Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053119\

Quantitation Report (Not Reviewed)

Data File : VV011179.D
Acq On : 31 May 2019 15:24
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Quant Time: Jun 01 00:23:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 08:21:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 319479 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 302324 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 149117 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 102694 | 23.76 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 95.04% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 86414 | 26.00 | ug/L | 0.02 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 104.00% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.12 | 63 | 220565 | 24.86 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 99.44% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 92188 | 58.35 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 116.70% | | | |
| 24) Chloroform-d | 4.40 | 84 | 174470 | 22.34 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 89.36% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 135637 | 26.65 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 106.60% | | | |
| 29) Benzene-d6 | 5.09 | 84 | 425772 | 25.93 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 103.72% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.11 | 67 | 137300 | 26.10 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 104.40% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 401310 | 25.91 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 103.64% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 61998 | 26.04 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 104.16% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 63570 | 53.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 106.34% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 128385 | 27.08 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 108.32% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 146423 | 26.24 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 104.96% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.14 | 85 | 127747 | 24.762 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 121149 | 24.018 | ug/L | 99 |
| 5) Vinyl chloride | 1.32 | 62 | 122813 | 24.422 | ug/L | 100 |
| 6) Bromomethane | 1.52 | 94 | 68302 | 25.196 | ug/L | 99 |
| 8) Chloroethane | 1.59 | 64 | 73393 | 25.225 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.76 | 101 | 182508 | 25.224 | ug/L | 100 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 91351 | 23.573 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 85570 | 23.837 | ug/L | 96 |
| 13) Acetone | 2.20 | 43 | 97034 | 52.795 | ug/L | 98 |
| 14) Carbon disulfide | 2.31 | 76 | 259761 | 22.531 | ug/L | 100 |
| 15) Methyl Acetate | 2.46 | 43 | 63554 | 22.980 | ug/L | 100 |
| 16) Methylene chloride | 2.53 | 84 | 106632 | 21.902 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 284303 | 22.845 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 99847 | 22.834 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 193961 | 22.925 | ug/L | 98 |
| 21) 2-Butanone | 4.03 | 43 | 105174 | 48.776 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 113048 | 23.147 | ug/L | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053119\

Quantitation Report (Not Reviewed)

Data File : VV011179.D
Acq On : 31 May 2019 15:24
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Quant Time: Jun 01 00:23:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 08:21:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 49126 | 22.860 | ug/L | | 90 |
| 25) Chloroform | 4.42 | 83 | 243060 | 26.889 | ug/L | | 100 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 152416 | 24.079 | ug/L | | 98 |
| 30) Cyclohexane | 4.72 | 56 | 189536 | 23.444 | ug/L | | 98 |
| 31) 1,1,1-Trichloroethane | 4.65 | 97 | 167968 | 24.260 | ug/L | | 99 |
| 32) Carbon tetrachloride | 4.87 | 117 | 143052 | 24.371 | ug/L | | 100 |
| 34) Benzene | 5.14 | 78 | 426601 | 23.803 | ug/L | | 100 |
| 35) Trichloroethene | 5.96 | 95 | 112937 | 24.032 | ug/L | | 99 |
| 36) Methylcyclohexane | 6.17 | 83 | 183993 | 23.137 | ug/L | | 98 |
| 40) 1,2-Dichloropropane | 6.22 | 63 | 109770 | 23.300 | ug/L | | 99 |
| 41) Bromodichloromethane | 6.55 | 83 | 143938 | 23.457 | ug/L | | 99 |
| 42) cis-1,3-Dichloropropene | 7.07 | 75 | 177775 | 23.735 | ug/L | | 98 |
| 43) 4-Methyl-2-pentanone | 7.27 | 43 | 197878 | 46.235 | ug/L | | 99 |
| 44) Toluene | 7.43 | 91 | 466293 | 23.835 | ug/L | | 98 |
| 45) trans-1,3-Dichloropropene | 7.69 | 75 | 150708 | 23.575 | ug/L | | 100 |
| 46) 1,1,2-Trichloroethane | 7.88 | 97 | 87067 | 23.694 | ug/L | | 98 |
| 47) Tetrachloroethene | 8.02 | 164 | 81953 | 23.533 | ug/L | | 97 |
| 49) 2-Hexanone | 8.18 | 43 | 153835 | 49.888 | ug/L | | 97 |
| 50) Dibromochloromethane | 8.29 | 129 | 97951 | 23.587 | ug/L | | 100 |
| 51) 1,2-Dibromoethane | 8.40 | 107 | 84910 | 23.824 | ug/L | # | 98 |
| 52) Chlorobenzene | 8.92 | 112 | 294877 | 23.547 | ug/L | | 98 |
| 53) Ethylbenzene | 9.05 | 91 | 536540 | 23.902 | ug/L | | 98 |
| 54) m,p-Xylene | 9.18 | 106 | 199875 | 23.939 | ug/L | | 99 |
| 55) o-xylene | 9.59 | 106 | 197523 | 24.054 | ug/L | | 98 |
| 56) Styrene | 9.60 | 104 | 337099 | 24.439 | ug/L | | 99 |
| 57) Isopropylbenzene | 9.97 | 105 | 528755 | 24.115 | ug/L | | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 113372 | 22.704 | ug/L | | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 89708 | 23.759 | ug/L | | 99 |
| 62) Bromoform | 9.77 | 173 | 53320 | 22.936 | ug/L | | 99 |
| 63) 1,3-Dichlorobenzene | 11.23 | 146 | 229694 | 23.779 | ug/L | | 100 |
| 64) 1,4-Dichlorobenzene | 11.32 | 146 | 233197 | 23.791 | ug/L | | 99 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 216348 | 23.656 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 20014 | 22.555 | ug/L | | 92 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 172309 | 23.864 | ug/L | | 99 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 142949 | 24.672 | ug/L | | 99 |
| 69) Naphthalene | 13.55 | 128 | 309164 | 25.956 | ug/L | | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 133637 | 24.869 | ug/L | | 99 |

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

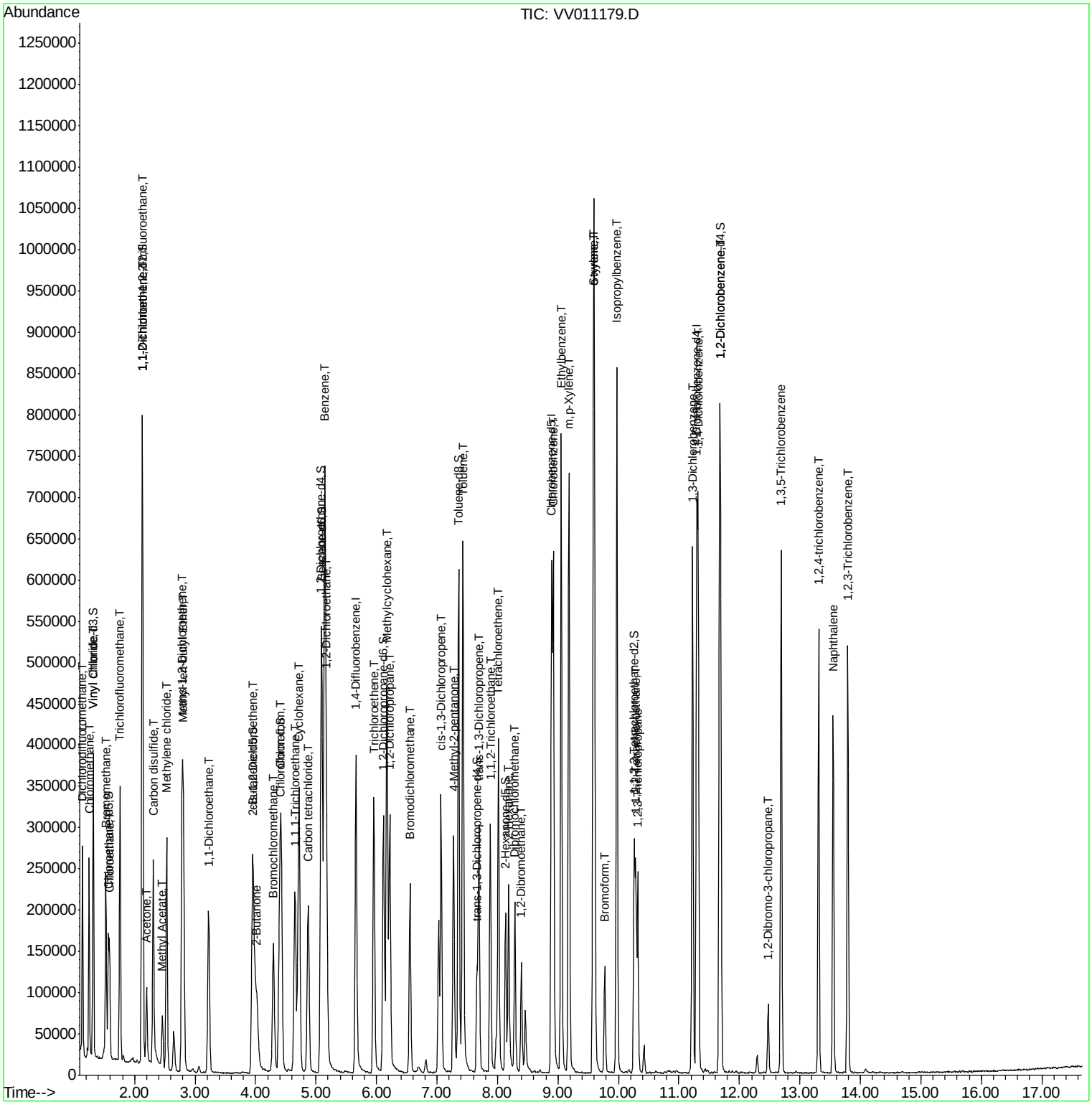
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053119\

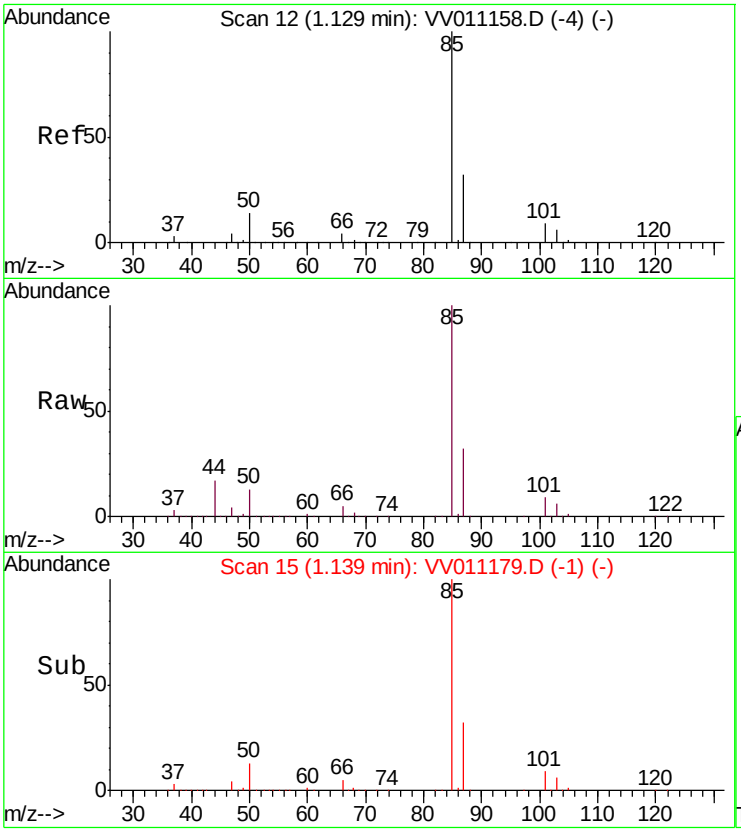
Quantitation Report (Not Reviewed)

Data File : VV011179.D
Acq On : 31 May 2019 15:24
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Quant Time: Jun 01 00:23:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 08:21:18 2019
Response via : Initial Calibration



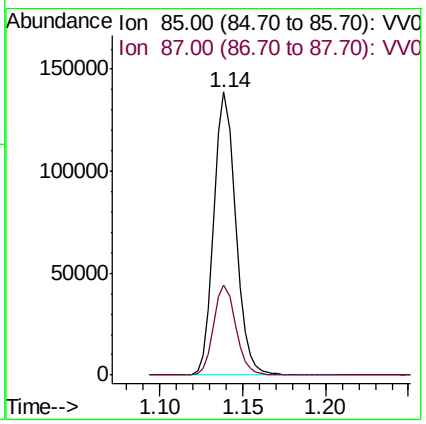


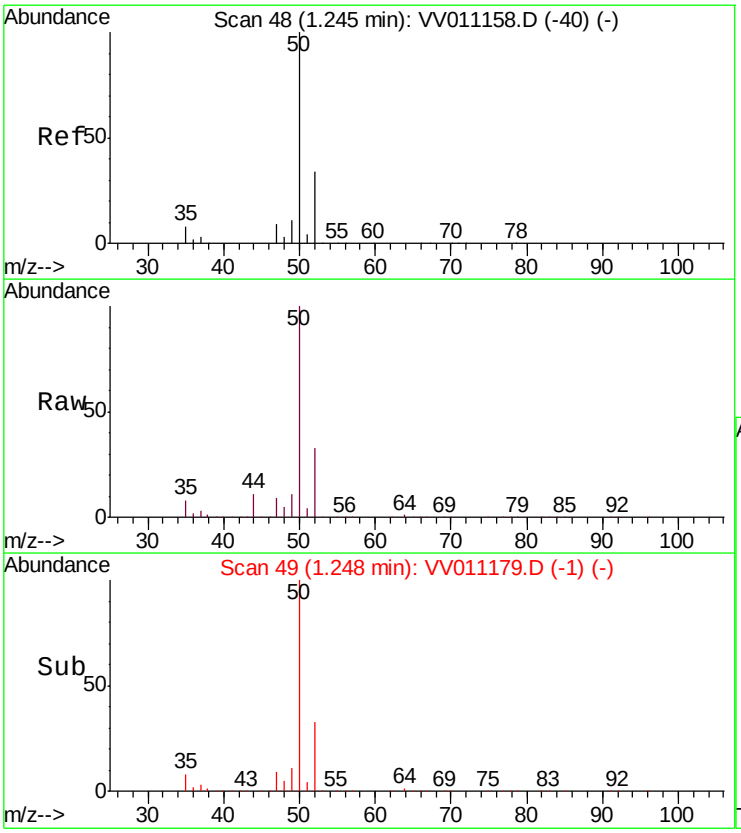

#2
Dichlorodifluoromethane
Concen: 24.762 ug/L
RT: 1.14 min Scan# 15
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 85 Resp: 127747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 22.8 | 42.4 |

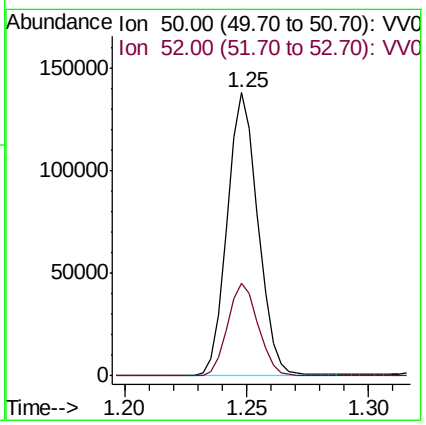


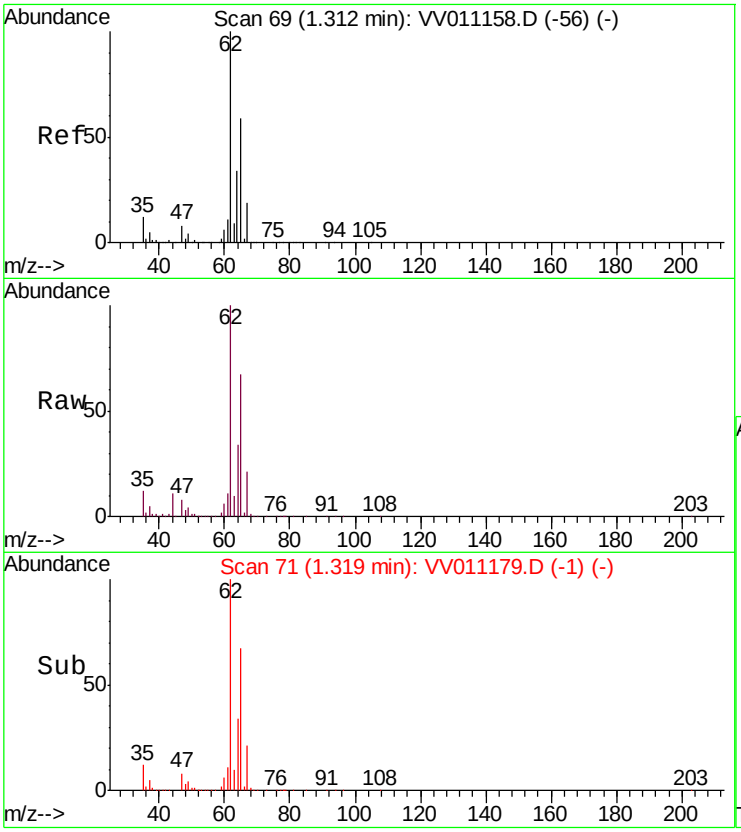




#3
Chloromethane
Concen: 24.018 ug/L
RT: 1.25 min Scan# 49
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 50 Resp: 121149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 22.5 | 41.9 |



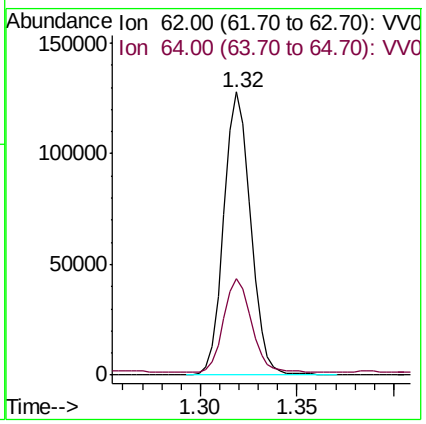


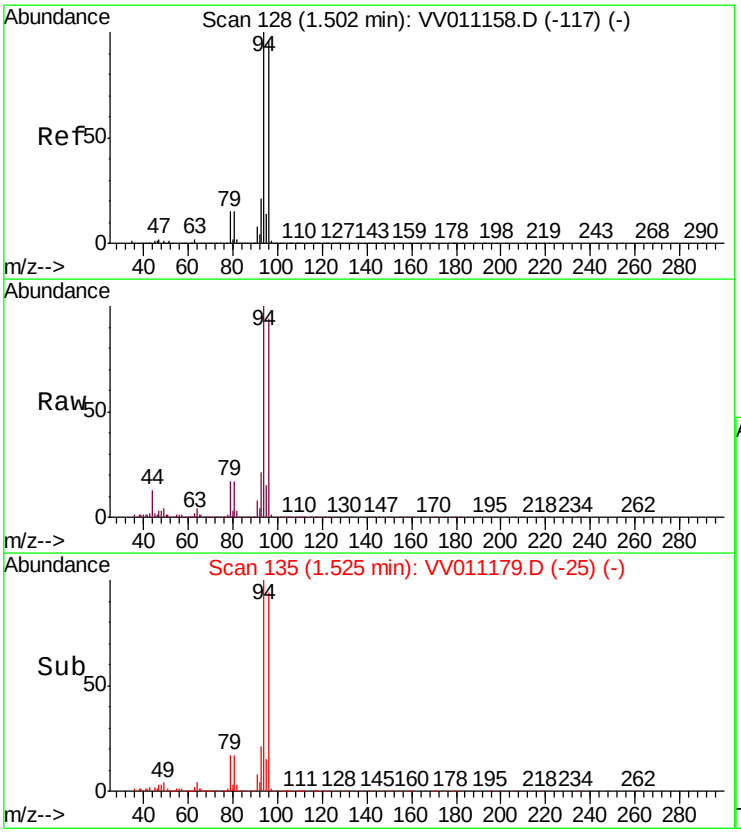

#5
Vinyl chloride
Concen: 24.422 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 62 Resp: 122813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.2 | 23.7 | 44.1 |

