Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111219\

Quantitation Report (Not Reviewed)

Data File : VY000654.D
Acq On : 12 Nov 2019 14:35
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** MDL02

Quant Time: Nov 13 03:07:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 03:04:36 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.70 | 114 | 362201 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.49 | 117 | 330994 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 153533 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.24 | 65 | 122067 | 23.86 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 95.44% | | | |
| 7) Chloroethane-d5 | 2.76 | 69 | 108710 | 23.92 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 95.68% | | | |
| 10) 1,1-Dichloroethene-d2 | 3.86 | 63 | 168703 | 17.86 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 71.44% | | | |
| 20) 2-Butanone-d5 | 6.90 | 46 | 90820 | 43.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 86.06% | | | |
| 24) Chloroform-d | 7.49 | 84 | 213986 | 22.52 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 90.08% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.16 | 65 | 126796 | 23.01 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 92.04% | | | |
| 29) Benzene-d6 | 8.12 | 84 | 451232 | 23.48 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 93.92% | | | |
| 33) 1,2-Dichloropropane-d6 | 9.13 | 67 | 144334 | 23.96 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 95.84% | | | |
| 37) Toluene-d8 | 10.18 | 98 | 420615 | 23.42 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 93.68% | | | |
| 38) trans-1,3-Dichloropropene- | 10.44 | 79 | 63062 | 22.44 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 89.76% | | | |
| 39) 2-Hexanone-d5 | 10.79 | 63 | 69108 | 42.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 84.90% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56 | 84 | 123971 | 21.16 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 84.64% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.72 | 152 | 144281 | 23.50 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 94.00% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.90 | 85 | 6054 | 1.265 | ug/L | 99 |
| 3) Chloromethane | 2.11 | 50 | 7277 | 1.213 | ug/L | 97 |
| 5) Vinyl chloride | 2.25 | 62 | 7192 | 1.201 | ug/L # | 62 |
| 6) Bromomethane | 2.66 | 94 | 4268 | 1.305 | ug/L | 98 |
| 8) Chloroethane | 2.80 | 64 | 4154 | 1.106 | ug/L # | 72 |
| 9) Trichlorofluoromethane | 3.13 | 101 | 10163 | 1.198 | ug/L | 96 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 3.90 | 101 | 4293 | 0.892 | ug/L # | 53 |
| 12) 1,1-Dichloroethene | 3.88 | 96 | 6344 | 1.351 | ug/L # | 1 |
| 13) Acetone | 3.96 | 43 | 5225 | 3.384 | ug/L | 83 |
| 14) Carbon disulfide | 4.19 | 76 | 15507 | 1.070 | ug/L # | 85 |
| 16) Methylene chloride | 4.73 | 84 | 13100 | 2.191 | ug/L | 89 |
| 17) Methyl tert-butyl Ether | 5.22 | 73 | 9797 | 0.686 | ug/L # | 81 |
| 18) trans-1,2-Dichloroethene | 5.22 | 96 | 4315 | 0.823 | ug/L | 90 |
| 19) 1,1-Dichloroethane | 6.03 | 63 | 10479 | 1.135 | ug/L | 93 |
| 21) 2-Butanone | 7.00 | 43 | 7856 | 2.888 | ug/L # | 72 |
| 22) cis-1,2-Dichloroethene | 7.00 | 96 | 6371 | 1.098 | ug/L # | 70 |
| 23) Bromochloromethane | 7.34 | 128 | 2759 | 1.089 | ug/L | 83 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111219\

Quantitation Report (Not Reviewed)

Data File : VY000654.D
Acq On : 12 Nov 2019 14:35
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** MDL02

Quant Time: Nov 13 03:07:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 03:04:36 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 25) Chloroform | 7.51 | 83 | 18276 | 1.837 ug/L | | 78 |
| 27) 1,2-Dichloroethane | 8.24 | 62 | 8361 | 1.257 ug/L | | 95 |
| 30) Cyclohexane | 7.79 | 56 | 6525 | 0.722 ug/L | # | 88 |
| 31) 1,1,1-Trichloroethane | 7.71 | 97 | 9542 | 1.170 ug/L | # | 87 |
| 32) Carbon tetrachloride | 7.90 | 117 | 4369 | 0.615 ug/L | # | 8 |
| 34) Benzene | 8.17 | 78 | 25681 | 1.187 ug/L | | 100 |
| 35) Trichloroethene | 8.94 | 95 | 7056 | 1.244 ug/L | | 96 |
| 36) Methylcyclohexane | 9.19 | 83 | 9535 | 0.982 ug/L | | 91 |
| 40) 1,2-Dichloropropane | 9.22 | 63 | 6365 | 1.161 ug/L | # | 96 |
| 41) Bromodichloromethane | 9.50 | 83 | 7755 | 1.099 ug/L | # | 89 |
| 42) cis-1,3-Dichloropropene | 9.92 | 75 | 9214 | 1.043 ug/L | | 93 |
| 44) Toluene | 10.25 | 91 | 29012 | 1.240 ug/L | | 99 |
| 45) trans-1,3-Dichloropropene | 10.47 | 75 | 11847 | 1.561 ug/L | | 99 |
| 46) 1,1,2-Trichloroethane | 10.64 | 97 | 5160 | 1.147 ug/L | # | 85 |
| 47) Tetrachloroethene | 10.72 | 164 | 5065 | 1.195 ug/L | | 86 |
| 49) 2-Hexanone | 10.83 | 43 | 10589 | 2.592 ug/L | | 97 |
| 50) Dibromochloromethane | 10.99 | 129 | 5854 | 1.152 ug/L | | 87 |
| 51) 1,2-Dibromoethane | 11.09 | 107 | 4701 | 1.074 ug/L | | 98 |
| 52) Chlorobenzene | 11.52 | 112 | 16889 | 1.138 ug/L | | 95 |
| 53) Ethylbenzene | 11.59 | 91 | 30764 | 1.162 ug/L | | 92 |
| 54) m,p-Xylene | 11.70 | 106 | 11932 | 1.191 ug/L | | 100 |
| 55) o-xylene | 12.03 | 106 | 10669 | 1.085 ug/L | | 77 |
| 56) Styrene | 12.05 | 104 | 16359 | 1.002 ug/L | | 96 |
| 57) Isopropylbenzene | 12.33 | 105 | 26981 | 1.055 ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 12.58 | 83 | 6845 | 1.220 ug/L | # | 98 |
| 59) 1,2,3-Trichloropropane | 12.63 | 75 | 5552 | 1.217 ug/L | | 94 |
| 62) Bromoform | 12.20 | 173 | 3240 | 1.111 ug/L | # | 38 |
| 63) 1,3-Dichlorobenzene | 13.36 | 146 | 12700 | 1.160 ug/L | | 98 |
| 64) 1,4-Dichlorobenzene | 13.44 | 146 | 13963 | 1.276 ug/L | | 94 |
| 65) 1,2-Dichlorobenzene | 13.74 | 146 | 12374 | 1.220 ug/L | # | 81 |
| 66) 1,2-Dibromo-3-chloropropan | 14.36 | 75 | 1324 | 1.374 ug/L | # | 91 |
| 67) 1,3,5-Trichlorobenzene | 14.50 | 180 | 9048 | 1.185 ug/L | | 92 |
| 68) 1,2,4-trichlorobenzene | 15.00 | 180 | 8457 | 1.239 ug/L | | 98 |
| 69) Naphthalene | 15.23 | 128 | 19528 | 1.148 ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 15.42 | 180 | 7951 | 1.253 ug/L | # | 85 |

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

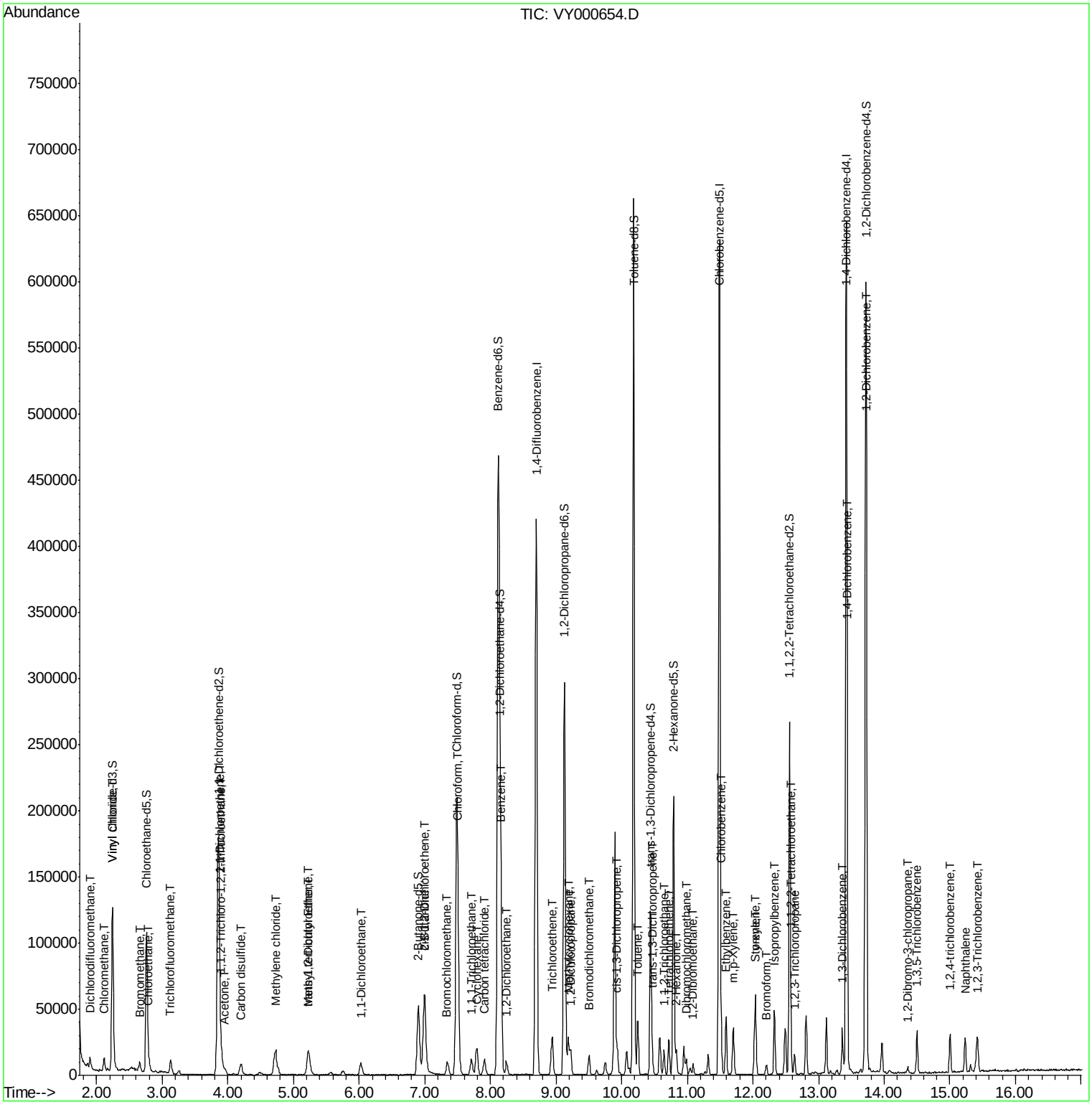
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111219\

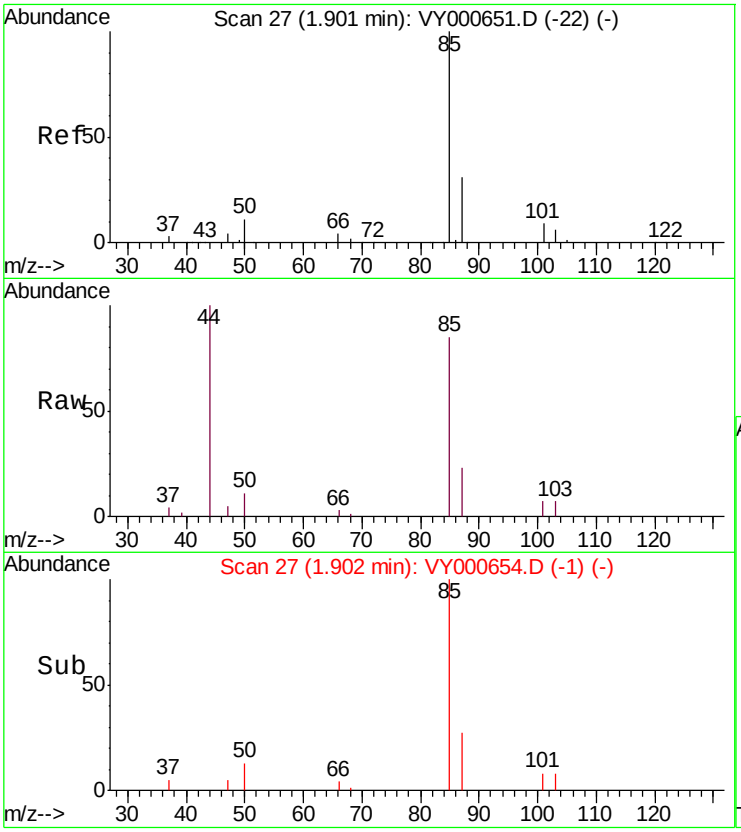
Quantitation Report (Not Reviewed)

Data File : VY000654.D
Acq On : 12 Nov 2019 14:35
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Quant Time: Nov 13 03:07:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 03:04:36 2019
Response via : Initial Calibration



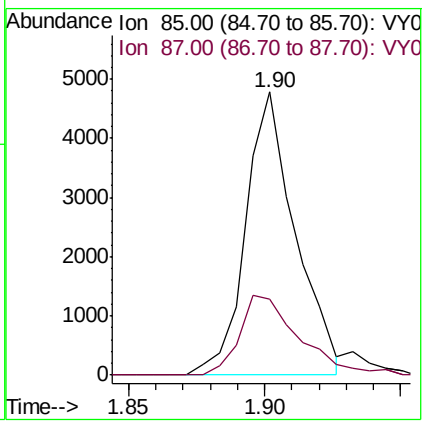


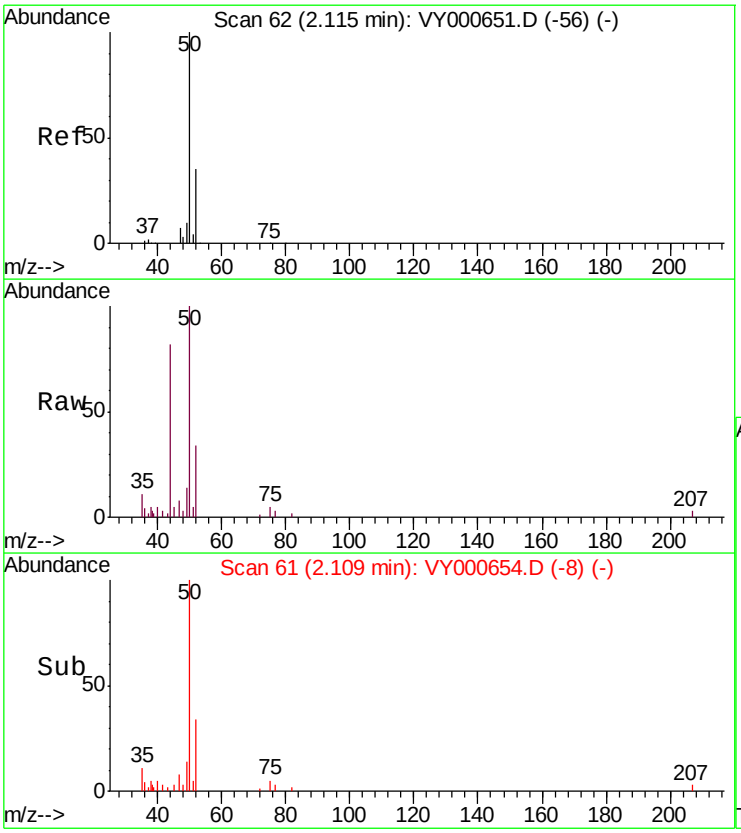

#2
Dichlorodifluoromethane
Concen: 1.265 ug/L
RT: 1.90 min Scan# 27
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 85 Resp: 6054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.2 | 22.7 | 42.1 |

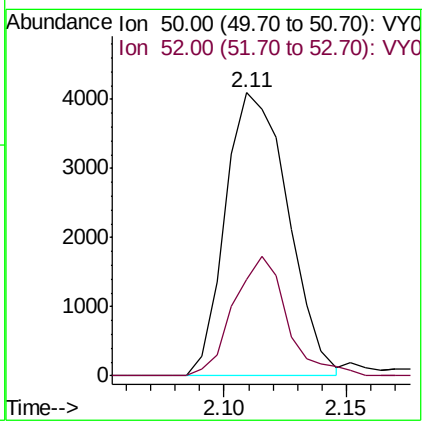


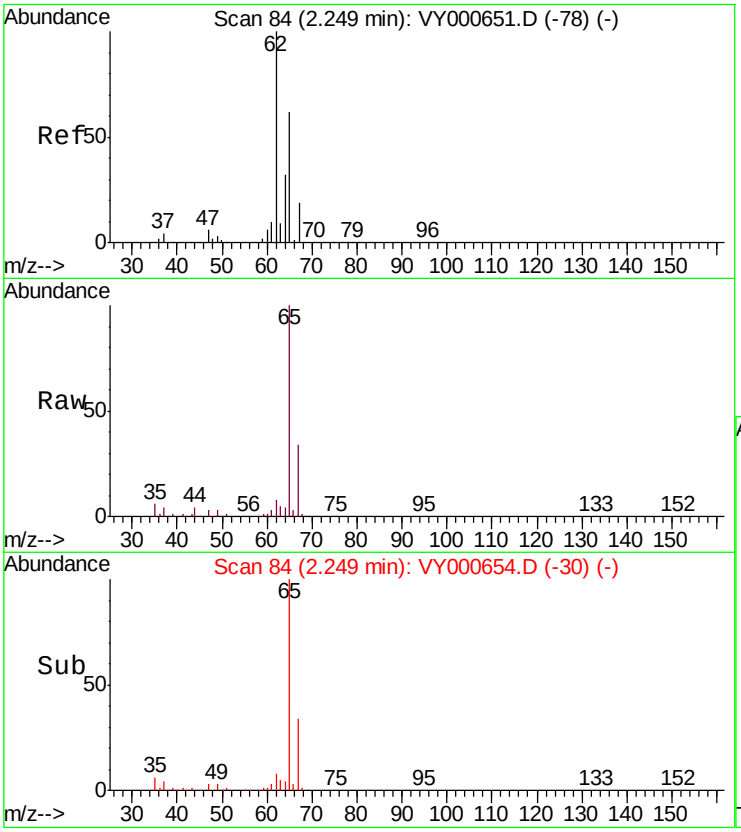




#3
Chloromethane
Concen: 1.213 ug/L
RT: 2.11 min Scan# 61
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 50 Resp: 7277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.0 | 24.9 | 46.3 |



