Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012820\
Data File : VD064974.D
Acq On : 28 Jan 2020 11:27
Operator : VA/SY
Sample : VD0128SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :**

Quant Time: Jan 29 01:32:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.98 | 168 | 539199 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.87 | 114 | 863208 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.65 | 117 | 838167 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152 | 398460 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.34 | 65 | 267524 | 51.72 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.44% | | | |
| 35) Dibromofluoromethane | 7.92 | 113 | 270904 | 49.94 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.88% | | | |
| 50) Toluene-d8 | 10.34 | 98 | 1061589 | 50.70 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.40% | | | |
| 62) 4-Bromofluorobenzene | 12.64 | 95 | 356626 | 55.66 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 111.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acrolein | 3.93 | 56 | 367 | 1.024 | ug/l # | 35 |
| 15) Acrylonitrile | 5.42 | 53 | 1191 | 1.154 | ug/l # | 44 |
| 16) Acetone | 4.17 | 43 | 7375 | 18.640 | ug/l # | 88 |
| 20) Methylene Chloride | 4.97 | 84 | 9484 | Below Cal | # | 74 |
| 25) 2-Butanone | 7.21 | 43 | 4567 | 3.268 | ug/l # | 87 |
| 29) Tetrahydrofuran | 7.58 | 42 | 1347 | 1.562 | ug/l # | 60 |
| 31) Cyclohexane | 7.98 | 56 | 14258 | 1.582 | ug/l # | 54 |
| 49) 1,4-Dioxane | 9.46 | 88 | 56 | 1.591 | ug/l # | 27 |
| 51) 4-Methyl-2-Pentanone | 10.23 | 43 | 4146 | 1.269 | ug/l # | 79 |
| 76) 1,2,3-Trichloropropane | 12.64 | 75 | 191350 | 57.858 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75 | 191350 | 123.540 | ug/l # | 9 |

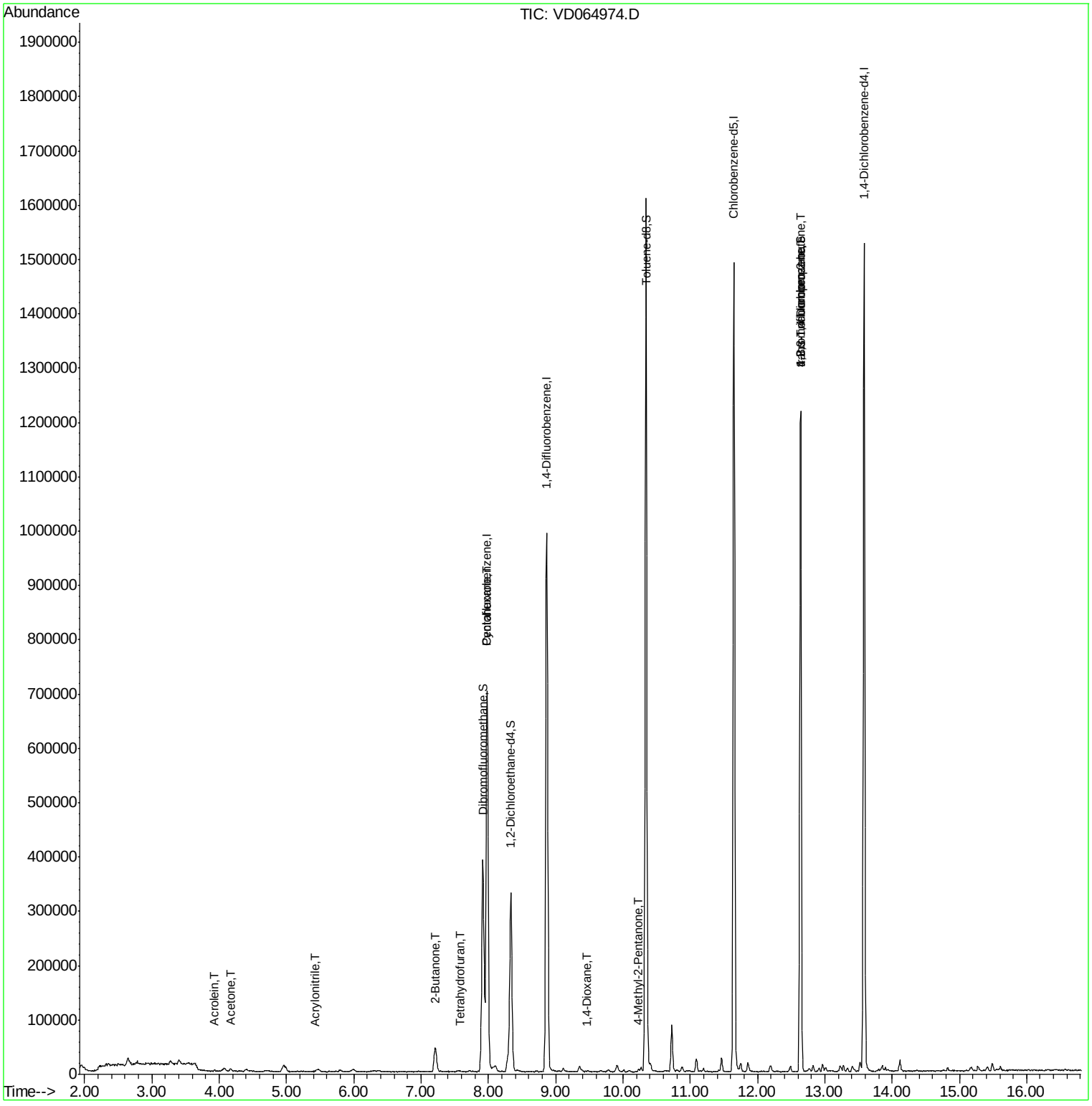
(#) = qualifier out of range (m) = manual integration (+) = signals summed