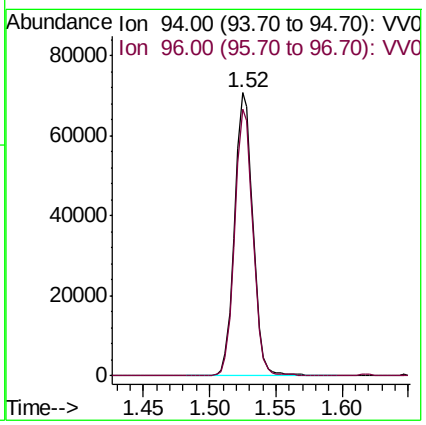


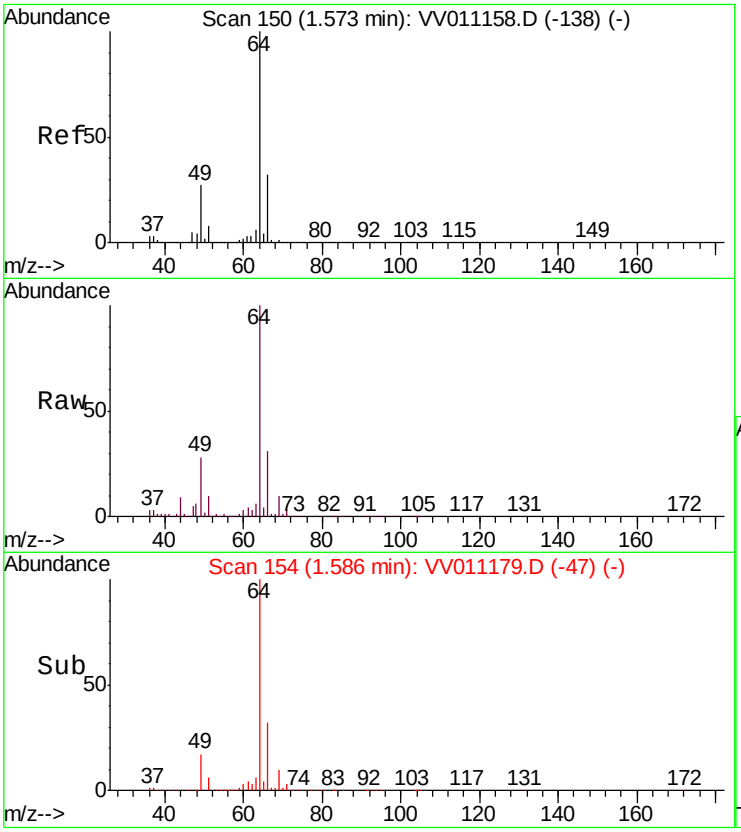




#6
Bromomethane
Concen: 25.196 ug/L
RT: 1.52 min Scan# 135
Delta R.T. 0.02 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 94 Resp: 68302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.7 | 9.4 | 179.5 |



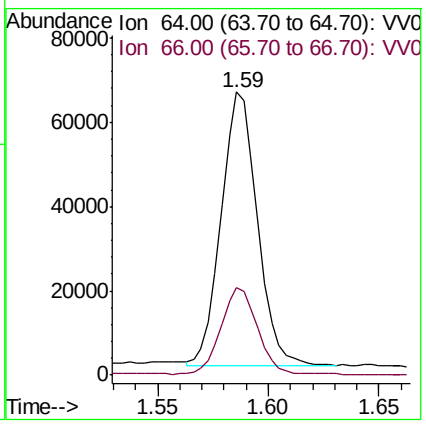


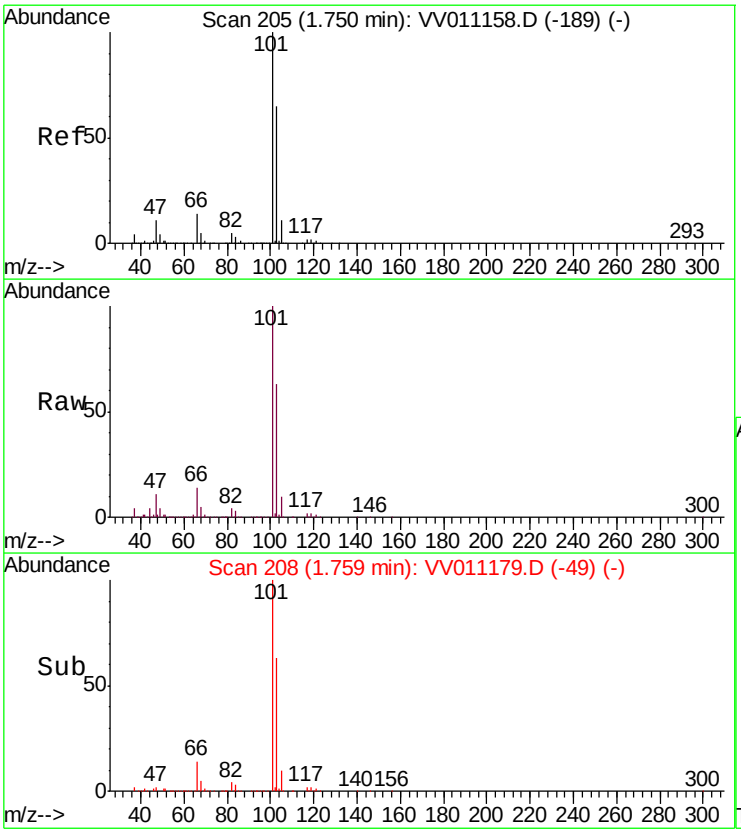

#8
Chloroethane
Concen: 25.225 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 64 Resp: 73393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.8 | 21.7 | 40.3 |

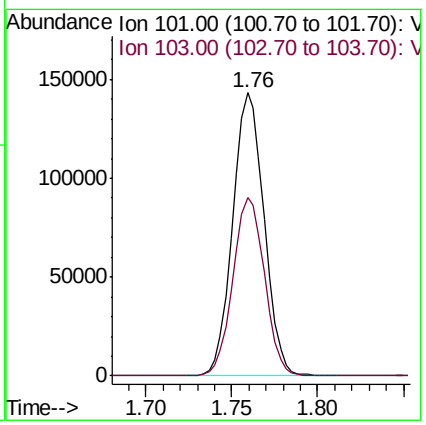


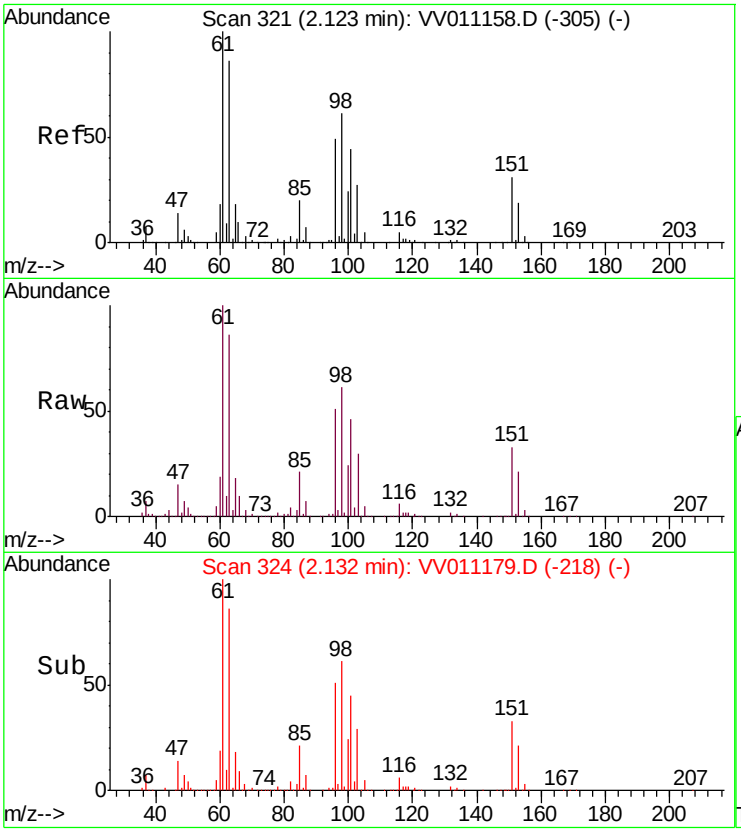




#9
Trichlorofluoromethane
Concen: 25.224 ug/L
RT: 1.76 min Scan# 208
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:101 Resp: 182508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 44.4 | 82.4 |



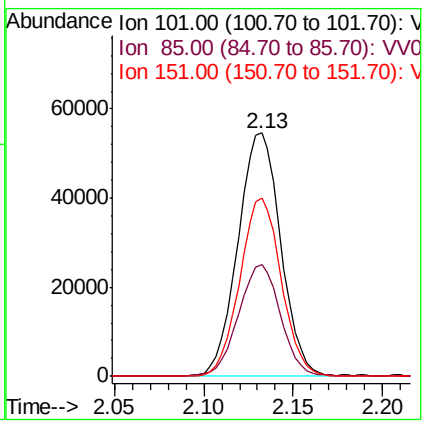


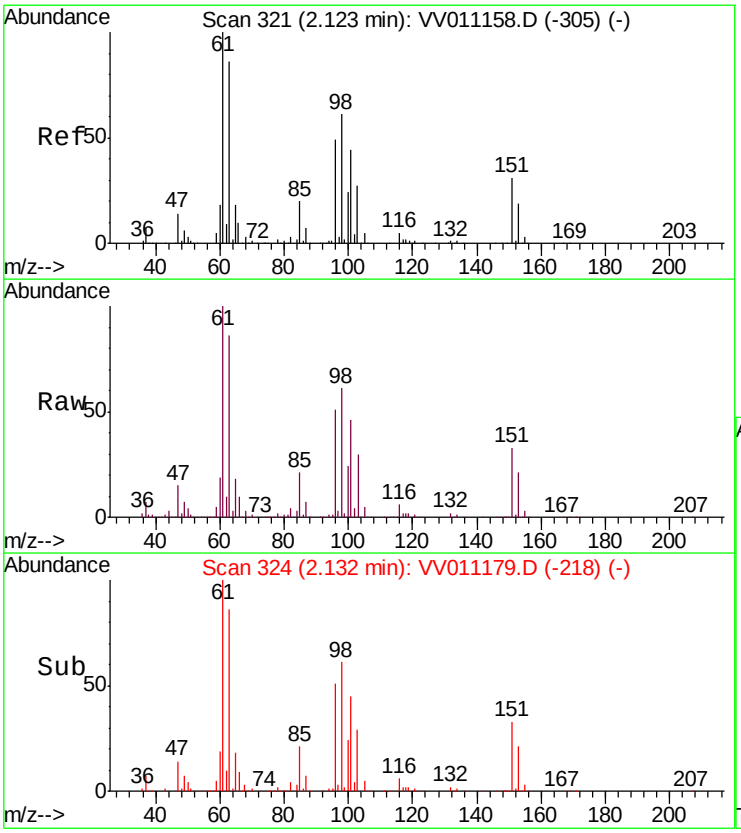

#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.573 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion:101 Resp: 91351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.4 | 37.4 | 56.2 |
| 151 | 70.8 | 57.1 | 85.7 |

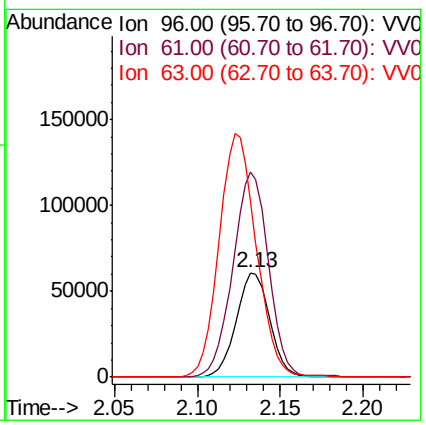


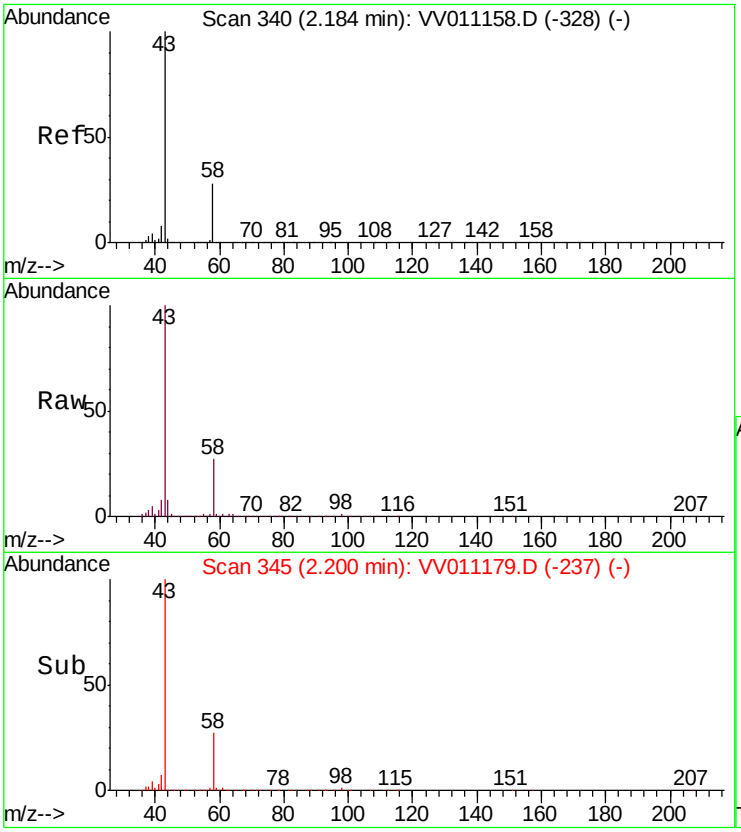




#12
1,1-Dichloroethene
Concen: 23.837 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 96 Resp: 85570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 197.0 | 141.6 | 263.0 |
| 63 | 168.8 | 114.4 | 212.4 |



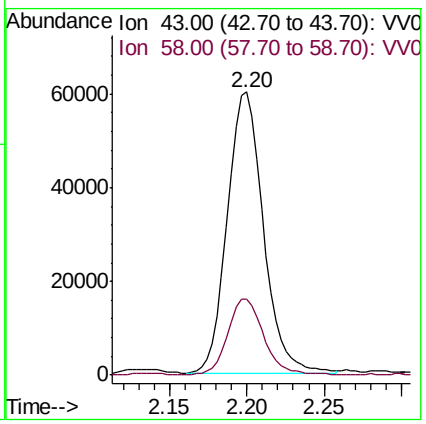


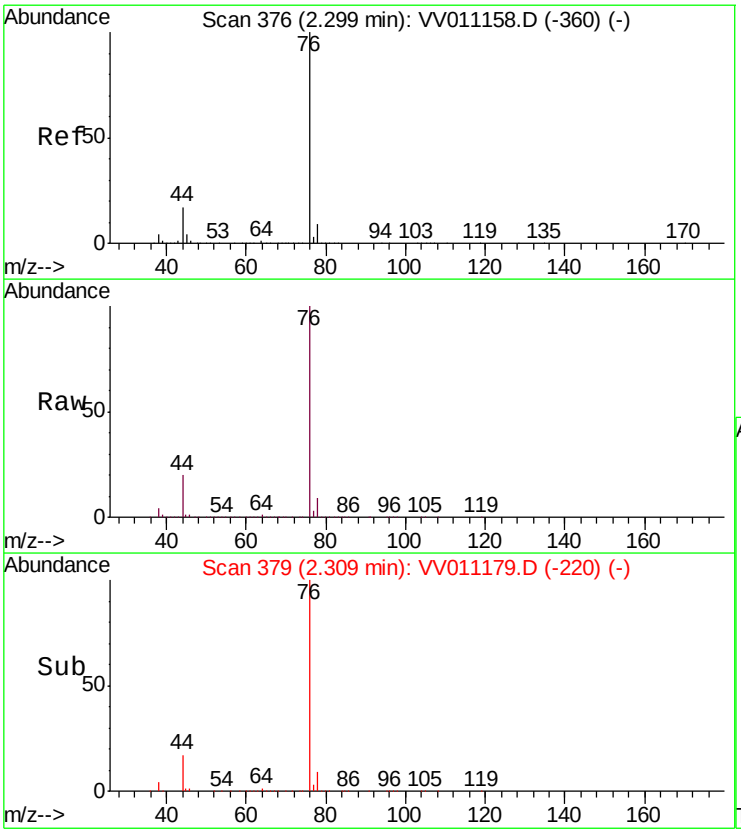

#13
Acetone
Concen: 52.795 ug/L
RT: 2.20 min Scan# 345
Delta R.T. 0.02 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Tgt Ion: 43 Resp: 97034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.1 | 0.0 | 53.8 |

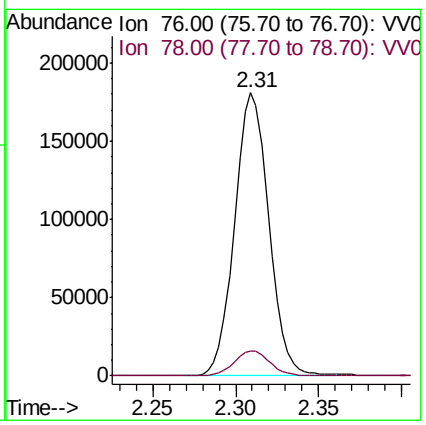


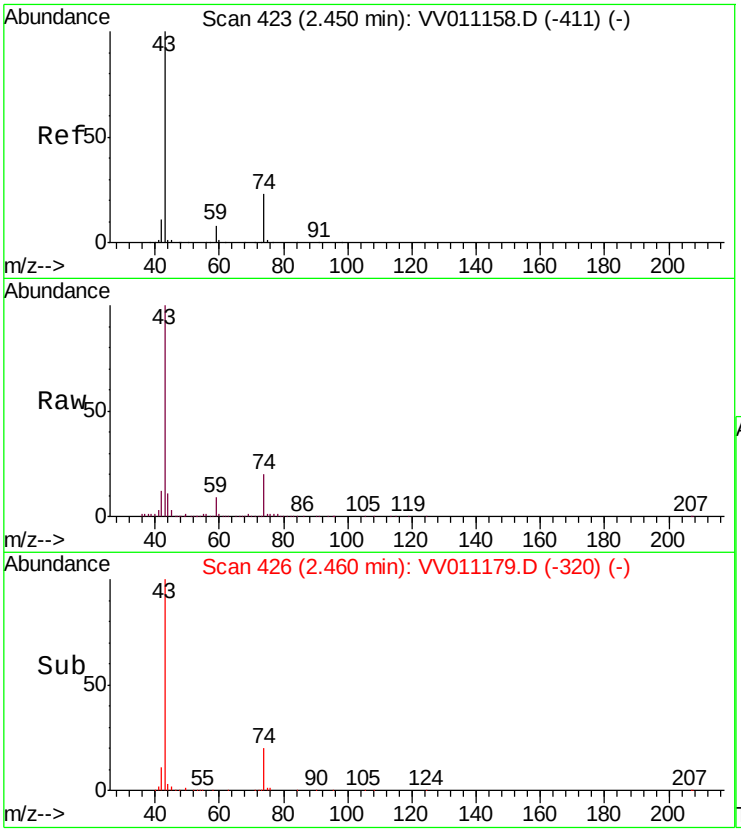




#14
Carbon disulfide
Concen: 22.531 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 76 Resp: 259761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.2 | 10.8 |