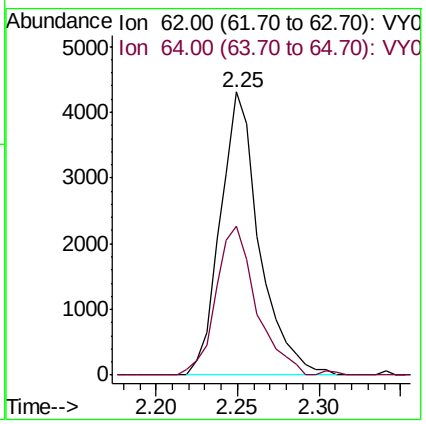


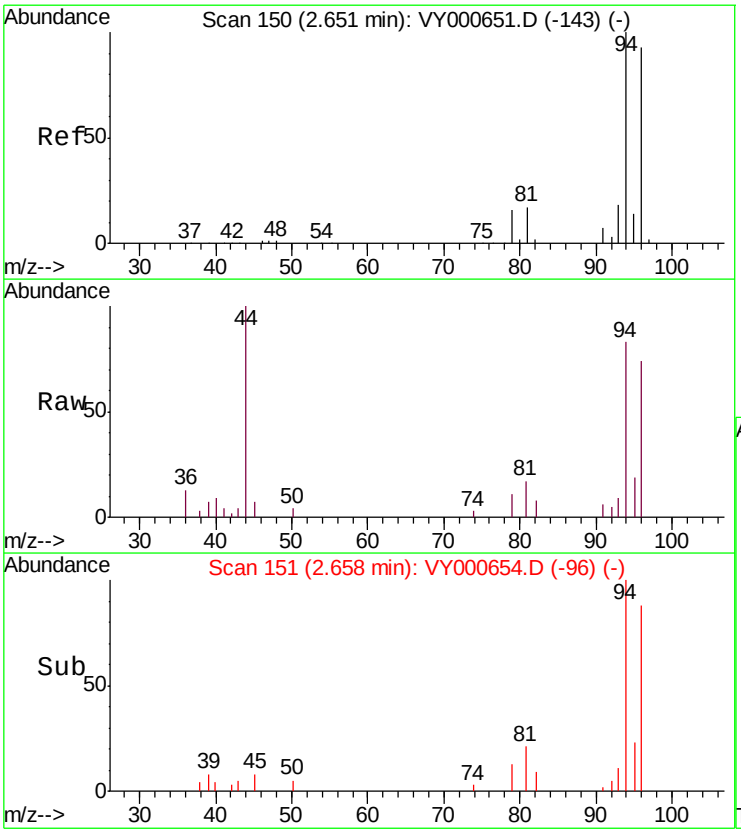

#5
Vinyl chloride
Concen: 1.201 ug/L
RT: 2.25 min Scan# 84
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 62 Resp: 7192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 52.7 | 22.0 | 40.8# |

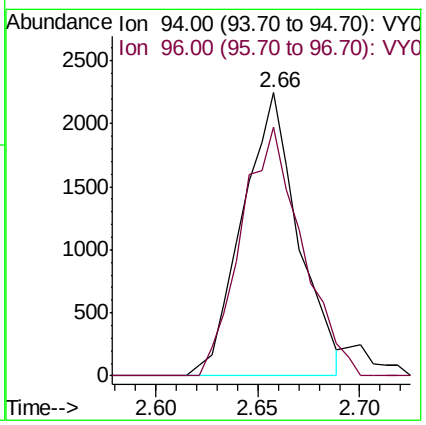


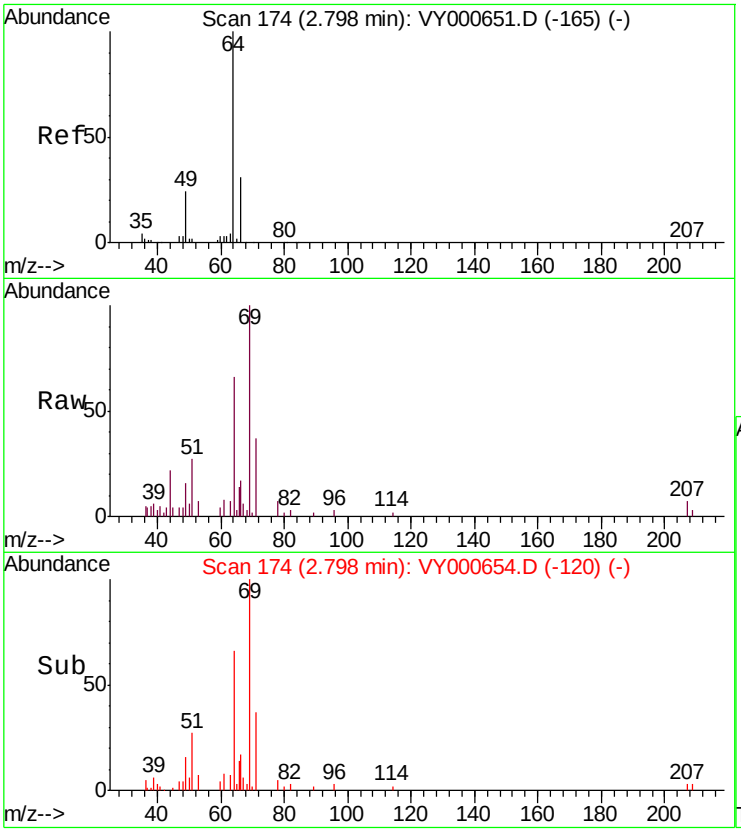




#6
Bromomethane
Concen: 1.305 ug/L
RT: 2.66 min Scan# 151
Delta R.T. 0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 94 Resp: 4268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.9 | 9.8 | 185.6 |



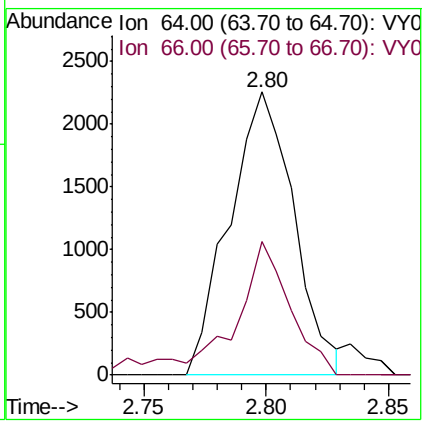


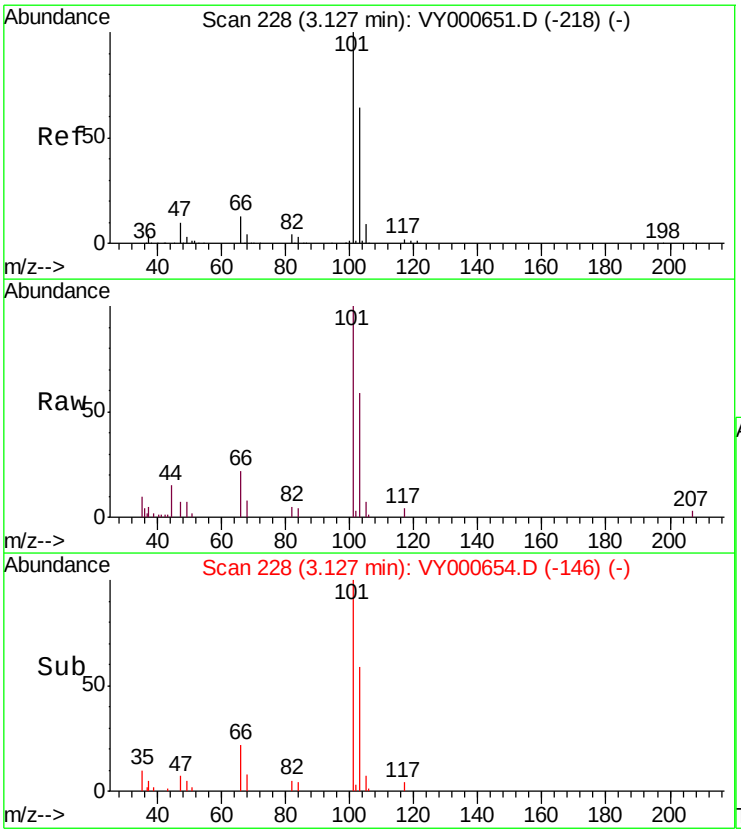

#8
Chloroethane
Concen: 1.106 ug/L
RT: 2.80 min Scan# 174
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 64 Resp: 4154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 47.0 | 22.2 | 41.2# |

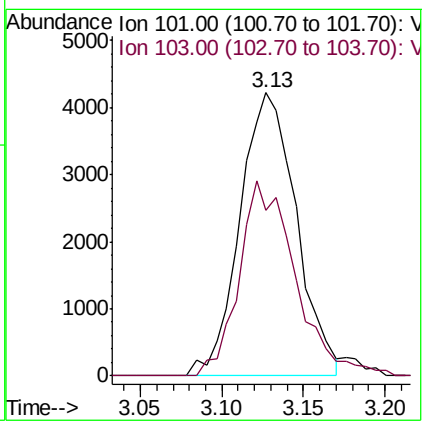


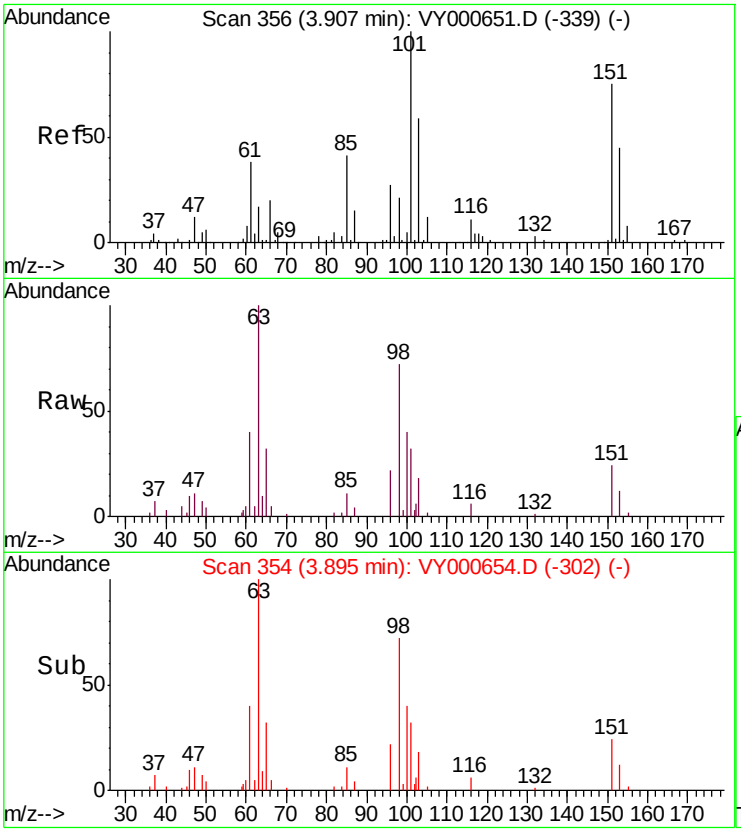




#9
Trichlorofluoromethane
Concen: 1.198 ug/L
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:101 Resp: 10163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 68.4 | 45.8 | 85.0 |



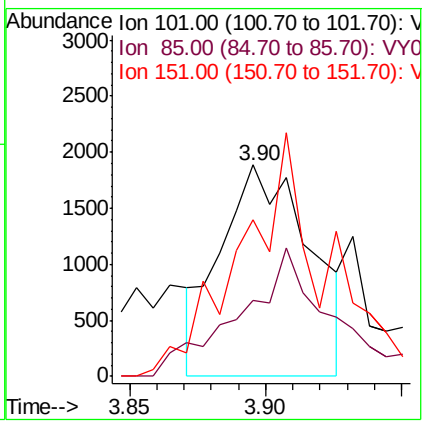


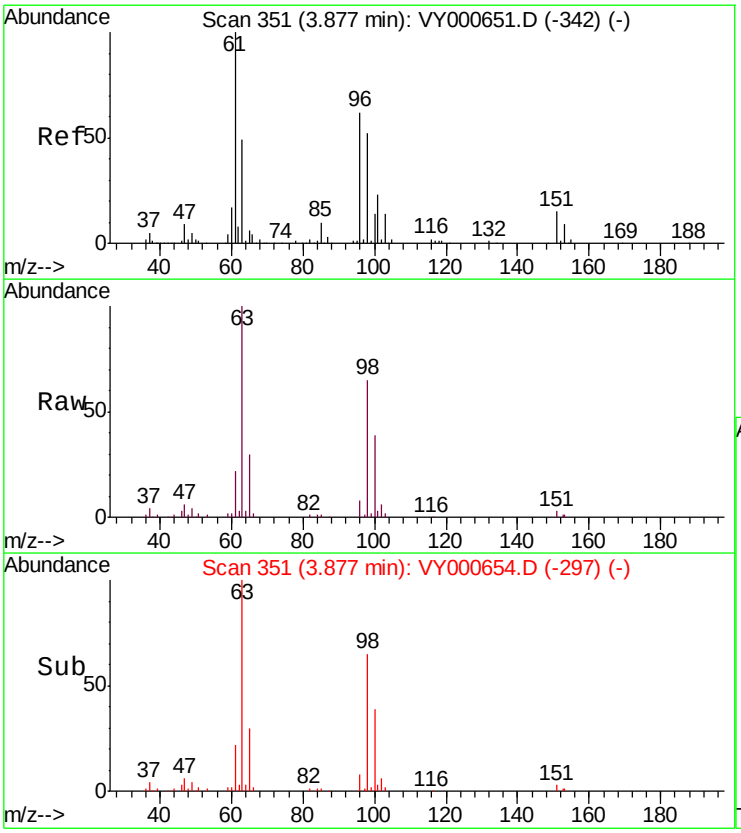

#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.892 ug/L
RT: 3.90 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:101 Resp: 4293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.3 | 52.9# |
| 151 | 47.4 | 61.9 | 92.9# |

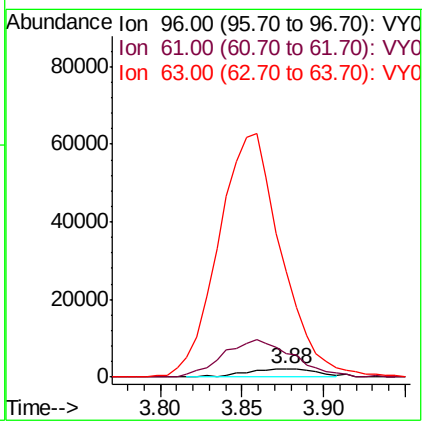


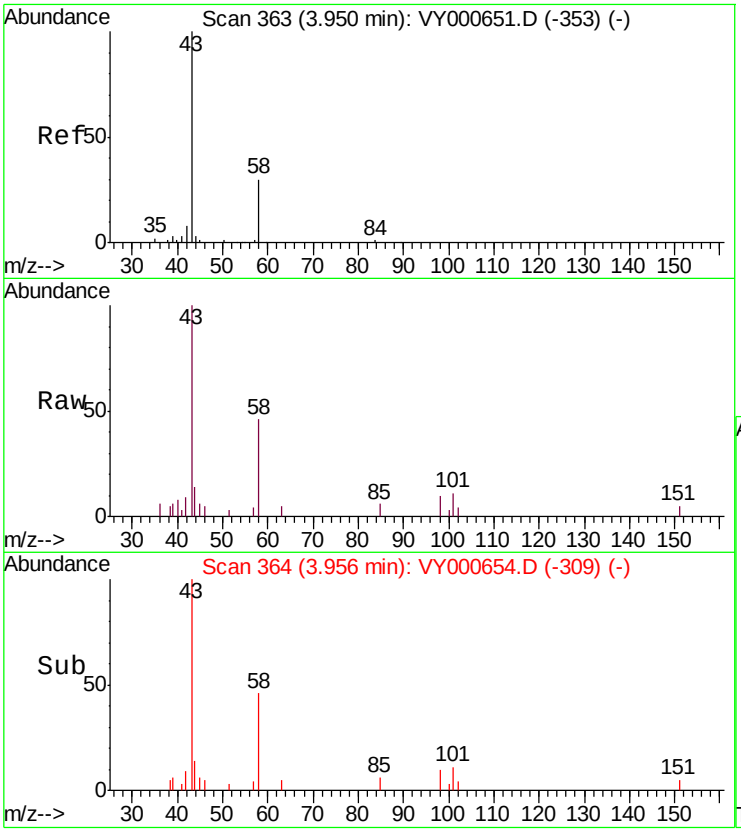




#12
1,1-Dichloroethene
Concen: 1.351 ug/L
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 96 Resp: 6344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 284.7 | 113.5 | 210.9# |
| 63 | 1277.2 | 94.3 | 175.1# |



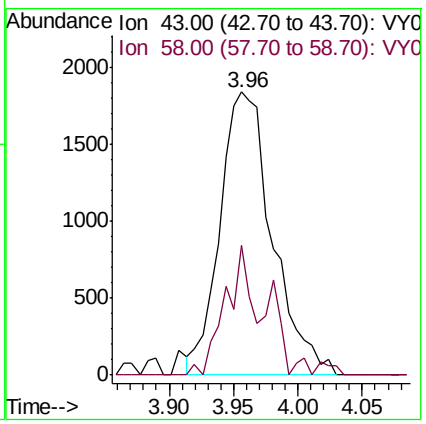


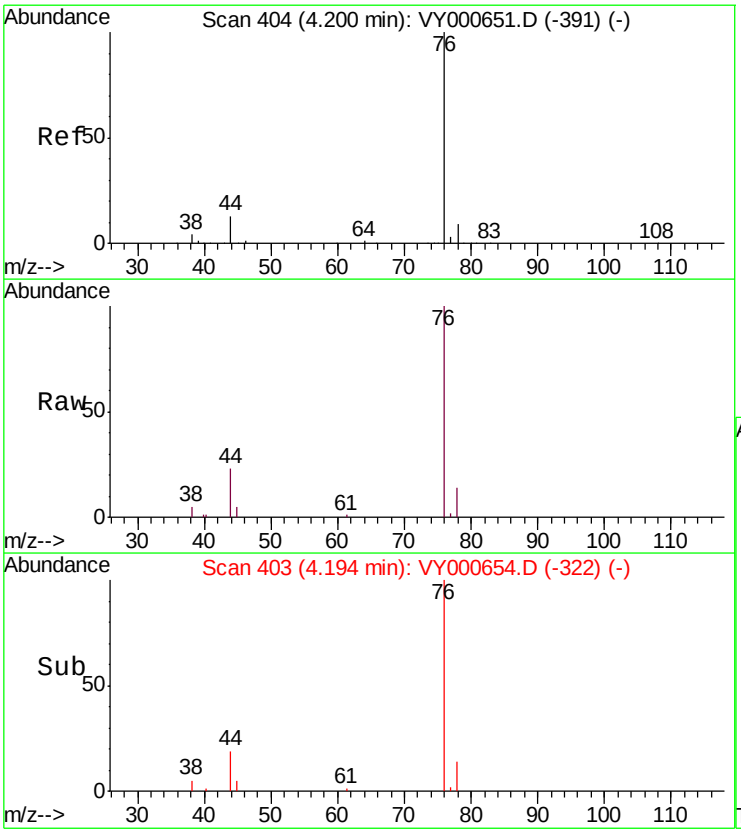

#13
Acetone
Concen: 3.384 ug/L
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :** MSVOA_Y
**ClientSampleId :** MDL02

Tgt Ion: 43 Resp: 5225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.7 | 0.0 | 64.8 |

