Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100220\
Data File : VD067047.D
Acq On : 02 Oct 2020 20:32
Operator : VA/SY
Sample : L4226-01
Misc : 8.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TR-05-100120

Quant Time: Oct 03 04:50:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.98 | 168 | 544492 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.86 | 114 | 908875 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.64 | 117 | 830165 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152 | 367538 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.33 | 65 | 265108 | 50.55 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.10% | | | |
| 35) Dibromofluoromethane | 7.91 | 113 | 291452 | 48.98 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.96% | | | |
| 50) Toluene-d8 | 10.34 | 98 | 1069619 | 49.33 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.66% | | | |
| 62) 4-Bromofluorobenzene | 12.63 | 95 | 344131 | 46.75 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.99 | 85 | 224 | Below Cal | # | 40 |
| 5) Bromomethane | 2.77 | 94 | 57 | Below Cal | # | 62 |
| 8) Diethyl Ether | 3.71 | 74 | 2820 | 1.177 | ug/l | 95 |
| 11) Tert butyl alcohol | 5.23 | 59 | 209 | Below Cal | # | 72 |
| 16) Acetone | 4.16 | 43 | 1365 | 1.705 | ug/l # | 79 |
| 20) Methylene Chloride | 4.97 | 84 | 72322 | 6.384 | ug/l | 93 |
| 26) 2,2-Dichloropropane | 7.20 | 77 | 67 | Below Cal | # | 53 |
| 31) Cyclohexane | 7.97 | 56 | 10850 | 1.378 | ug/l # | 7 |
| 36) 1,1-Dichloropropene | 7.98 | 75 | 39405 | 4.651 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 7.98 | 117 | 56282 | 6.140 | ug/l # | 14 |
| 51) 4-Methyl-2-Pentanone | 10.34 | 43 | 3870 | 1.437 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 12.64 | 75 | 172590 | 53.911 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75 | 172590 | 134.407 | ug/l # | 12 |

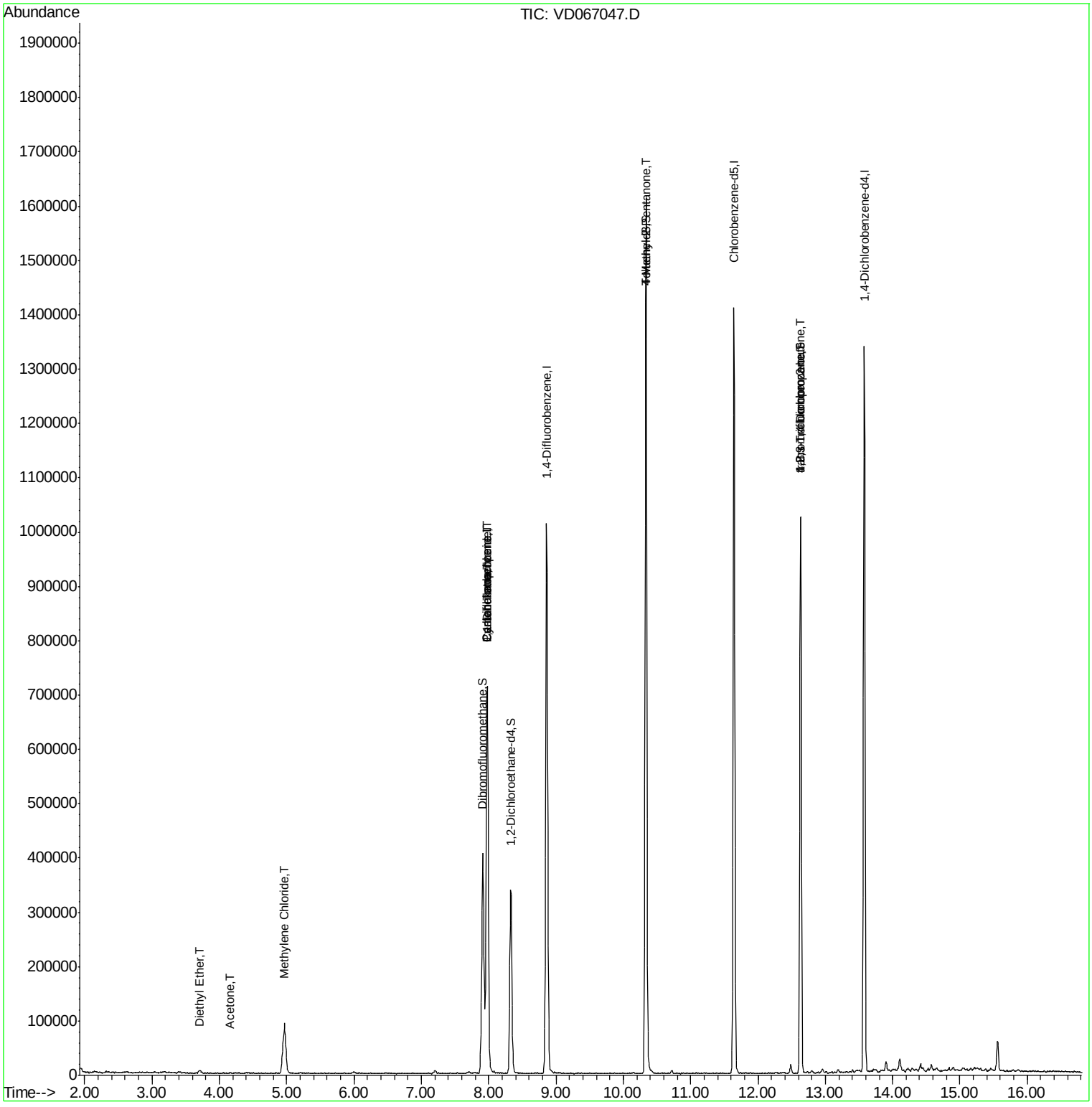
(#) = qualifier out of range (m) = manual integration (+) = signals summed

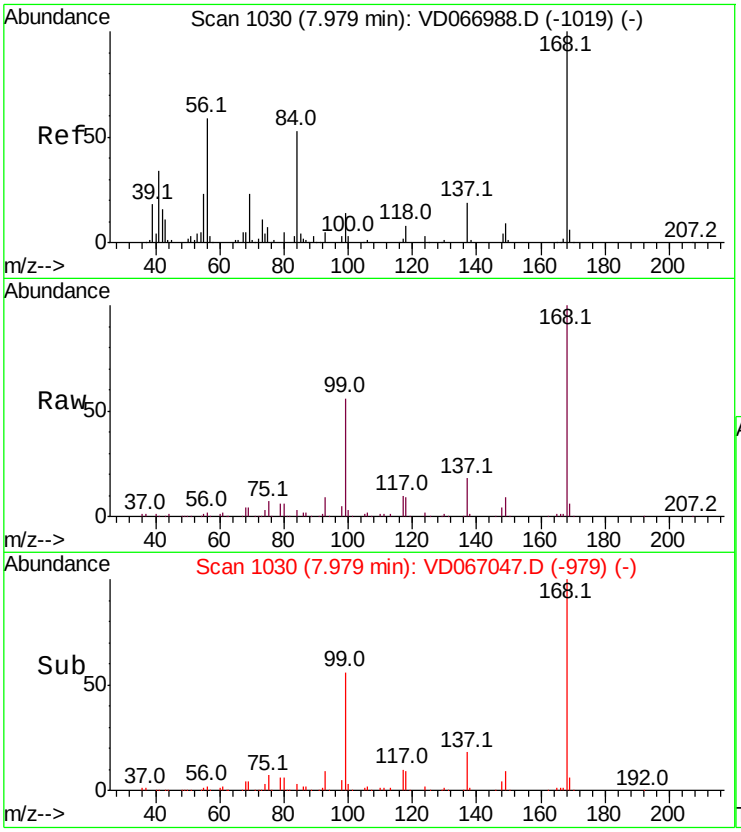
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100220\
Data File : VD067047.D
Acq On : 02 Oct 2020 20:32
Operator : VA/SY
Sample : L4226-01
Misc : 8.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Quant Time: Oct 03 04:50:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration