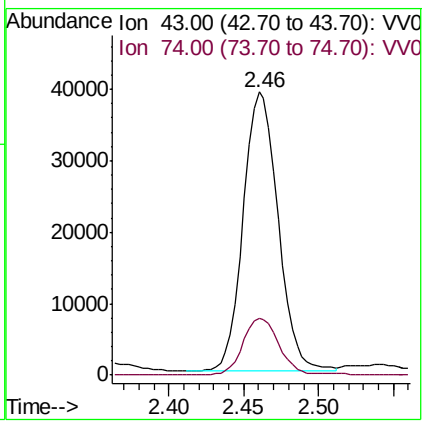


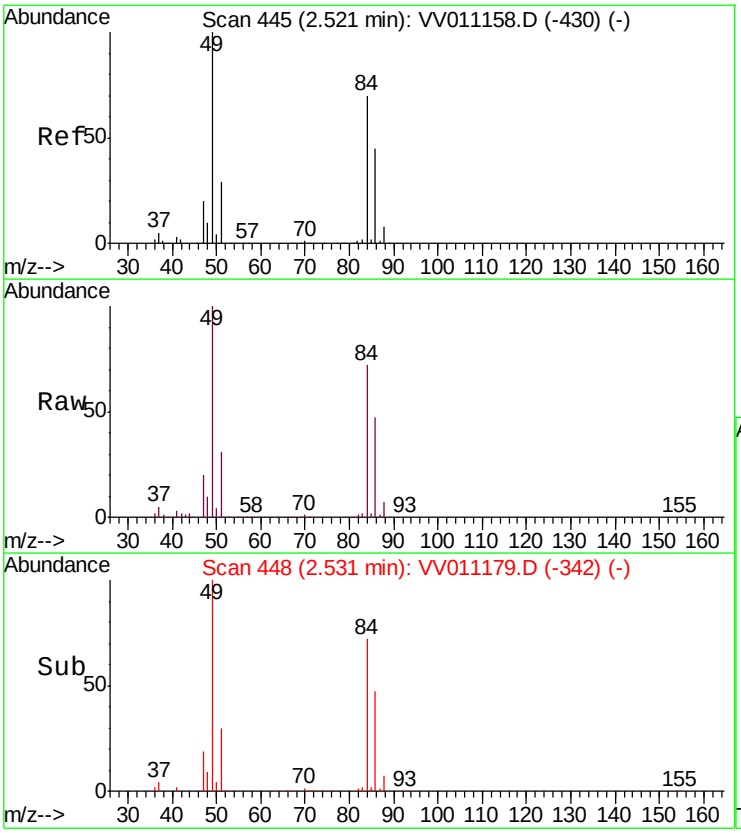

#15
Methyl Acetate
Concen: 22.980 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Tgt Ion: 43 Resp: 63554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.1 | 16.2 | 24.4 |

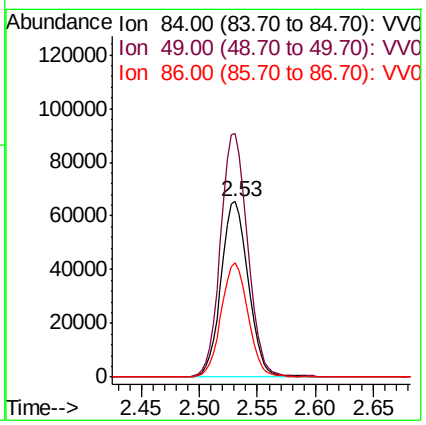


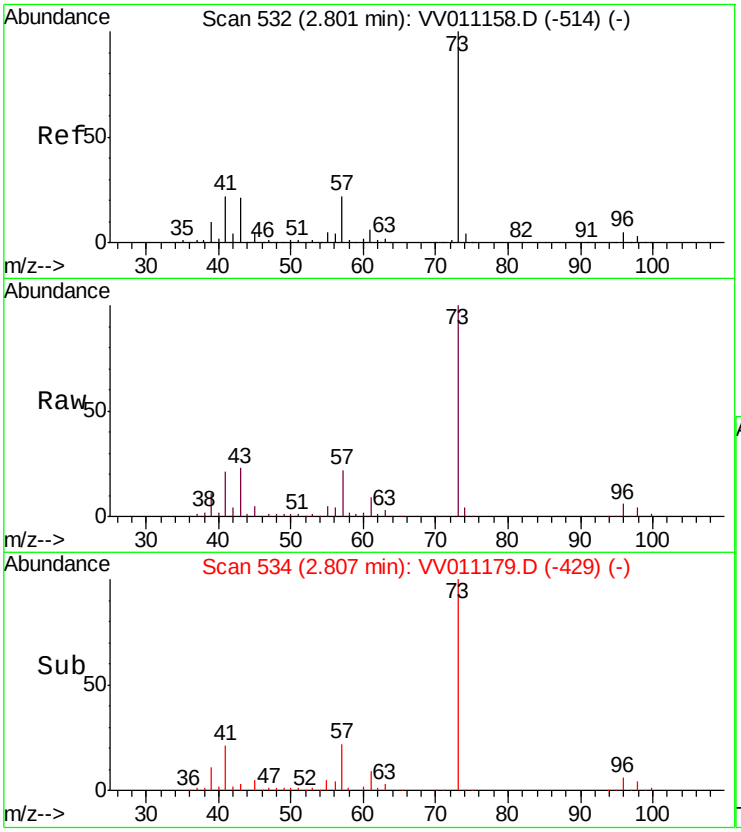




#16
Methylene chloride
Concen: 21.902 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 84 Resp: 106632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.8 | 96.1 | 178.5 |
| 86 | 65.0 | 45.0 | 83.6 |



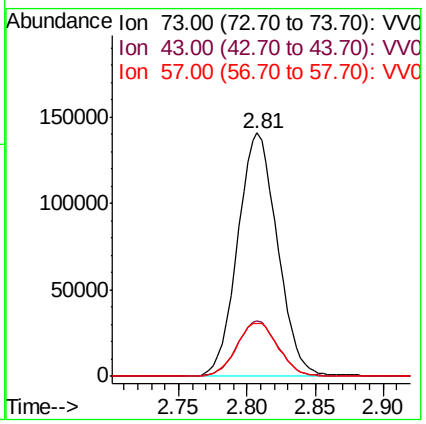


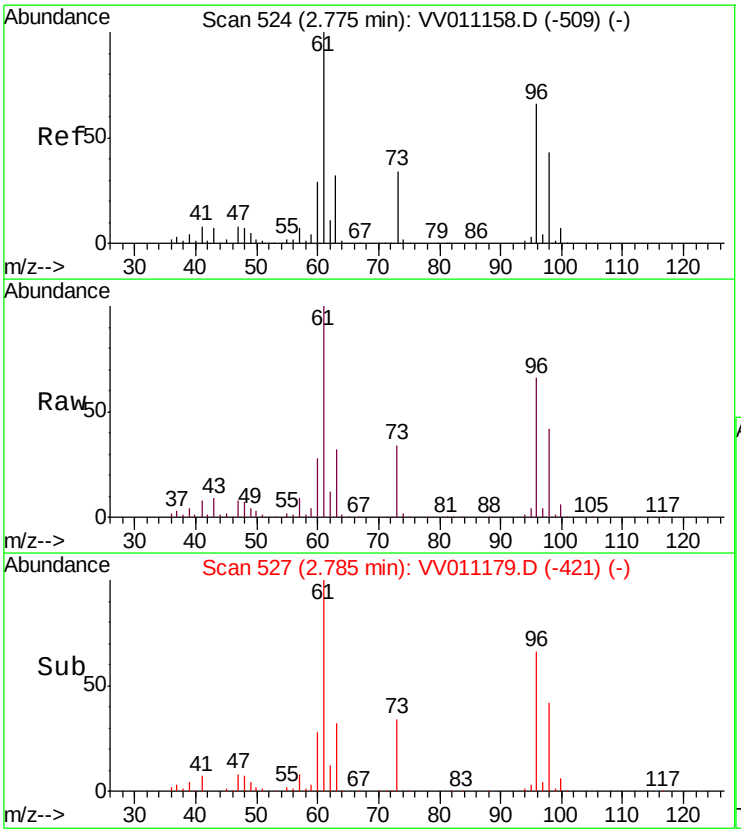

#17
Methyl tert-butyl Ether
Concen: 22.845 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Tgt Ion: 73 Resp: 284303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 22.9 | 17.5 | 26.3 |
| 57 | 23.1 | 18.2 | 27.4 |

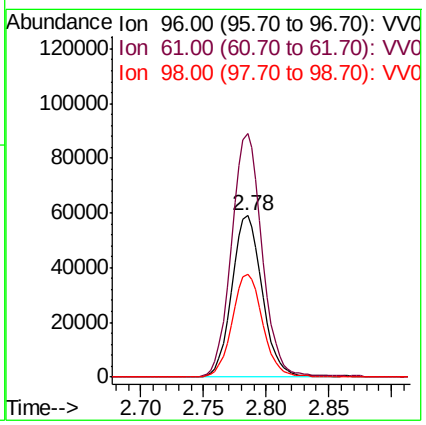


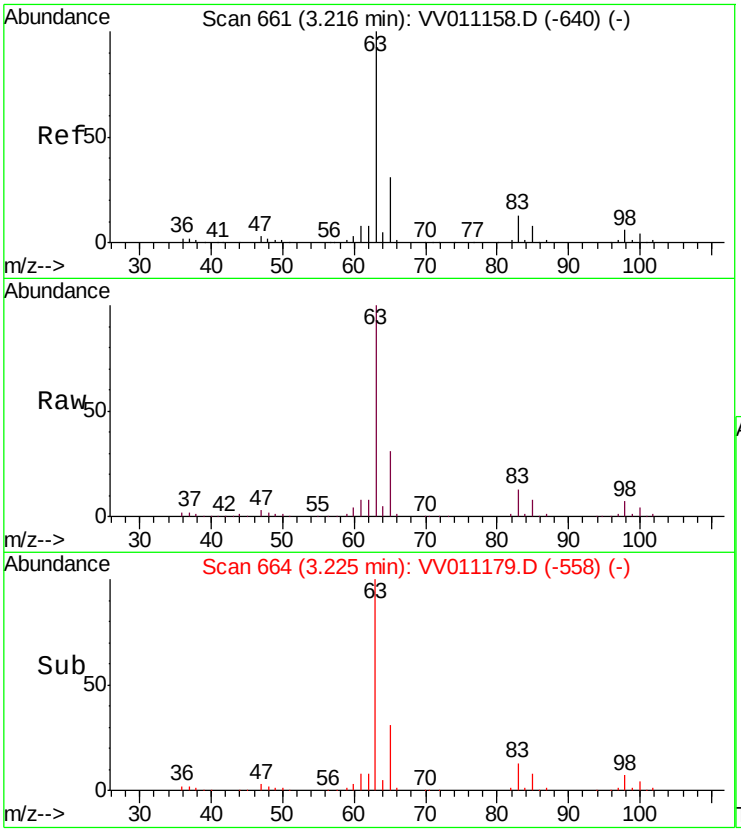




#18
trans-1,2-Dichloroethene
Concen: 22.834 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 96 Resp: 99847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.8 | 102.6 | 190.5 |
| 98 | 63.8 | 43.3 | 80.3 |



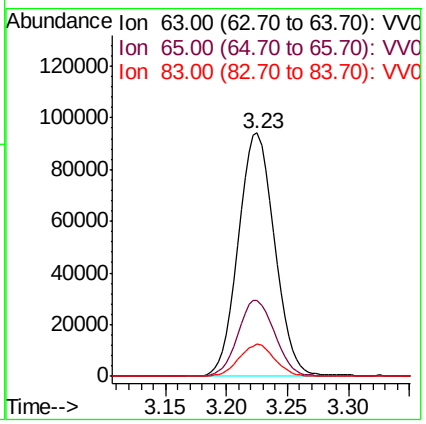


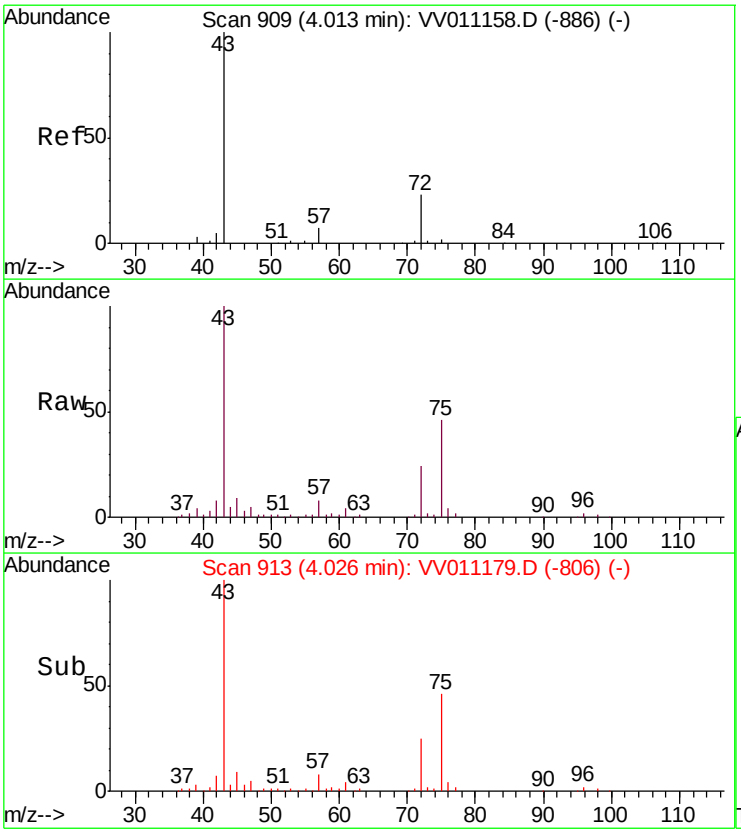

#19
1,1-Dichloroethane
Concen: 22.925 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Tgt Ion: 63 Resp: 193961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 22.7 | 42.3 |
| 83 | 13.1 | 9.2 | 17.0 |

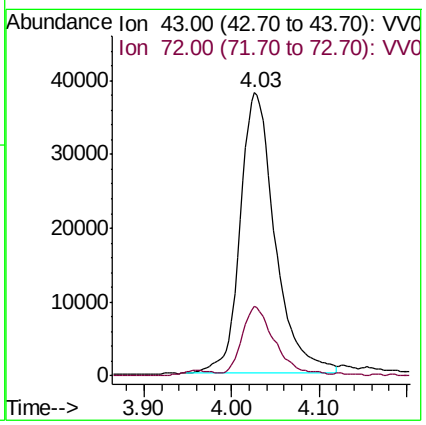


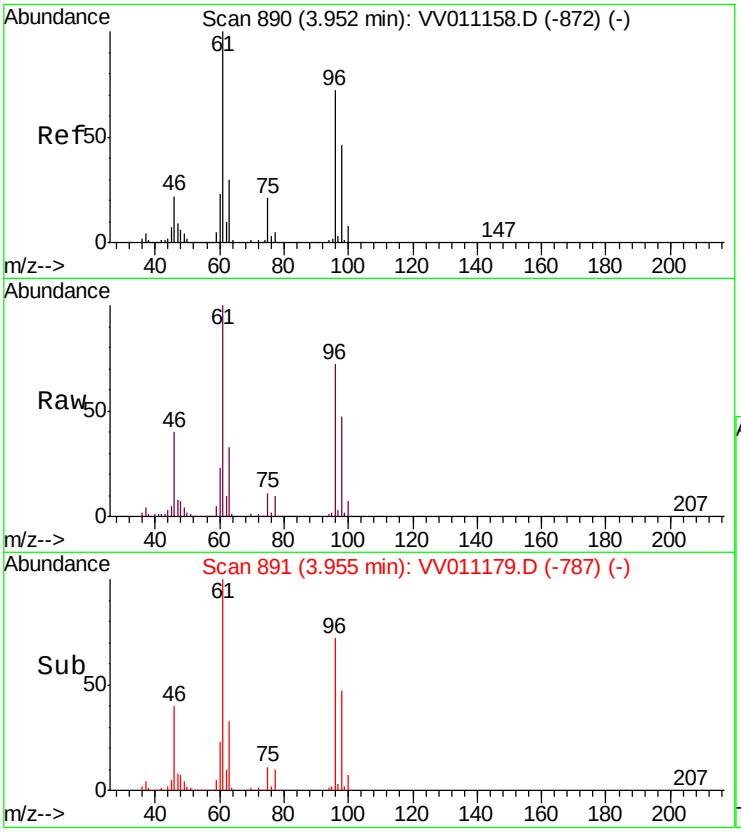




#21
2-Butanone
Concen: 48.776 ug/L
RT: 4.03 min Scan# 913
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 43 Resp: 105174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.8 | 11.1 | 33.3 |



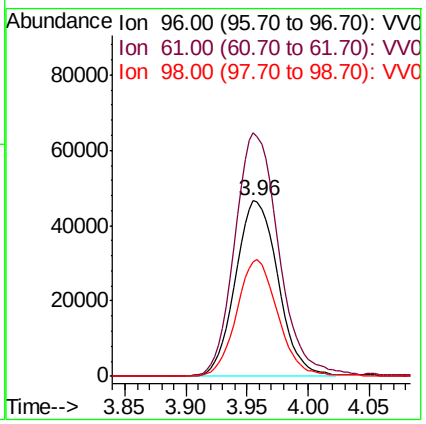


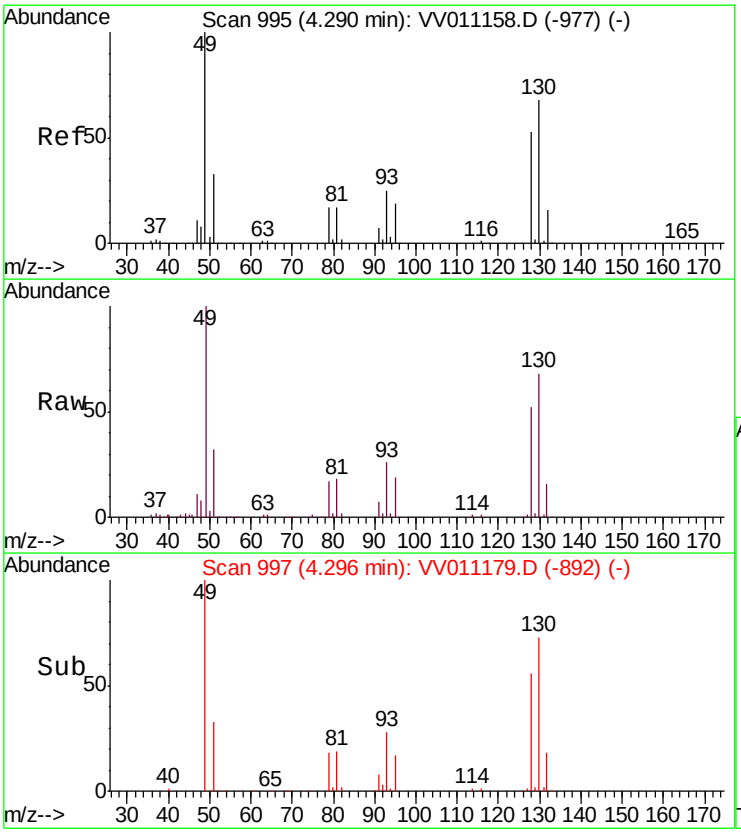

#22
cis-1,2-Dichloroethene
Concen: 23.147 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 96 Resp: 113048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.9 | 97.4 | 181.0 |
| 98 | 65.2 | 45.0 | 83.6 |