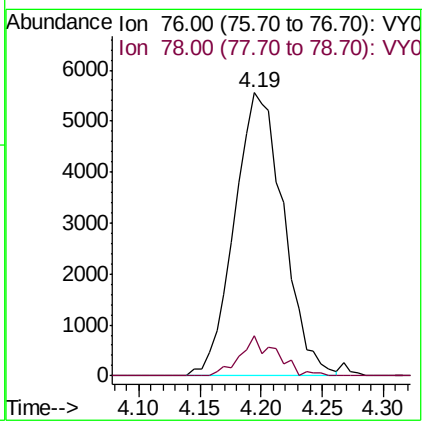


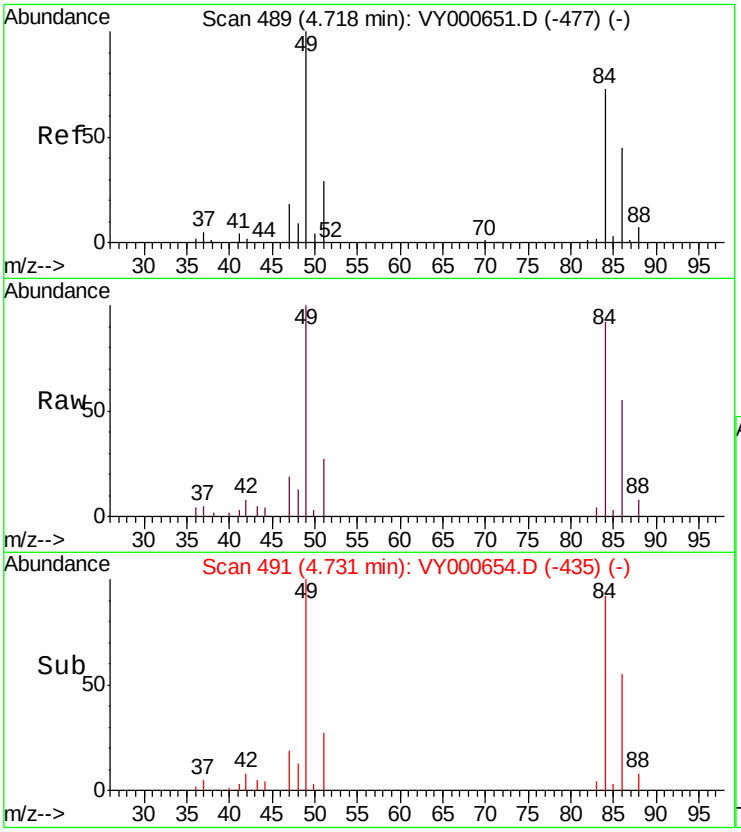




#14
Carbon disulfide
Concen: 1.070 ug/L
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 76 Resp: 15507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 14.1 | 7.0 | 10.6# |



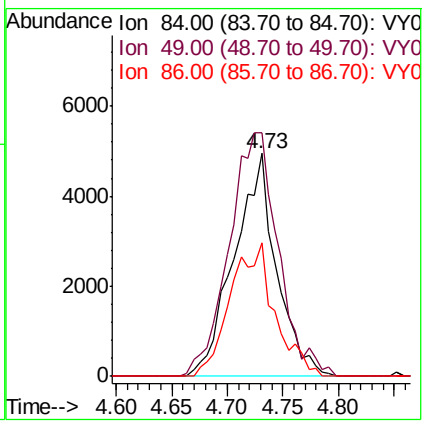


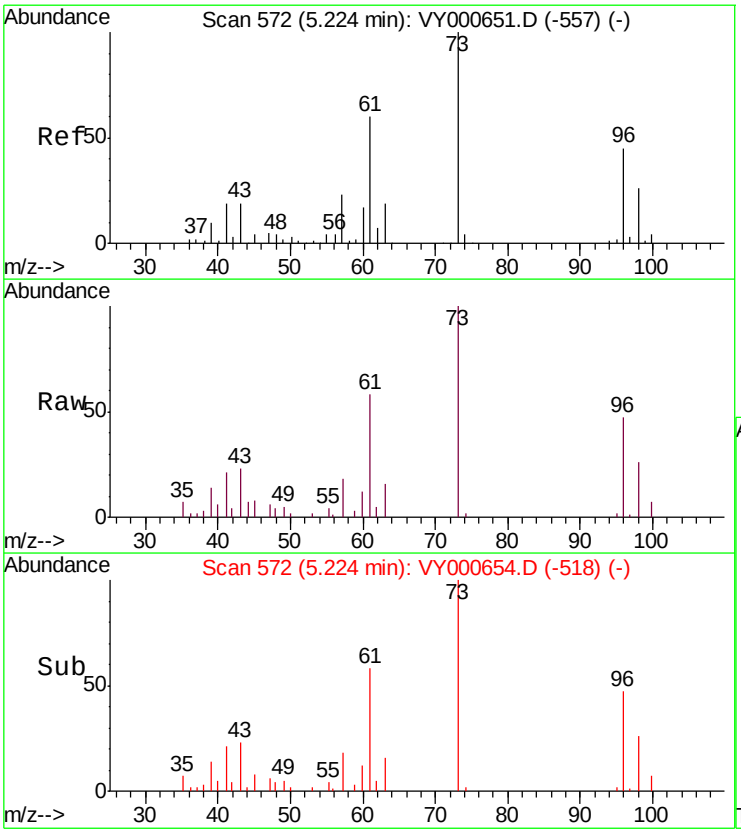

#16
Methylene chloride
Concen: 2.191 ug/L
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 84 Resp: 13100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 109.2 | 88.8 | 165.0 |
| 86 | 60.0 | 43.9 | 81.5 |

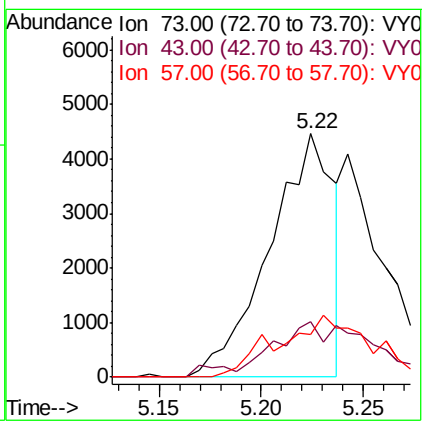


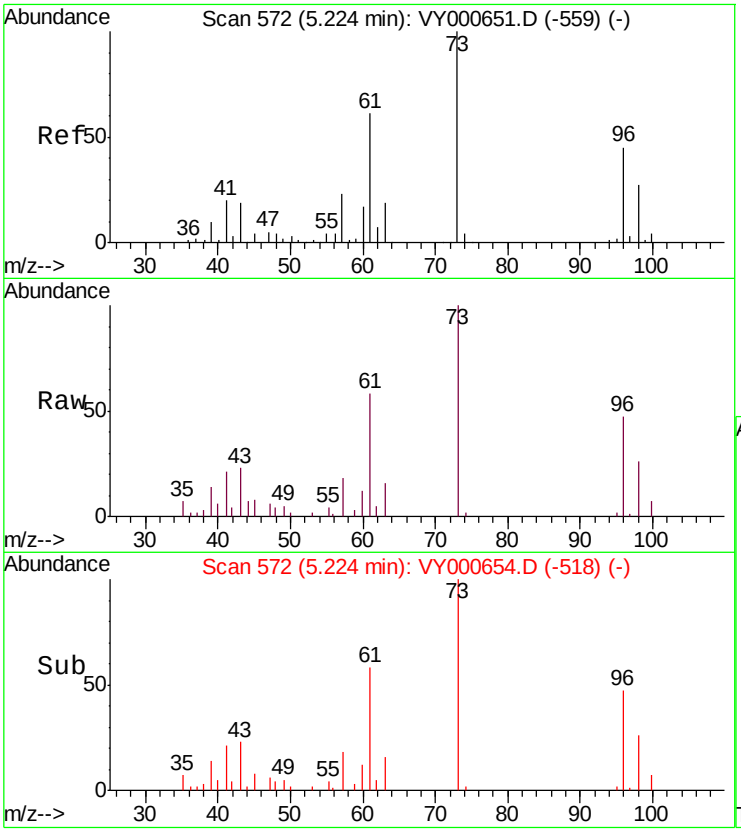




#17
Methyl tert-butyl Ether
Concen: 0.686 ug/L
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 73 Resp: 9797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.0 | 15.4 | 23.0 |
| 57 | 7.3 | 17.5 | 26.3# |



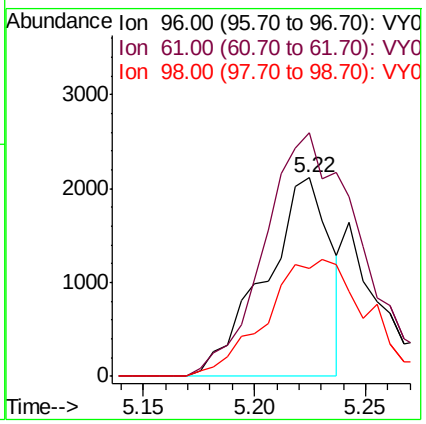


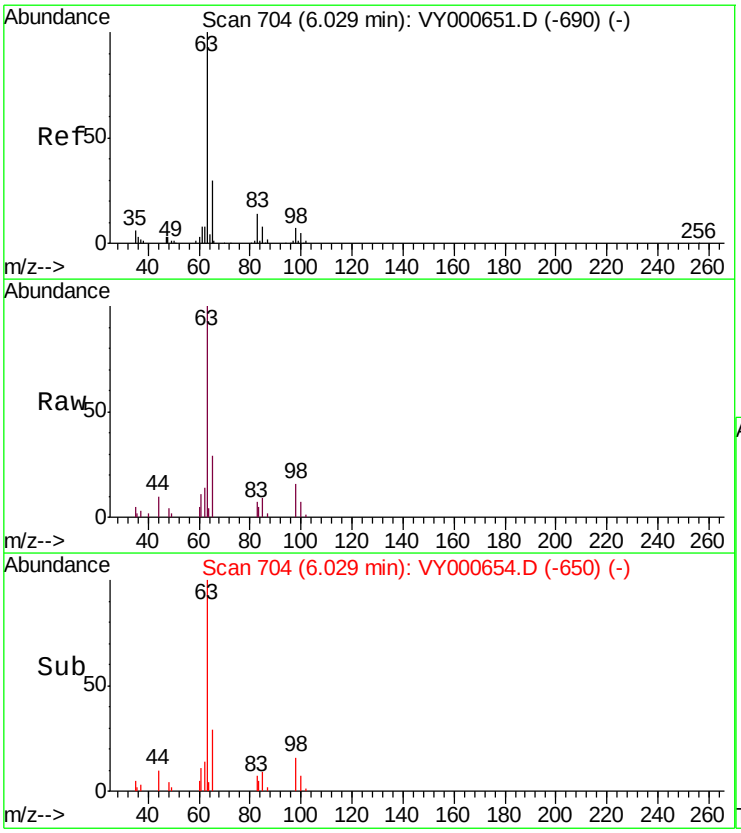

#18
trans-1,2-Dichloroethene
Concen: 0.823 ug/L
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 96 Resp: 4315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 122.6 | 91.8 | 170.4 |
| 98 | 54.2 | 46.3 | 85.9 |

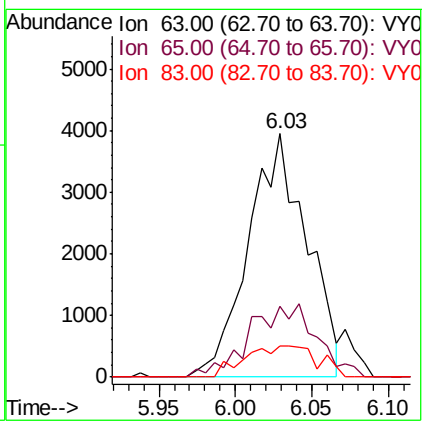


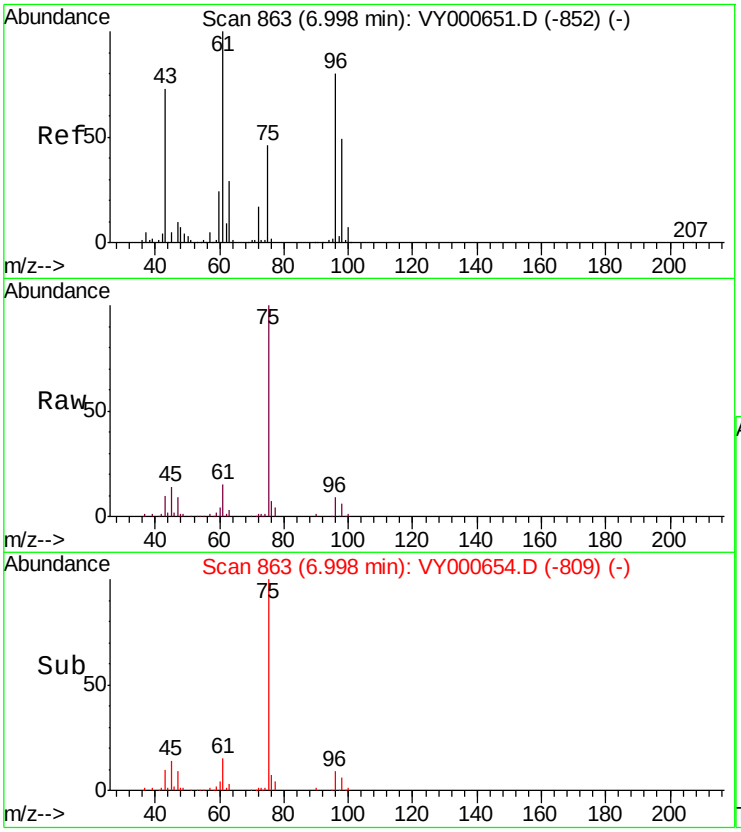




#19
1,1-Dichloroethane
Concen: 1.135 ug/L
RT: 6.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 63 Resp: 10479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.3 | 23.9 | 44.5 |
| 83 | 12.7 | 10.1 | 18.9 |



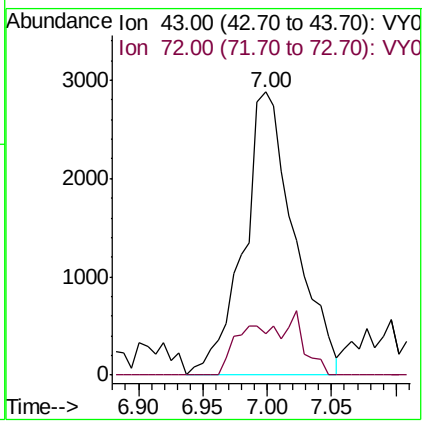


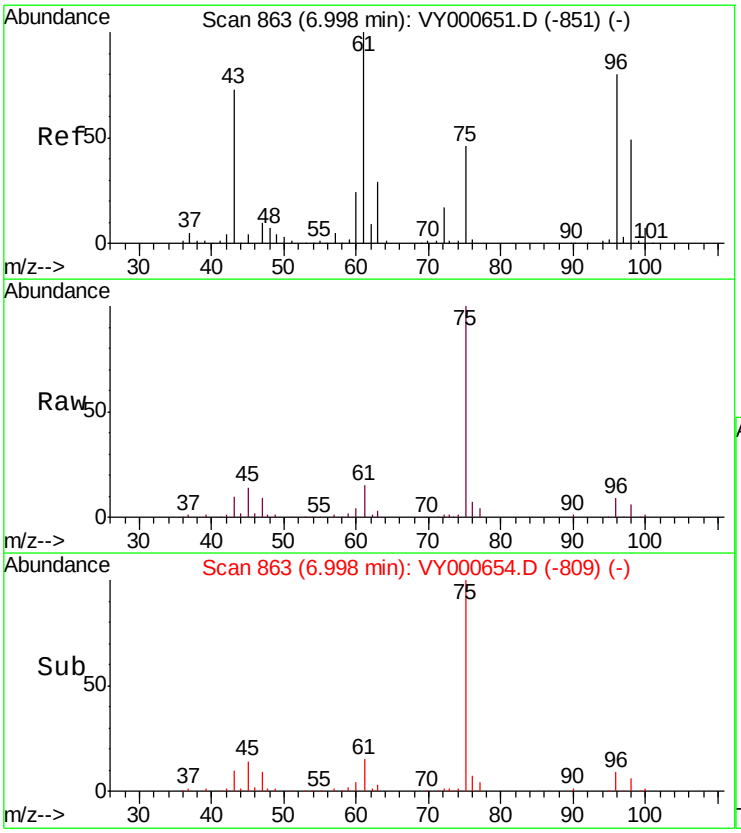

#21
2-Butanone
Concen: 2.888 ug/L
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :** MSVOA_Y
**ClientSampleId :** MDL02

Tgt Ion: 43 Resp: 7856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 11.1 | 12.6 | 37.8# |

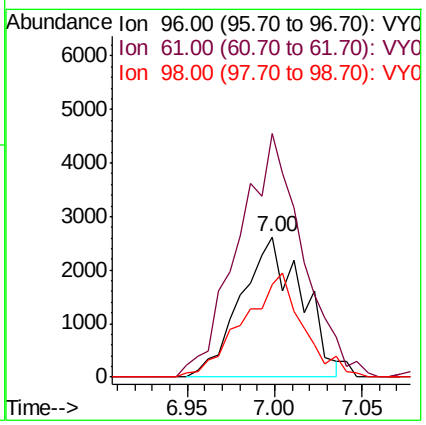


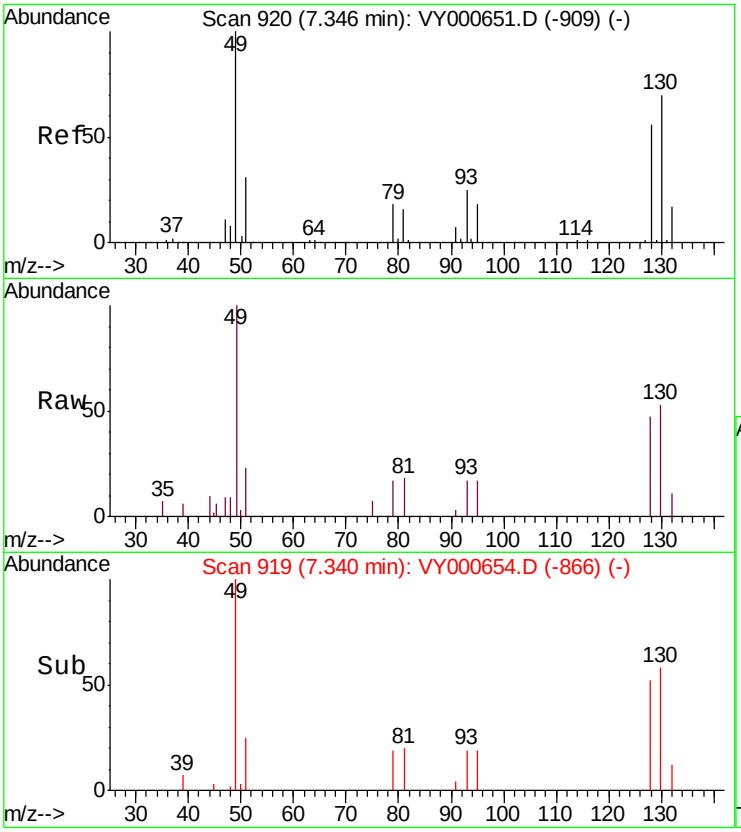




#22
cis-1,2-Dichloroethene
Concen: 1.098 ug/L
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 96 Resp: 6371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 173.8 | 86.8 | 161.2# |
| 98 | 66.1 | 44.6 | 82.8 |



