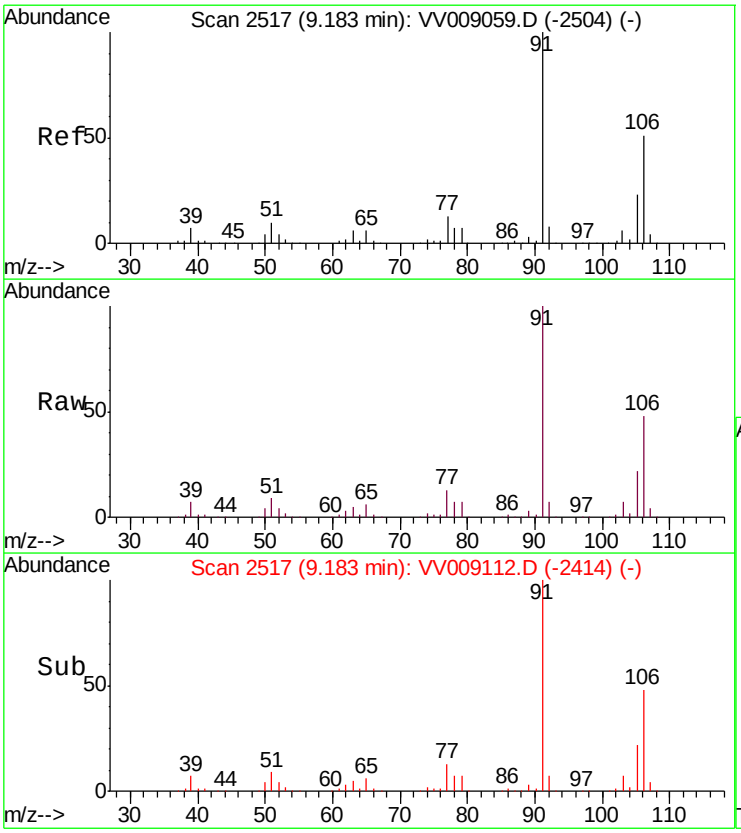

#53
Ethylbenzene
Concen: 22.988 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion: 91 Resp: 312877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 21.3 | 39.5 |

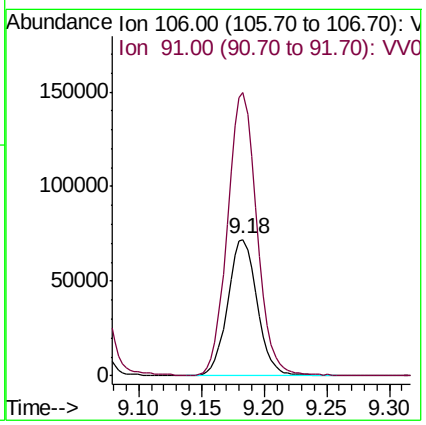


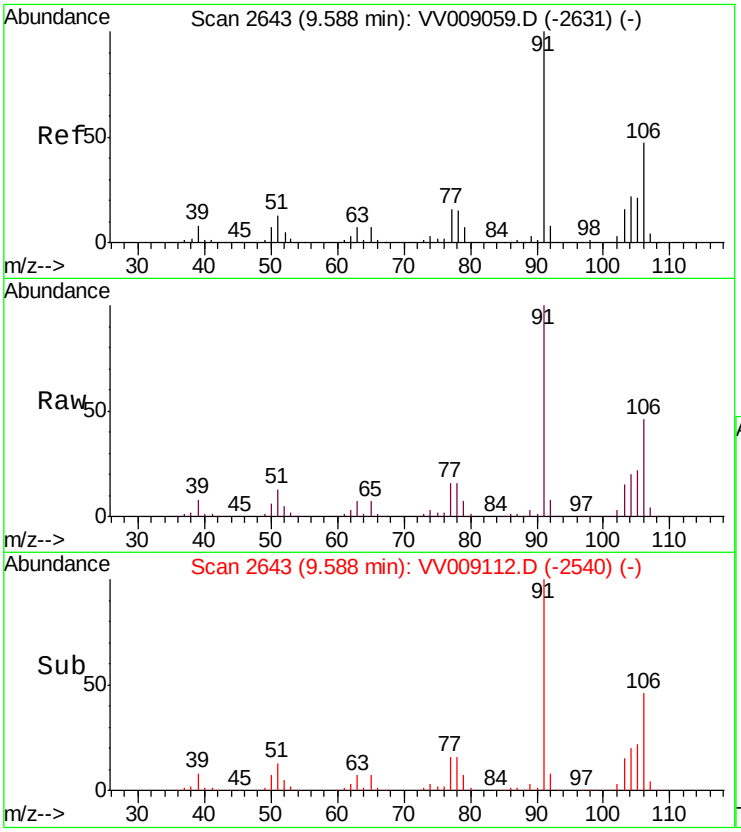




#54
m,p-Xylene
Concen: 22.840 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:106 Resp: 117705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.2 | 141.3 | 262.3 |