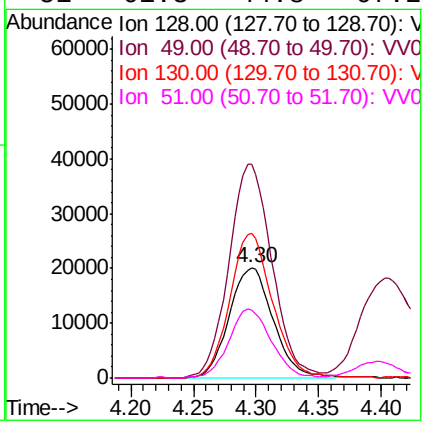


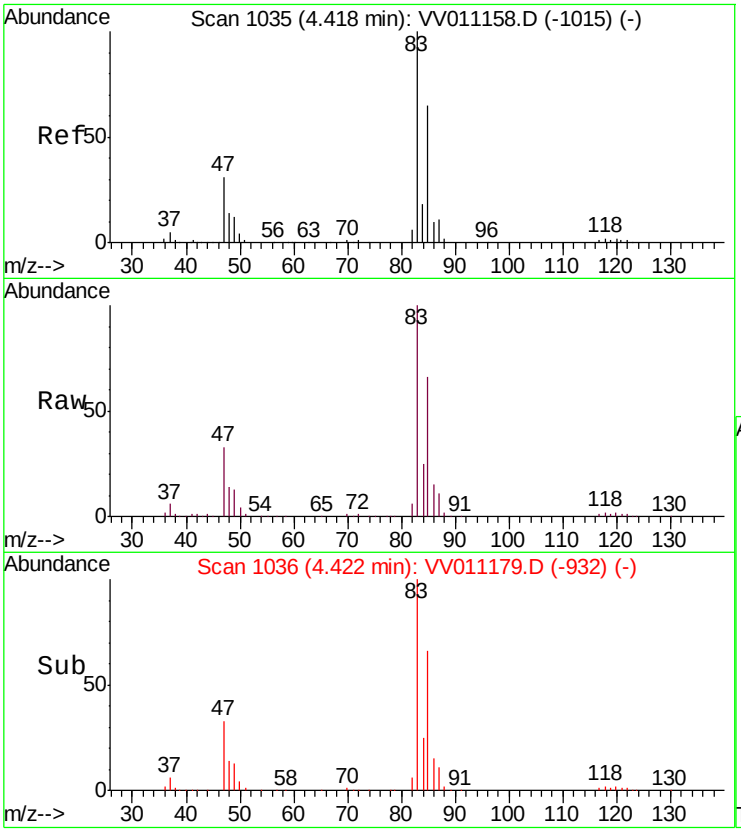




#23
Bromochloromethane
Concen: 22.860 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:128 Resp: 49126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 192.9 | 125.4 | 233.0 |
| 130 | 131.1 | 83.3 | 154.7 |
| 51 | 61.3 | 44.8 | 67.2 |



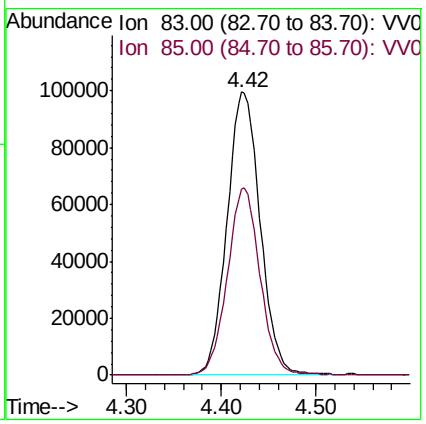


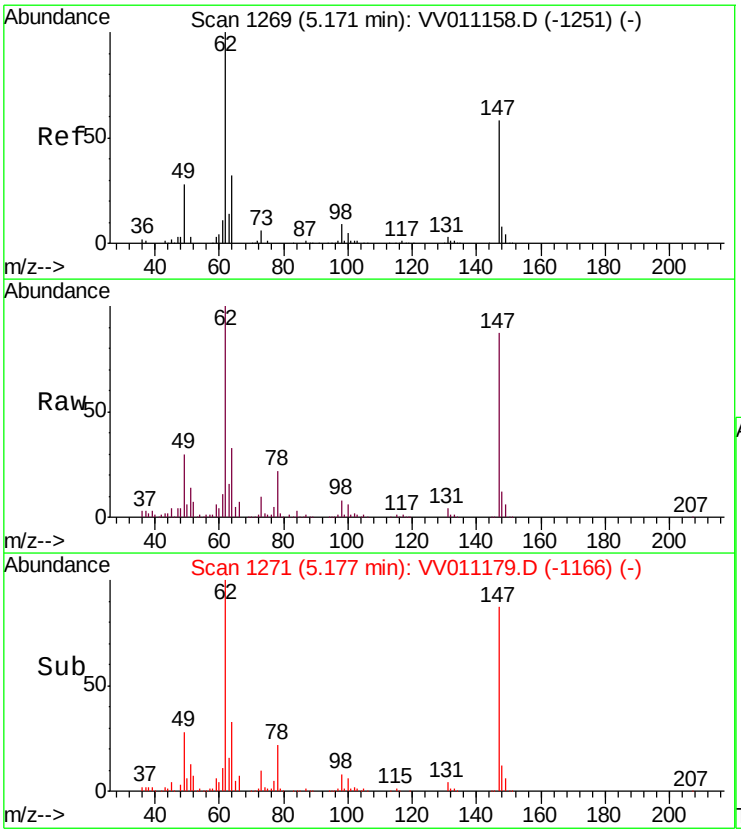

#25
Chloroform
Concen: 26.889 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 83 Resp: 243060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 45.6 | 84.6 |

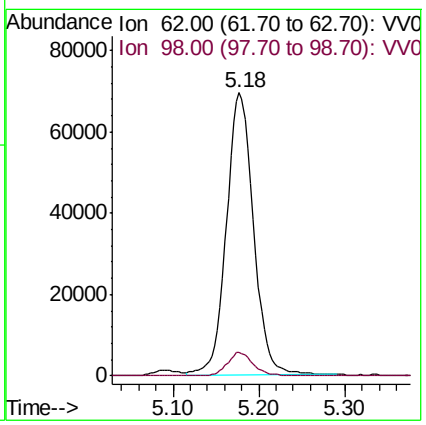


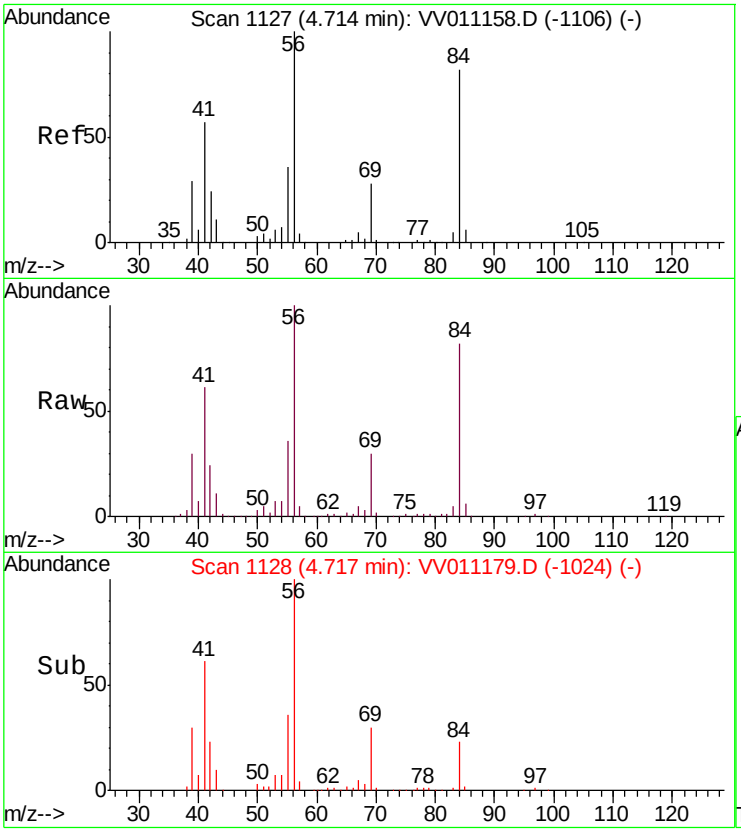




#27
1,2-Dichloroethane
Concen: 24.079 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 62 Resp: 152416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.4 | 7.4 | 11.0 |



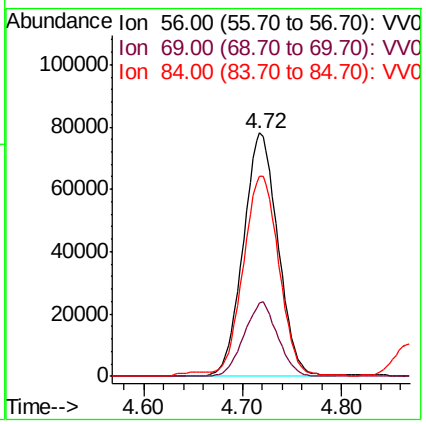


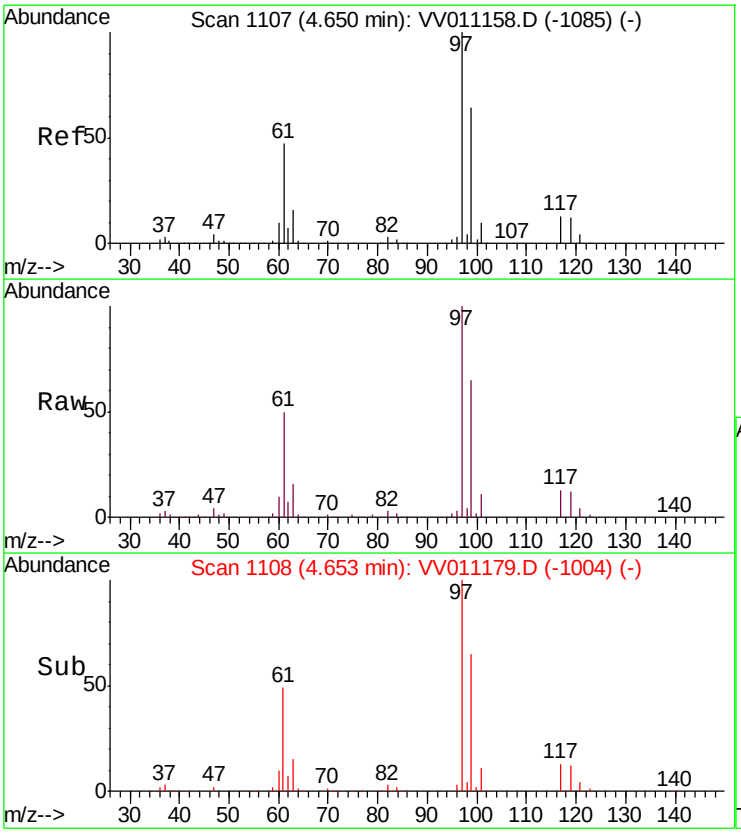

#30
Cyclohexane
Concen: 23.444 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 56 Resp: 189536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.6 | 23.4 | 35.0 |
| 84 | 84.0 | 65.8 | 98.8 |

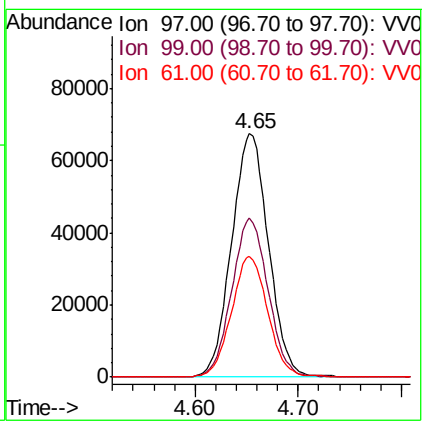


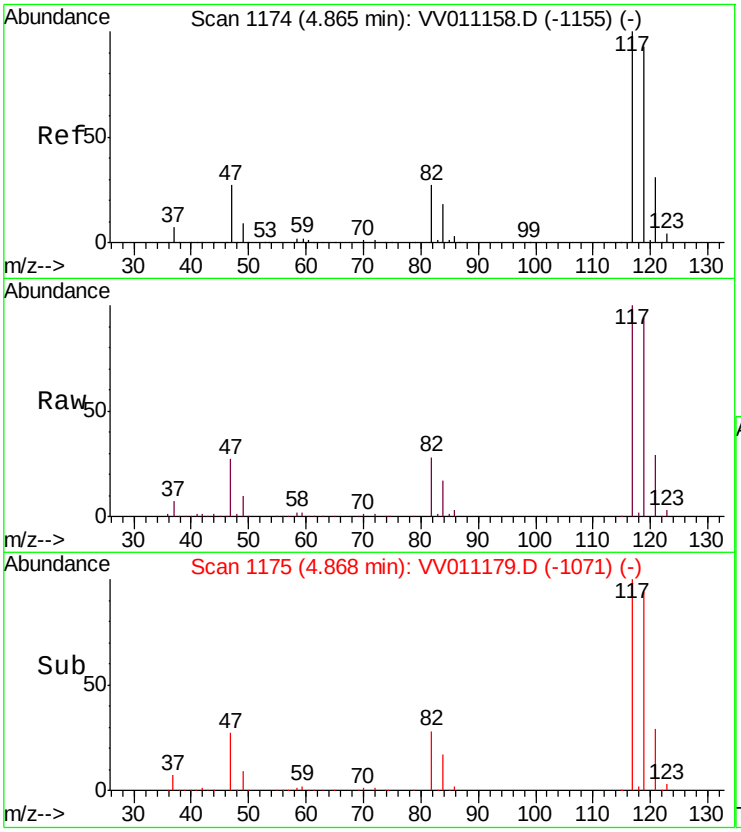




#31
1,1,1-Trichloroethane
Concen: 24.260 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 97 Resp: 167968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 51.3 | 76.9 |
| 61 | 48.9 | 38.4 | 57.6 |



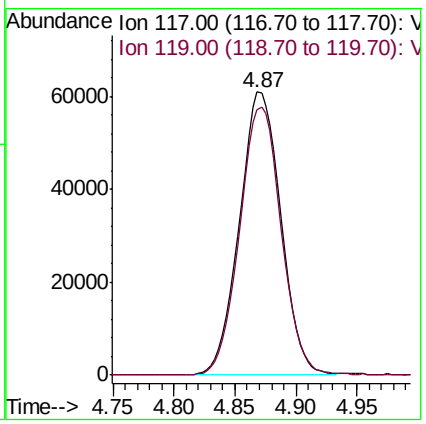


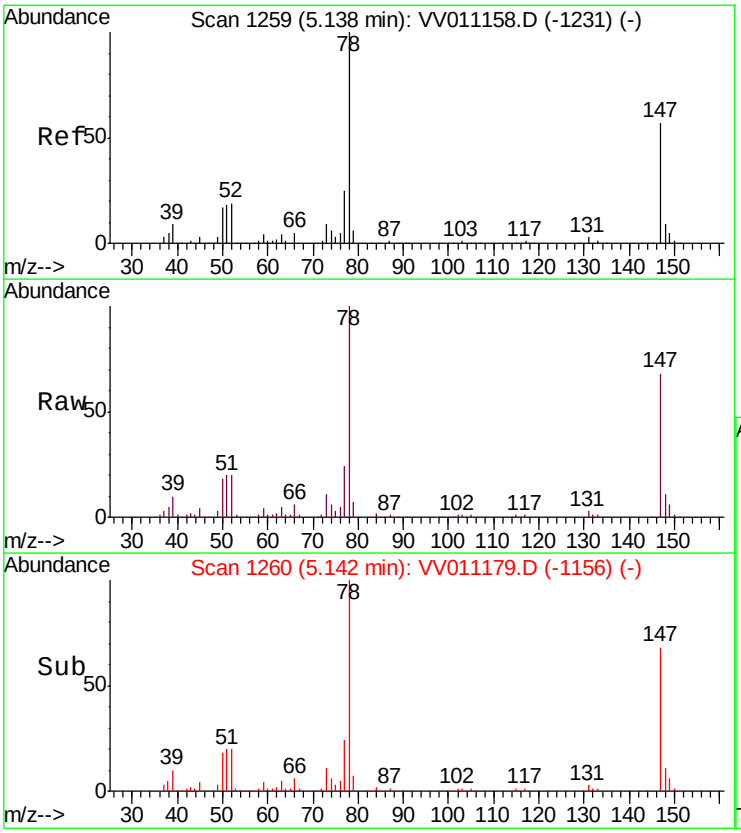

#32
Carbon tetrachloride
Concen: 24.371 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion:117 Resp: 143052

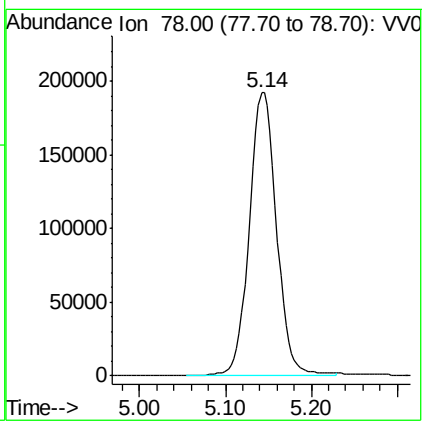
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 76.3 | 114.5 |

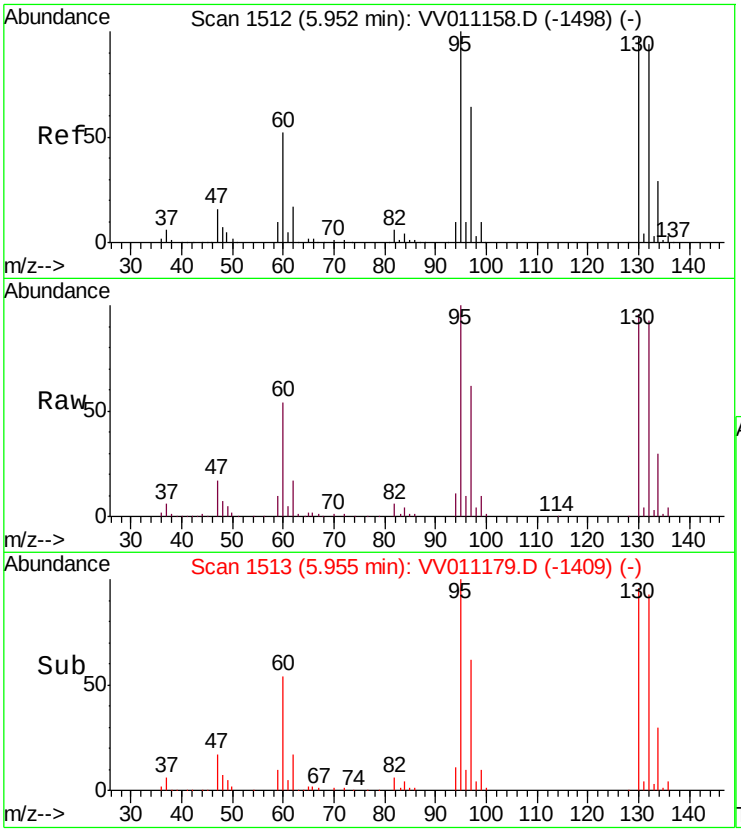



#34
Benzene
Concen: 23.803 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 78 Resp: 426601