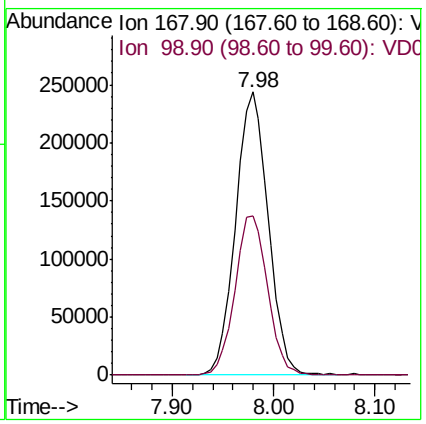


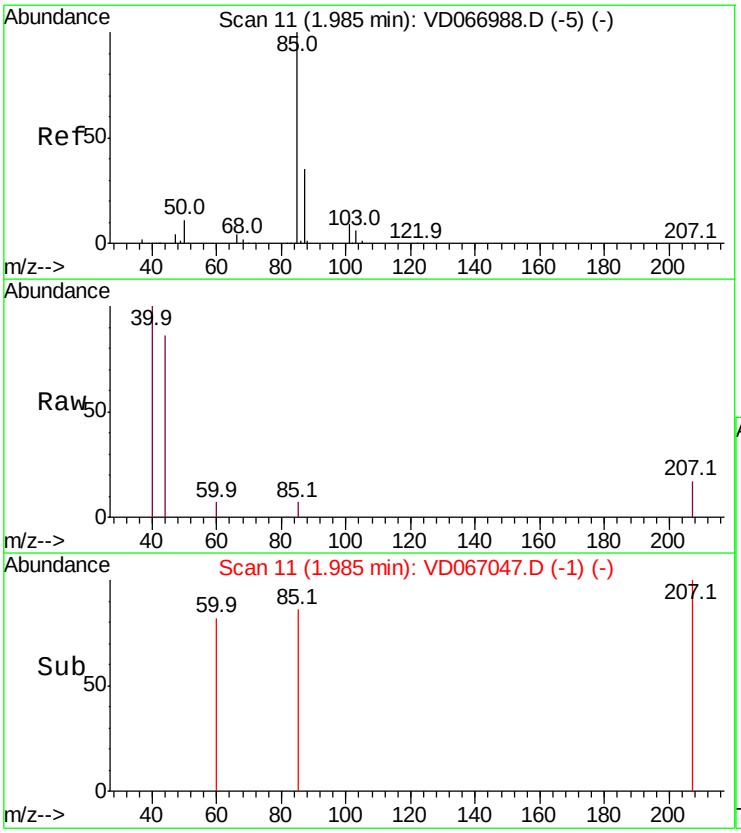

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Tgt Ion:168 Resp: 544492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.2 | 44.1 | 66.1 |

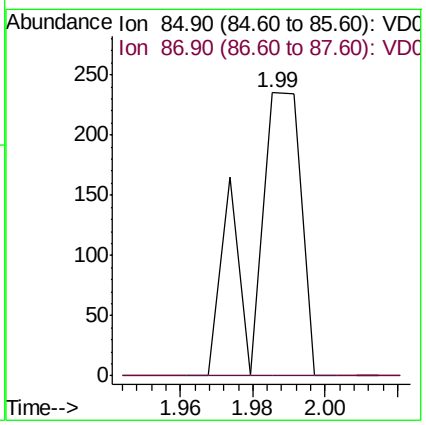


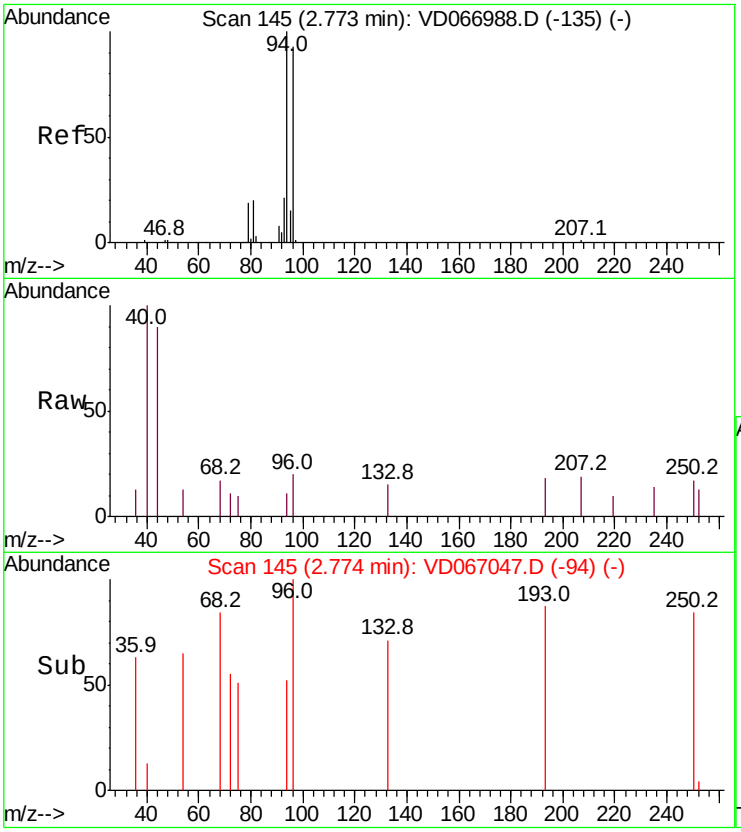




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.99 min Scan# 11
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion: 85 Resp: 224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 17.3 | 52.0# |



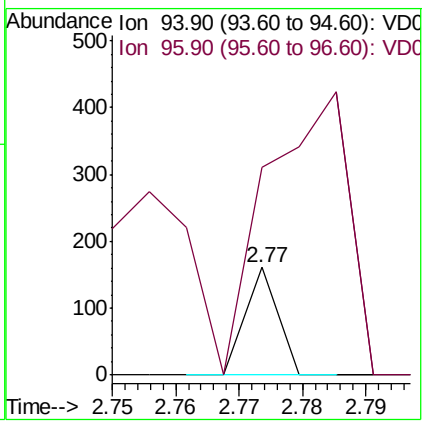


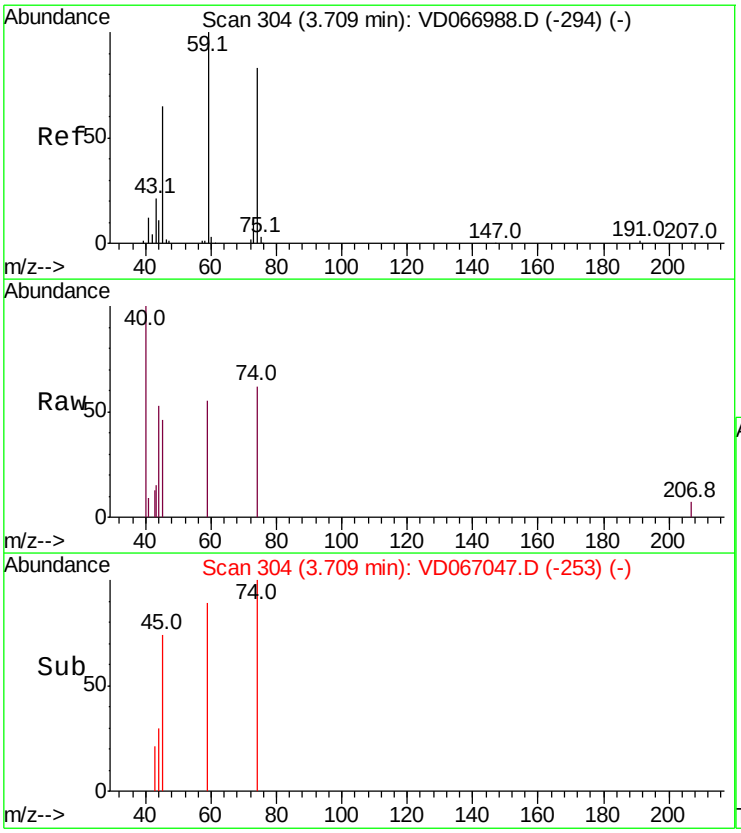

#5
Bromomethane
Concen: Below Cal
RT: 2.77 min Scan# 145
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Tgt Ion: 94 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 56.5 | 74.6 | 112.0# |