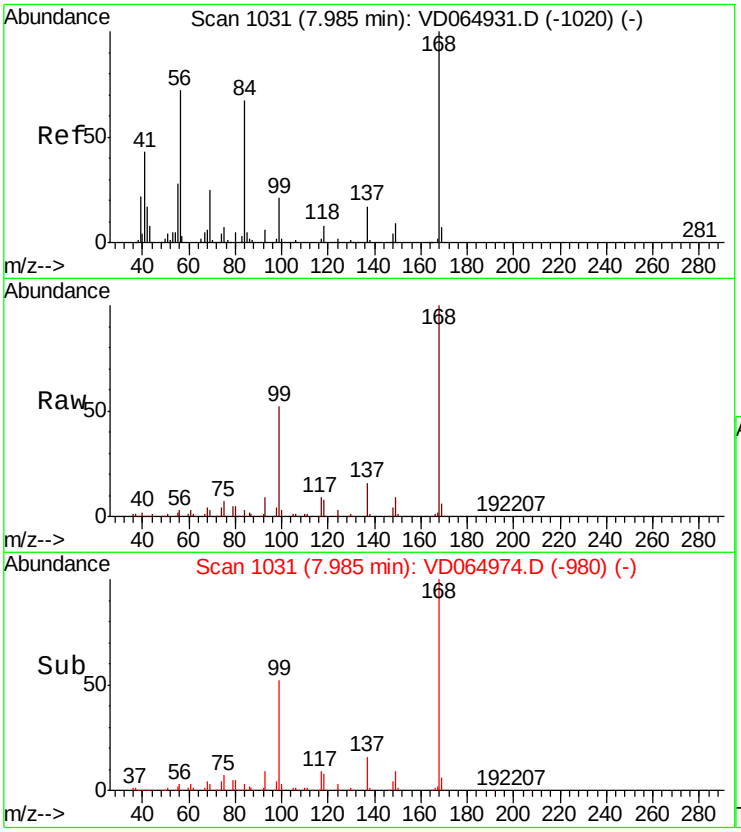
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064974.D
Acq On : 28 Jan 2020 11:27
Operator : VA/SY
Sample : VD0128SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**

Quant Time: Jan 29 01:32:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration