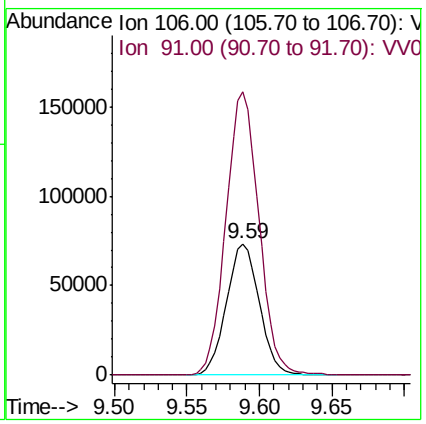


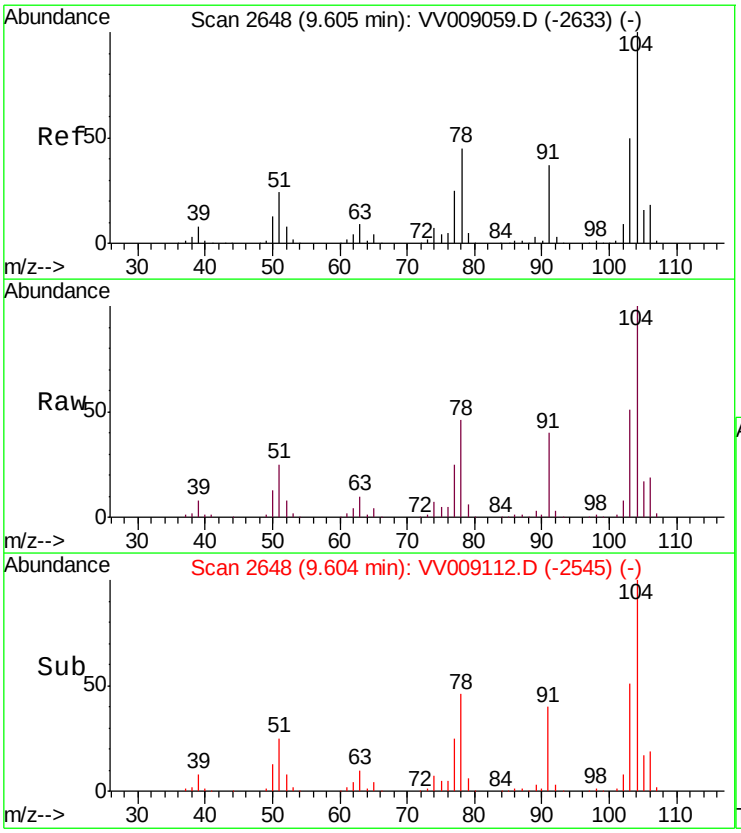

#55
o-xylene
Concen: 24.093 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion:106 Resp: 115361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.2 | 148.3 | 275.5 |

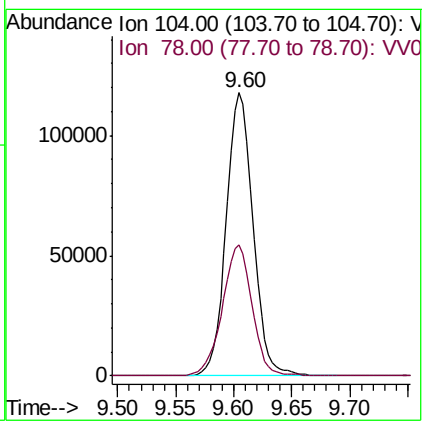


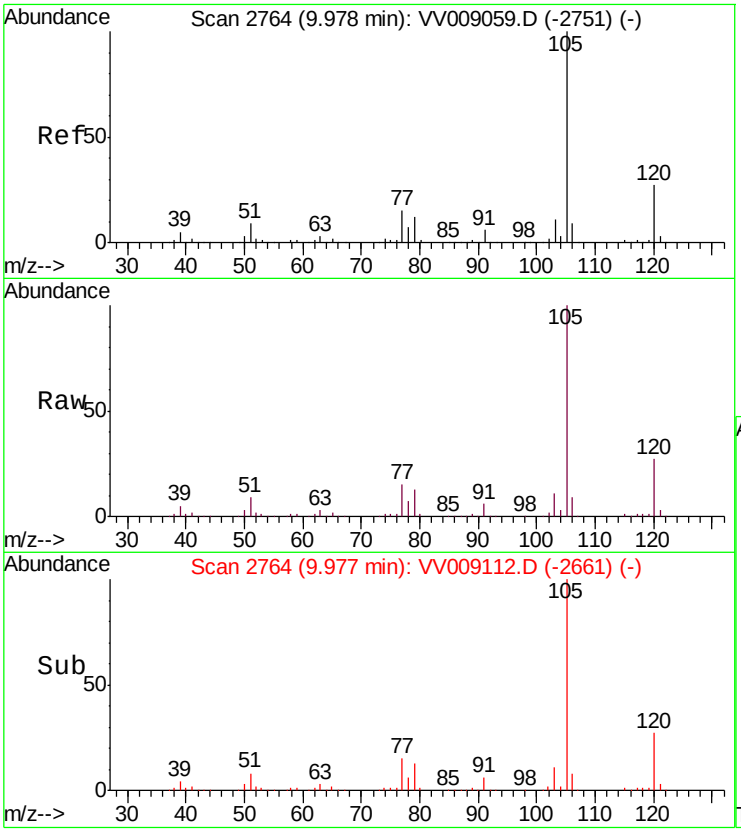




#56
Styrene
Concen: 24.422 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:104 Resp: 188637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 46.4 | 30.6 | 56.8 |