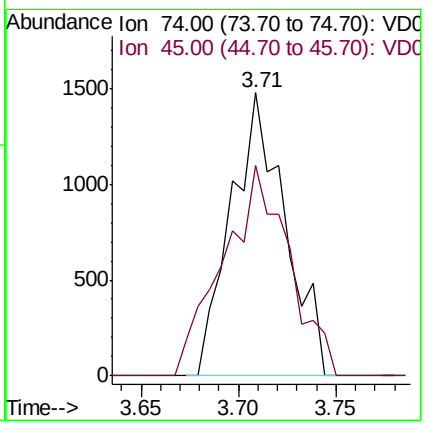


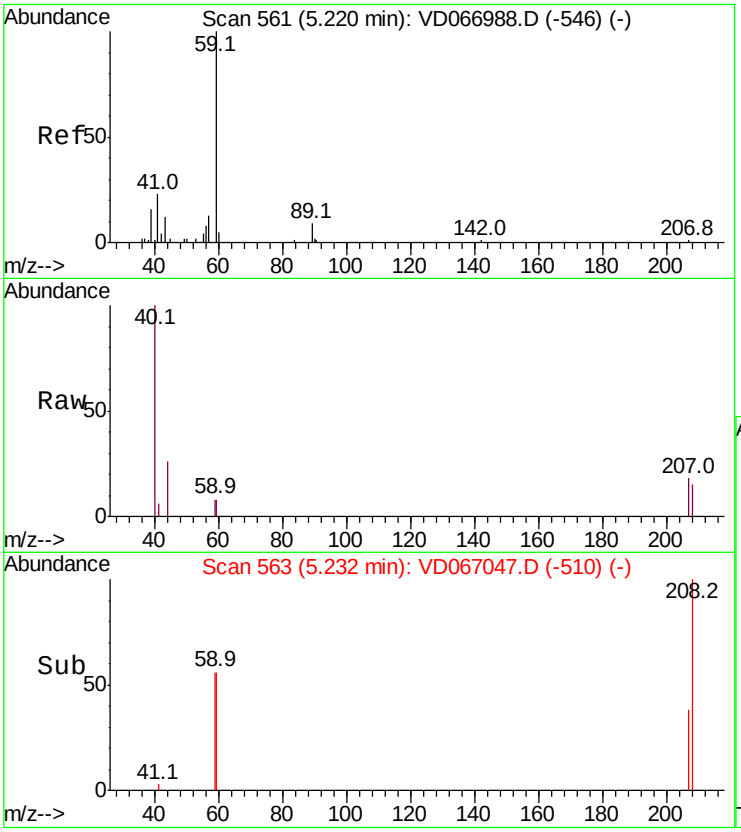




#8
Diethyl Ether
Concen: 1.177 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion: 74 Resp: 2820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 90.8 | 43.1 | 129.3 |



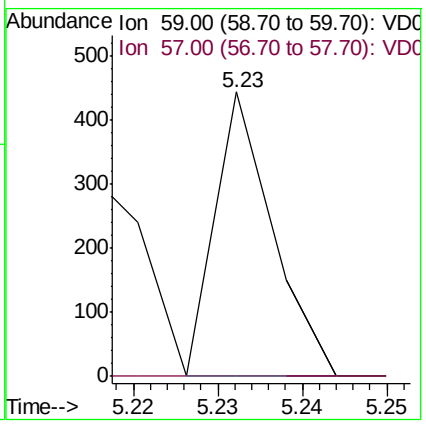


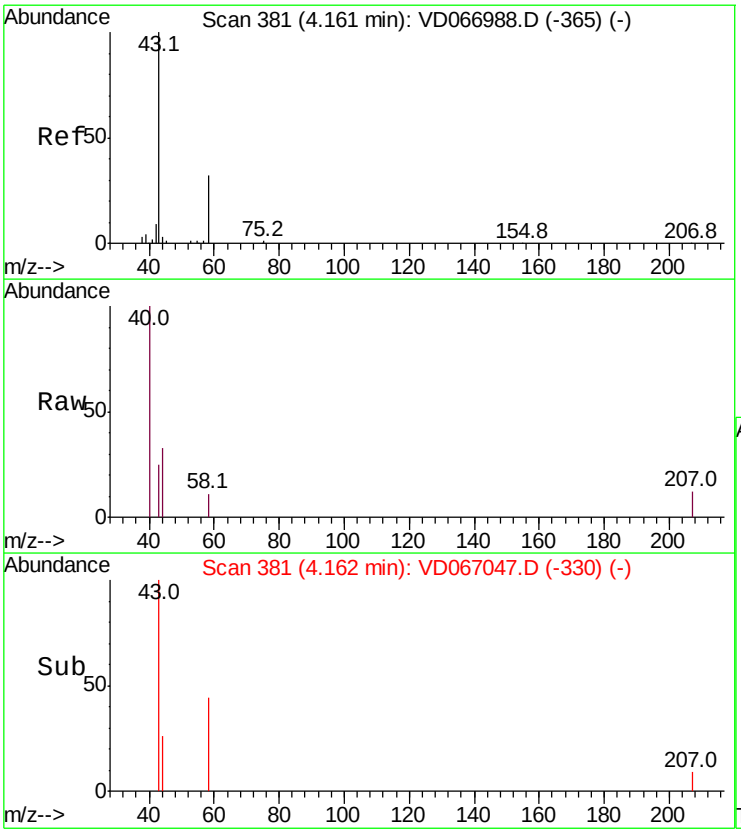

#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :** MSVOA_D
**ClientSampleId :** TR-05-100120

Tgt Ion: 59 Resp: 209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.2 | 12.4# |

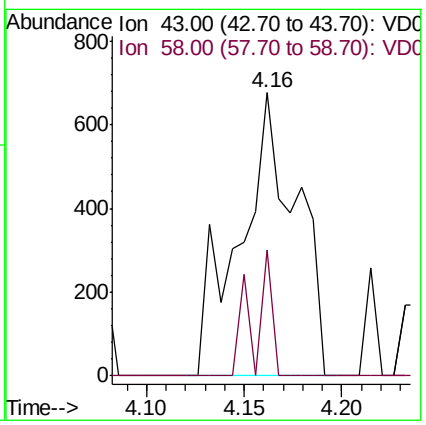


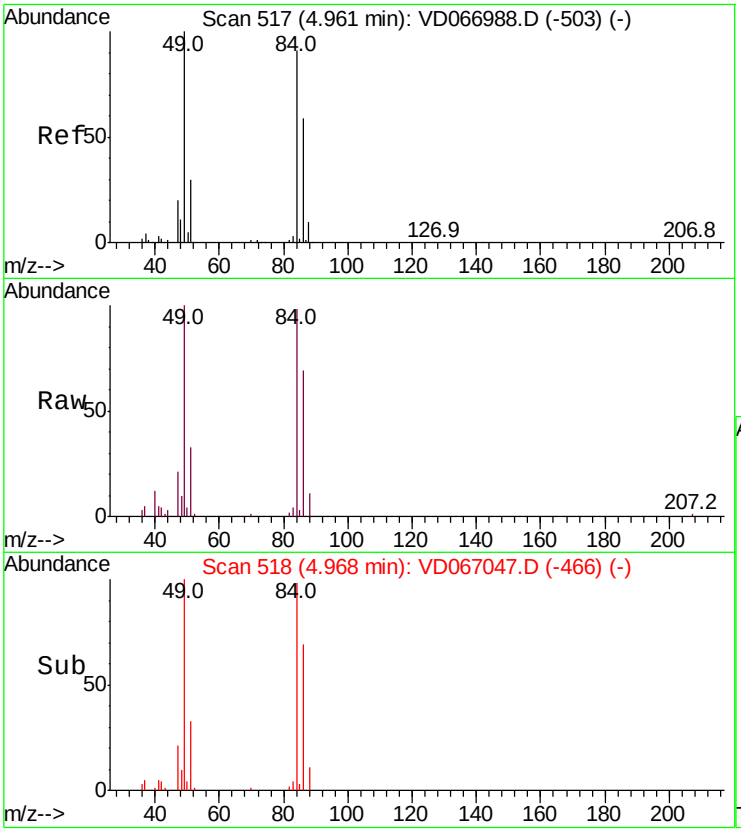




#16
Acetone
Concen: 1.705 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion: 43 Resp: 1365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 44.4 | 25.9 | 38.9# |