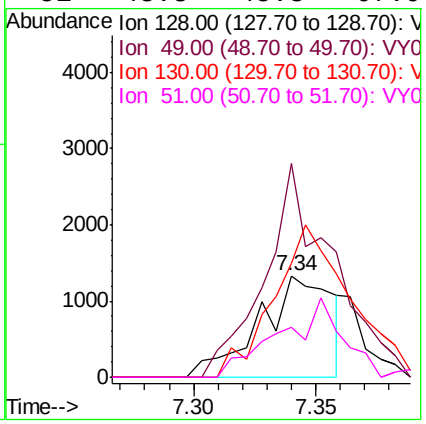


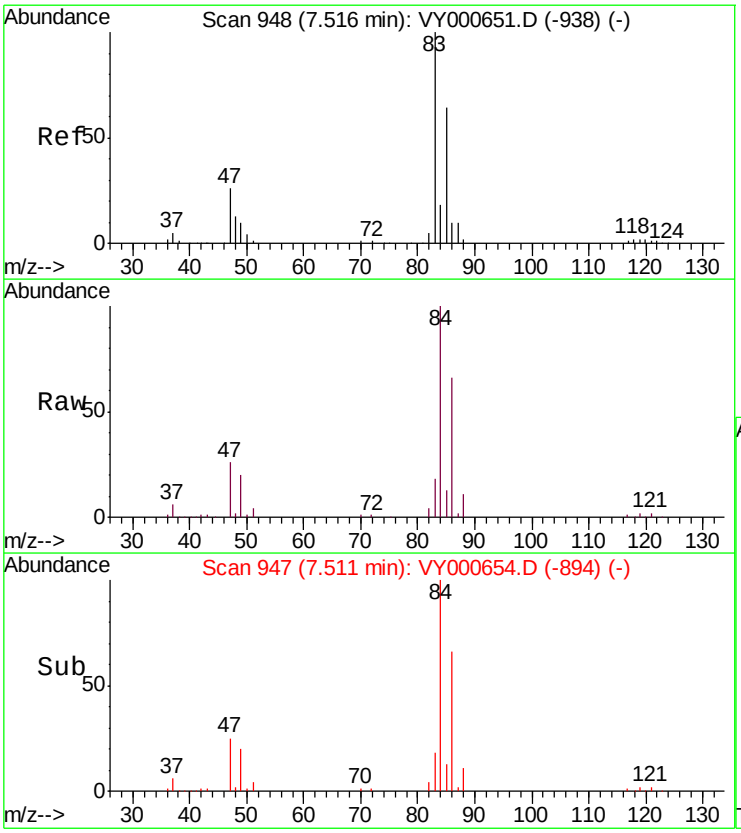

#23
Bromochloromethane
Concen: 1.089 ug/L
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:128 Resp: 2759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 211.0 | 131.5 | 244.3 |
| 130 | 112.8 | 96.7 | 179.5 |
| 51 | 48.8 | 45.3 | 67.9 |

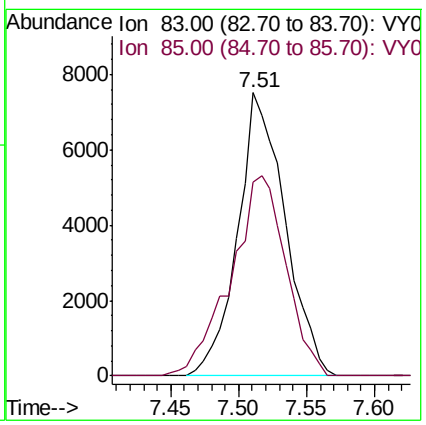


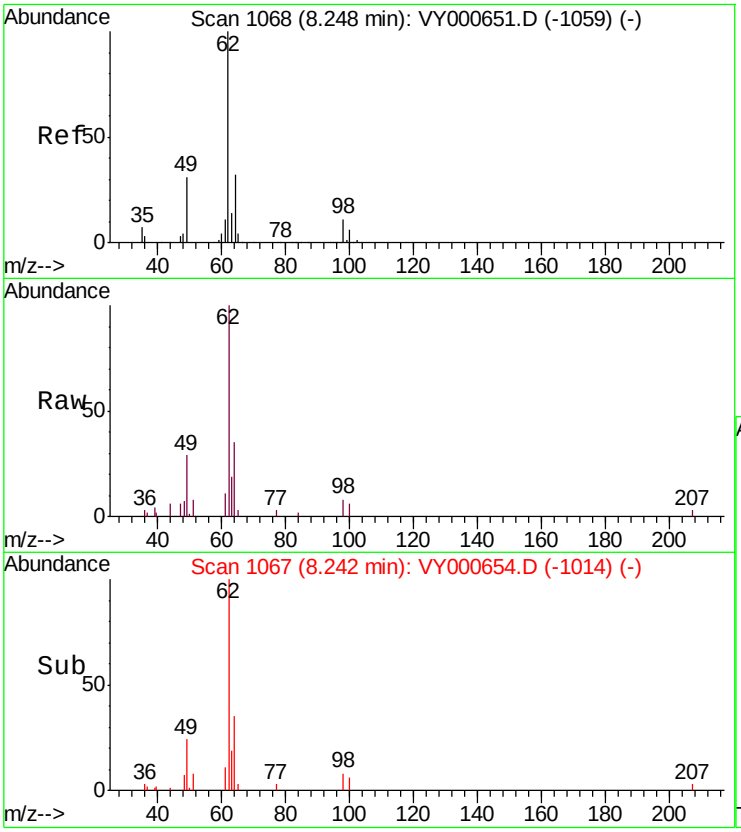




#25
Chloroform
Concen: 1.837 ug/L
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 83 Resp: 18276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 82.5 | 45.6 | 84.6 |



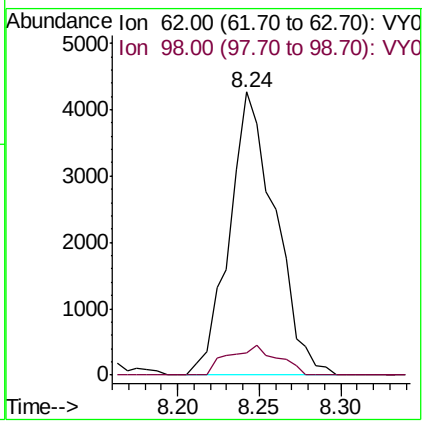


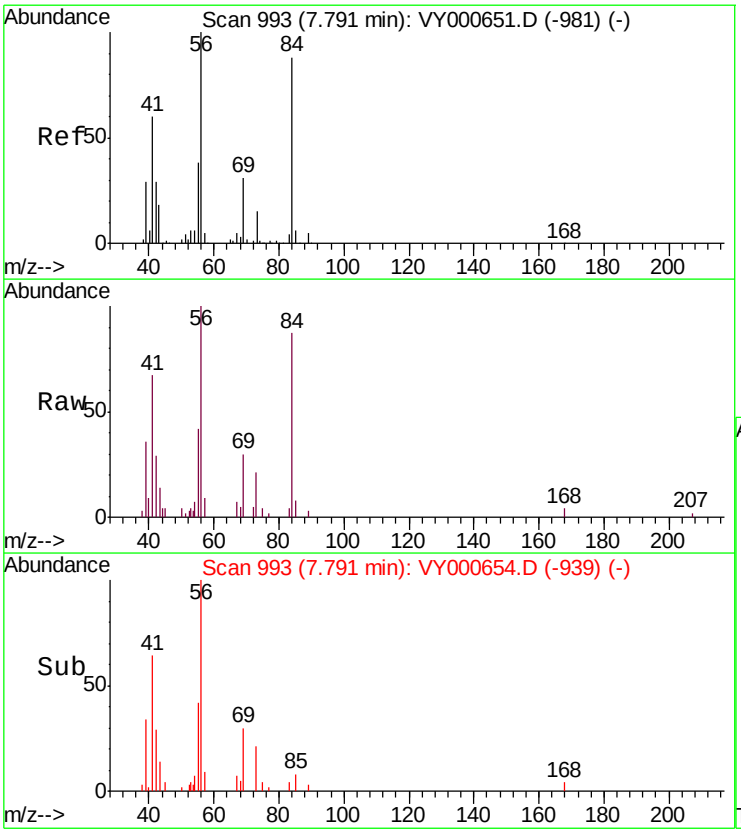

#27
1,2-Dichloroethane
Concen: 1.257 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 62 Resp: 8361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.6 | 7.5 | 11.3 |

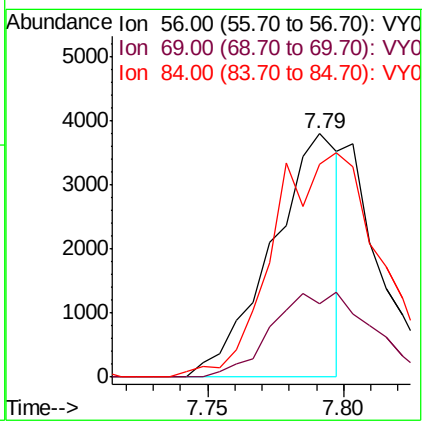


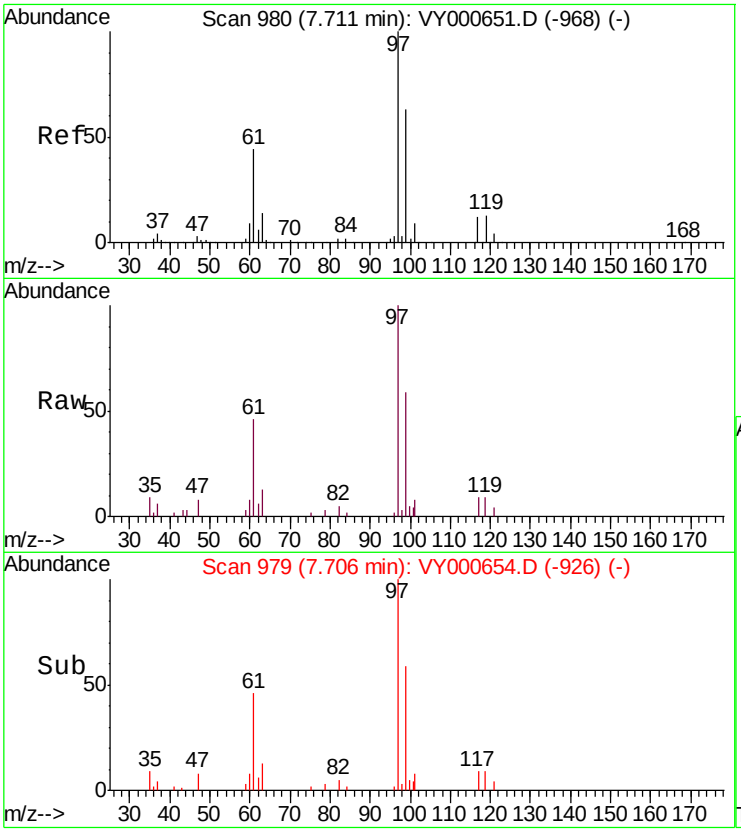




#30
Cyclohexane
Concen: 0.722 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 56 Resp: 6525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 52.0 | 24.1 | 36.1# |
| 84 | 89.9 | 70.2 | 105.4 |



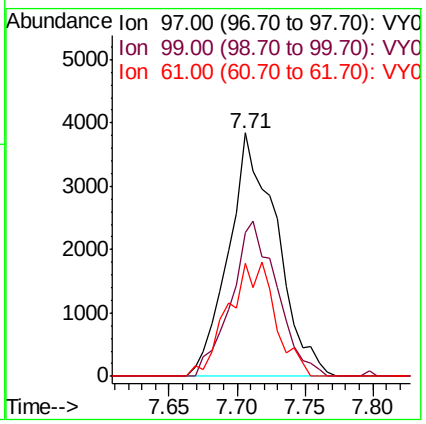


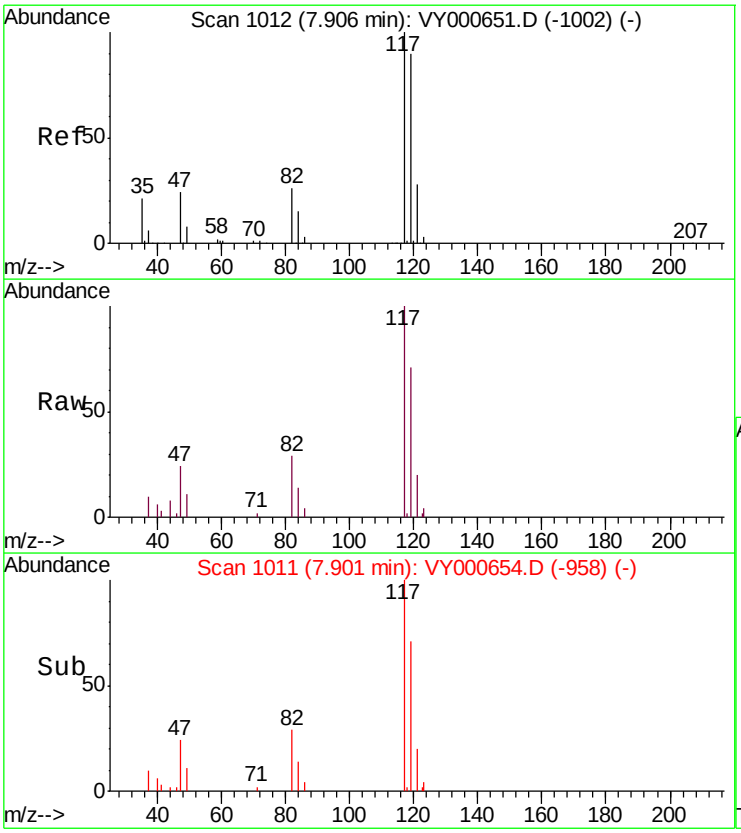

#31
1,1,1-Trichloroethane
Concen: 1.170 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 97 Resp: 9542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.2 | 51.4 | 77.0 |
| 61 | 26.8 | 34.7 | 52.1# |

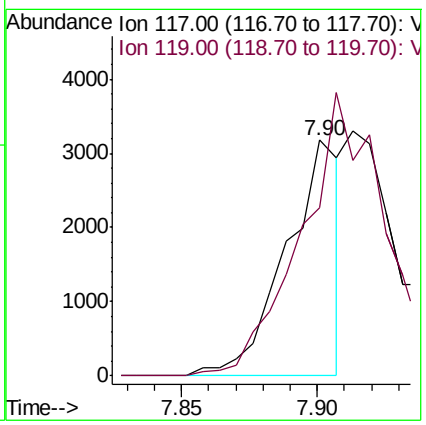


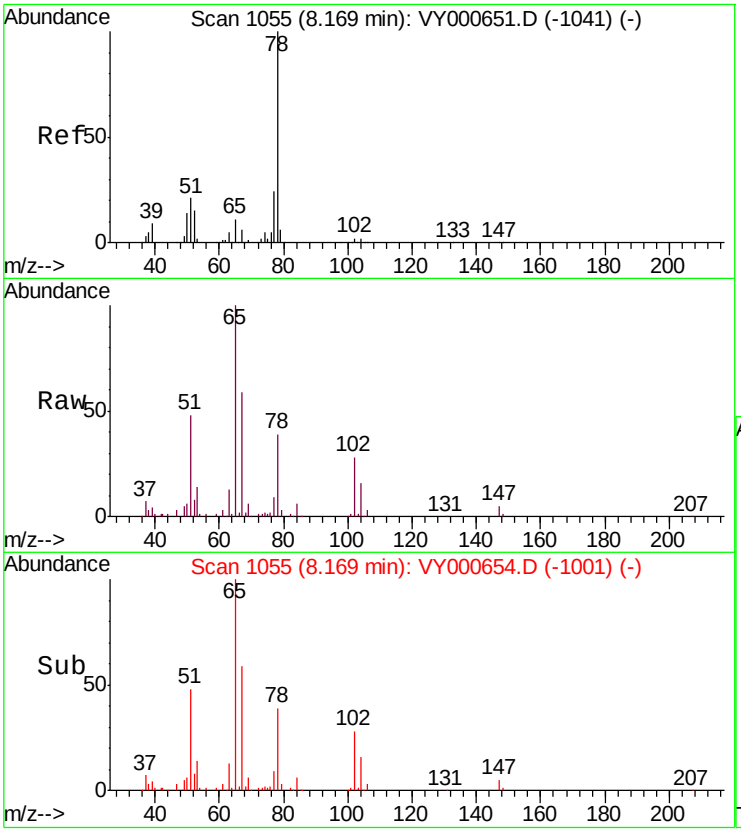




#32
Carbon tetrachloride
Concen: 0.615 ug/L
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:117 Resp: 4369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 184.6 | 76.2 | 114.2# |

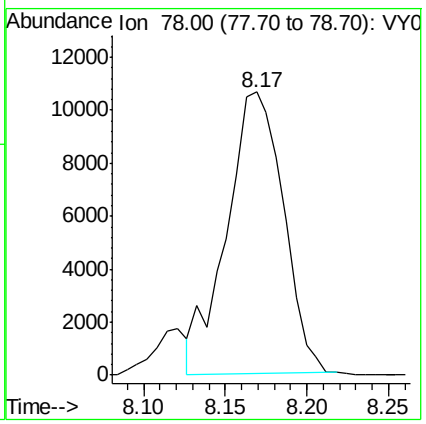


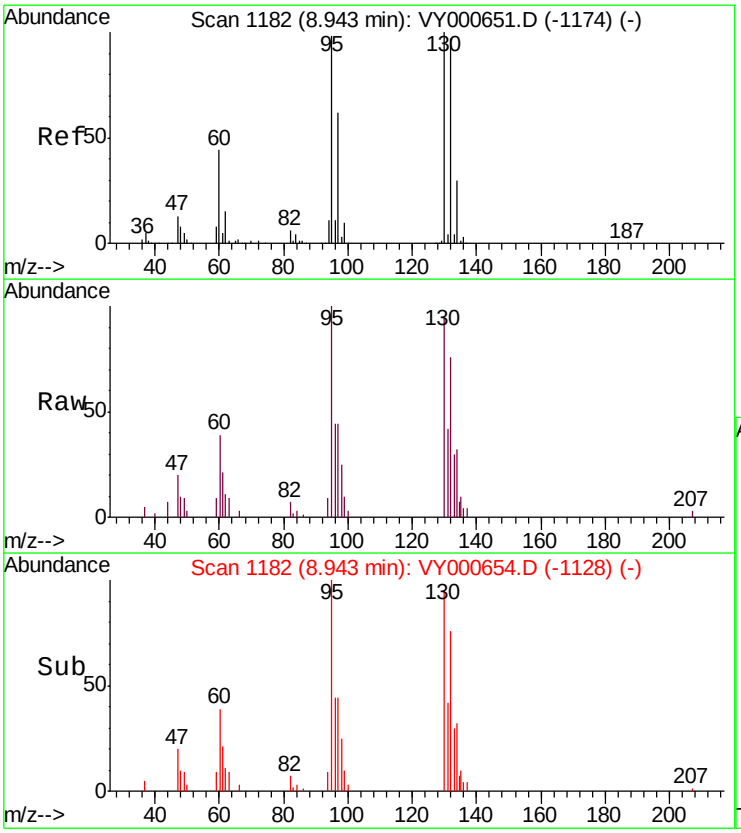



#34
Benzene
Concen: 1.187 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 78 Resp: 25681