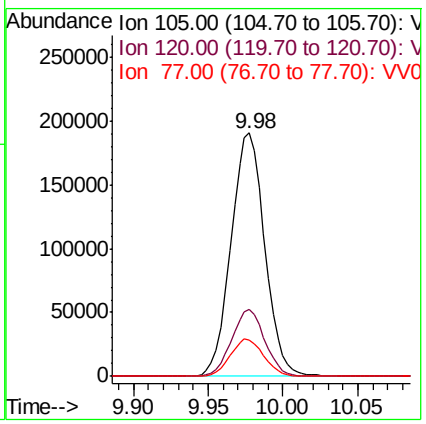


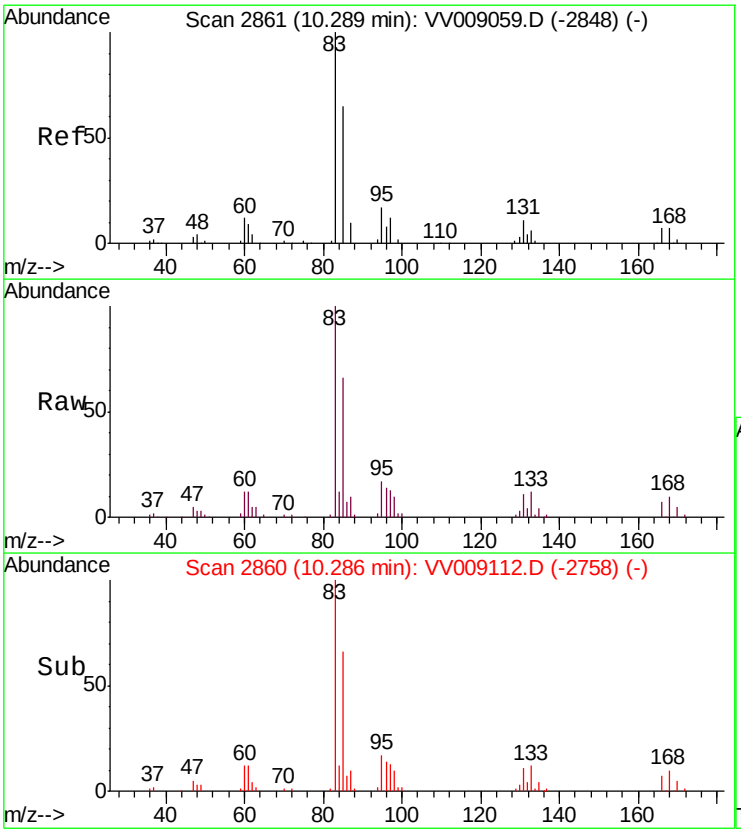

#57
Isopropylbenzene
Concen: 22.981 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion:105 Resp: 299059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.1 | 21.7 | 32.5 |
| 77 | 15.2 | 12.4 | 18.6 |

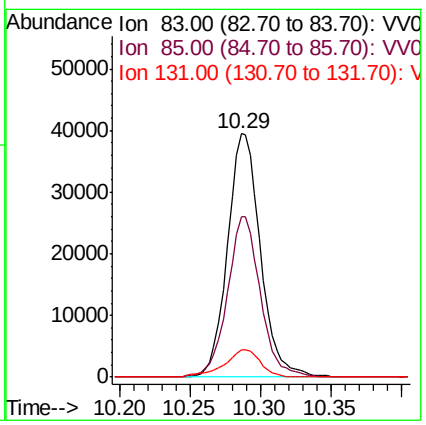


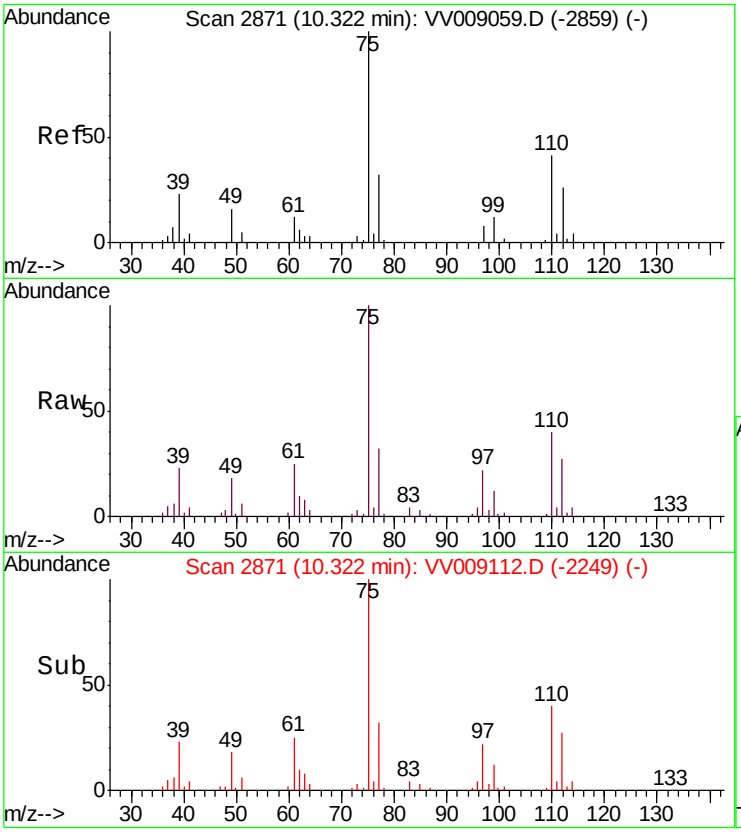




#58
1,1,2,2-Tetrachloroethane
Concen: 24.921 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 83 Resp: 64451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 44.3 | 82.3 |
| 131 | 11.0 | 7.8 | 11.8 |