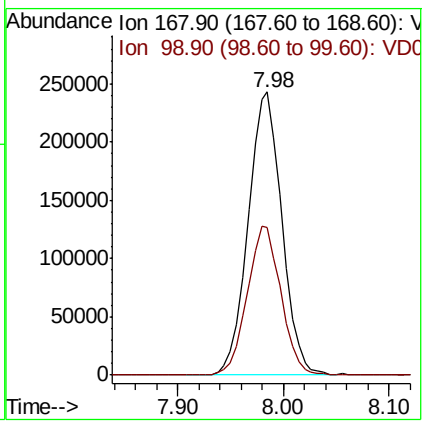


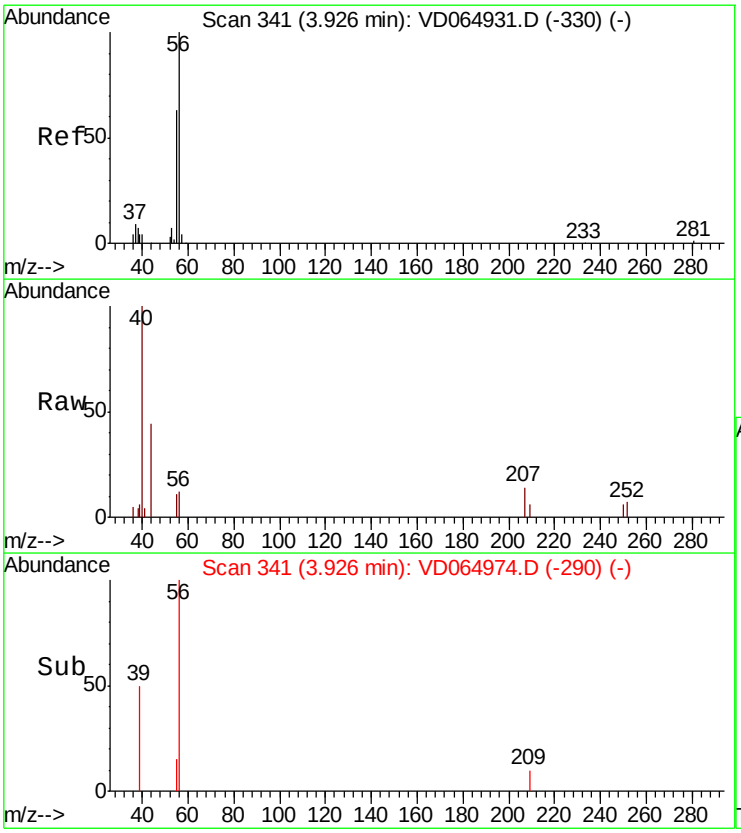

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :** MSVOA_D
**ClientSampleId :**

Tgt Ion:168 Resp: 539199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 51.7 | 43.3 | 64.9 |