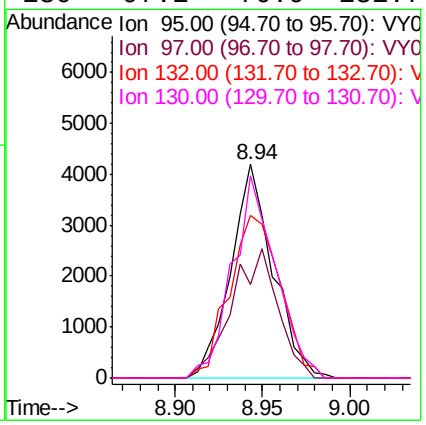


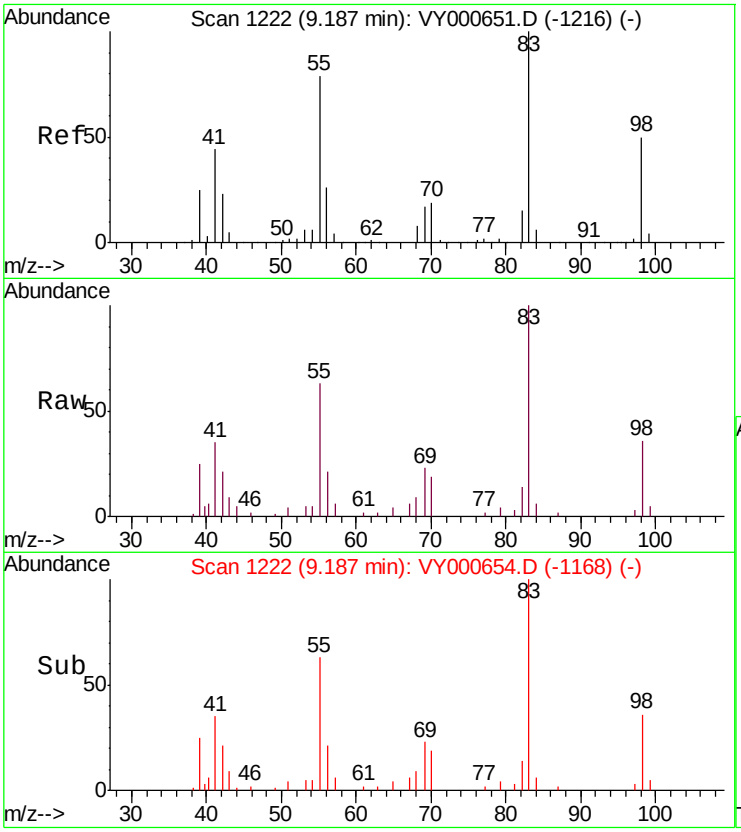




#35
Trichloroethene
Concen: 1.244 ug/L
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 95 Resp: 7056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 66.5 | 44.4 | 82.4 |
| 132 | 91.9 | 66.8 | 124.0 |
| 130 | 97.1 | 70.9 | 131.7 |



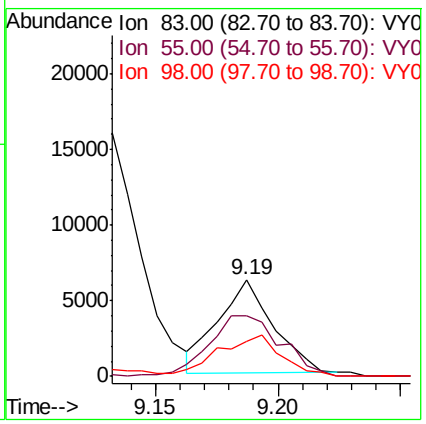


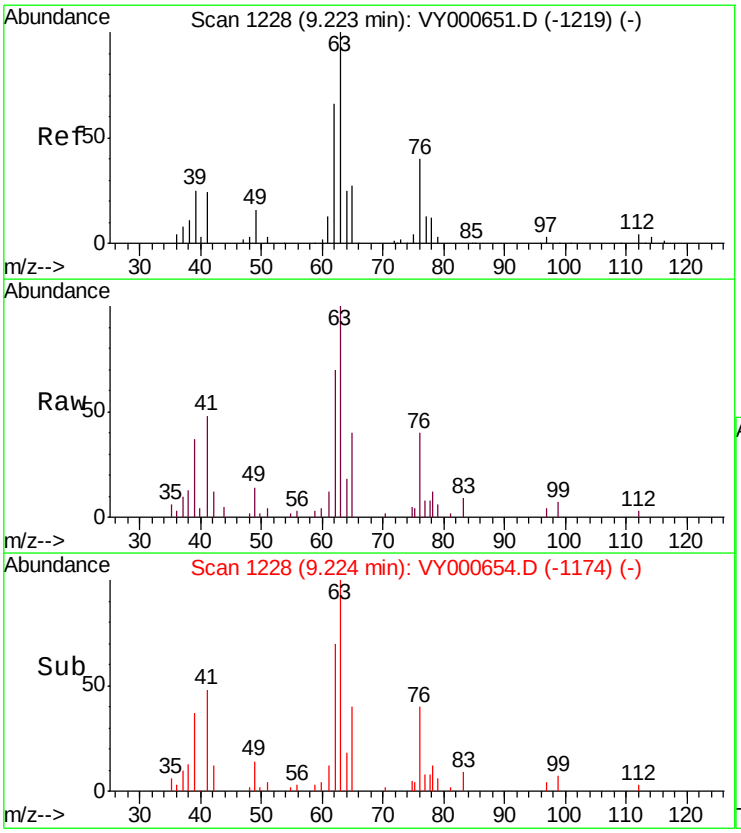

#36
Methylcyclohexane
Concen: 0.982 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 83 Resp: 9535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 86.5 | 60.0 | 90.0 |
| 98 | 52.1 | 40.2 | 60.2 |

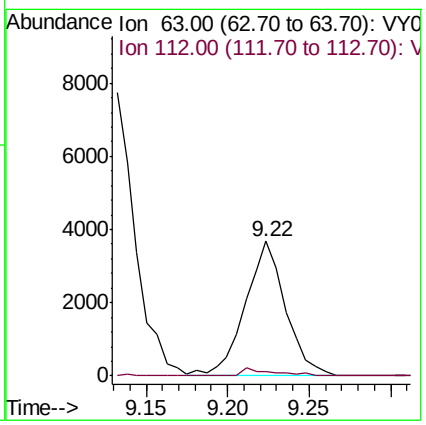


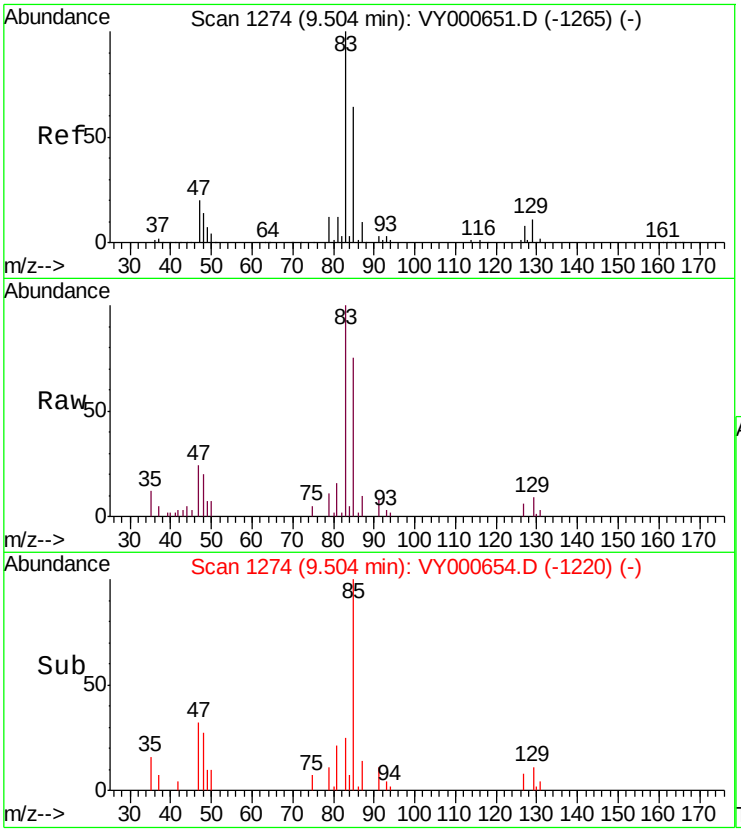




#40
1,2-Dichloropropane
Concen: 1.161 ug/L
RT: 9.22 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 63 Resp: 6365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 2.6 | 3.2 | 4.8# |



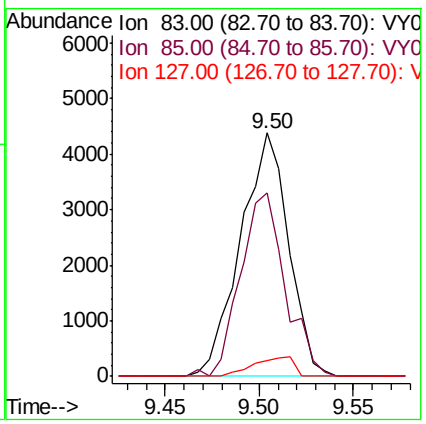


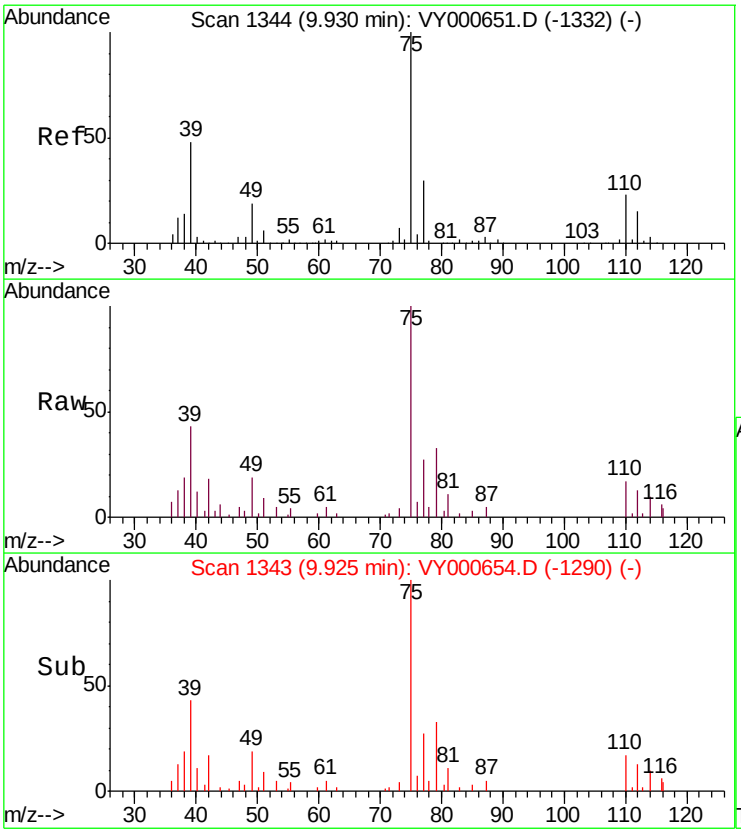

#41
Bromodichloromethane
Concen: 1.099 ug/L
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 83 Resp: 7755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 75.4 | 46.1 | 85.5 |
| 127 | 6.3 | 6.5 | 9.7# |

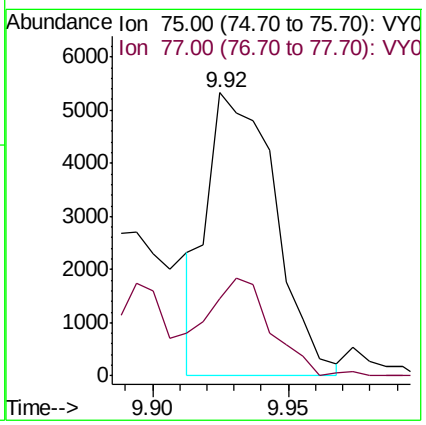


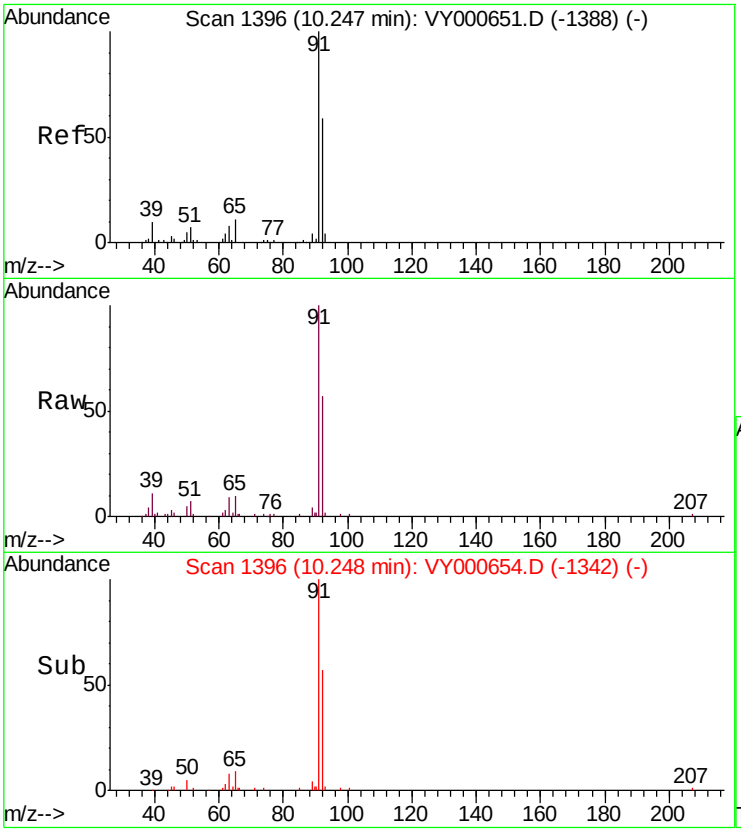




#42
cis-1,3-Dichloropropene
Concen: 1.043 ug/L
RT: 9.92 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 75 Resp: 9214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 27.2 | 21.7 | 40.3 |



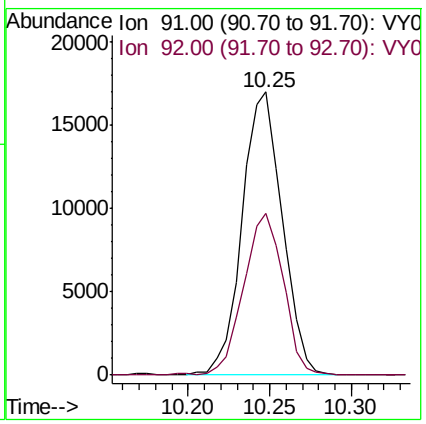


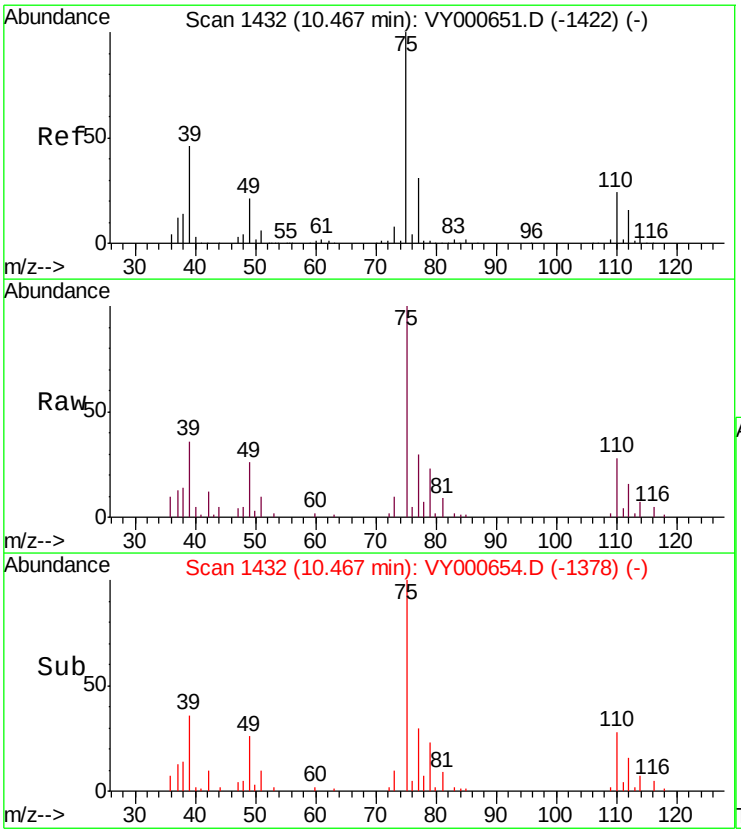

#44
Toluene
Concen: 1.240 ug/L
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 91 Resp: 29012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.3 | 39.5 | 73.4 |

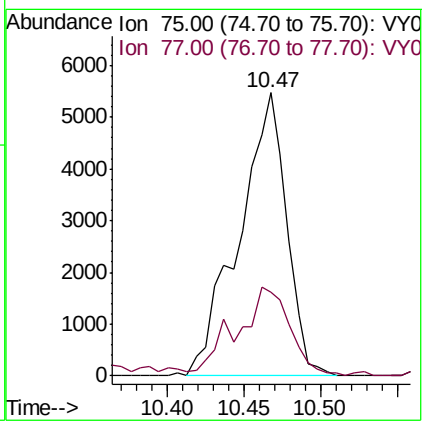


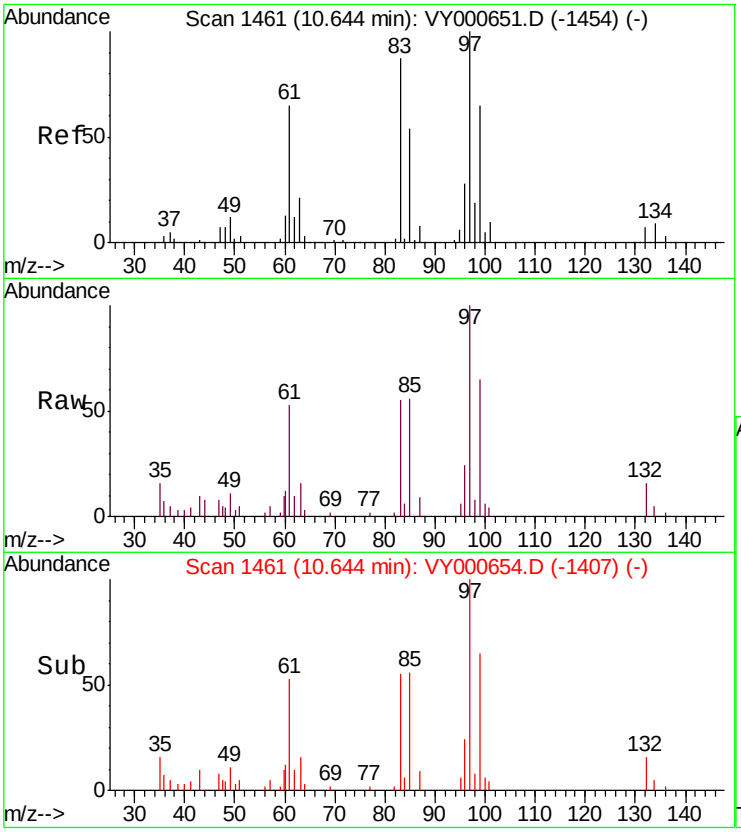




#45
trans-1,3-Dichloropropene
Concen: 1.561 ug/L
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 75 Resp: 11847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.6 | 20.4 | 37.8 |