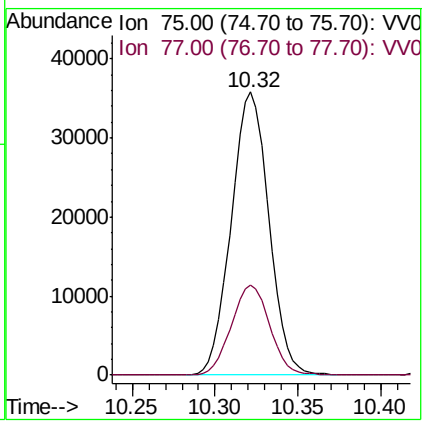


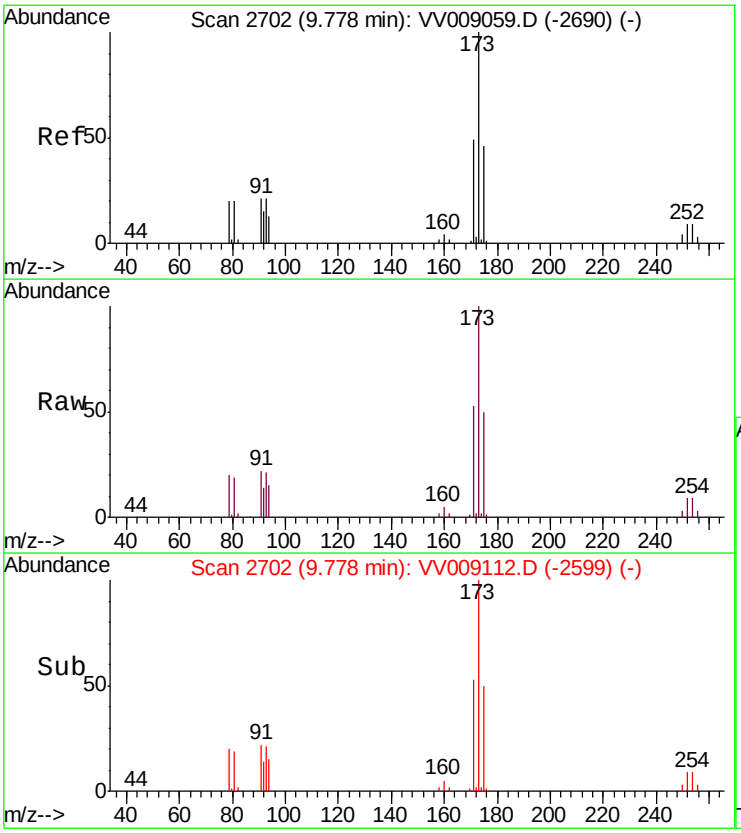

#59
1,2,3-Trichloropropane
Concen: 25.302 ug/L
RT: 10.32 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion: 75 Resp: 56620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 25.6 | 38.4 |

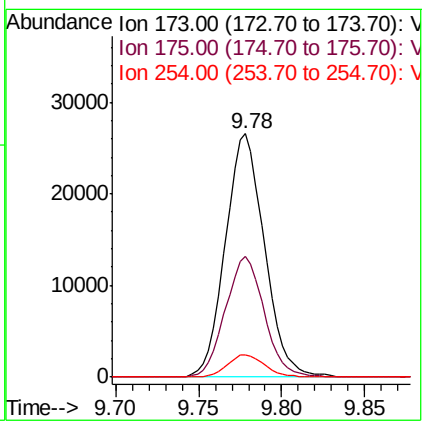


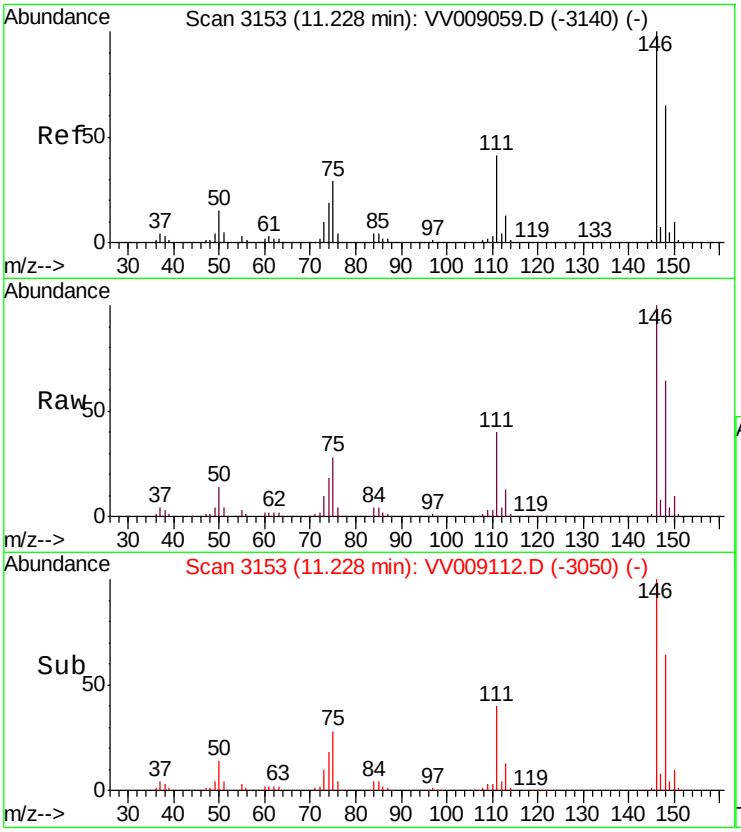




#62
Bromoform
Concen: 26.348 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:173 Resp: 43500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.2 | 37.7 | 56.5 |
| 254 | 8.8 | 7.1 | 10.7 |