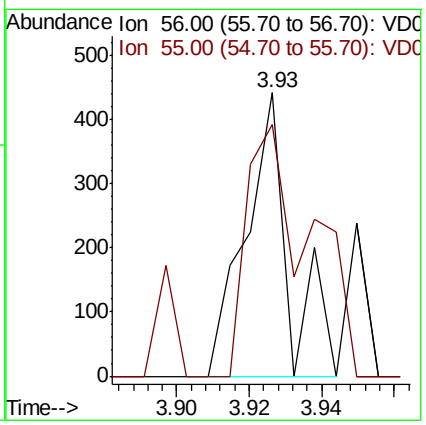


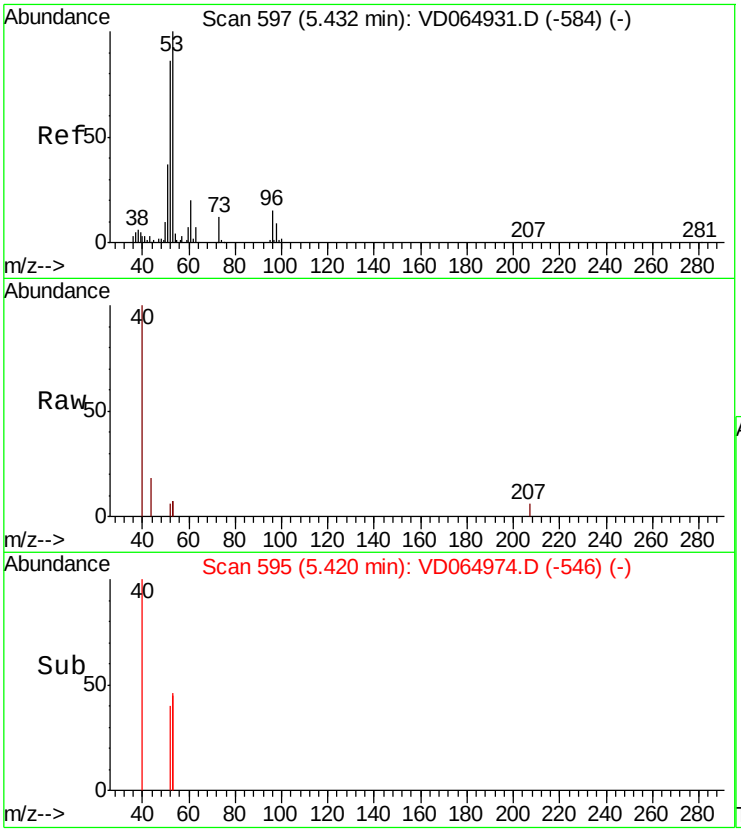




#13
Acrolein
Concen: 1.024 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion: 56 Resp: 367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 129.7 | 59.7 | 89.5# |



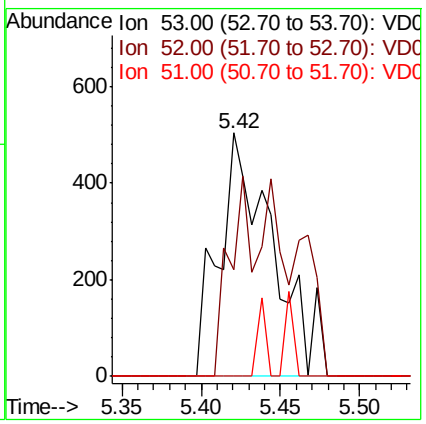


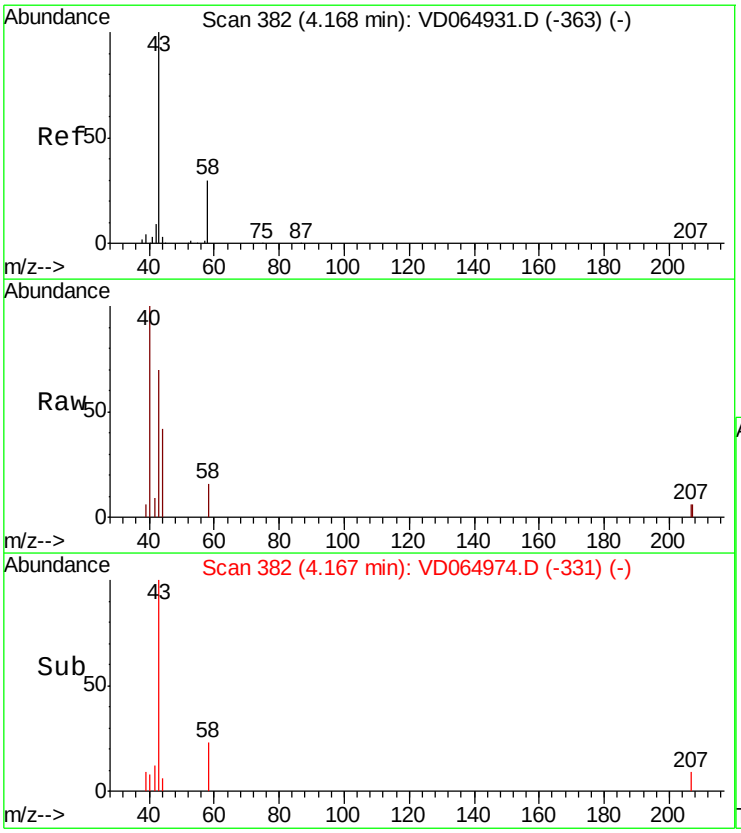

#15
Acrylonitrile
Concen: 1.154 ug/l
RT: 5.42 min Scan# 595
Delta R.T. -0.01 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :** MSVOA_D
**ClientSampleId :**