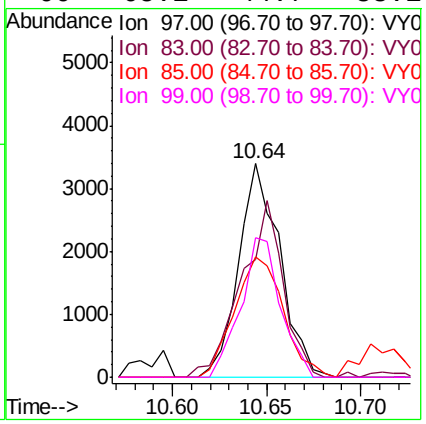


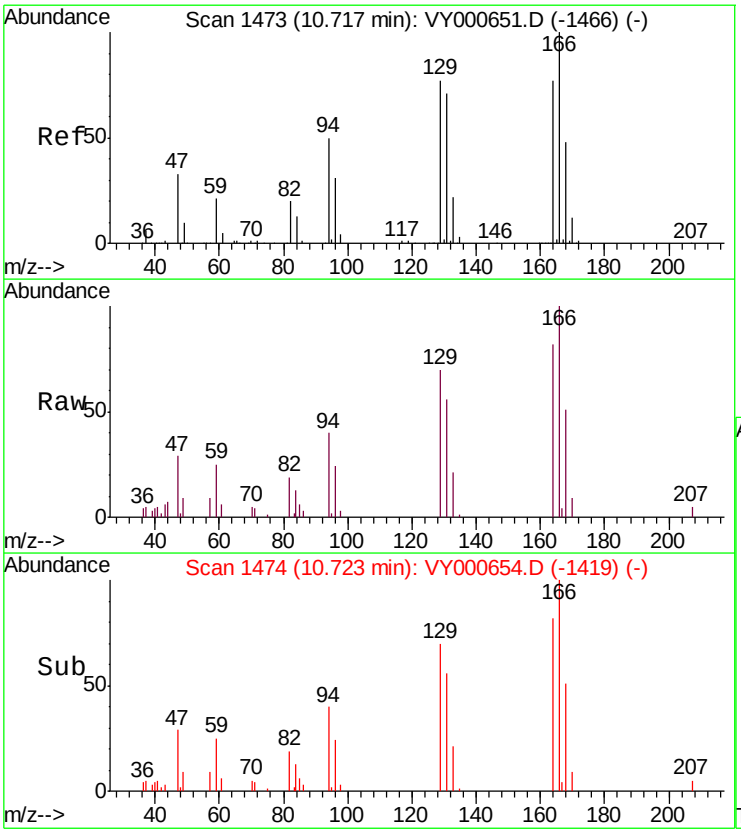

#46
1,1,2-Trichloroethane
Concen: 1.147 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 97 Resp: 5160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 55.2 | 58.7 | 109.1# |
| 85 | 56.4 | 37.3 | 69.3 |
| 99 | 65.1 | 44.7 | 83.1 |

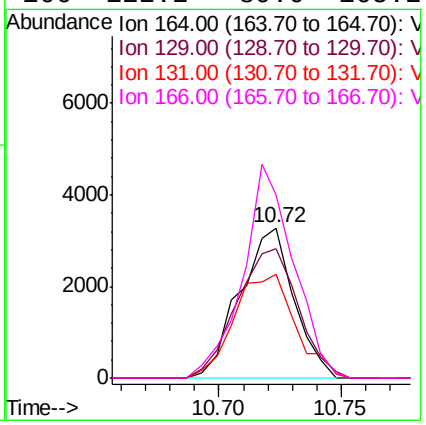


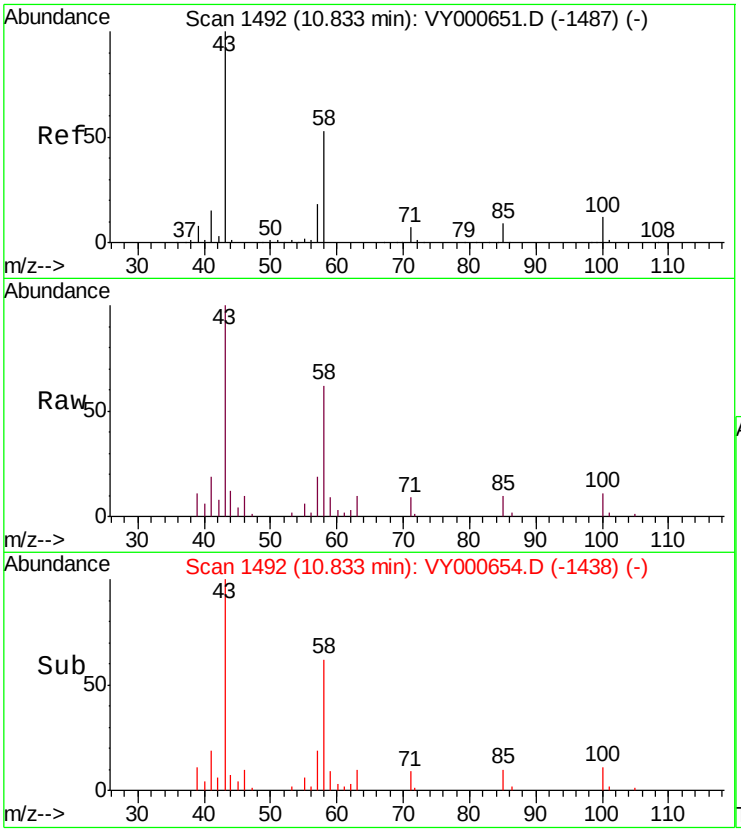




#47
Tetrachloroethene
Concen: 1.195 ug/L
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:164 Resp: 5065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 85.8 | 69.6 | 129.2 |
| 131 | 68.8 | 66.8 | 124.2 |
| 166 | 122.2 | 89.0 | 165.2 |



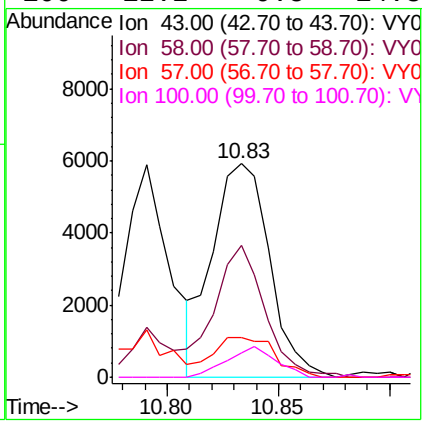


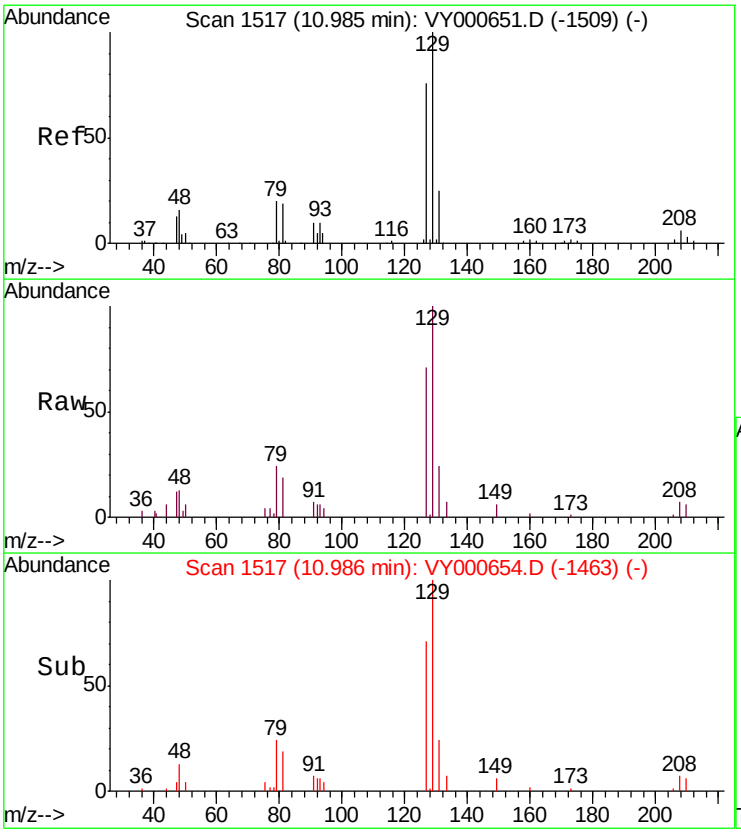

#49
2-Hexanone
Concen: 2.592 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :** MSVOA_Y
**ClientSampleId :** MDL02

Tgt Ion: 43 Resp: 10589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.2 | 44.1 | 66.1 |
| 57 | 20.8 | 13.9 | 20.9 |
| 100 | 12.2 | 9.5 | 14.3 |

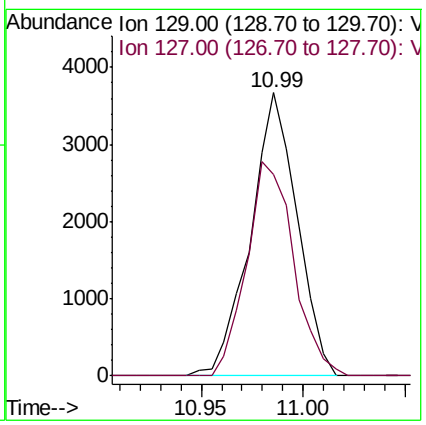


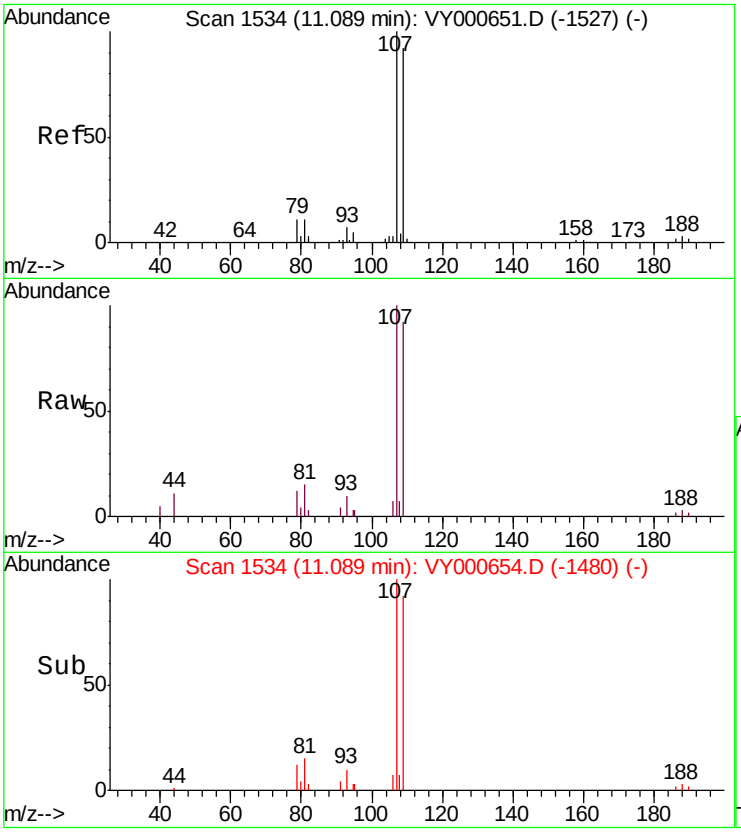




#50
Dibromochloromethane
Concen: 1.152 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:129 Resp: 5854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 71.4 | 57.9 | 107.5 |



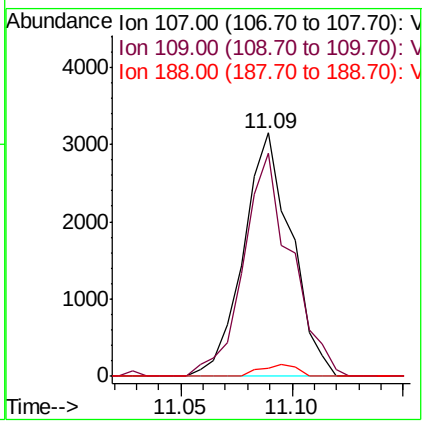


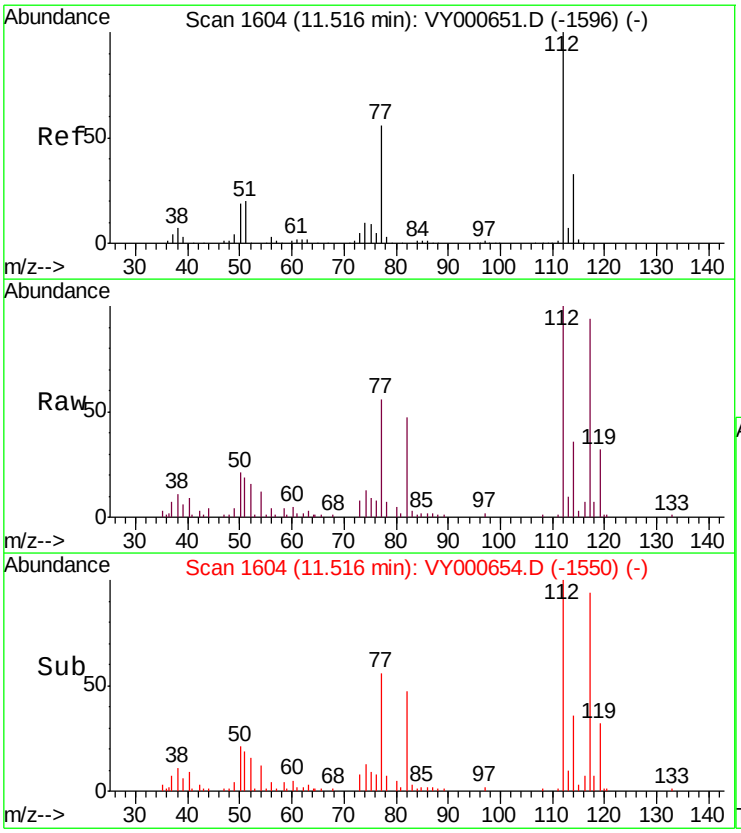

#51
1,2-Dibromoethane
Concen: 1.074 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:107 Resp: 4701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.6 | 65.5 | 121.6 |
| 188 | 3.5 | 2.7 | 4.1 |

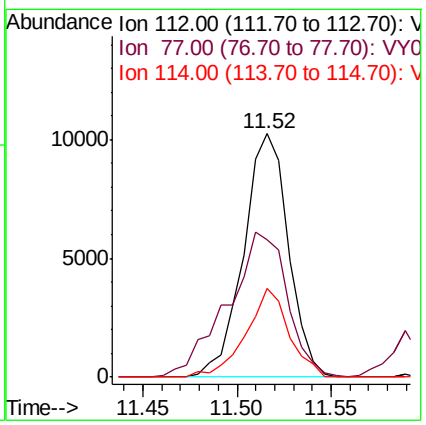


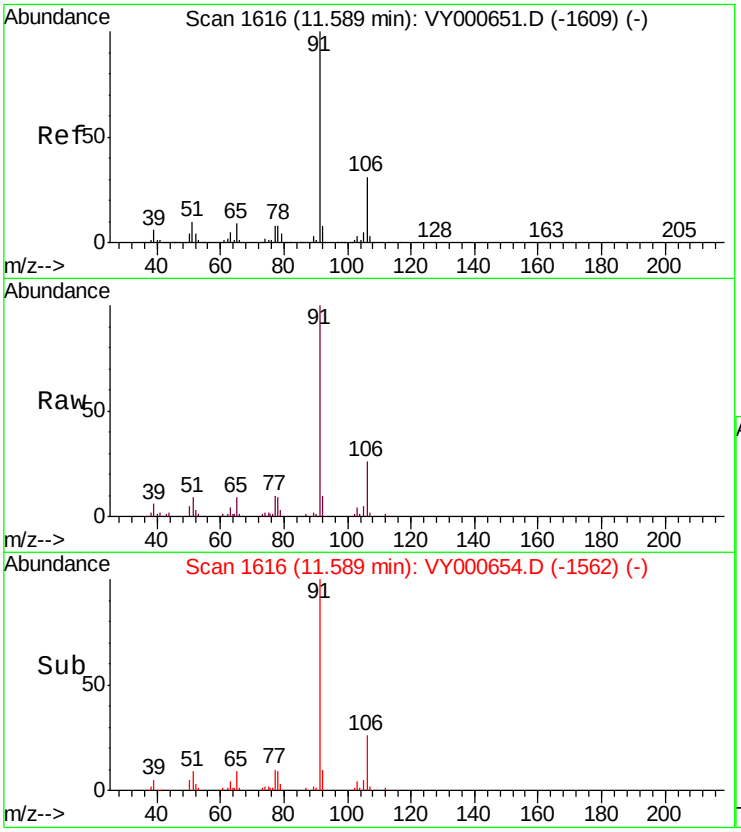




#52
Chlorobenzene
Concen: 1.138 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:112 Resp: 16889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 56.3 | 47.4 | 71.0 |
| 114 | 36.3 | 23.0 | 42.6 |



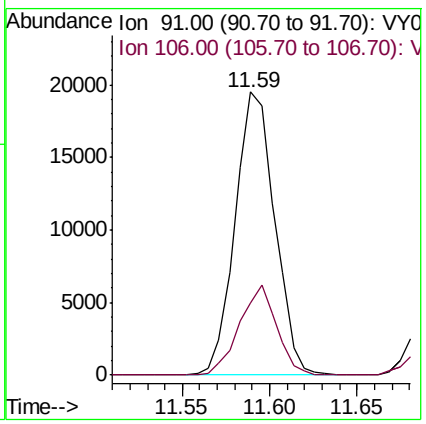


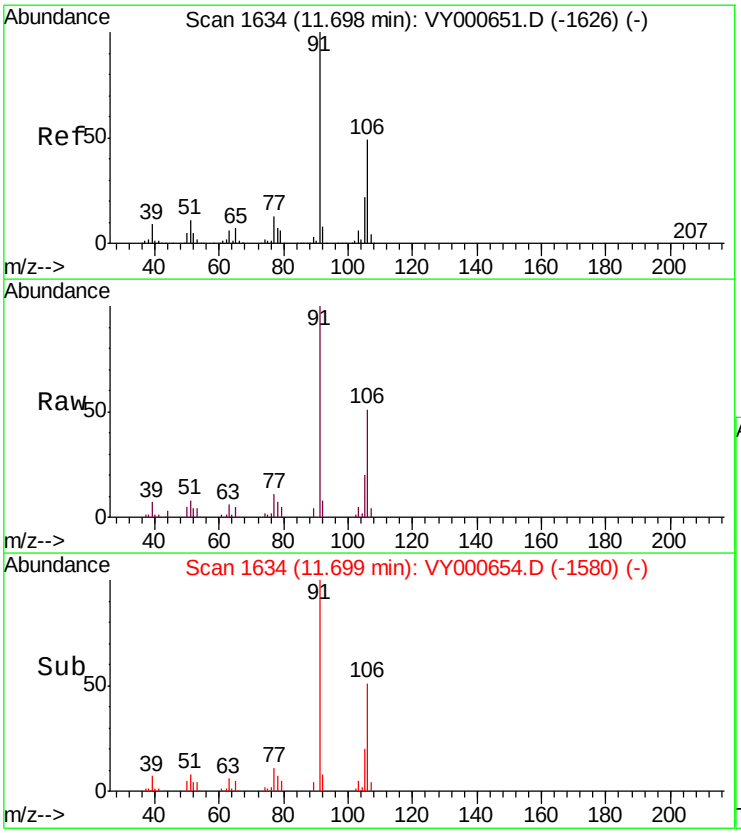

#53
Ethylbenzene
Concen: 1.162 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 91 Resp: 30764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.7 | 20.9 | 38.7 |