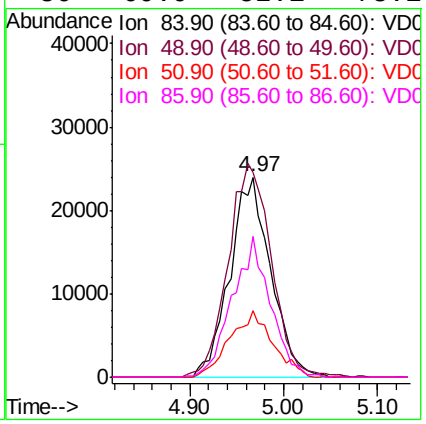


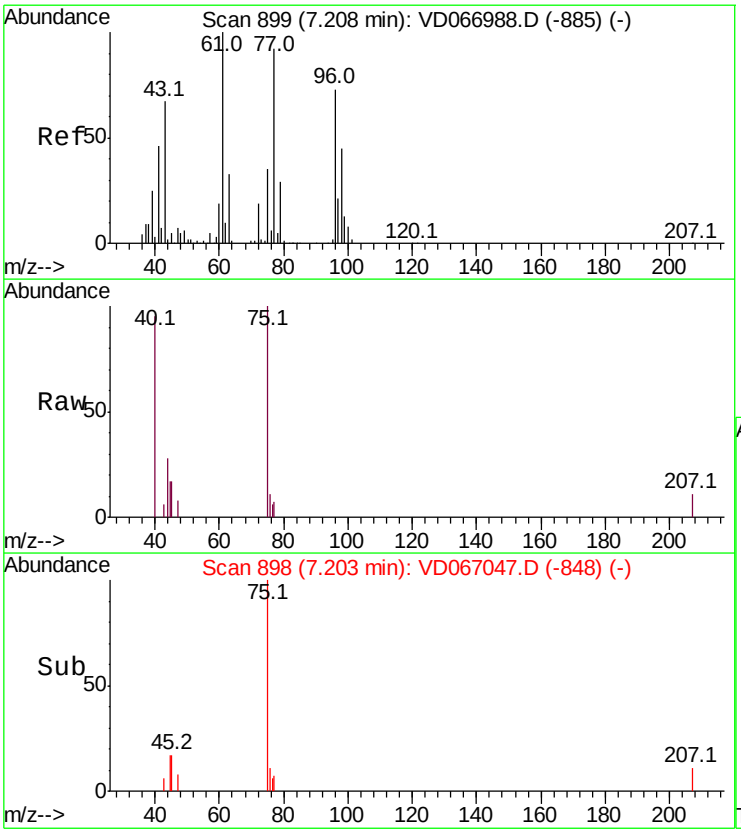

#20
Methylene Chloride
Concen: 6.384 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :** MSVOA_D
**ClientSampleId :** TR-05-100120

Tgt Ion: 84 Resp: 72322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 101.1 | 88.2 | 132.2 |
| 51 | 33.5 | 26.6 | 39.8 |
| 86 | 69.9 | 52.1 | 78.1 |

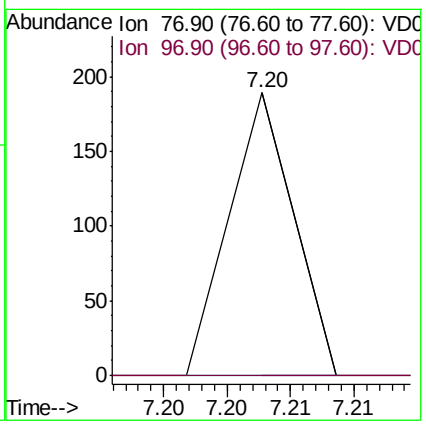


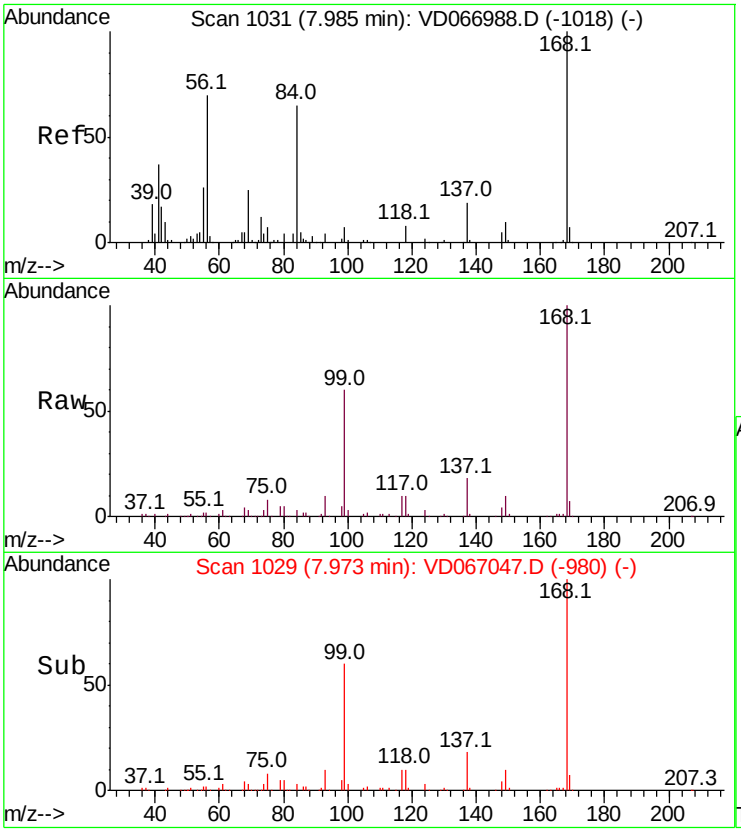




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion: 77 Resp: 67

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 0.0 | 11.4 | 34.2# |



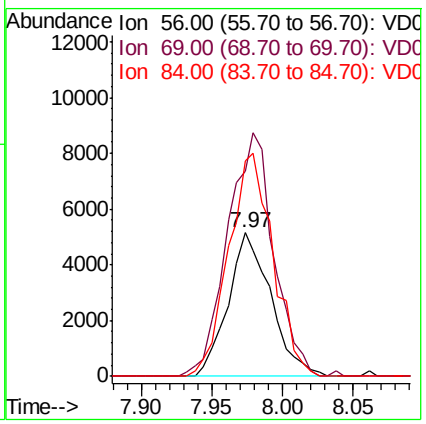


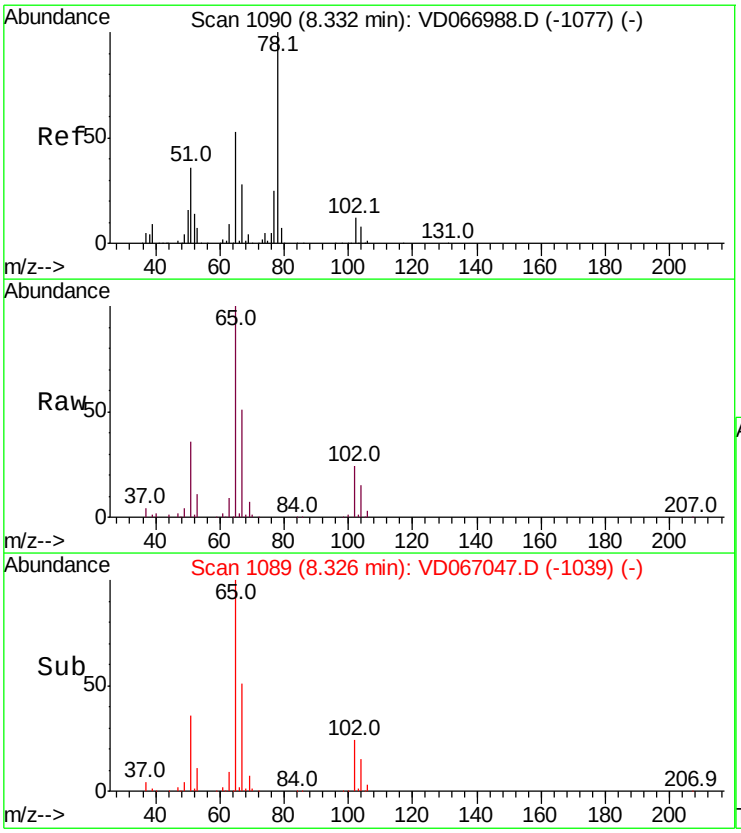

#31
Cyclohexane
Concen: 1.378 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :** MSVOA_D
**ClientSampleId :** TR-05-100120