Tgt Ion: 53 Resp: 1191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 33.2 | 66.7 | 100.1# |
| 51 | 4.8 | 31.1 | 46.7# |

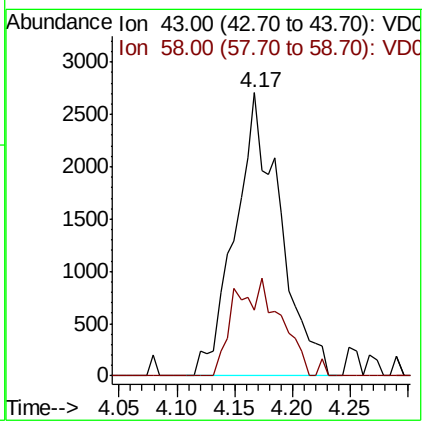


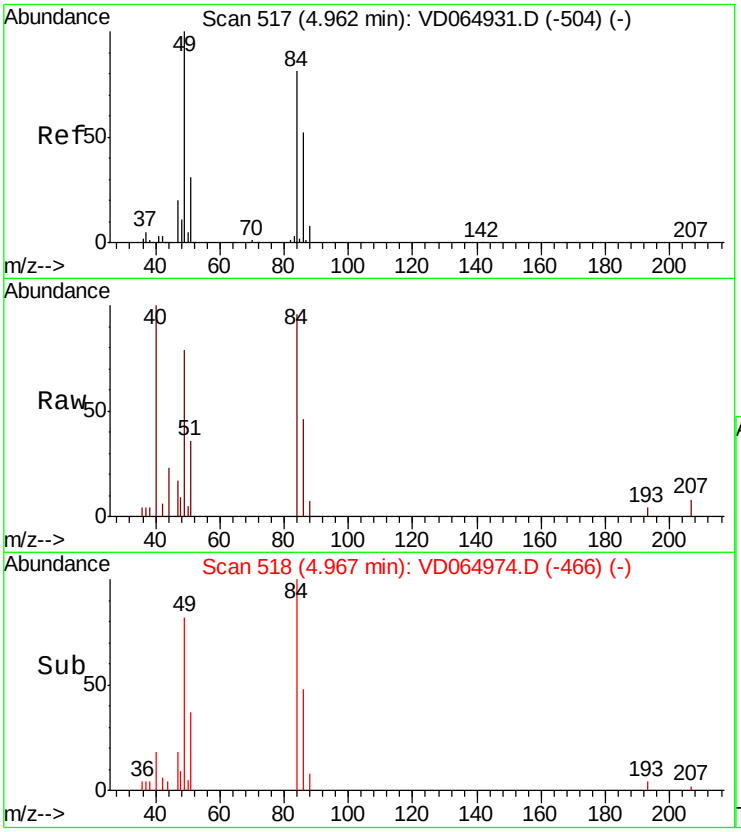




#16
Acetone
Concen: 18.640 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion: 43 Resp: 7375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.4 | 23.8 | 35.8# |