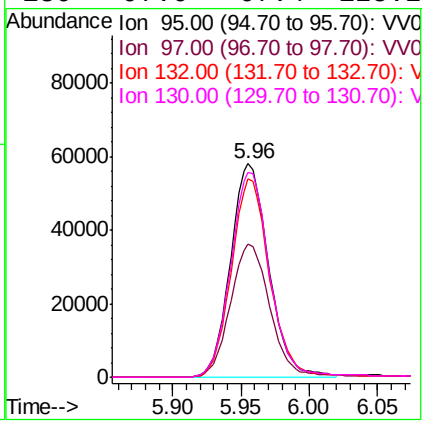


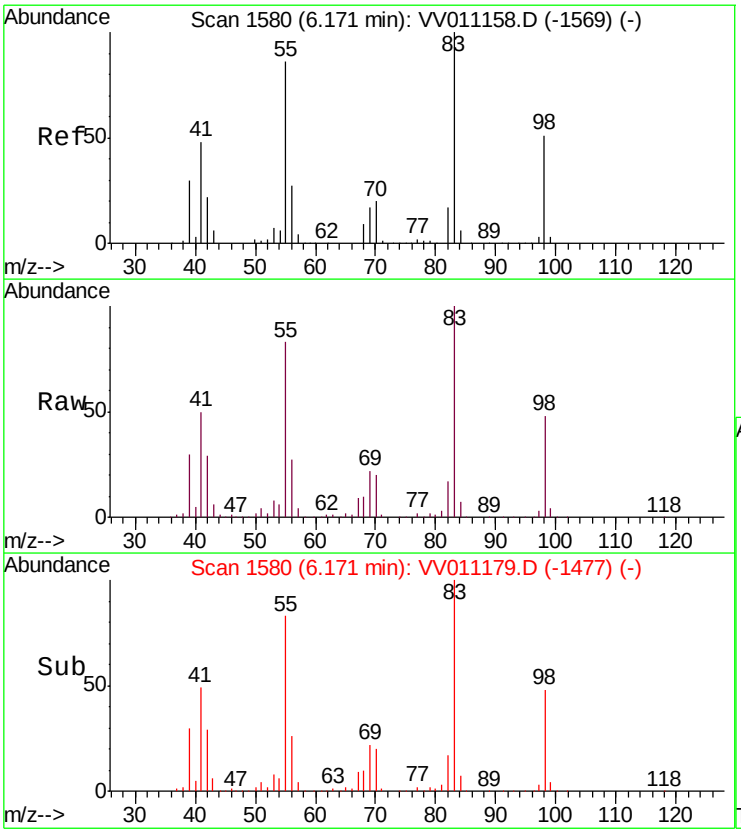

#35
Trichloroethene
Concen: 24.032 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 95 Resp: 112937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.9 | 44.4 | 82.5 |
| 132 | 92.5 | 66.0 | 122.6 |
| 130 | 97.0 | 67.4 | 125.2 |

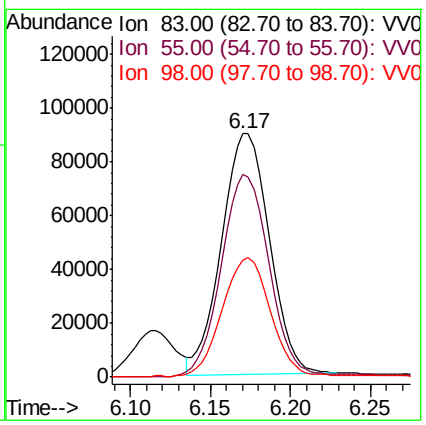


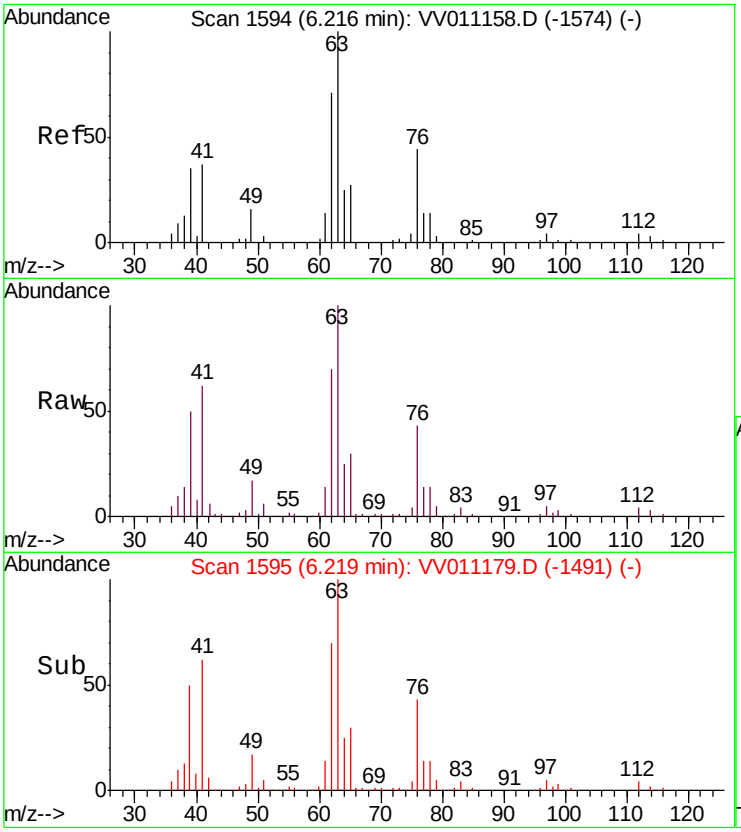




#36
Methylcyclohexane
Concen: 23.137 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 83 Resp: 183993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.4 | 66.4 | 99.6 |
| 98 | 49.6 | 37.9 | 56.9 |



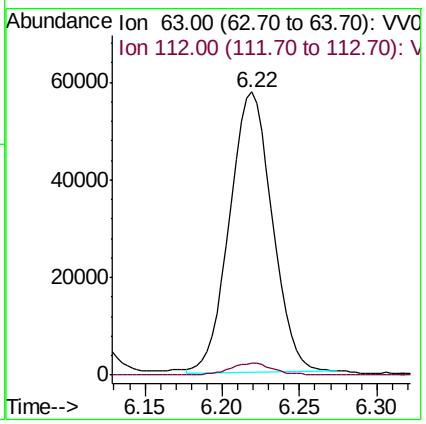


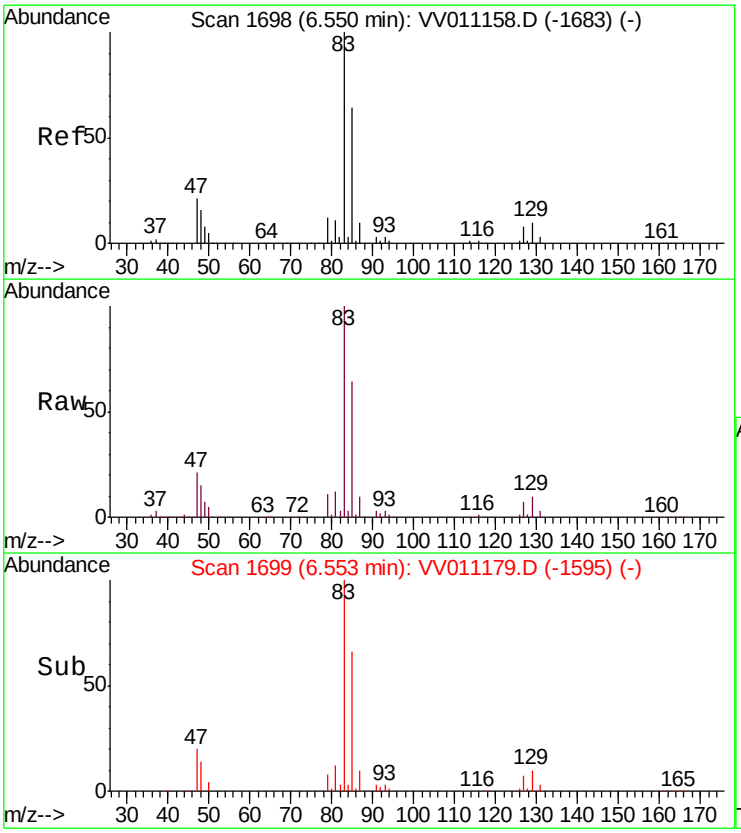

#40
1,2-Dichloropropane
Concen: 23.300 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 63 Resp: 109770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.3 | 3.6 | 5.4 |

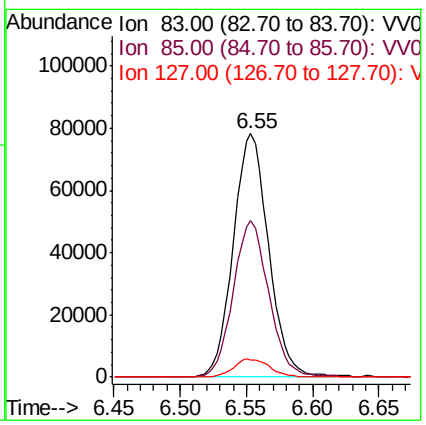


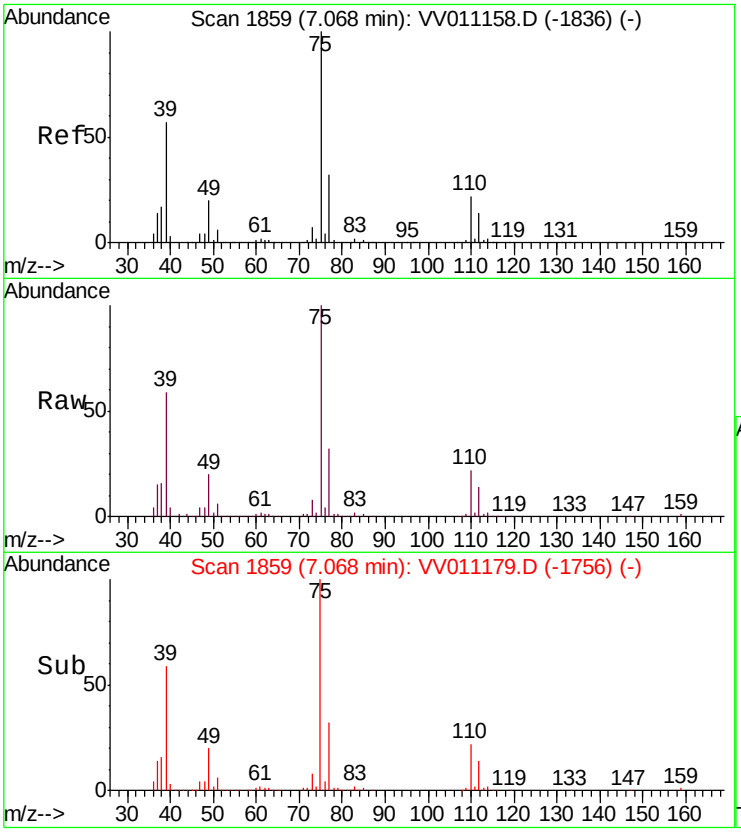




#41
Bromodichloromethane
Concen: 23.457 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 83 Resp: 143938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 44.1 | 81.9 |
| 127 | 7.2 | 6.3 | 9.5 |



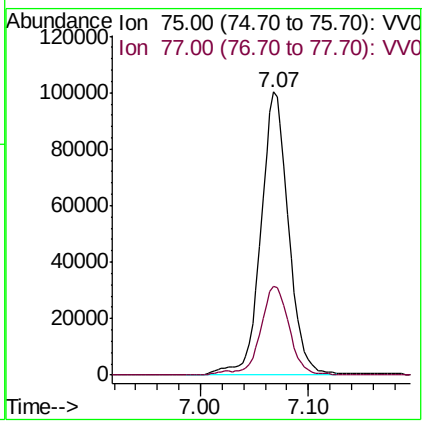


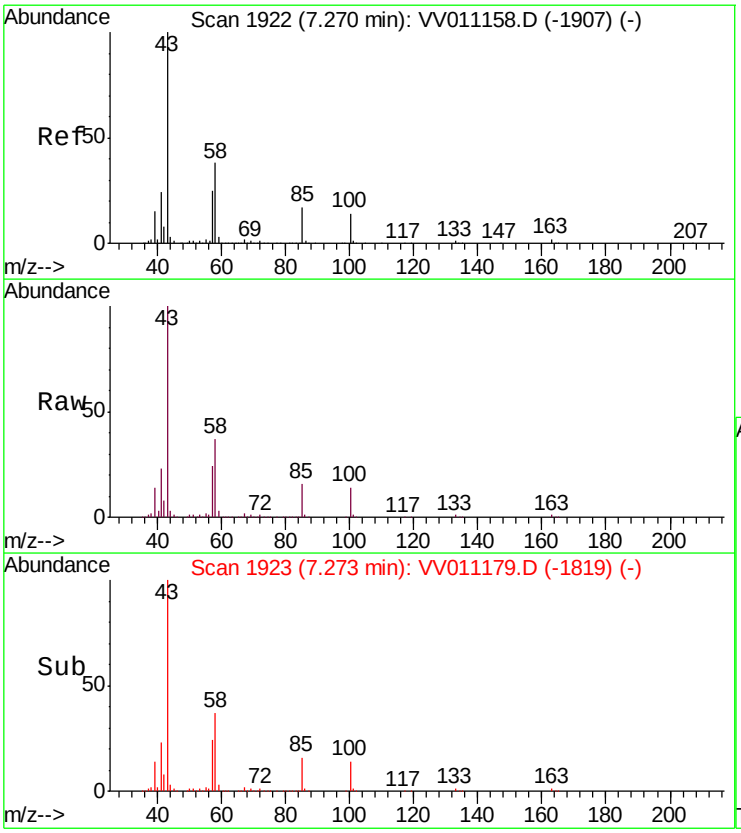

#42
cis-1,3-Dichloropropene
Concen: 23.735 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 75 Resp: 177775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 21.3 | 39.6 |

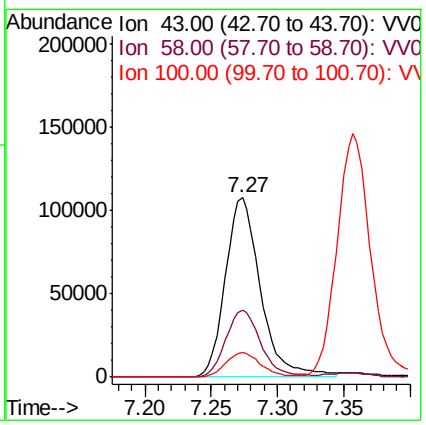


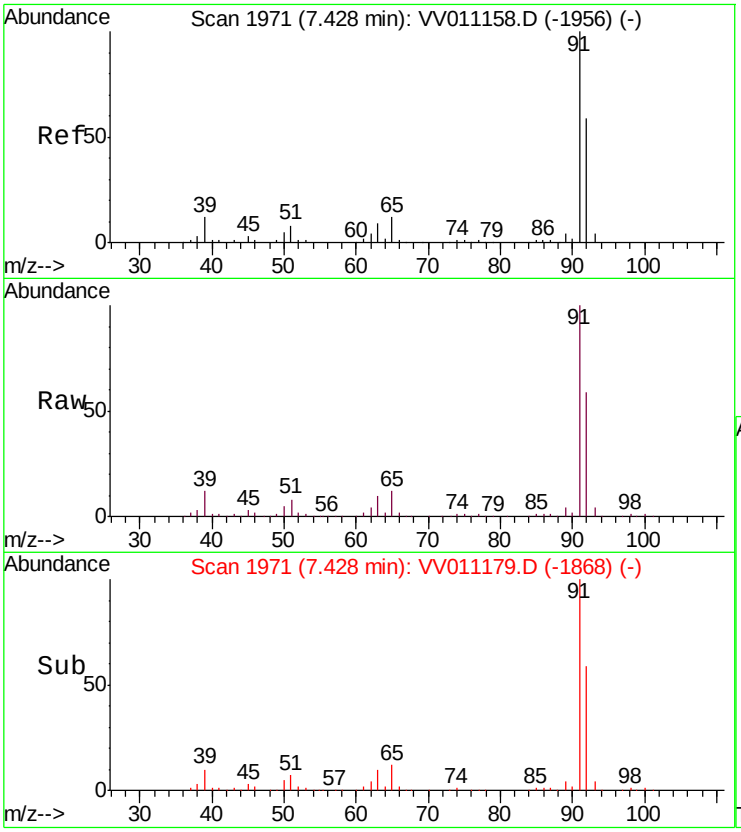




#43
4-Methyl-2-pentanone
Concen: 46.235 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 43 Resp: 197878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 30.2 | 45.4 |
| 100 | 13.7 | 11.3 | 16.9 |



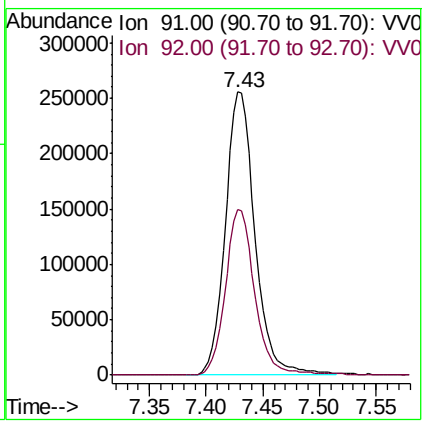


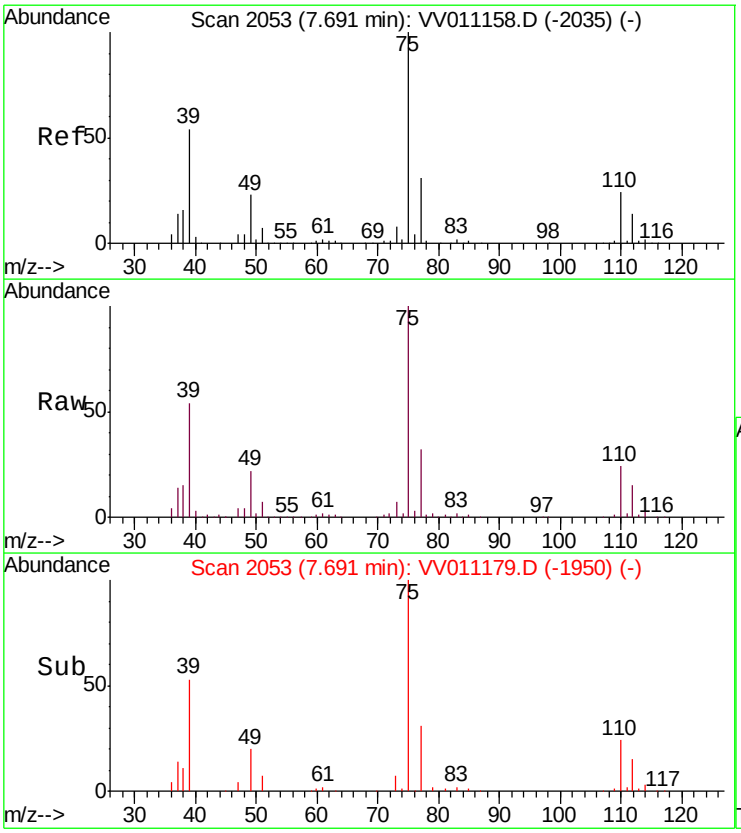

#44
Toluene
Concen: 23.835 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 91 Resp: 466293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.6 | 39.9 | 74.1 |

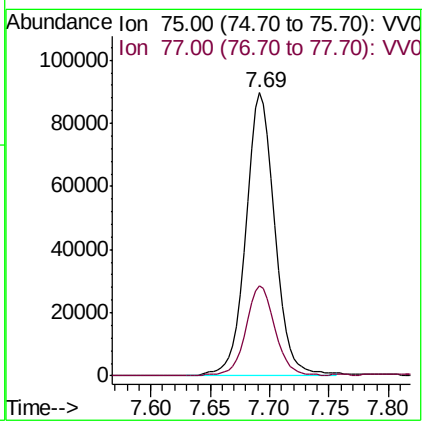


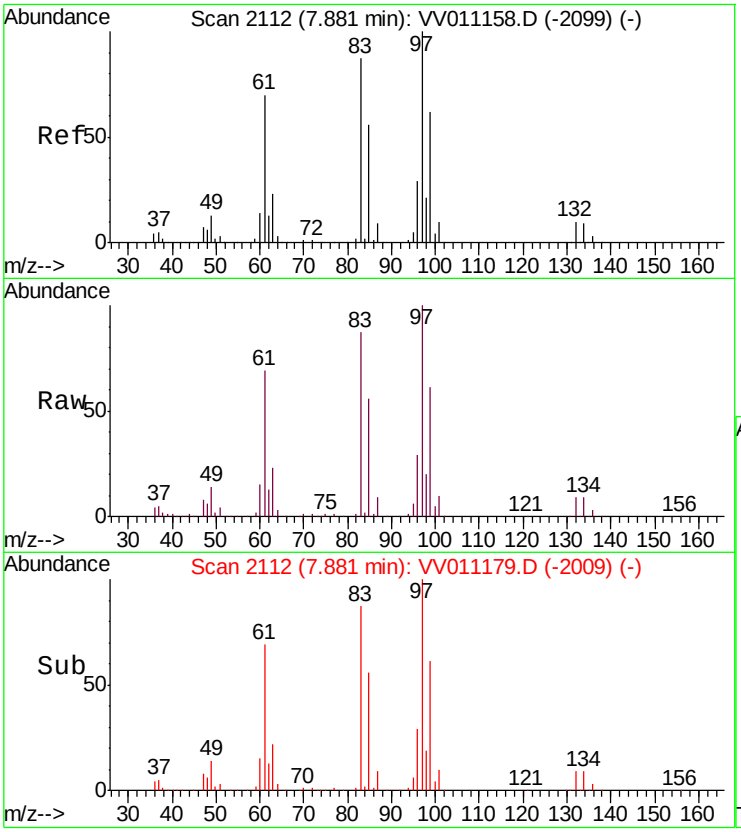




#45
trans-1,3-Dichloropropene
Concen: 23.575 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 75 Resp: 150708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 22.1 | 41.1 |