Tgt Ion: 56 Resp: 10850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 140.1 | 29.0 | 43.6# |
| 84 | 150.3 | 74.2 | 111.2# |

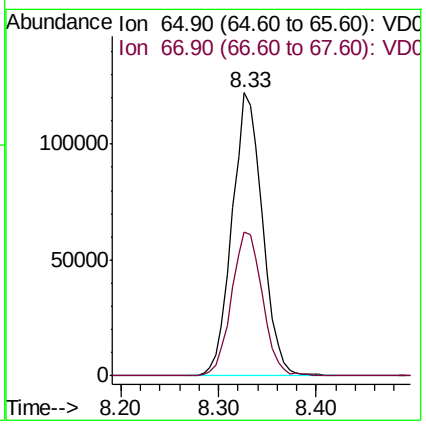


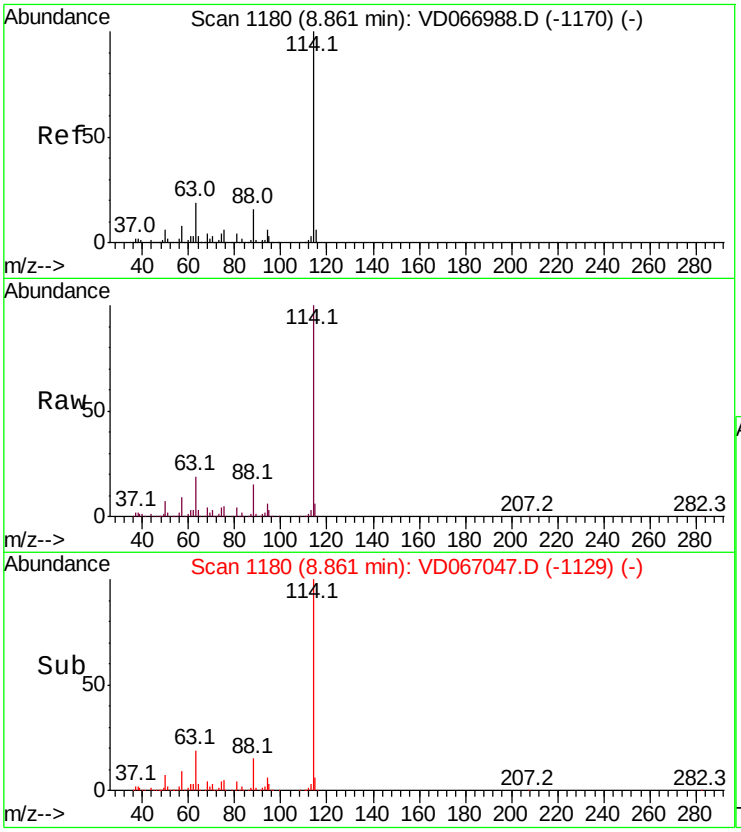




#33
1,2-Dichloroethane-d4
Concen: 50.550 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion: 65 Resp: 265108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 106.8 |



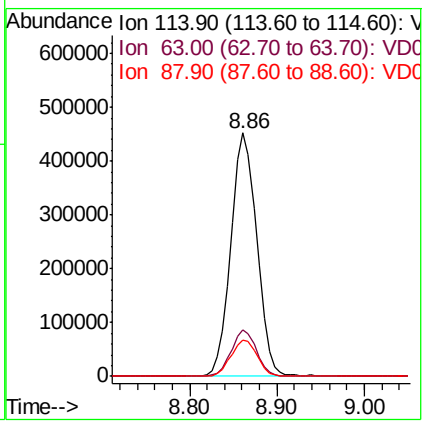


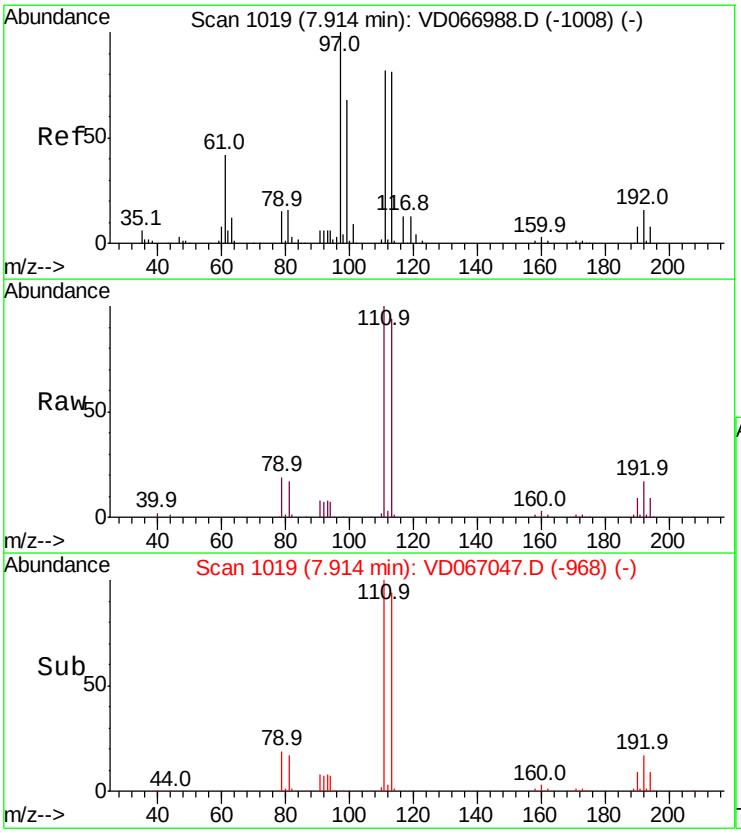

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Tgt Ion:114 Resp: 908875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 38.4 |
| 88 | 14.7 | 0.0 | 31.2 |