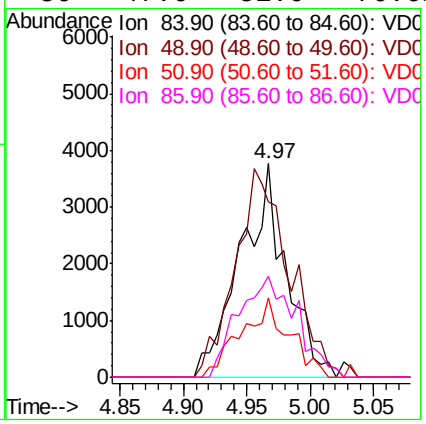


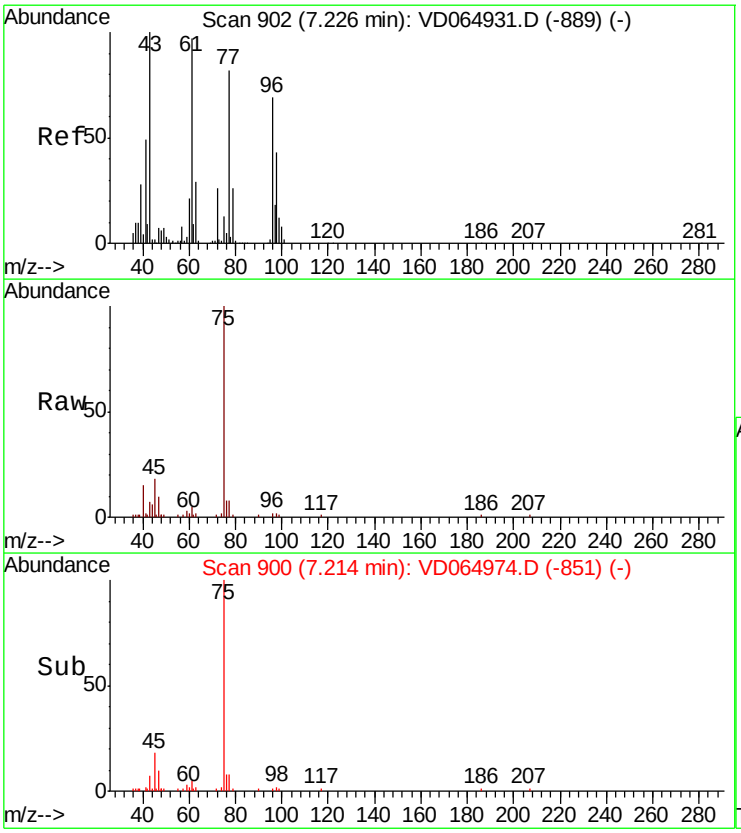

#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :** MSVOA_D
**ClientSampleId :**

Tgt Ion: 84 Resp: 9484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 82.1 | 98.4 | 147.6# |
| 51 | 37.1 | 30.8 | 46.2 |
| 86 | 47.6 | 51.0 | 76.6# |

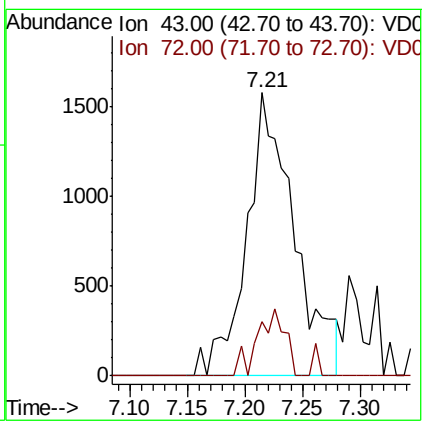


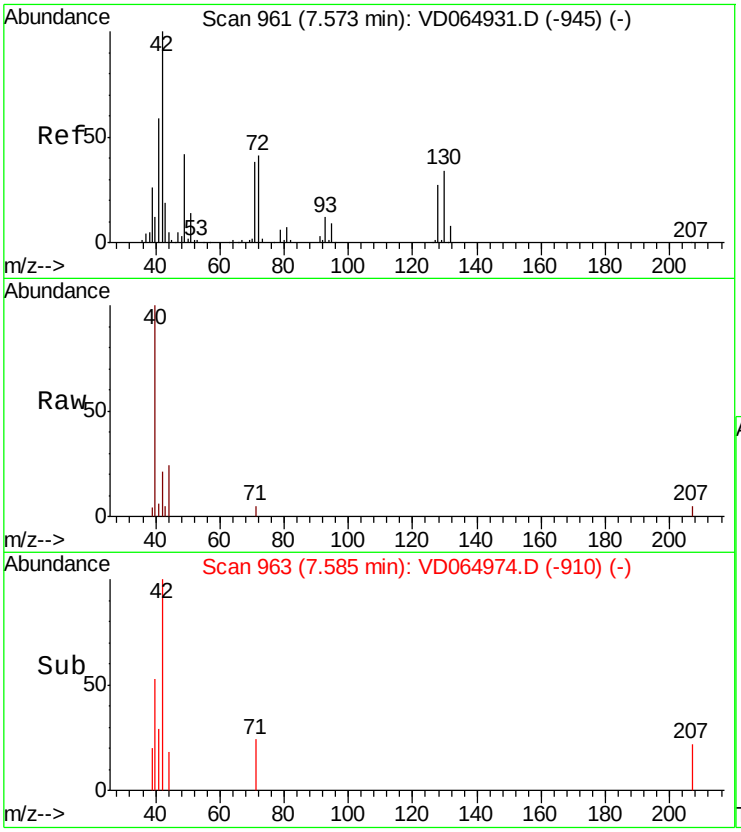




#25
2-Butanone
Concen: 3.268 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion: 43 Resp: 4567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 19.1 | 20.6 | 31.0# |