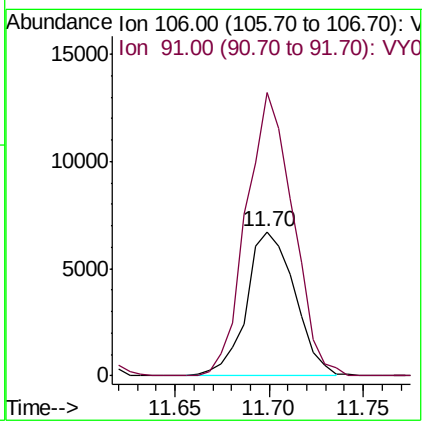


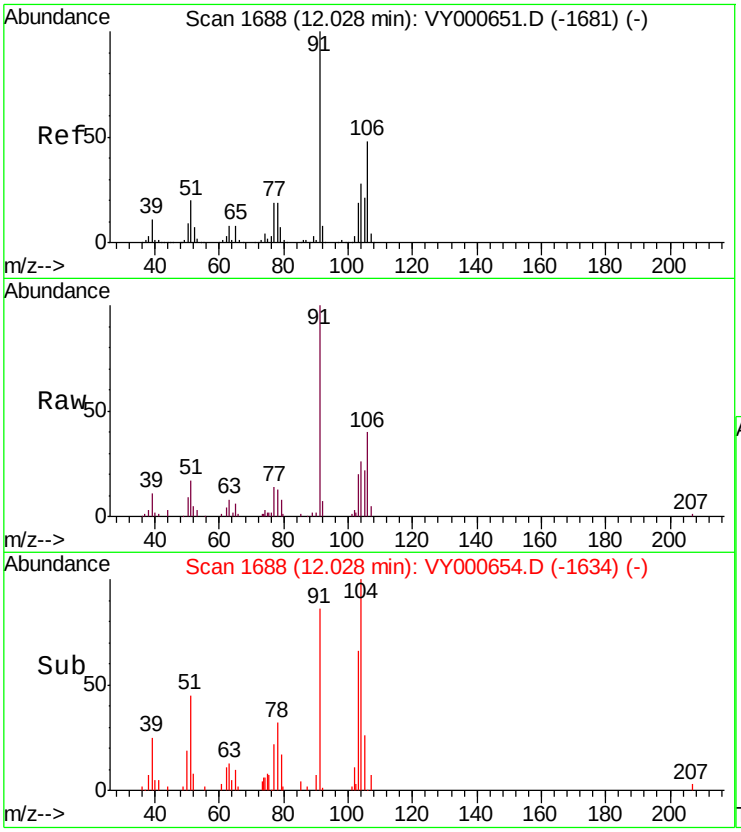




#54
m,p-Xylene
Concen: 1.191 ug/L
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:106 Resp: 11932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 196.8 | 137.4 | 255.2 |



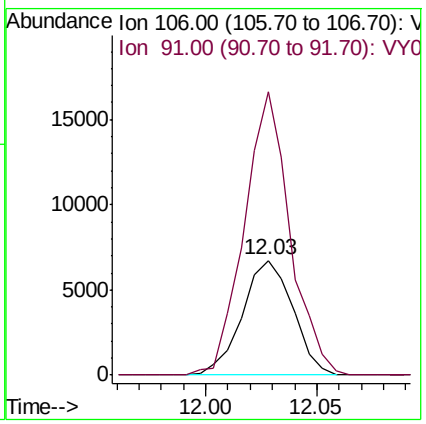


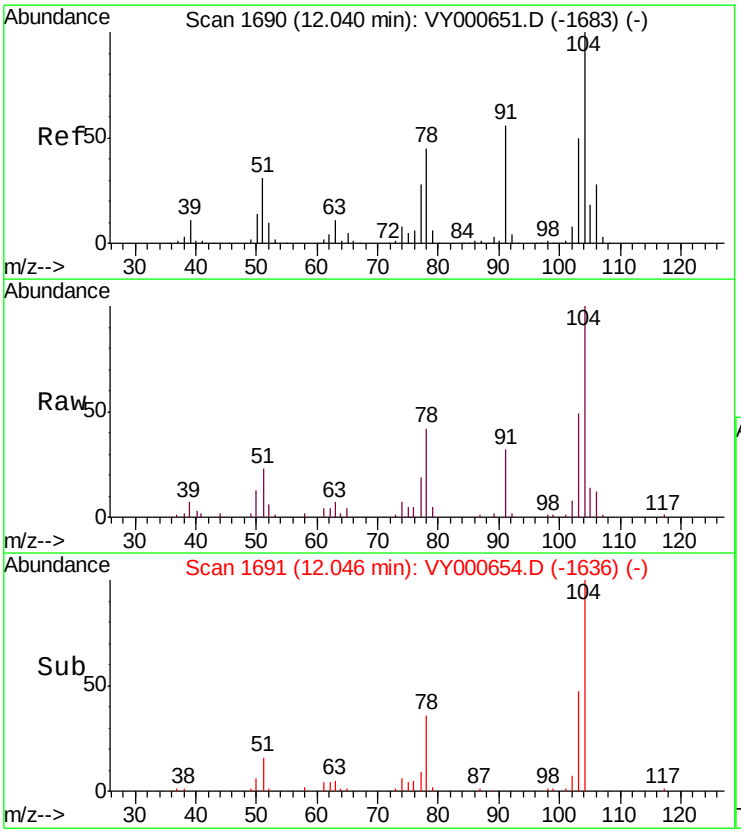

#55
o-xylene
Concen: 1.085 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:106 Resp: 10669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 247.3 | 147.8 | 274.6 |

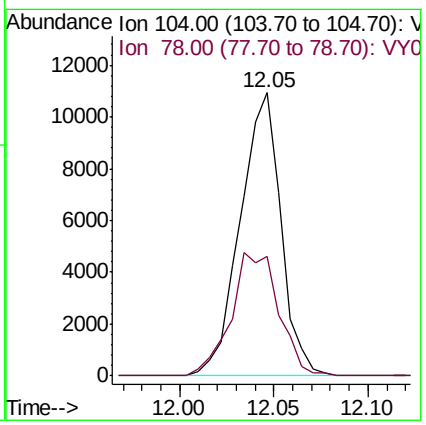


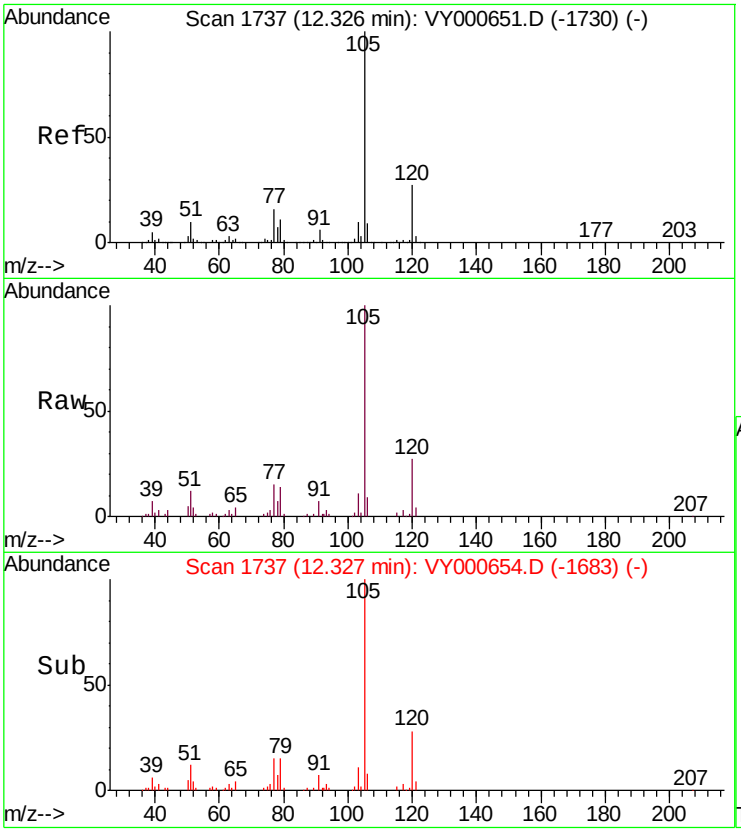




#56
Styrene
Concen: 1.002 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:104 Resp: 16359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.2 | 31.5 | 58.5 |



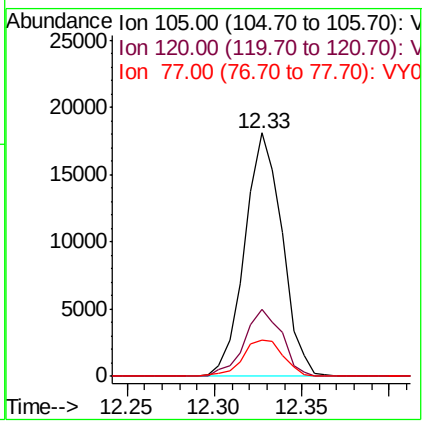


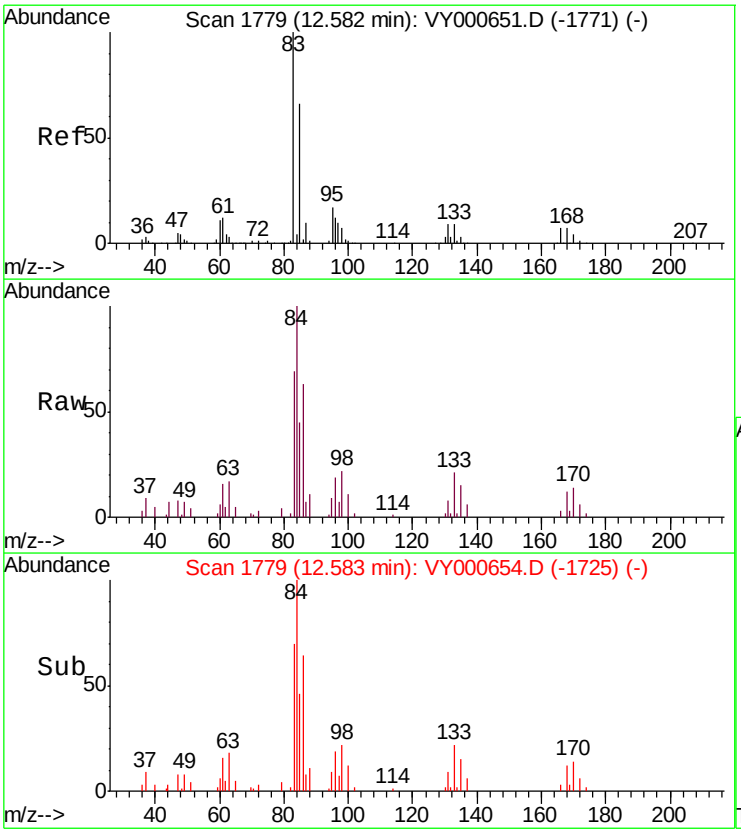

#57
Isopropylbenzene
Concen: 1.055 ug/L
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:105 Resp: 26981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.4 | 21.5 | 32.3 |
| 77 | 16.2 | 12.6 | 19.0 |

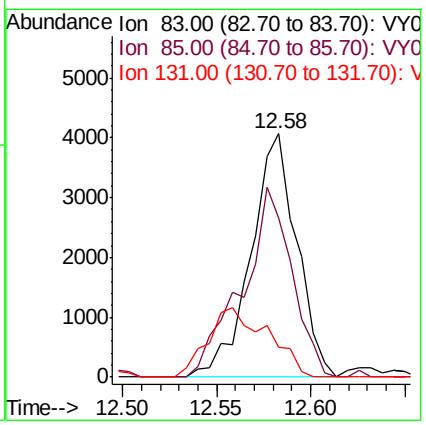


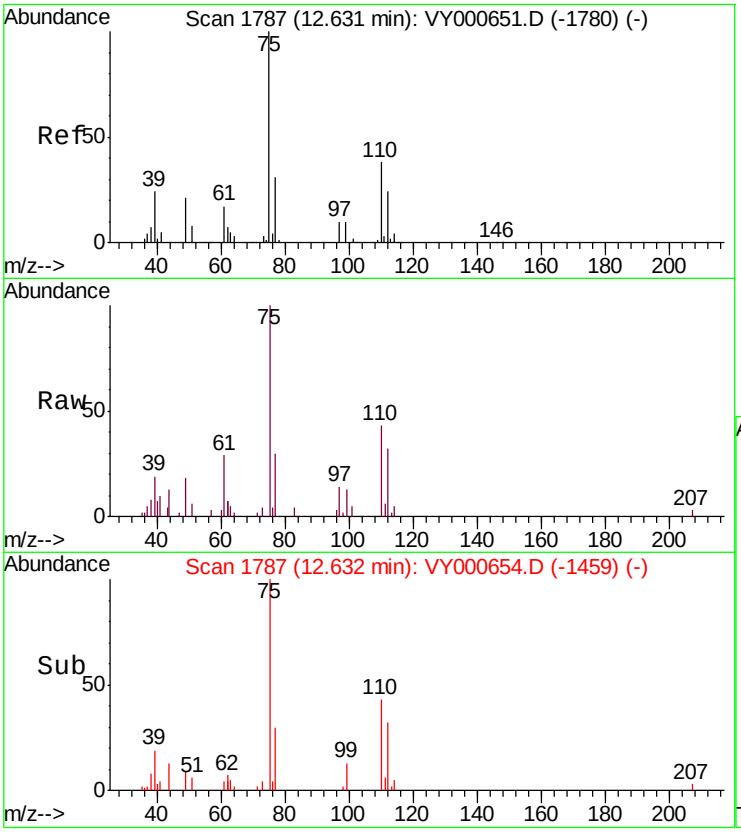




#58
1,1,2,2-Tetrachloroethane
Concen: 1.220 ug/L
RT: 12.58 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 83 Resp: 6845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 45.0 | 83.6 |
| 131 | 12.2 | 7.8 | 11.6# |



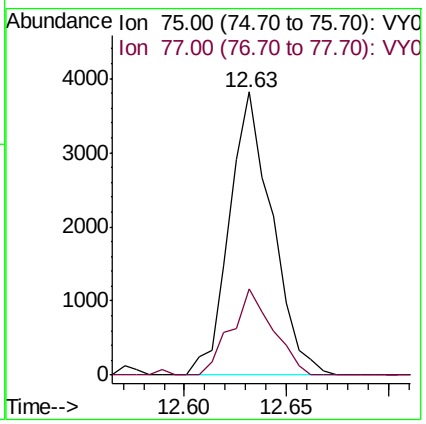


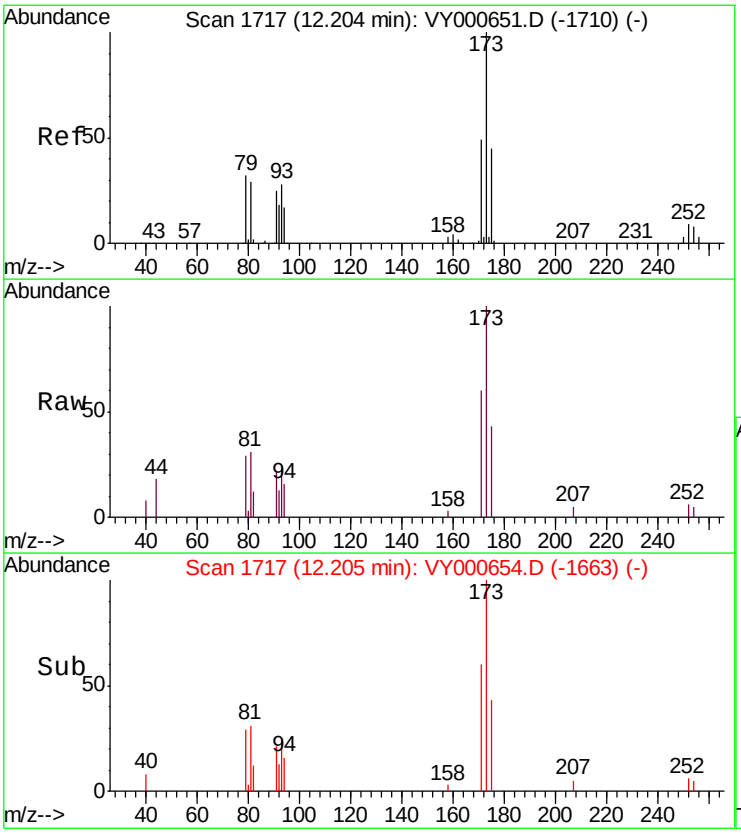

#59
1,2,3-Trichloropropane
Concen: 1.217 ug/L
RT: 12.63 min Scan# 1787
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion: 75 Resp: 5552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.8 | 26.4 | 39.6 |

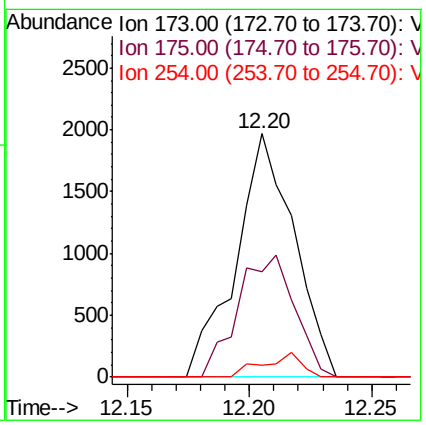


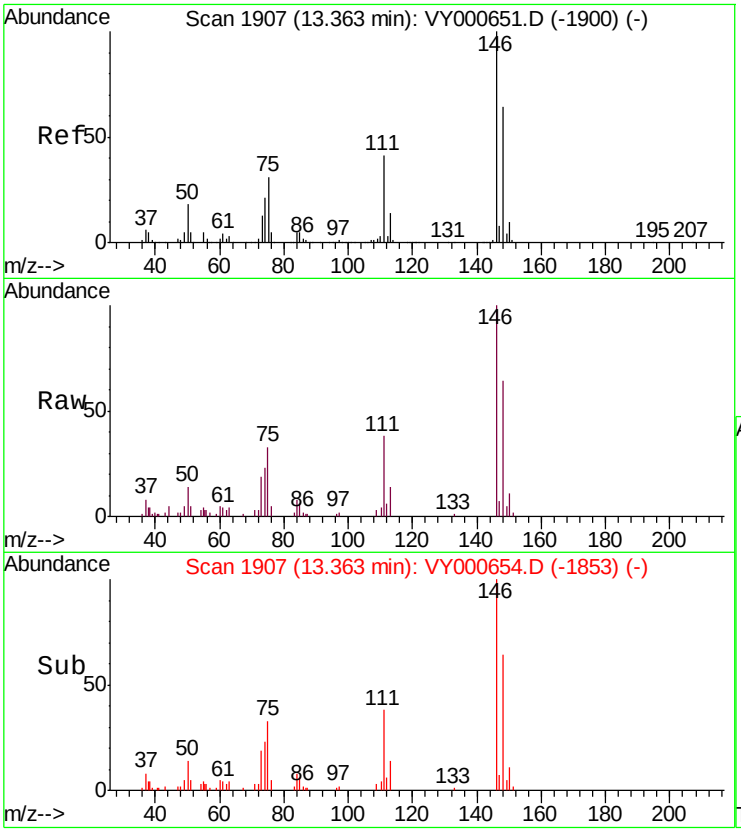




#62
Bromoform
Concen: 1.111 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:173 Resp: 3240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 37.8 | 56.6# |
| 254 | 2.3 | 7.7 | 11.5# |