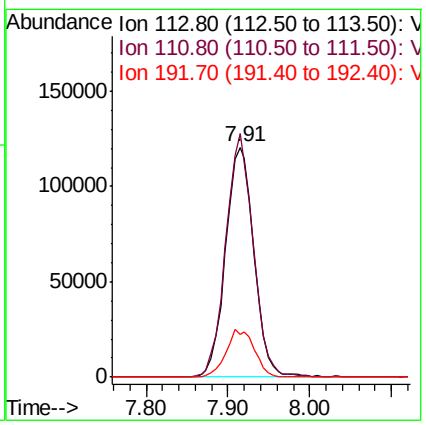


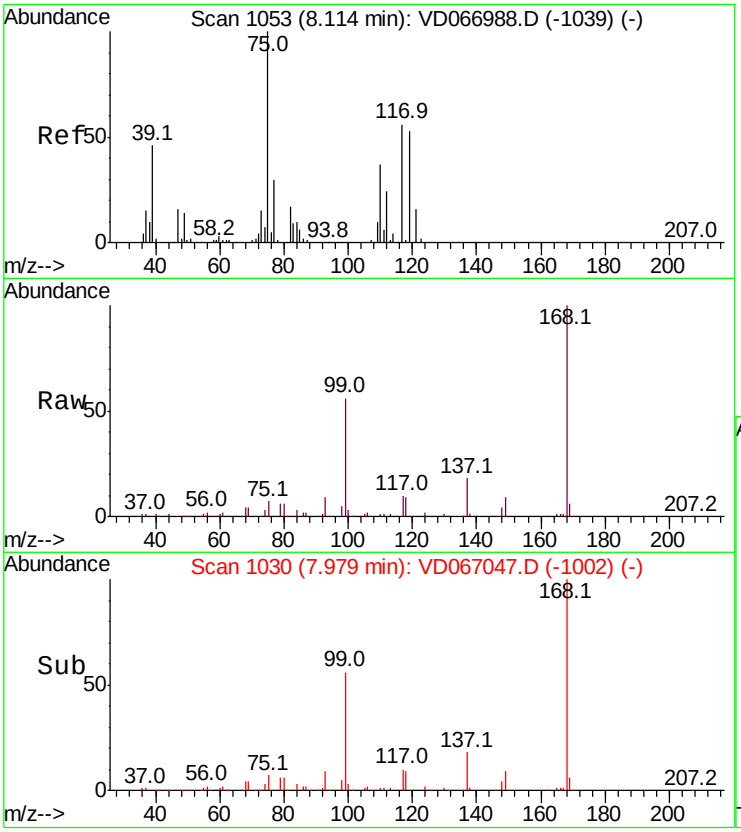




#35
Dibromofluoromethane
Concen: 48.982 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion:113 Resp: 291452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 83.0 | 124.4 |
| 192 | 20.4 | 15.5 | 23.3 |



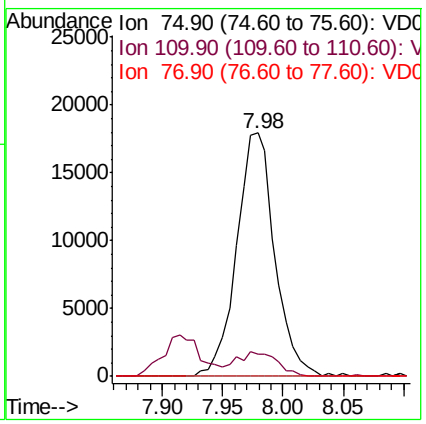


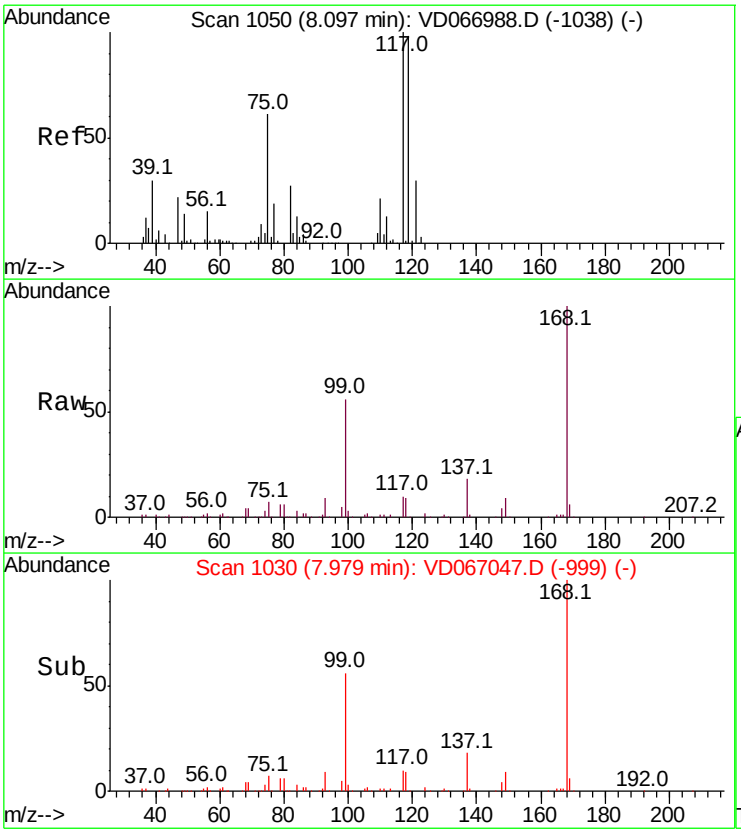

#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Tgt Ion: 75 Resp: 39405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.8 | 18.4 | 55.0# |
| 77 | 0.0 | 24.8 | 37.2# |

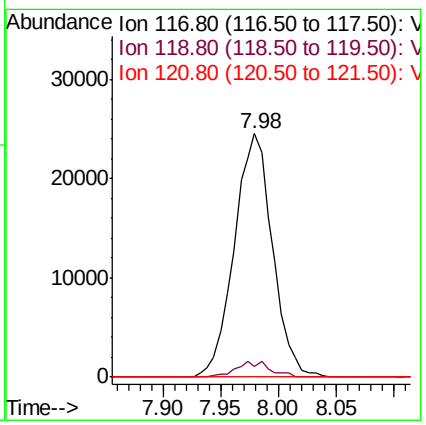


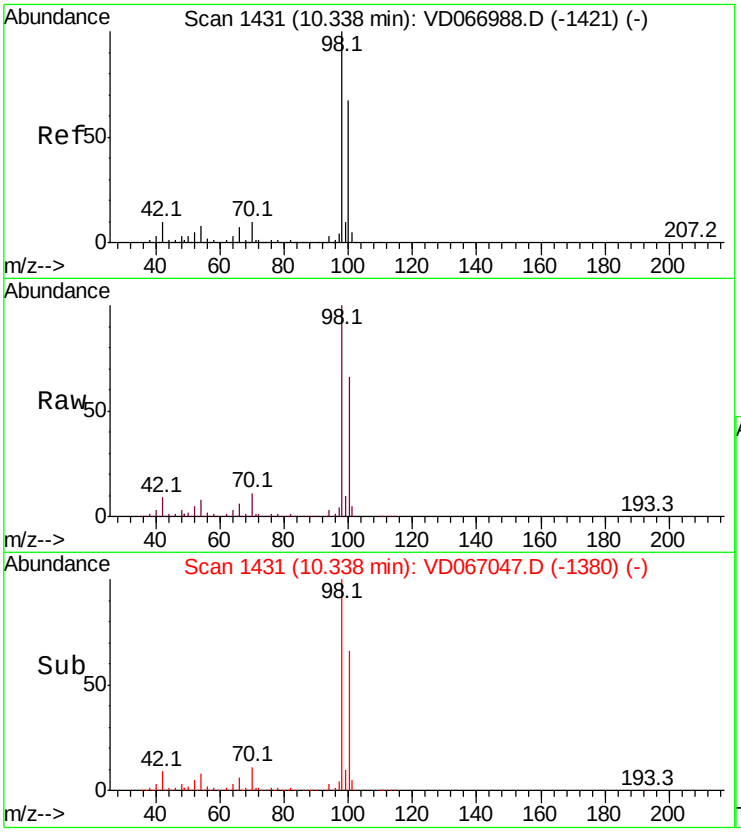




#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion:117 Resp: 56282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.5 | 78.7 | 118.1# |
| 121 | 0.0 | 24.2 | 36.2# |