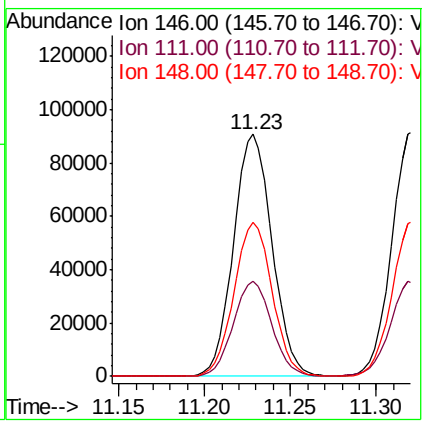


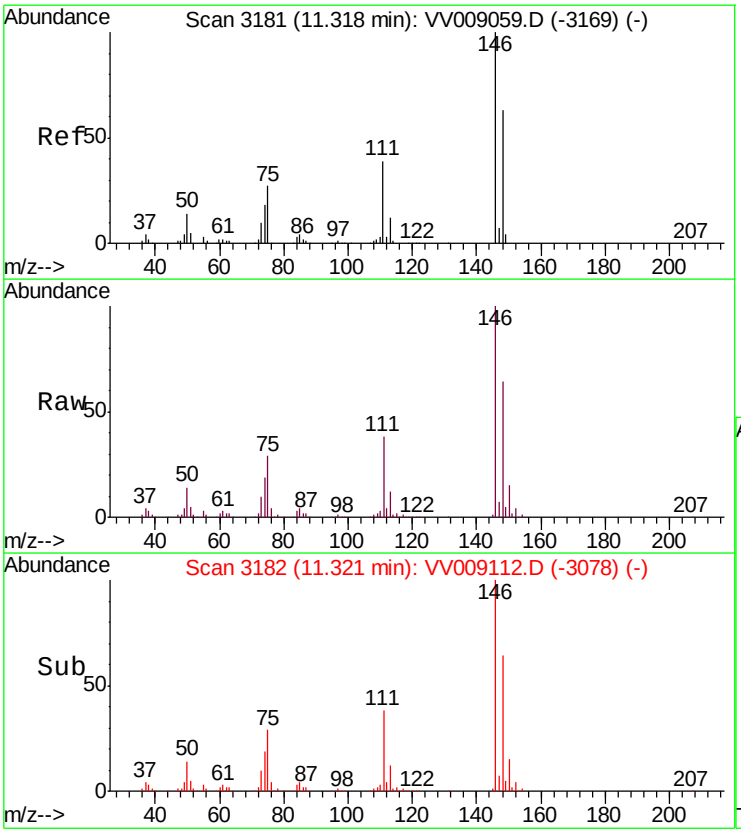

#63
1,3-Dichlorobenzene
Concen: 24.031 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion:146 Resp: 141593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 27.5 | 51.1 |
| 148 | 63.6 | 44.0 | 81.8 |