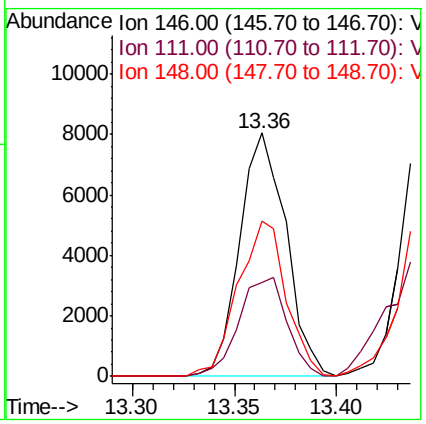


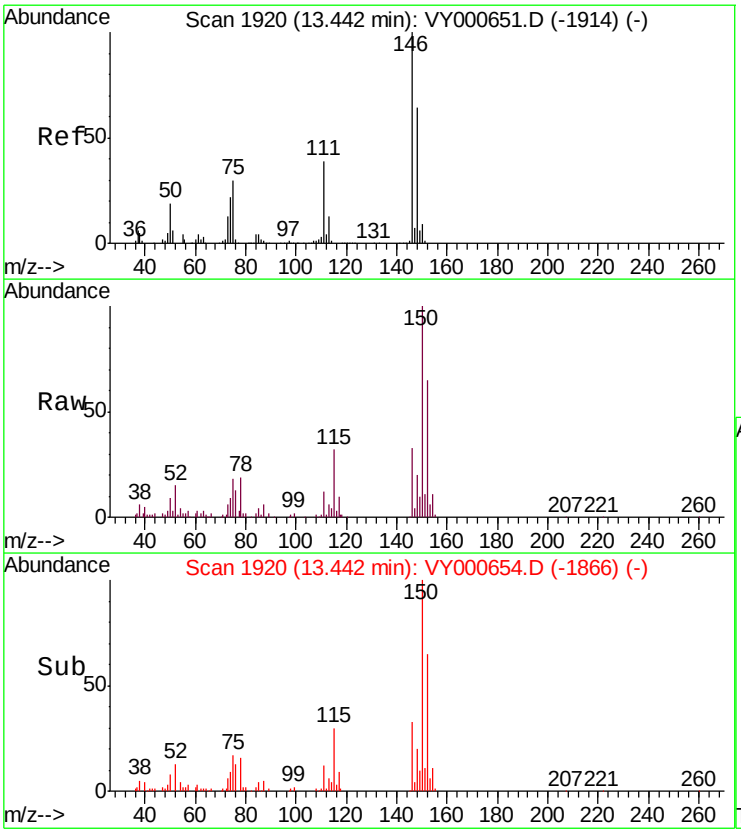

#63
1,3-Dichlorobenzene
Concen: 1.160 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:146 Resp: 12700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.4 | 28.8 | 53.6 |
| 148 | 63.6 | 44.3 | 82.3 |

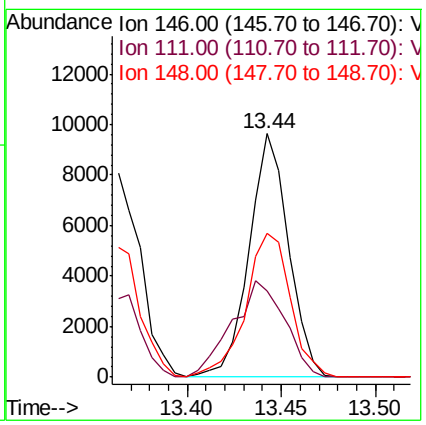


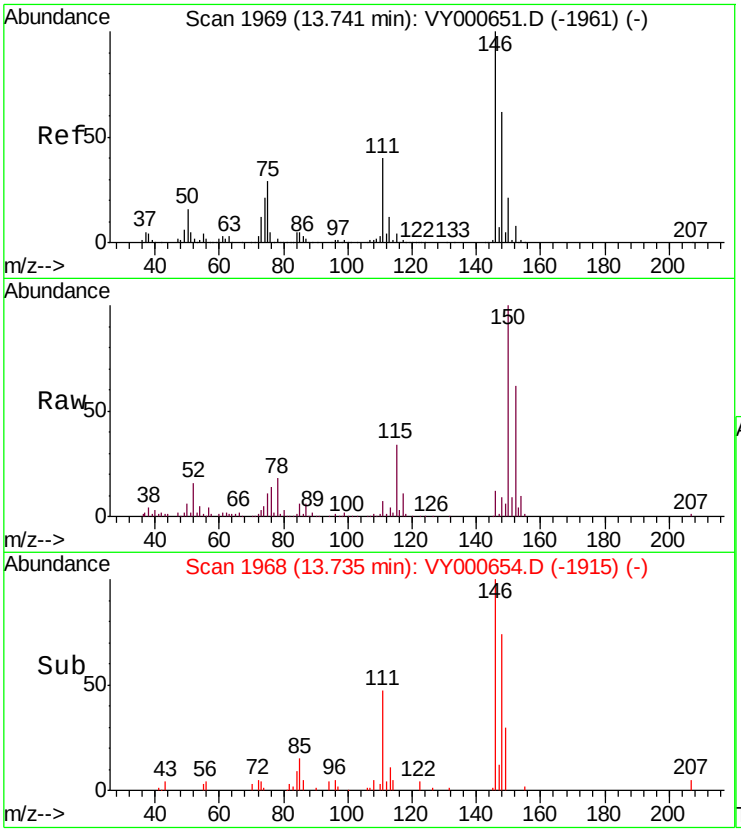




#64
1,4-Dichlorobenzene
Concen: 1.276 ug/L
RT: 13.44 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:146 Resp: 13963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.5 | 26.7 | 49.5 |
| 148 | 59.2 | 45.2 | 84.0 |



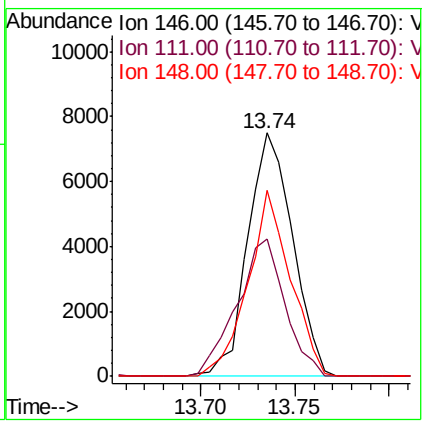


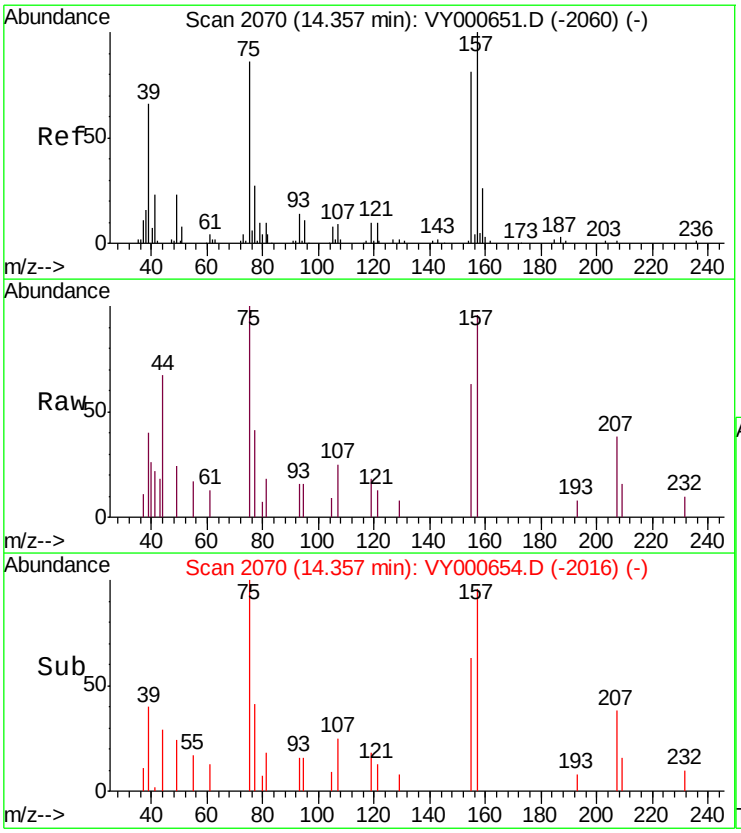

#65
1,2-Dichlorobenzene
Concen: 1.220 ug/L
RT: 13.74 min Scan# 1968
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:146 Resp: 12374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 56.6 | 33.8 | 50.8# |
| 148 | 76.3 | 51.0 | 76.6 |

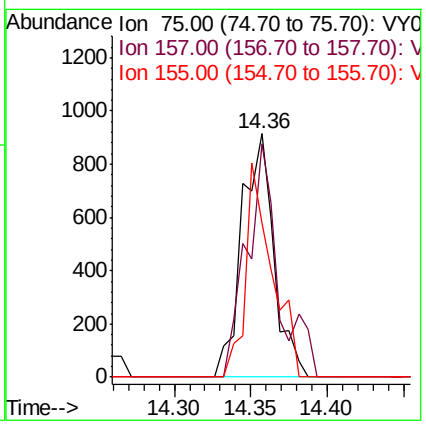


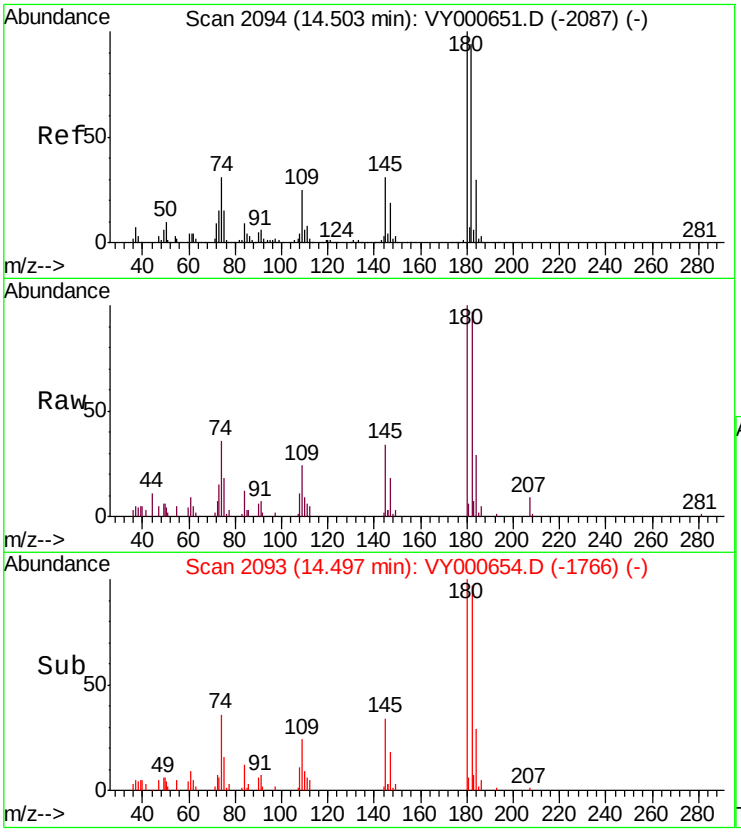




#66
1,2-Dibromo-3-chloropropane
Concen: 1.374 ug/L
RT: 14.36 min Scan# 2070
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion: 75 Resp: 1324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 157 | 96.0 | 78.1 | 117.1 |
| 155 | 63.5 | 64.2 | 96.4# |



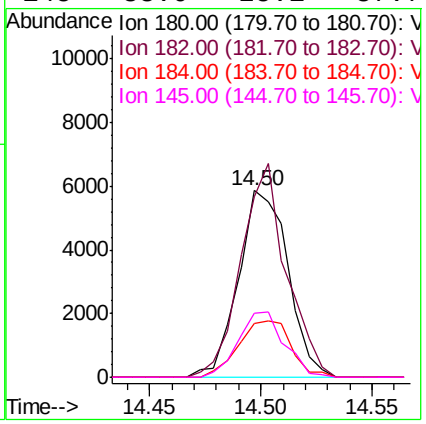


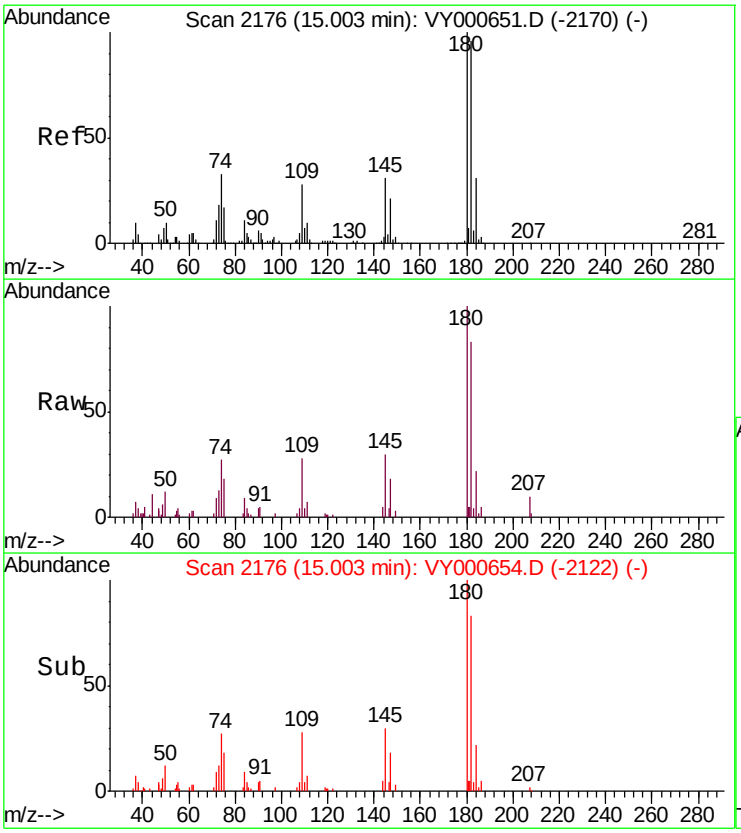

#67
1,3,5-Trichlorobenzene
Concen: 1.185 ug/L
RT: 14.50 min Scan# 2093
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:180 Resp: 9048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 105.0 | 75.6 | 113.4 |
| 184 | 32.3 | 24.5 | 36.7 |
| 145 | 33.0 | 25.1 | 37.7 |

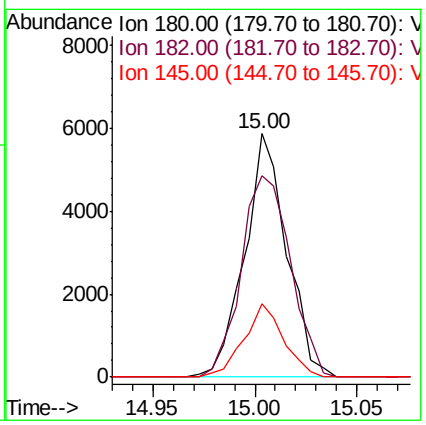


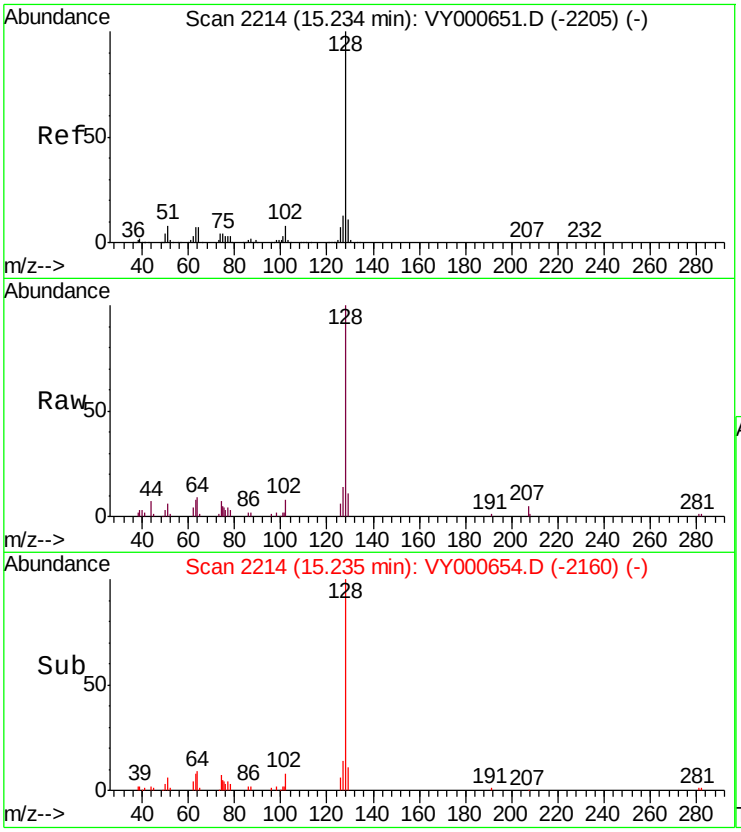




#68
1,2,4-trichlorobenzene
Concen: 1.239 ug/L
RT: 15.00 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:180 Resp: 8457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.8 | 77.5 | 116.3 |
| 145 | 28.4 | 25.4 | 38.2 |



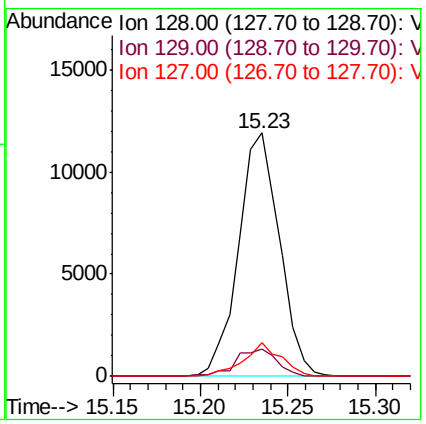


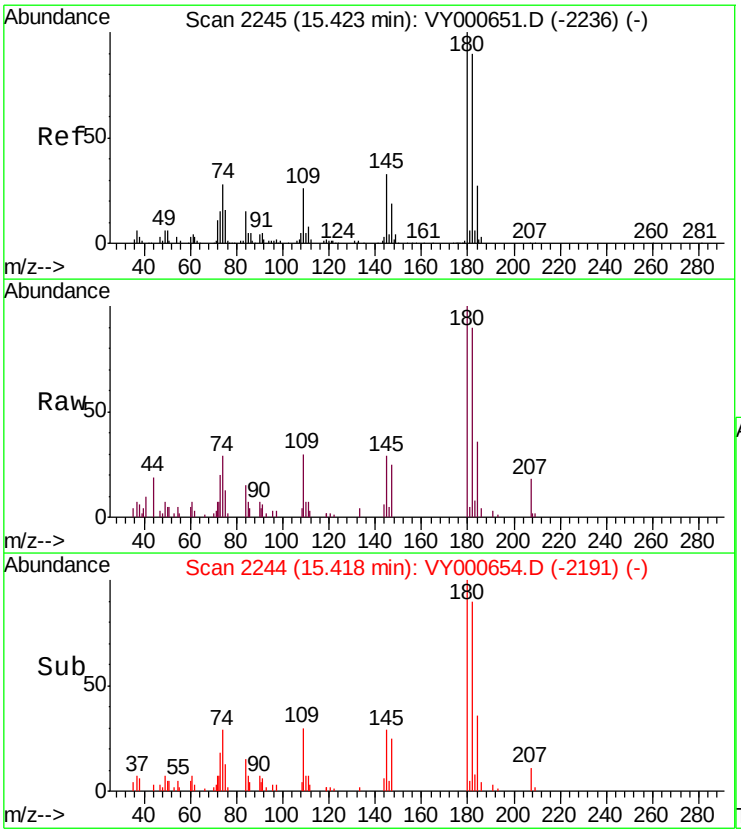

#69
Naphthalene
Concen: 1.148 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL02

Tgt Ion:128 Resp: 19528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.4 | 12.6 |
| 127 | 12.5 | 9.8 | 14.6 |




#70
1,2,3-Trichlorobenzene
Concen: 1.253 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000654.D
Acq: 12 Nov 2019 14:35

Tgt Ion:180 Resp: 7951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 76.2 | 114.4 |
| 145 | 1.1 | 26.6 | 39.8# |