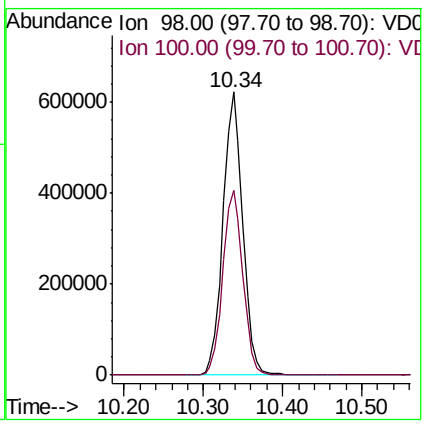


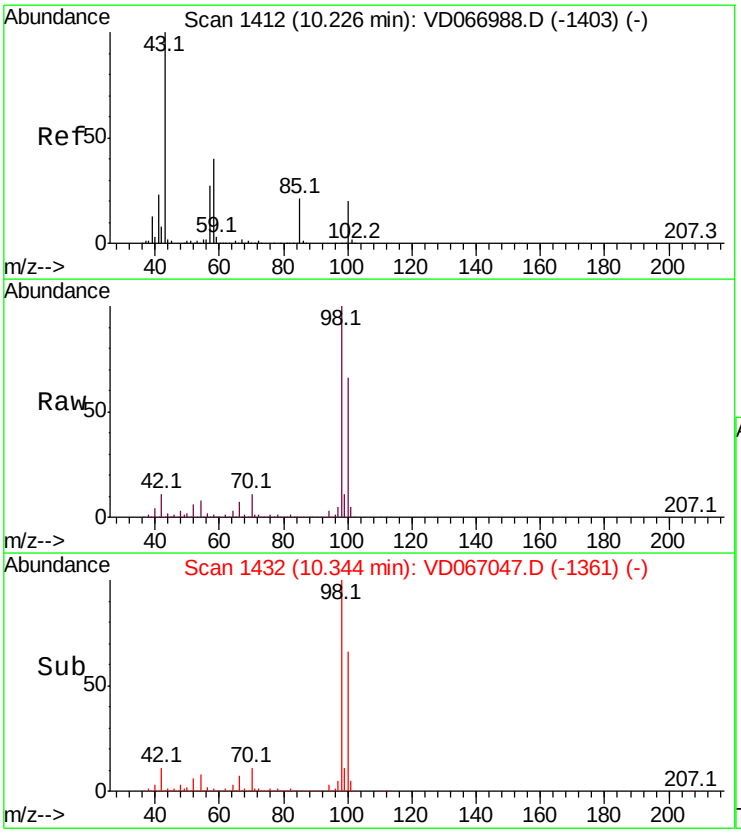

#50
Toluene-d8
Concen: 49.332 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Tgt Ion: 98 Resp: 1069619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 52.8 | 79.2 |

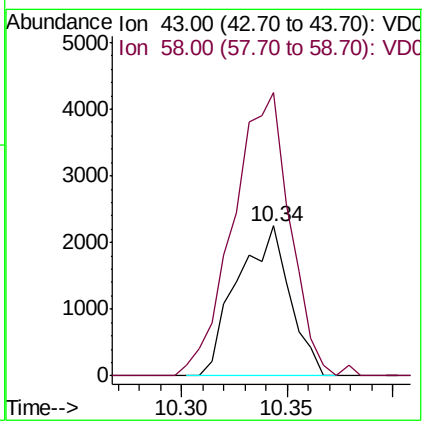


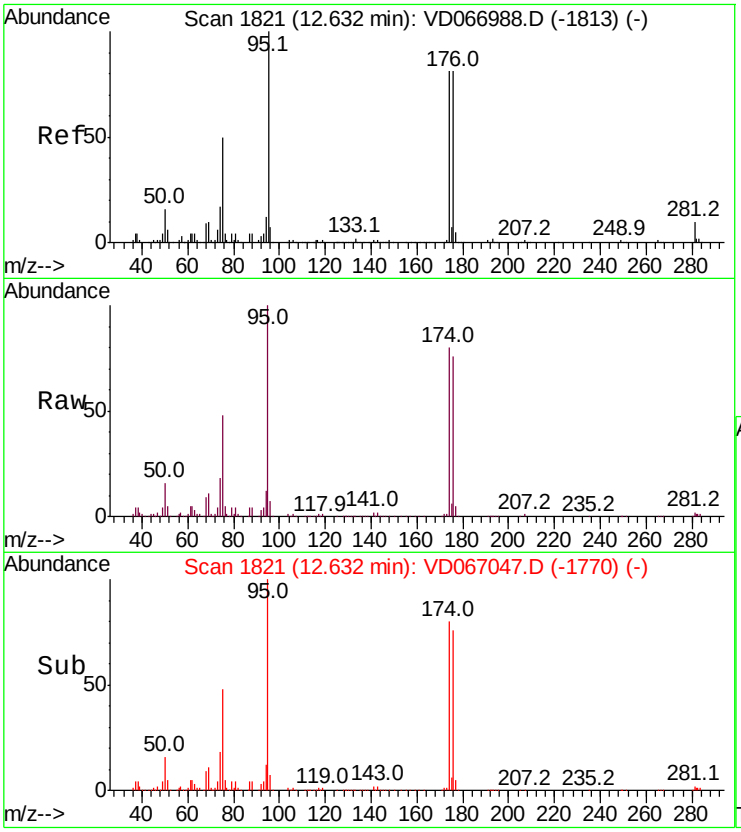




#51
4-Methyl-2-Pentanone
Concen: 1.437 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion: 43 Resp: 3870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 206.3 | 33.8 | 50.8# |



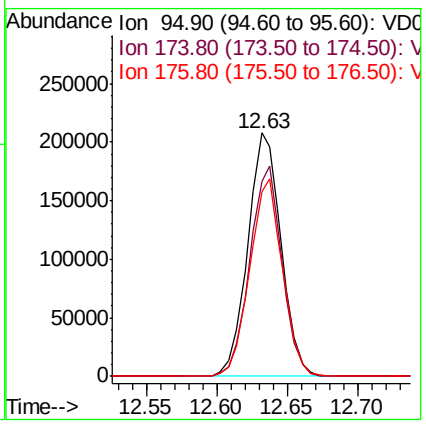


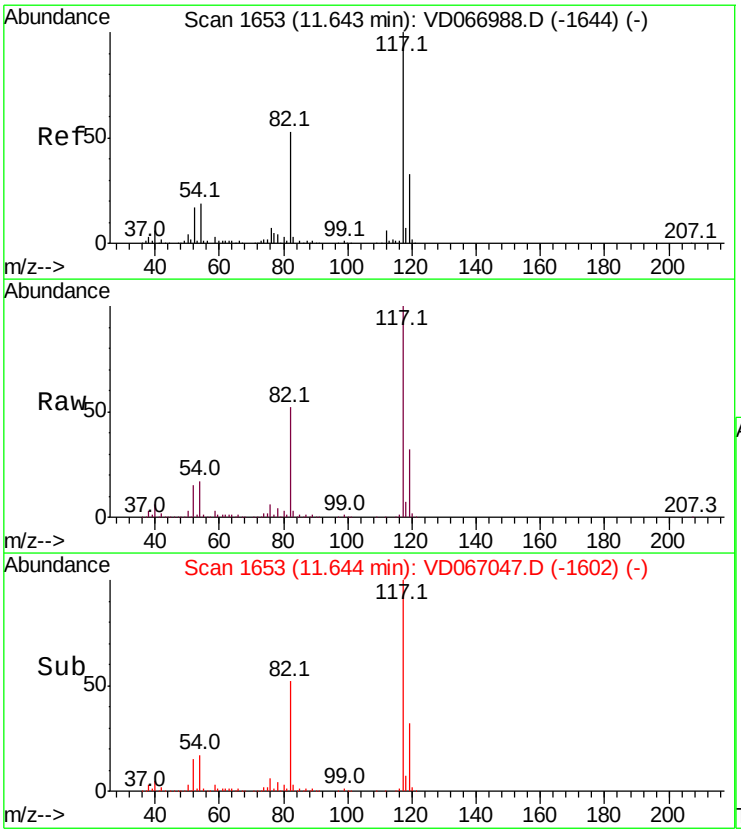

#62
4-Bromofluorobenzene
Concen: 46.754 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Tgt Ion: 95 Resp: 344131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.7 | 0.0 | 167.6 |
| 176 | 79.9 | 0.0 | 162.4 |