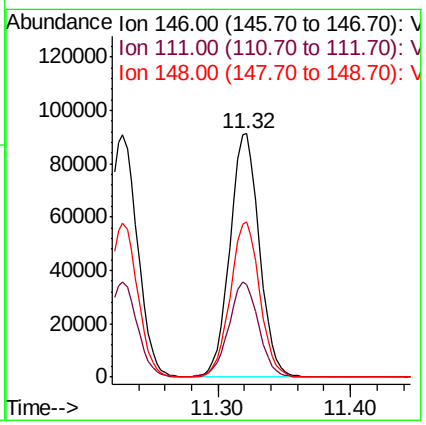


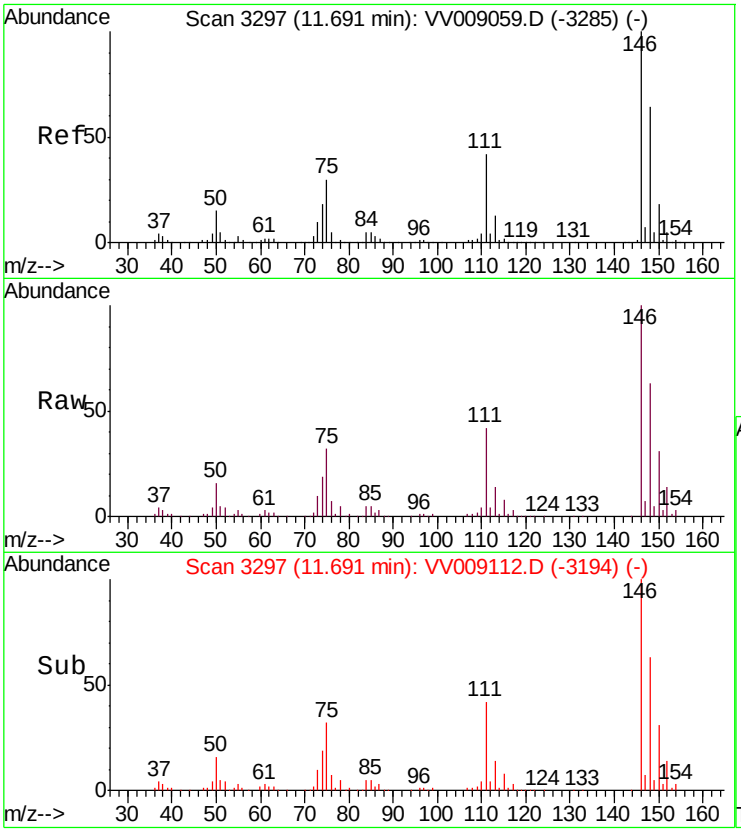




#64
1,4-Dichlorobenzene
Concen: 23.282 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:146 Resp: 141170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.1 | 26.8 | 49.8 |
| 148 | 63.8 | 45.8 | 85.0 |



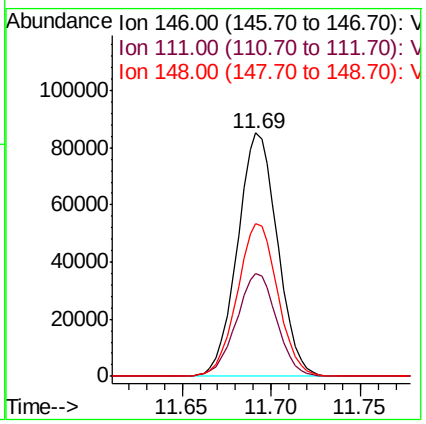


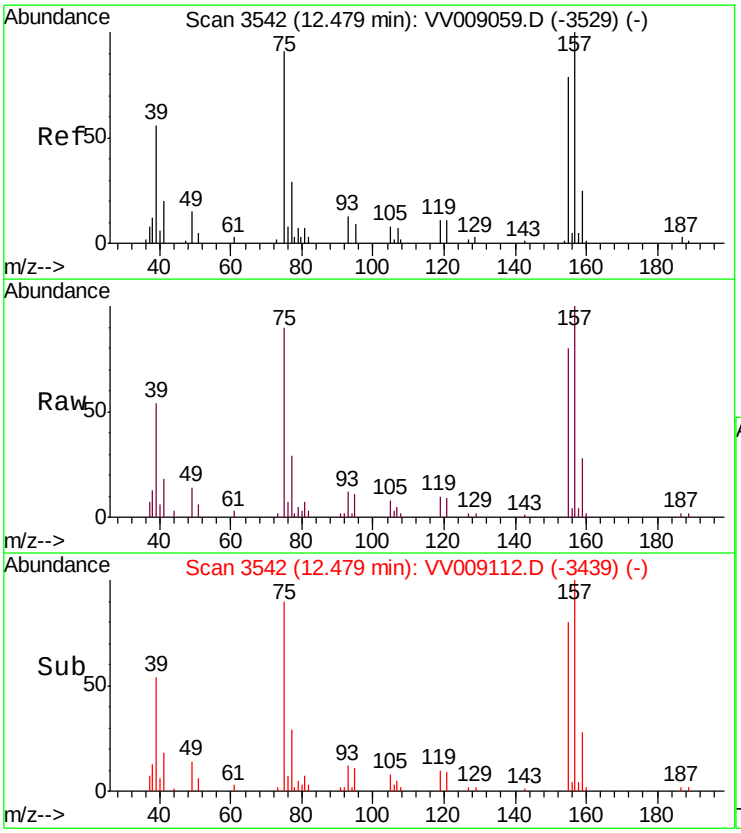

#65
1,2-Dichlorobenzene
Concen: 24.581 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion:146 Resp: 133522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 34.2 | 51.4 |
| 148 | 62.8 | 51.0 | 76.6 |