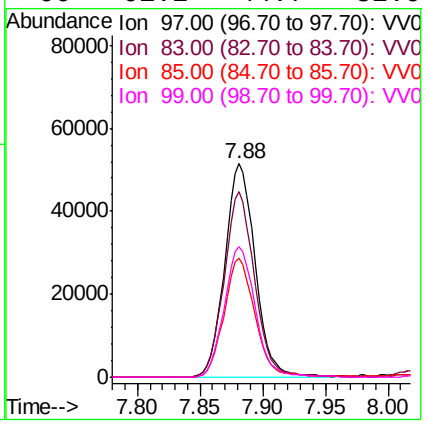


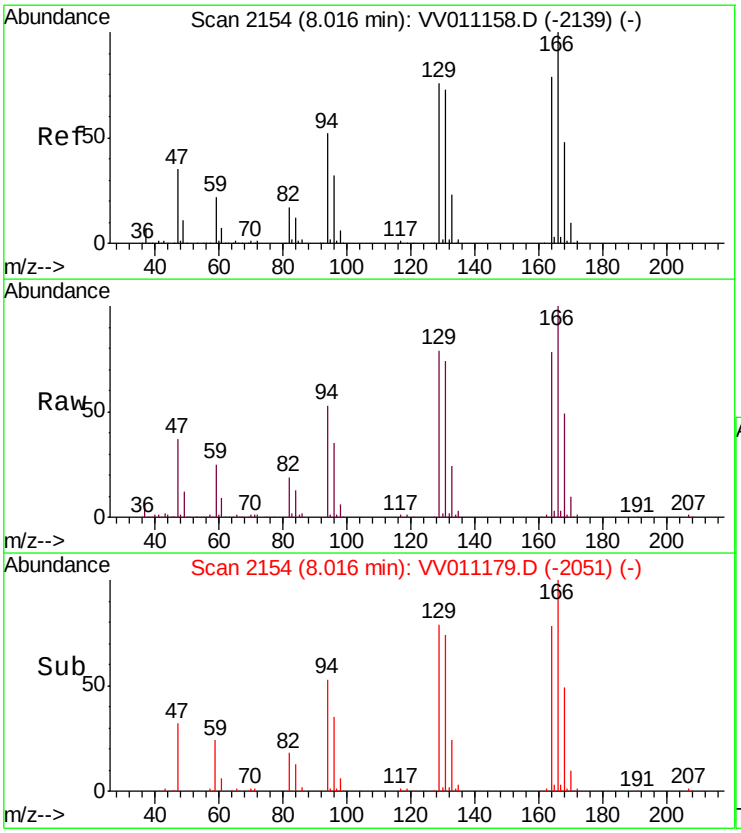

#46
1,1,2-Trichloroethane
Concen: 23.694 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 97 Resp: 87067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.7 | 61.9 | 115.1 |
| 85 | 55.8 | 38.6 | 71.8 |
| 99 | 61.2 | 44.7 | 82.9 |

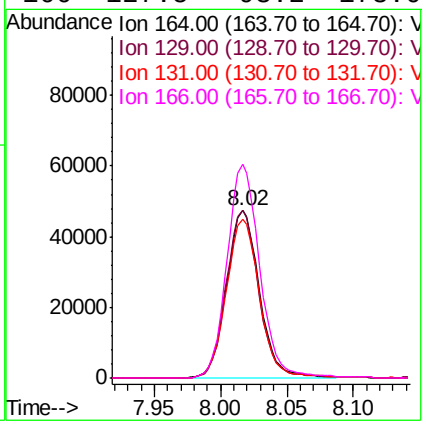


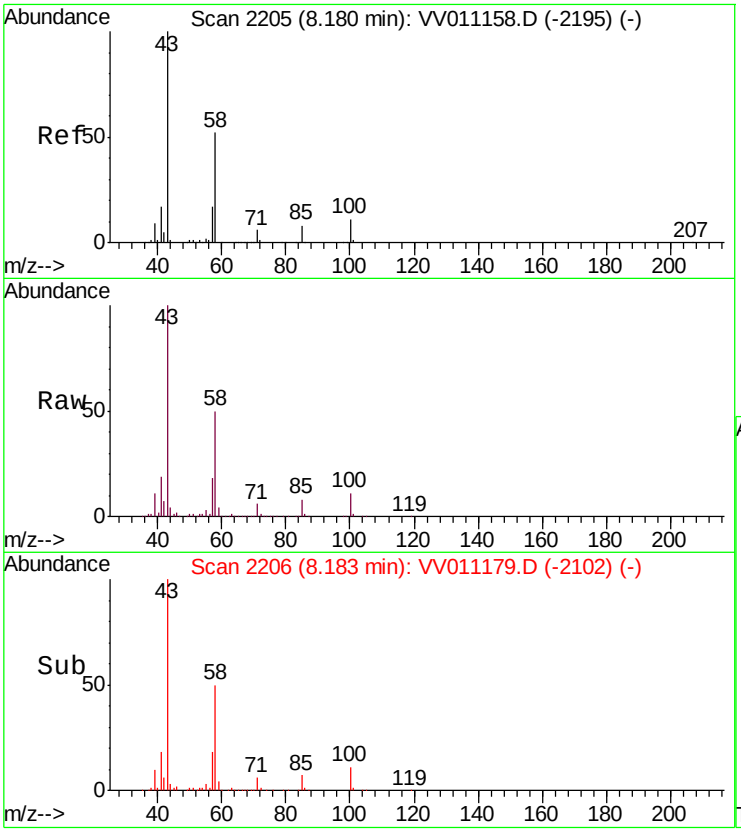




#47
Tetrachloroethene
Concen: 23.533 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:164 Resp: 81953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 100.1 | 69.1 | 128.3 |
| 131 | 94.9 | 65.5 | 121.6 |
| 166 | 127.5 | 93.2 | 173.0 |



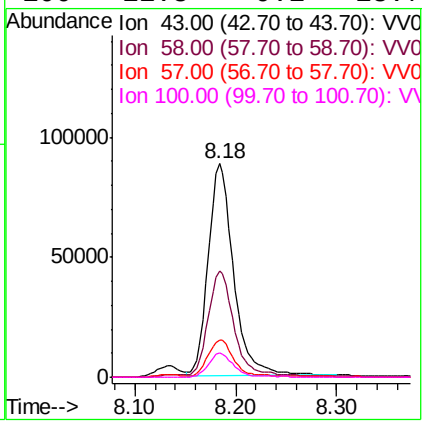


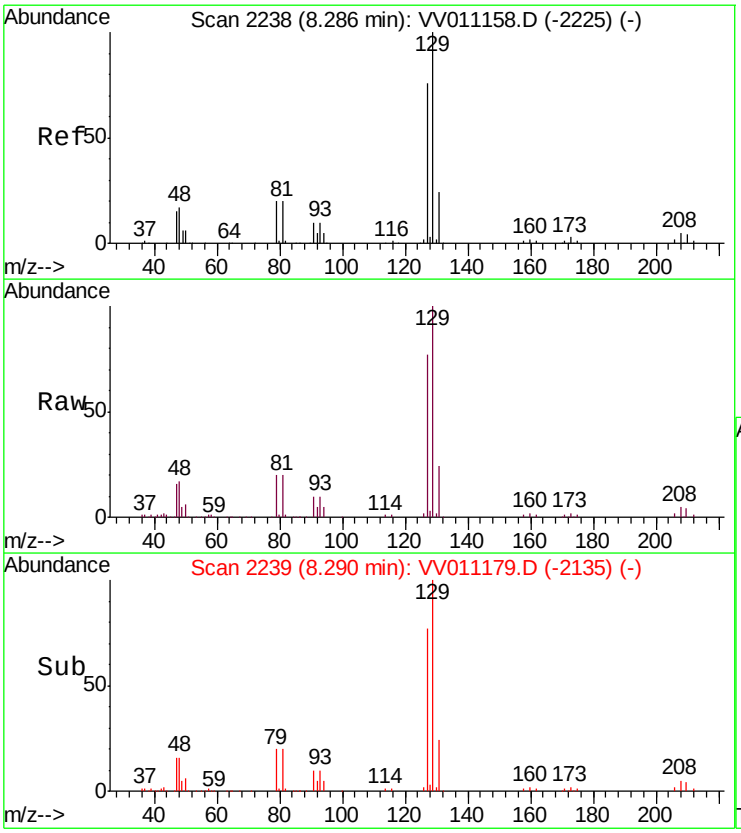

#49
2-Hexanone
Concen: 49.888 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Tgt Ion: 43 Resp: 153835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.2 | 41.2 | 61.8 |
| 57 | 17.1 | 14.3 | 21.5 |
| 100 | 11.3 | 9.1 | 13.7 |

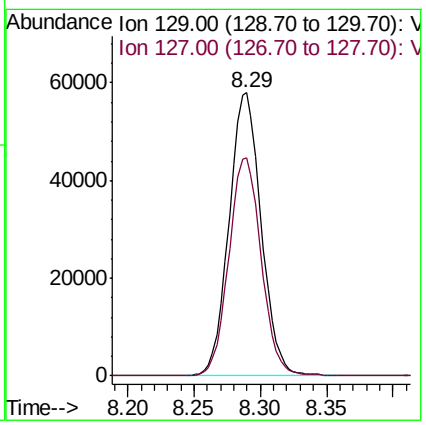


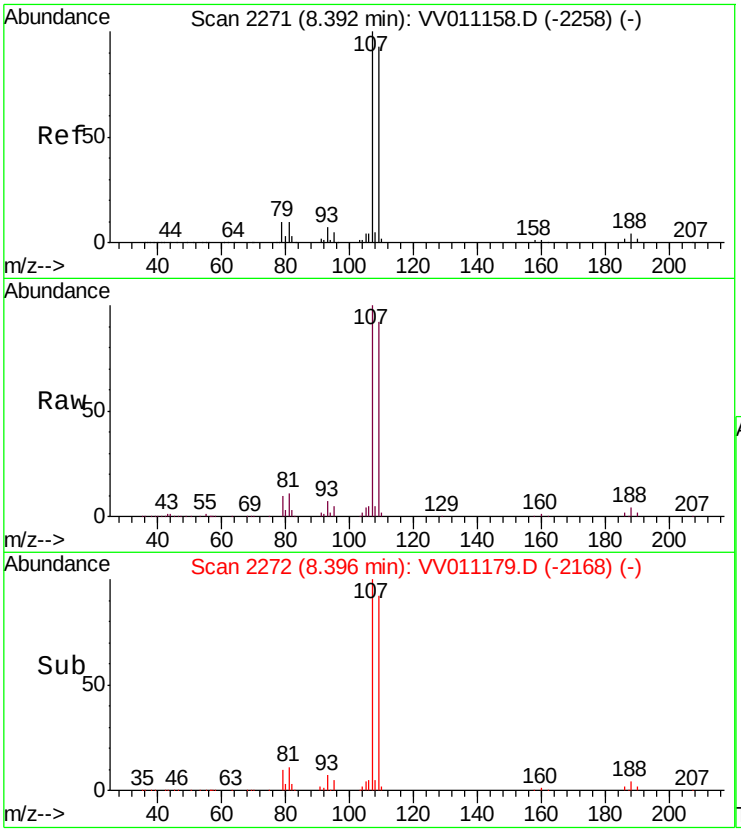




#50
Dibromochloromethane
Concen: 23.587 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:129 Resp: 97951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 53.8 | 99.8 |



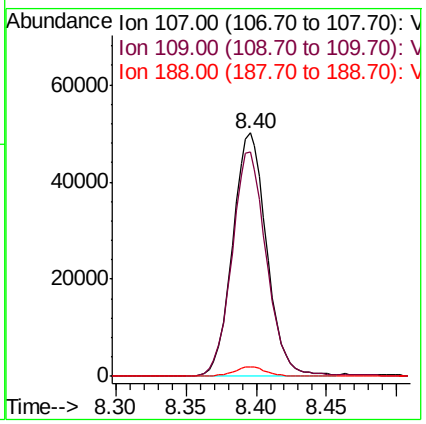


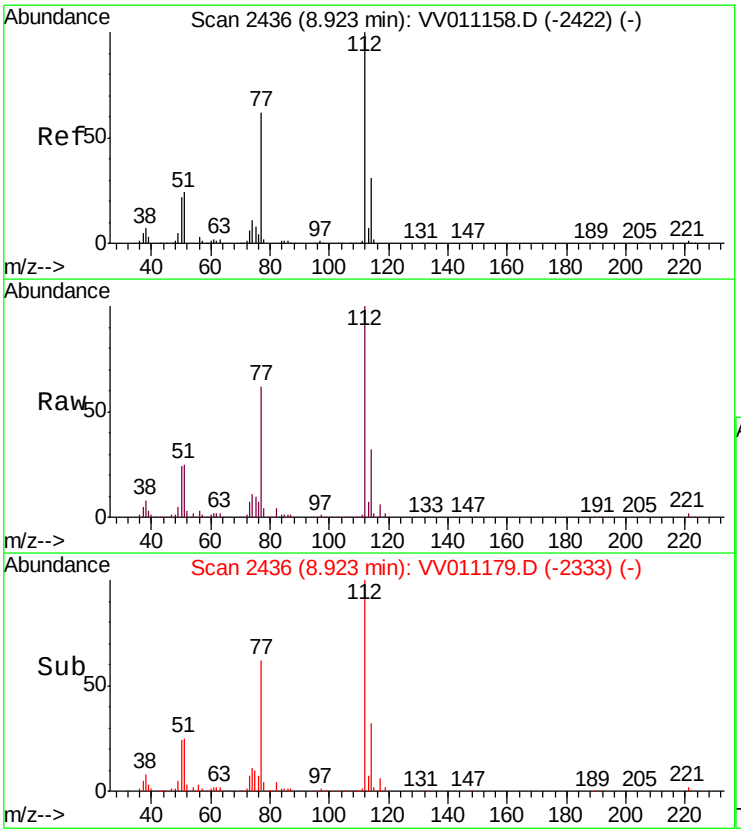

#51
1,2-Dibromoethane
Concen: 23.824 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Tgt Ion:107 Resp: 84910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.2 | 65.5 | 121.7 |
| 188 | 3.9 | 2.6 | 3.8# |

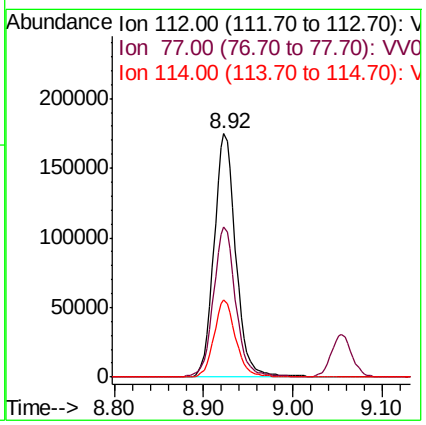


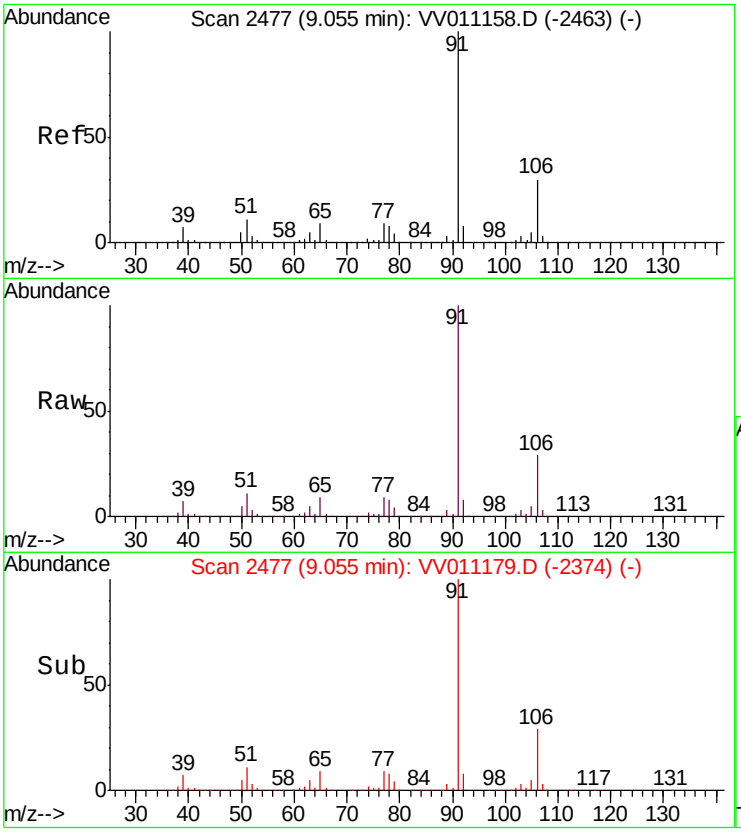




#52
Chlorobenzene
Concen: 23.547 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:112 Resp: 294877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 61.7 | 50.8 | 76.2 |
| 114 | 31.8 | 22.6 | 42.0 |



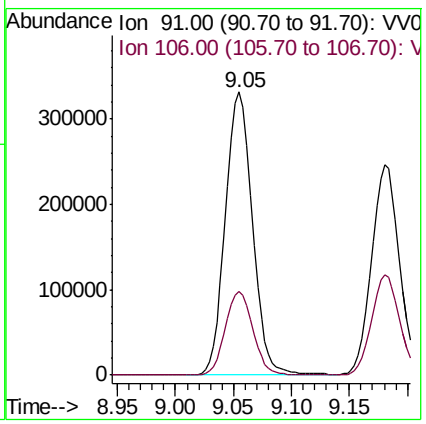


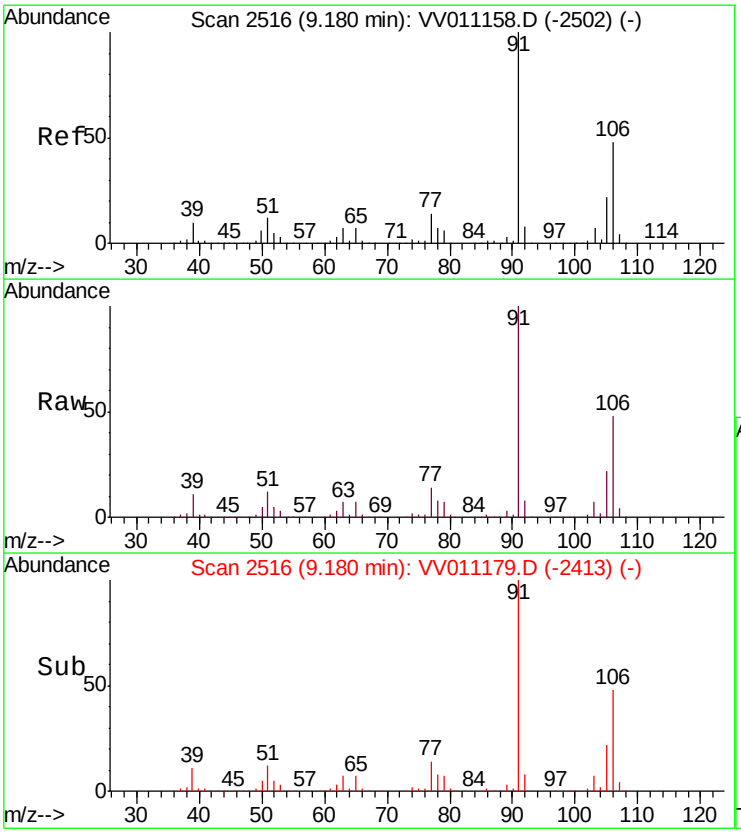

#53
Ethylbenzene
Concen: 23.902 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 91 Resp: 536540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 21.2 | 39.4 |