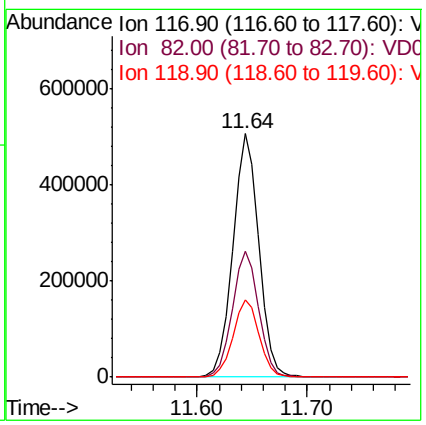


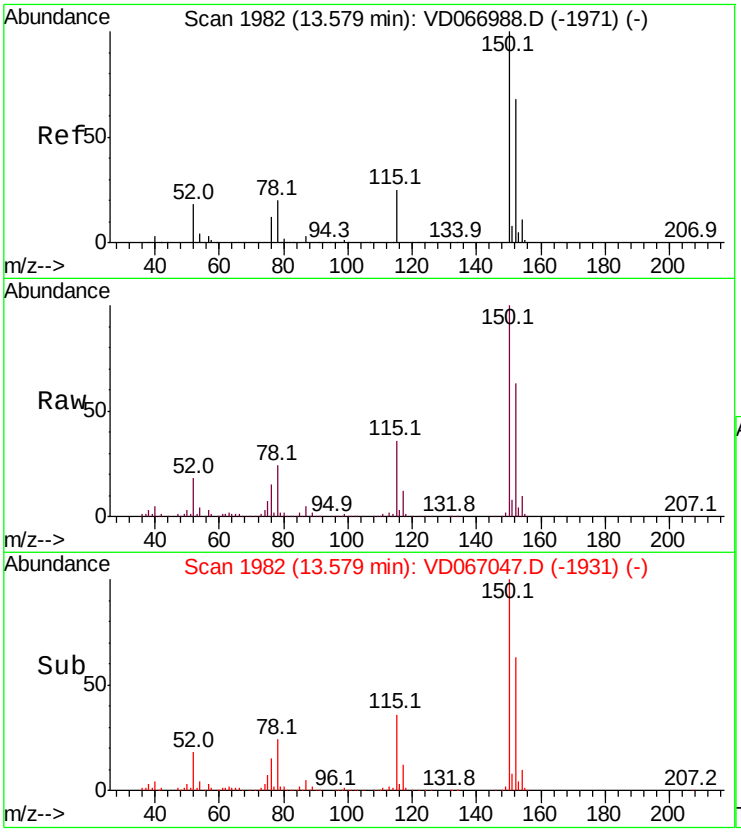




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion:117 Resp: 830165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.8 | 42.6 | 63.8 |
| 119 | 31.6 | 26.3 | 39.5 |



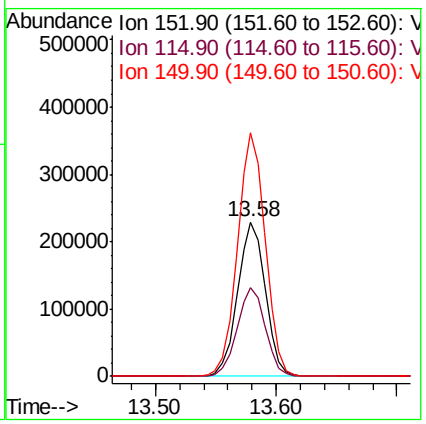


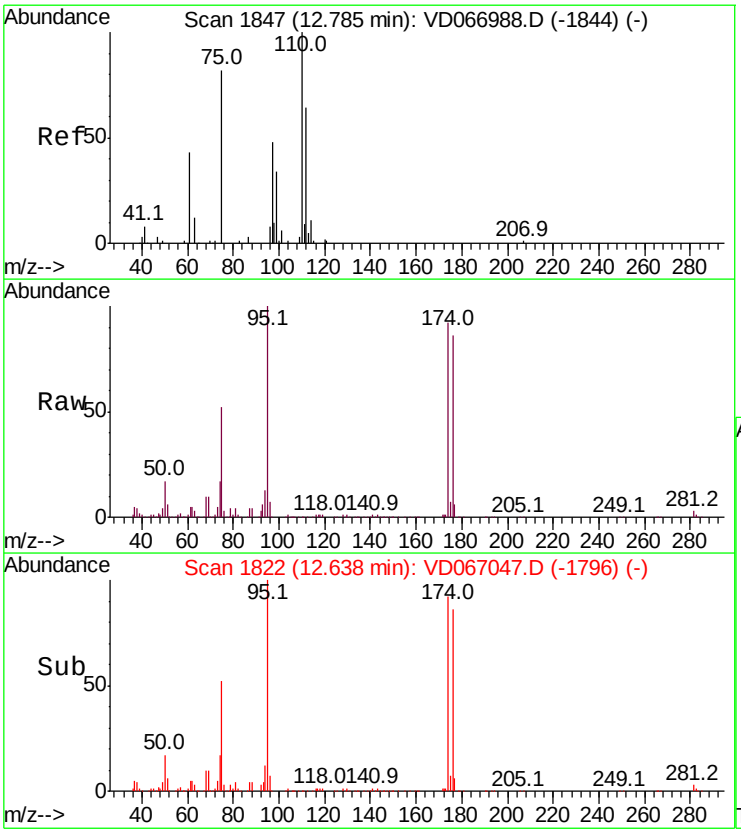

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Tgt Ion:152 Resp: 367538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.6 | 29.6 | 88.8 |
| 150 | 157.7 | 0.0 | 344.8 |

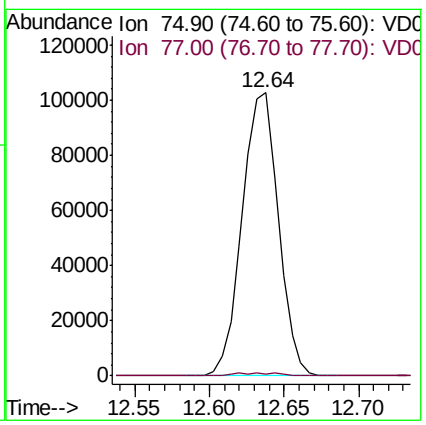


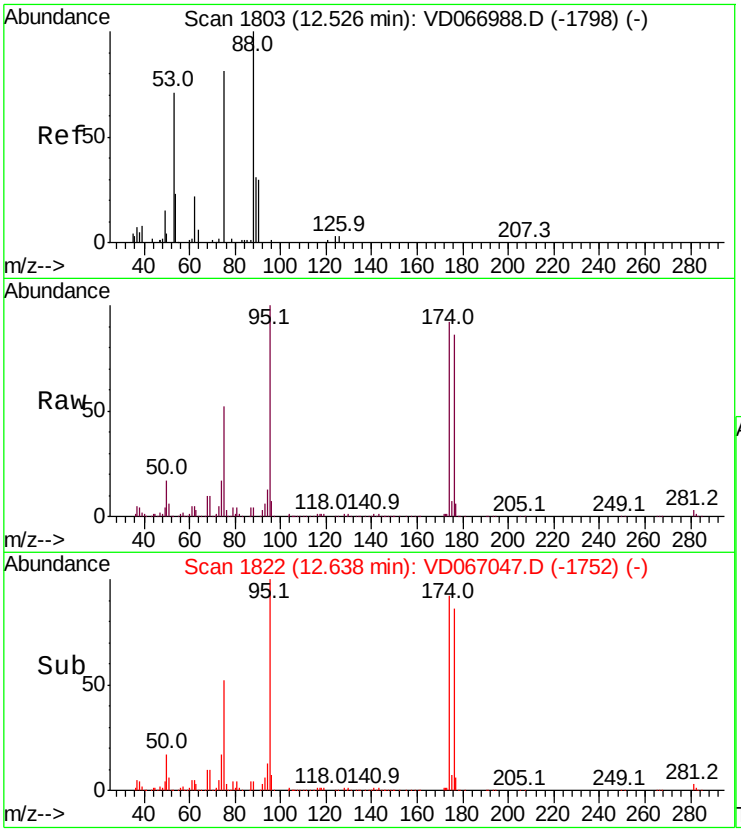




#76
1,2,3-Trichloropropane
Concen: 53.911 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

Tgt Ion: 75 Resp: 172590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 0.0 | 0.0# |






#81
trans-1,4-Dichloro-2-butene
Concen: 134.407 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD067047.D
Acq: 02 Oct 2020 20:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
TR-05-100120

Tgt Ion: 75 Resp: 172590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 73.8 | 110.6# |
| 89 | 0.0 | 38.9 | 58.3# |