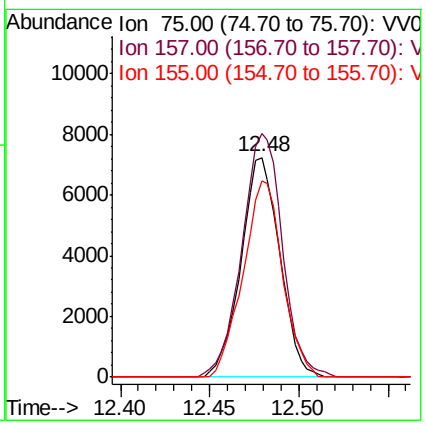


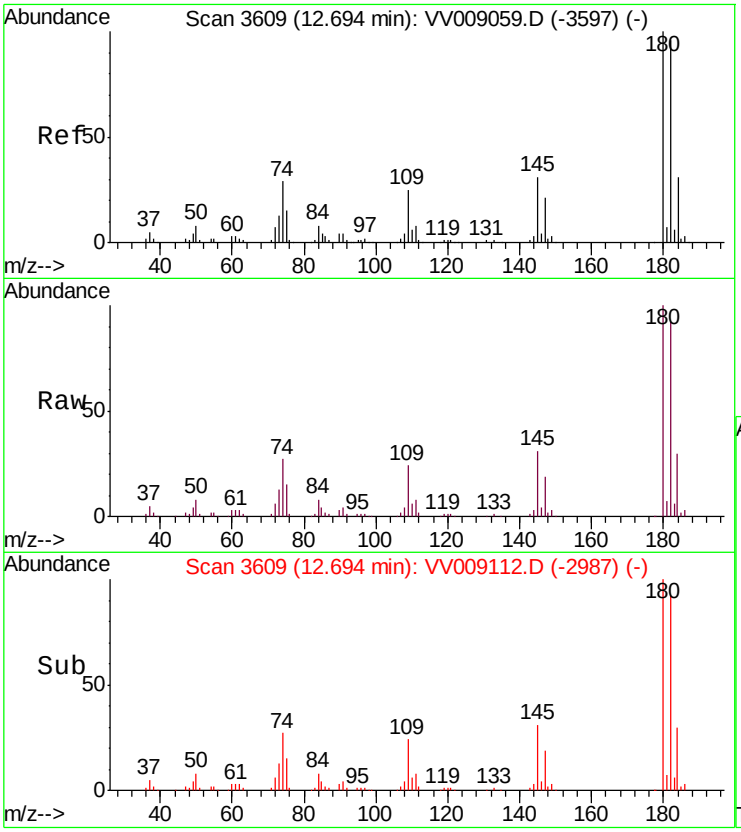




#66
1,2-Dibromo-3-chloropropane
Concen: 24.628 ug/L
RT: 12.48 min Scan# 3542
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion: 75 Resp: 10960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 157 | 110.8 | 95.8 | 143.6 |
| 155 | 89.1 | 71.4 | 107.2 |



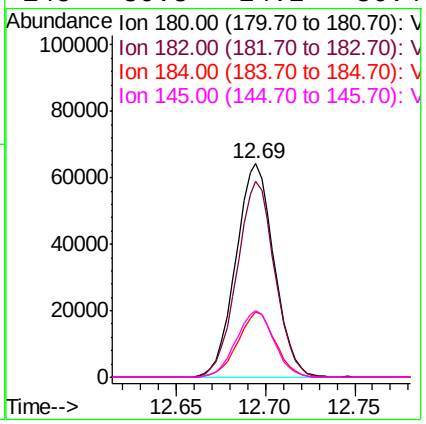


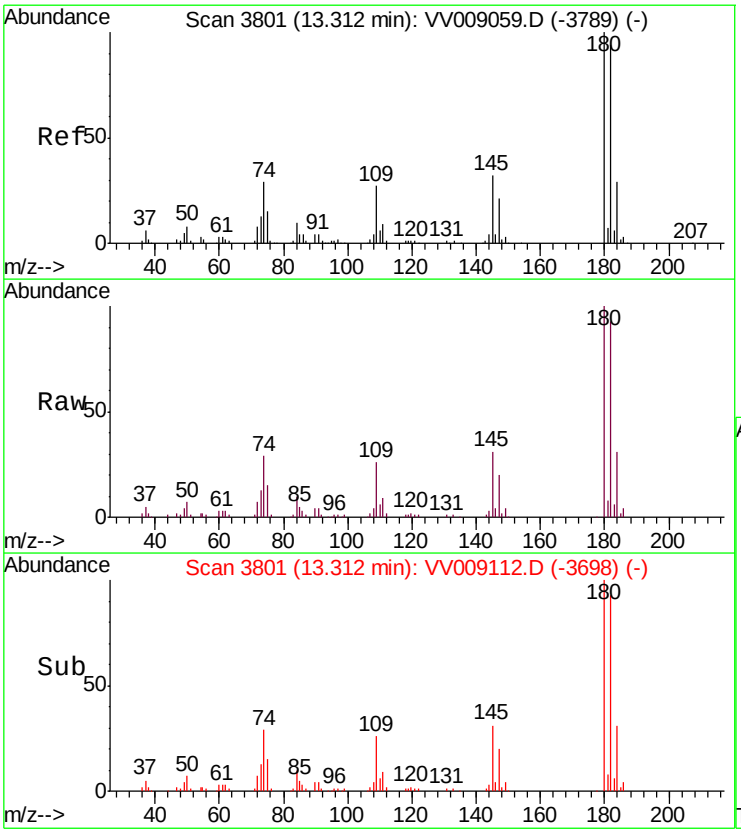

#67
1,3,5-Trichlorobenzene
Concen: 22.620 ug/L
RT: 12.69 min Scan# 3609
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02572

Tgt Ion:180 Resp: 96269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 90.7 | 75.9 | 113.9 |
| 184 | 29.7 | 23.8 | 35.6 |
| 145 | 30.8 | 24.2 | 36.4 |