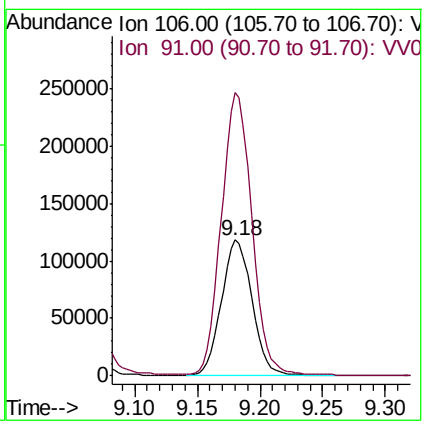


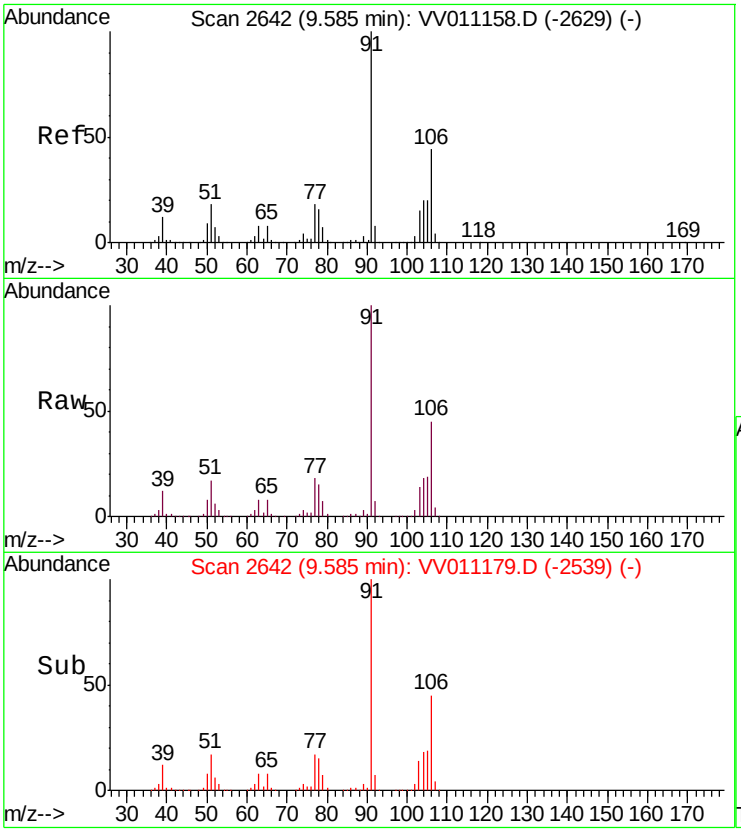




#54
m,p-Xylene
Concen: 23.939 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:106 Resp: 199875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 145.3 | 269.9 |



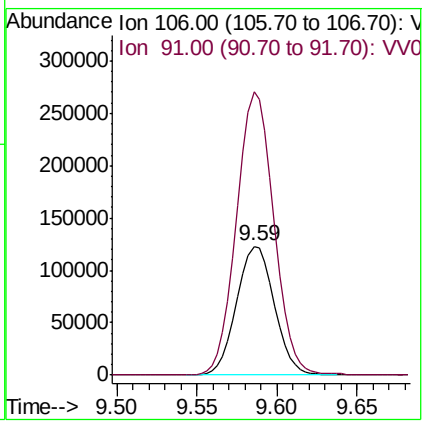


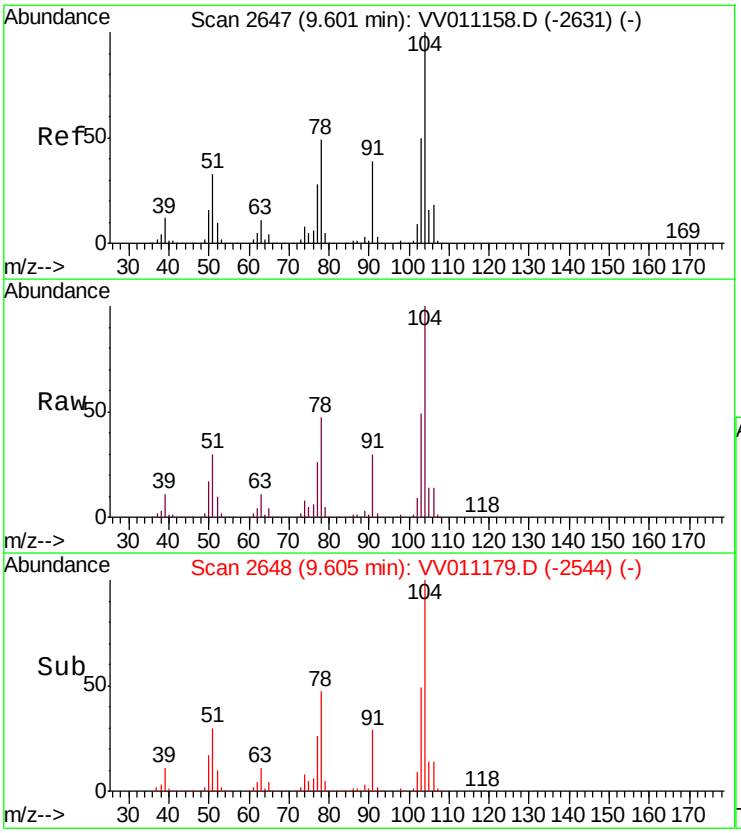

#55
o-xylene
Concen: 24.054 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion:106 Resp: 197523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.0 | 156.4 | 290.6 |

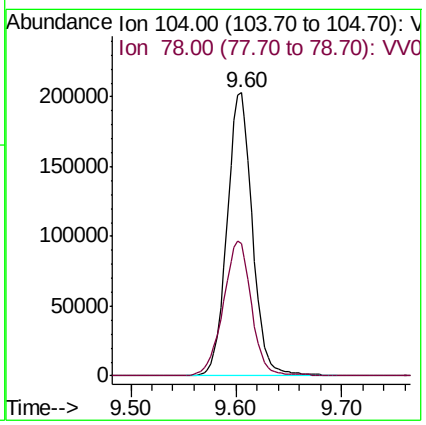


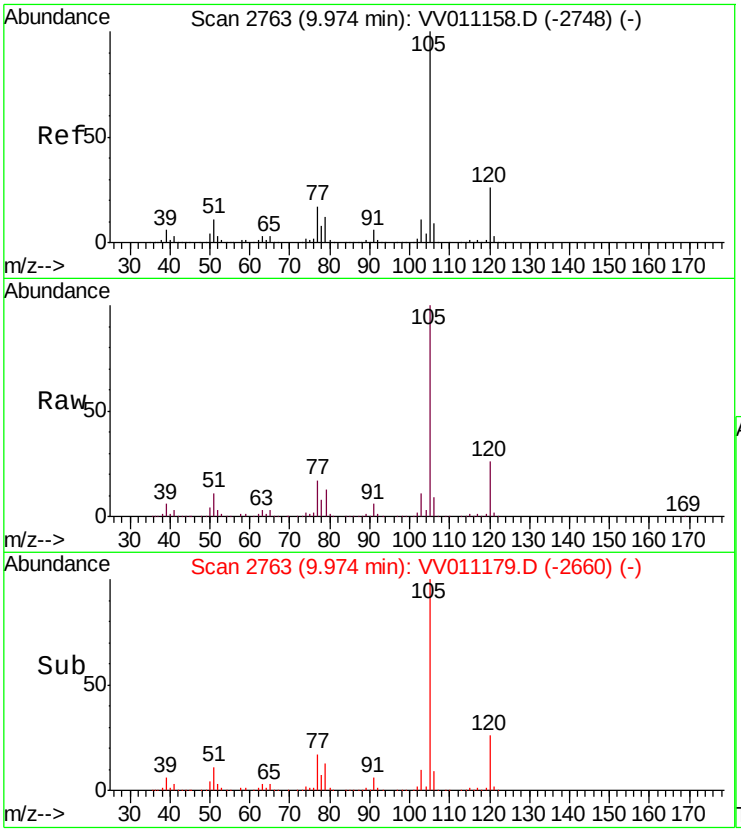




#56
Styrene
Concen: 24.439 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:104 Resp: 337099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 46.6 | 32.3 | 60.1 |



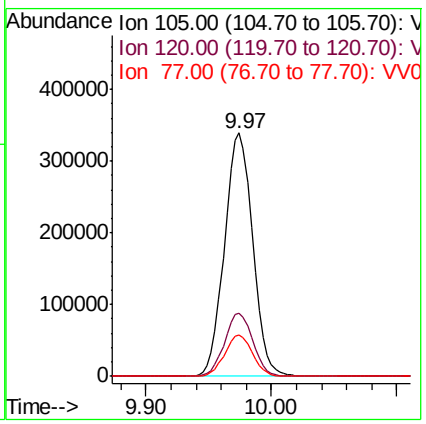


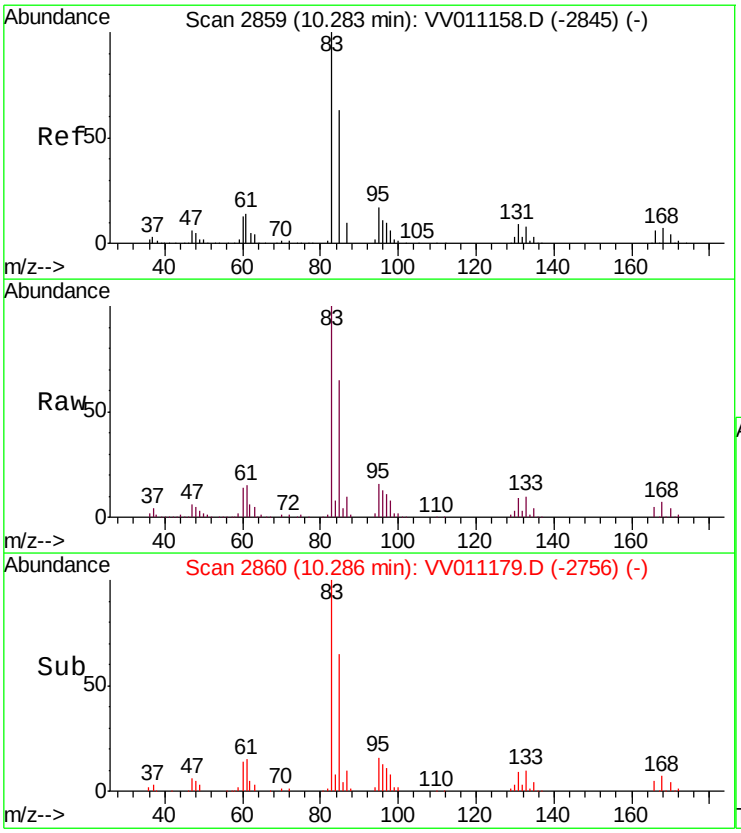

#57
Isopropylbenzene
Concen: 24.115 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion:105 Resp: 528755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 20.6 | 31.0 |
| 77 | 16.8 | 13.3 | 19.9 |

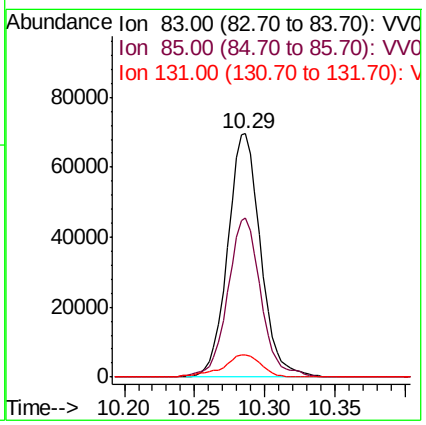


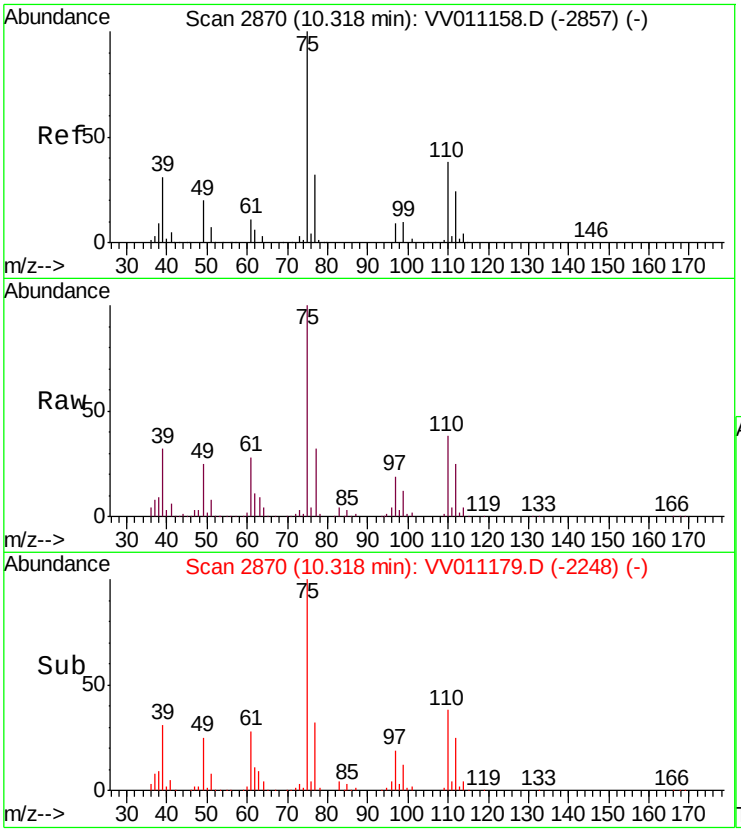




#58
1,1,2,2-Tetrachloroethane
Concen: 22.704 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 83 Resp: 113372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 44.4 | 82.4 |
| 131 | 8.9 | 7.5 | 11.3 |



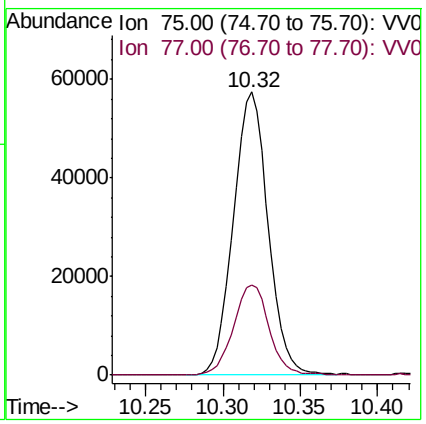


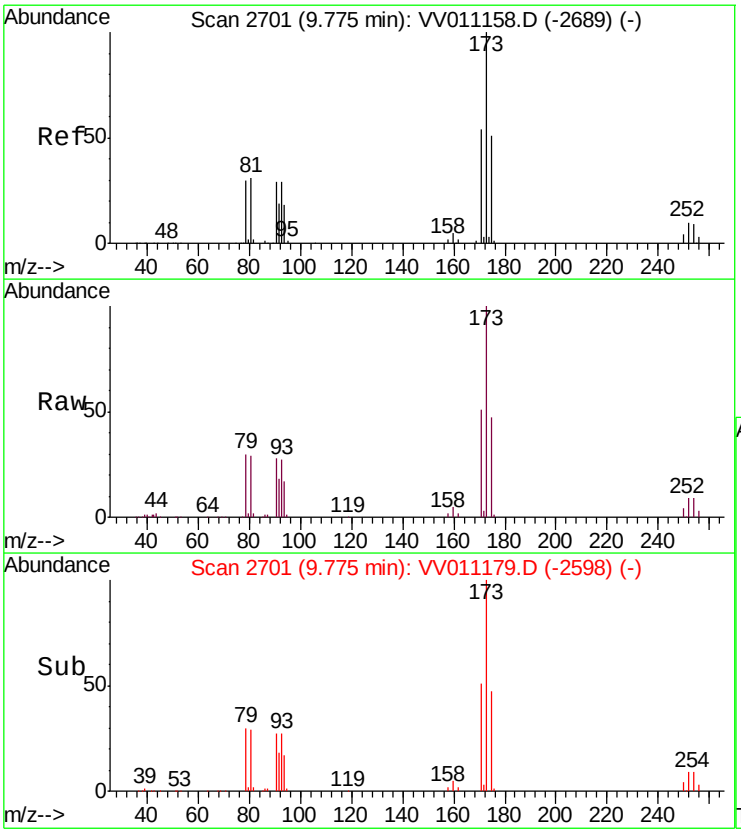

#59
1,2,3-Trichloropropane
Concen: 23.759 ug/L
RT: 10.32 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion: 75 Resp: 89708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.8 | 25.7 | 38.5 |

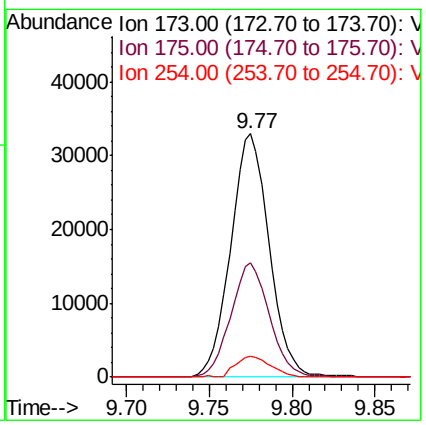


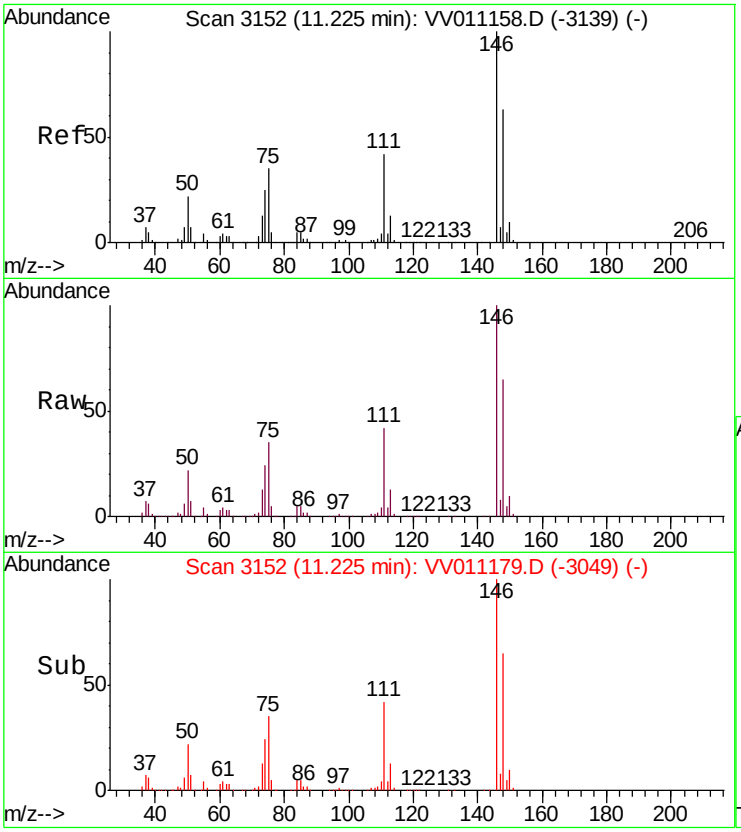




#62
Bromoform
Concen: 22.936 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:173 Resp: 53320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.9 | 38.1 | 57.1 |
| 254 | 7.8 | 6.9 | 10.3 |