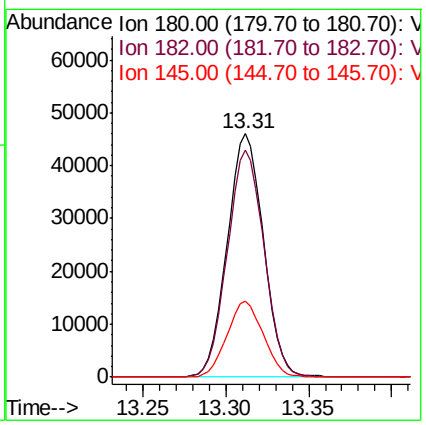


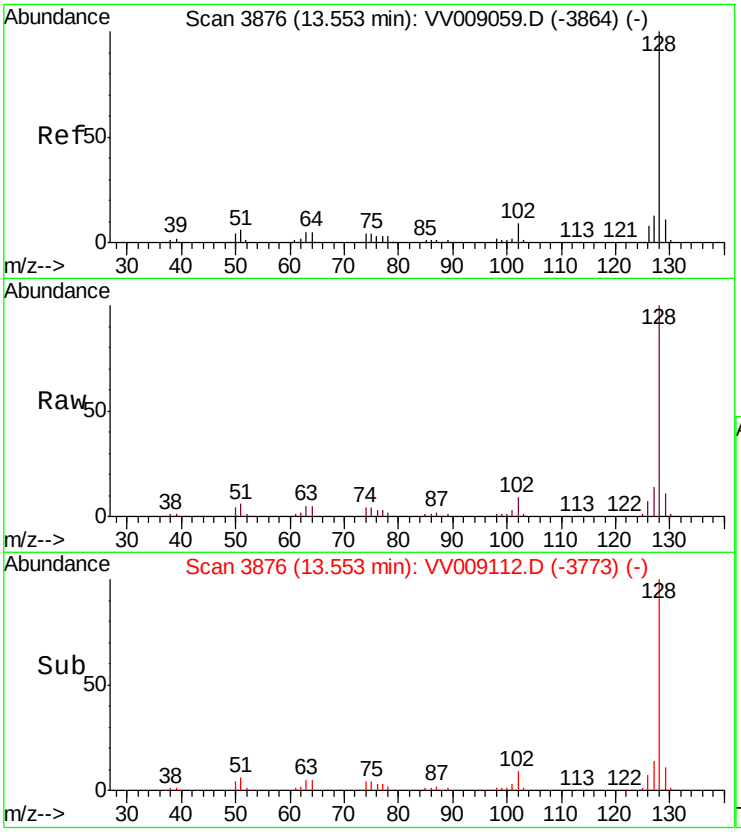




#68
1,2,4-trichlorobenzene
Concen: 23.469 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:180 Resp: 69985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 77.4 | 116.0 |
| 145 | 31.1 | 25.6 | 38.4 |



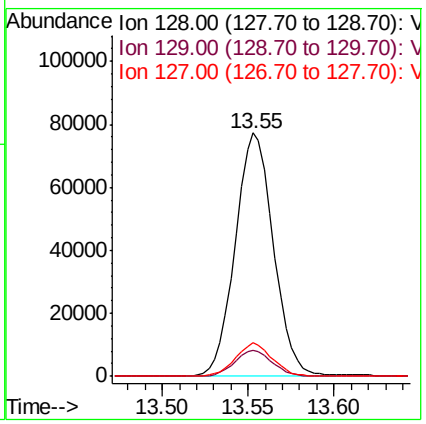


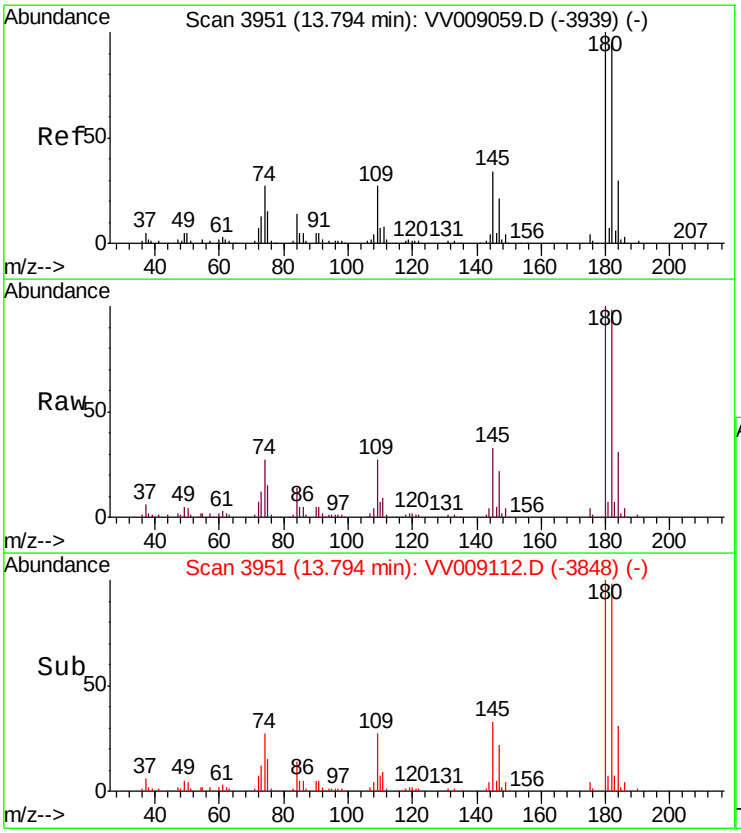

#69
Naphthalene
Concen: 23.159 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02572

Tgt Ion:128 Resp: 118947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 8.6 | 13.0 |
| 127 | 13.2 | 10.0 | 15.0 |




#70
1,2,3-Trichlorobenzene
Concen: 23.786 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009112.D
Acq: 21 Dec 2018 04:23

Tgt Ion:180 Resp: 65525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.7 | 76.1 | 114.1 |
| 145 | 33.1 | 26.7 | 40.1 |