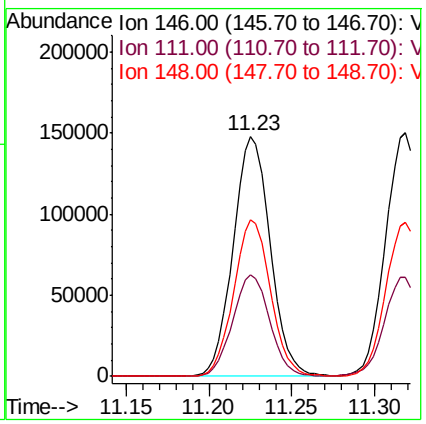


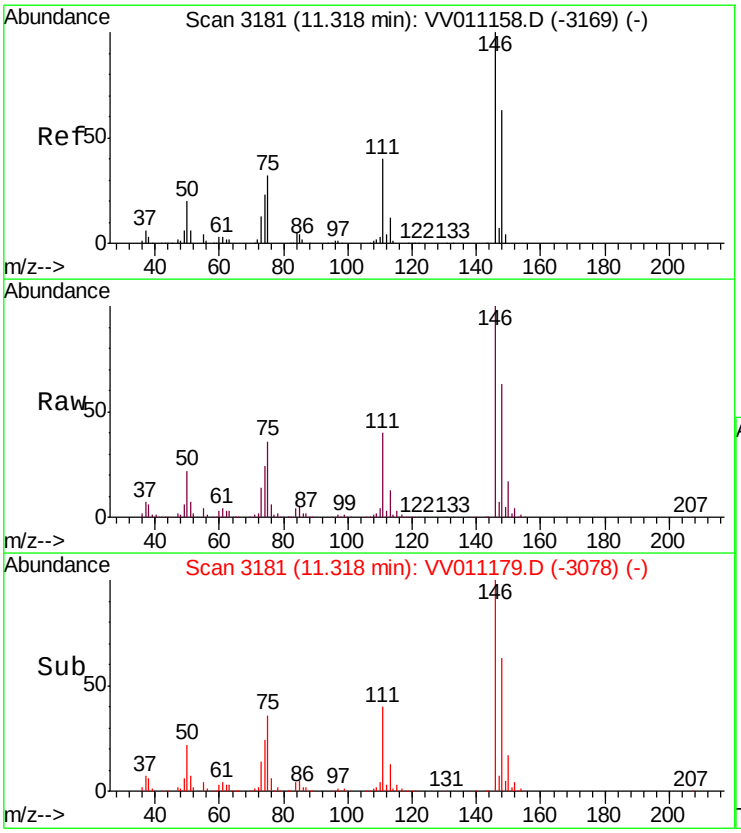

#63
1,3-Dichlorobenzene
Concen: 23.779 ug/L
RT: 11.23 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion:146 Resp: 229694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 29.9 | 55.5 |
| 148 | 65.0 | 45.4 | 84.2 |

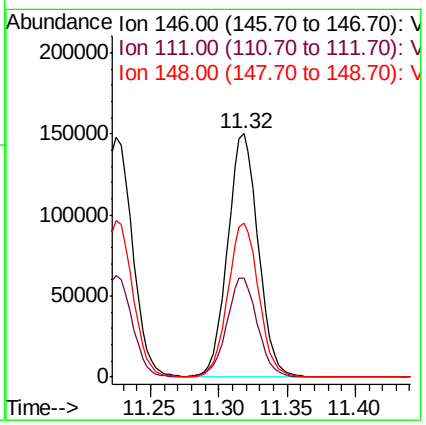


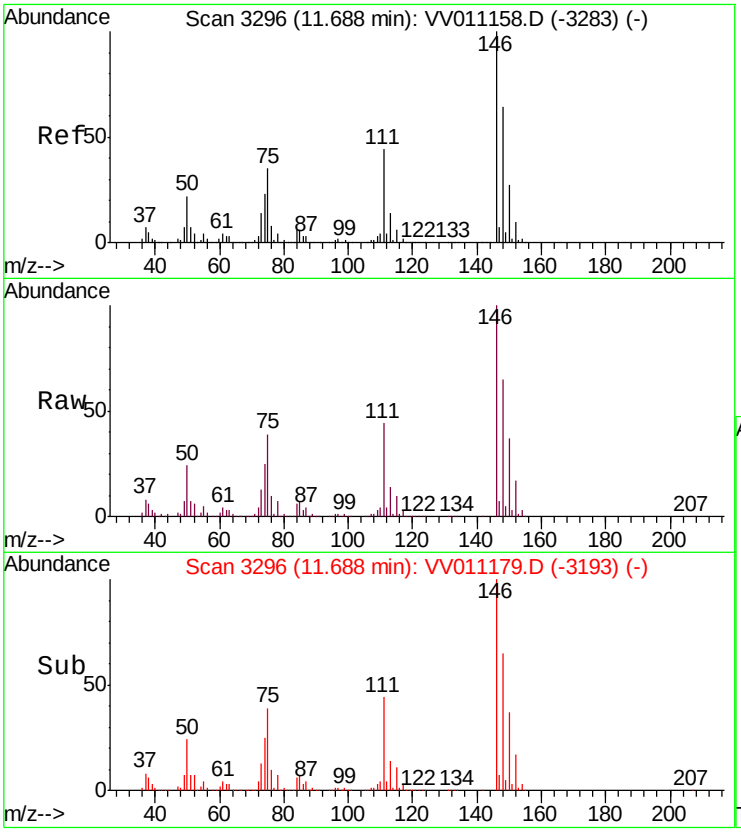




#64
1,4-Dichlorobenzene
Concen: 23.791 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:146 Resp: 233197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 27.4 | 51.0 |
| 148 | 63.3 | 43.7 | 81.1 |



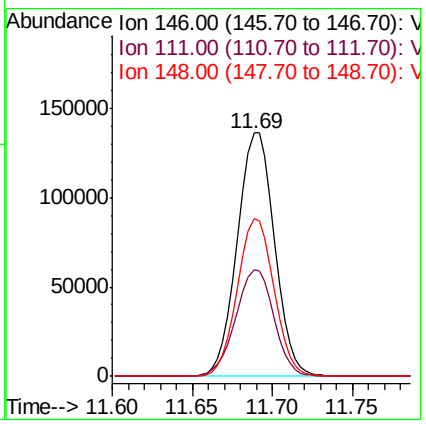


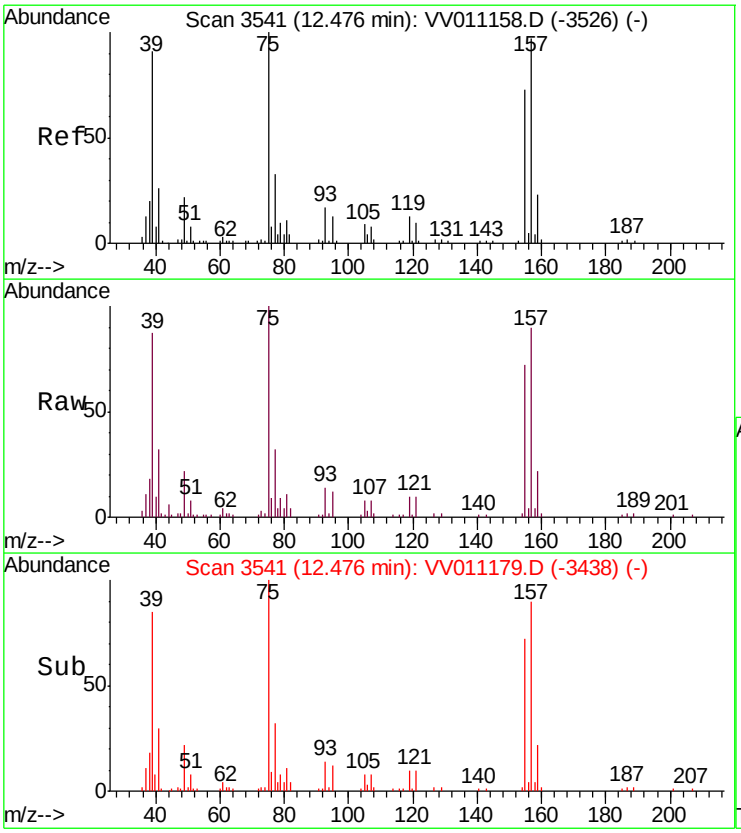

#65
1,2-Dichlorobenzene
Concen: 23.656 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD02582

Tgt Ion:146 Resp: 216348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.6 | 34.8 | 52.2 |
| 148 | 65.0 | 51.0 | 76.6 |

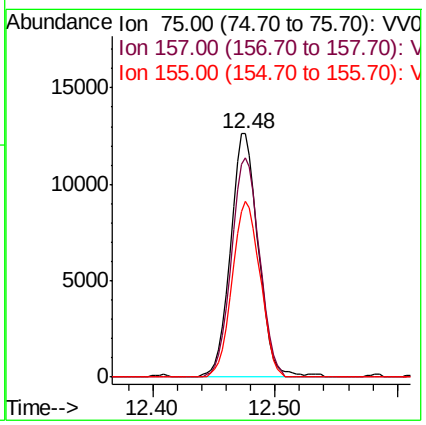


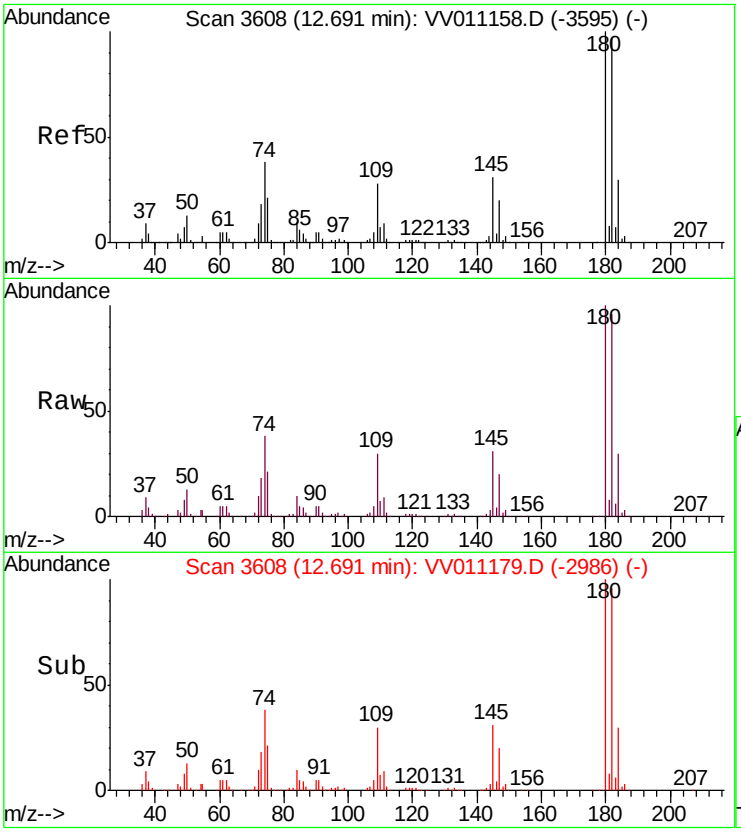




#66
1,2-Dibromo-3-chloropropane
Concen: 22.555 ug/L
RT: 12.48 min Scan# 3541
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion: 75 Resp: 20014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 157 | 90.2 | 79.6 | 119.4 |
| 155 | 72.2 | 62.4 | 93.6 |



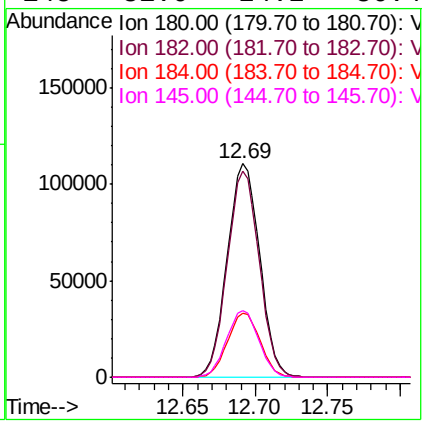


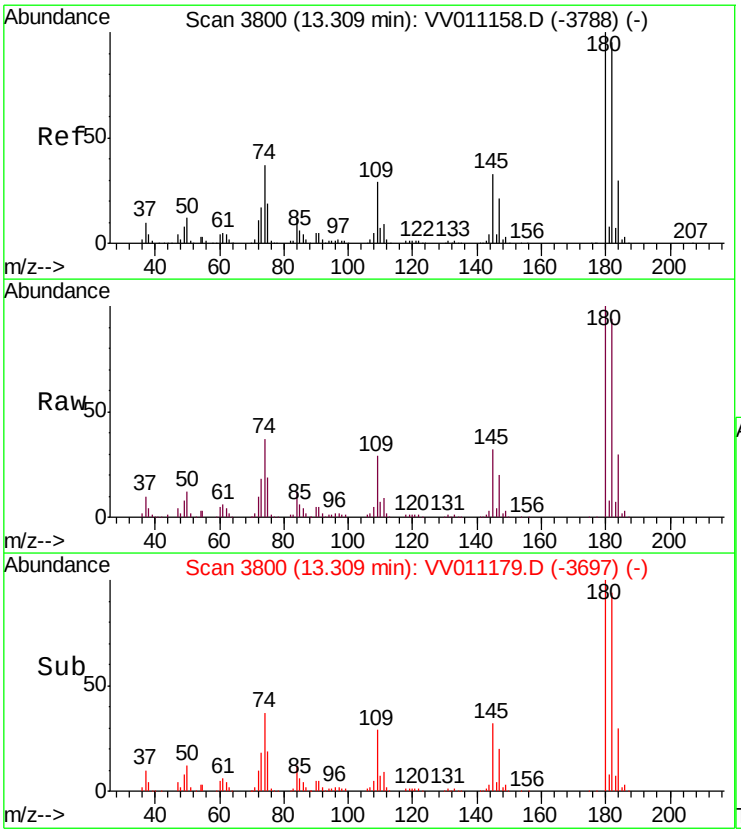

#67
1,3,5-Trichlorobenzene
Concen: 23.864 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion:180 Resp: 172309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 75.3 | 112.9 |
| 184 | 30.0 | 24.3 | 36.5 |
| 145 | 31.0 | 24.2 | 36.4 |

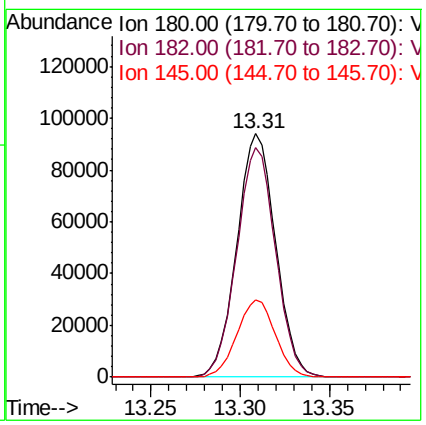


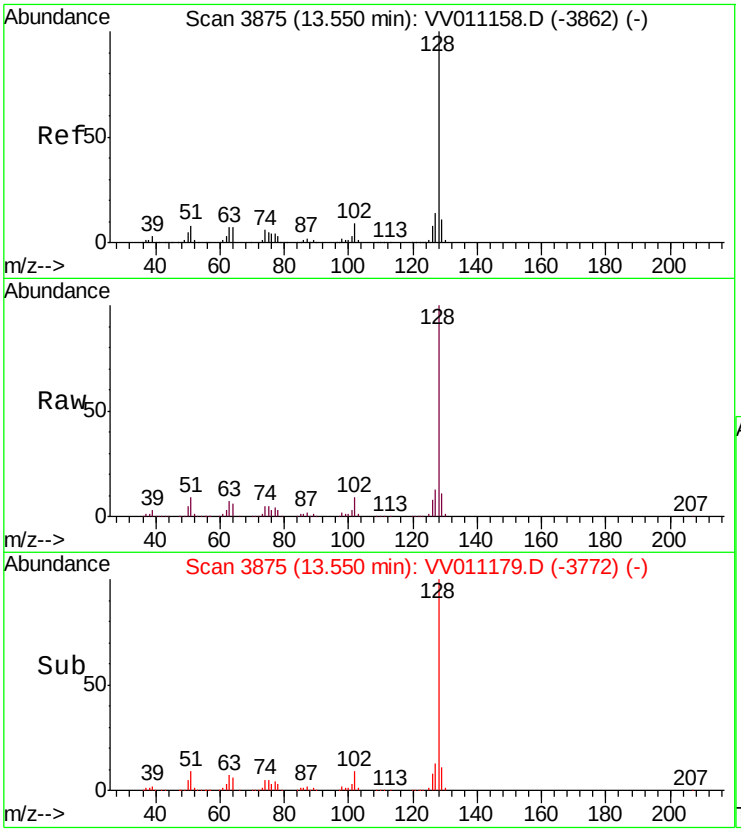




#68
1,2,4-trichlorobenzene
Concen: 24.672 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:180 Resp: 142949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 75.4 | 113.0 |
| 145 | 31.6 | 25.7 | 38.5 |



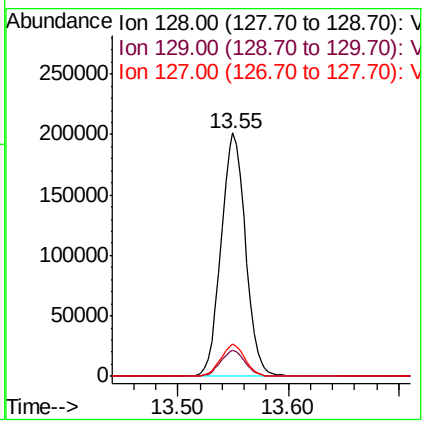


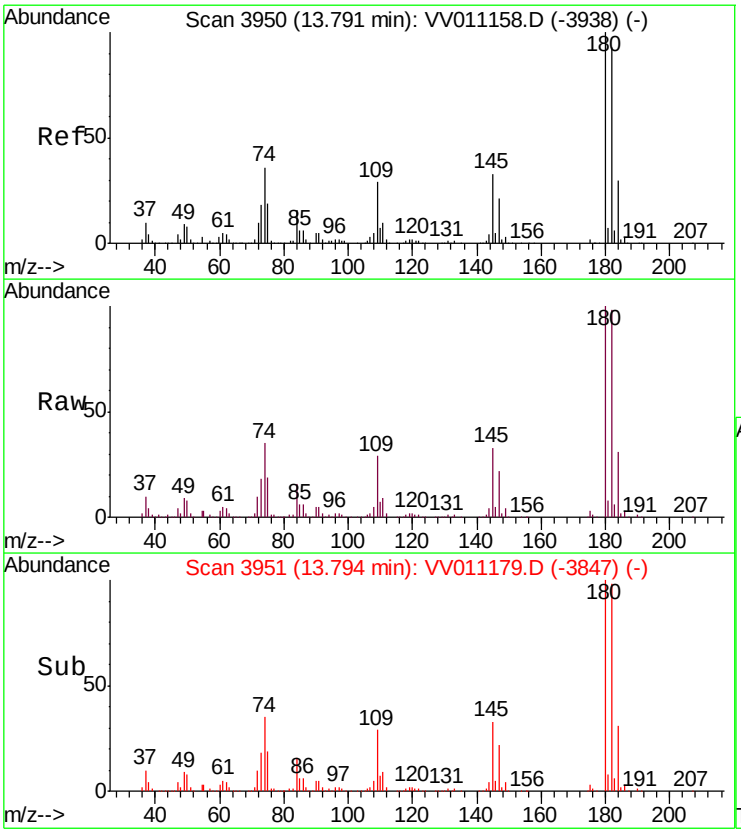

#69
Naphthalene
Concen: 25.956 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD02582

Tgt Ion:128 Resp: 309164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.6 | 13.0 |
| 127 | 13.2 | 10.6 | 16.0 |




#70
1,2,3-Trichlorobenzene
Concen: 24.869 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV011179.D
Acq: 31 May 2019 15:24

Tgt Ion:180 Resp: 133637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 77.4 | 116.0 |
| 145 | 33.8 | 27.5 | 41.3 |