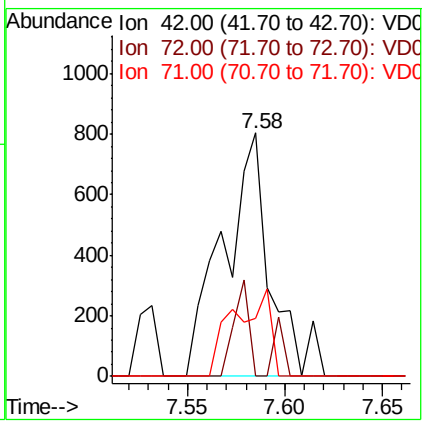


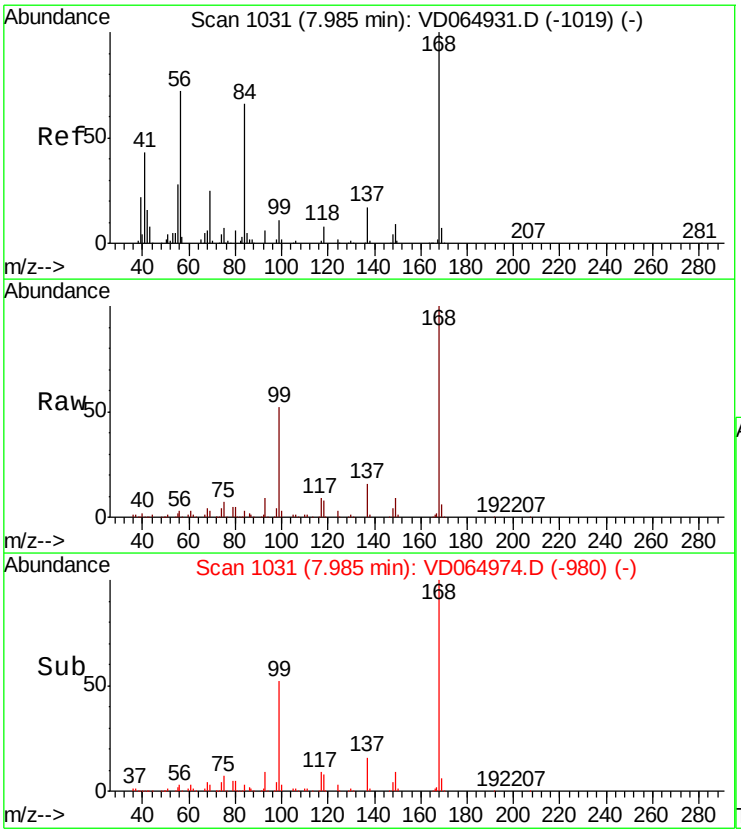

#29
Tetrahydrofuran
Concen: 1.562 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :** MSVOA_D
**ClientSampleId :**

Tgt Ion: 42 Resp: 1347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 5.0 | 34.0 | 51.0# |
| 71 | 27.8 | 31.5 | 47.3# |

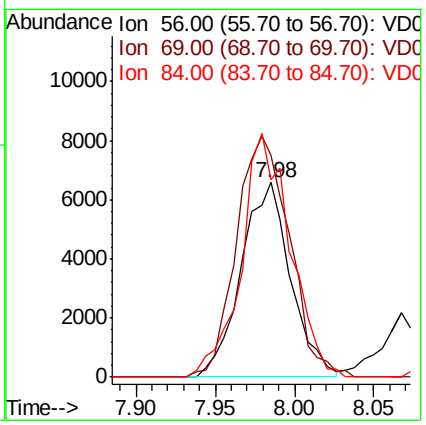


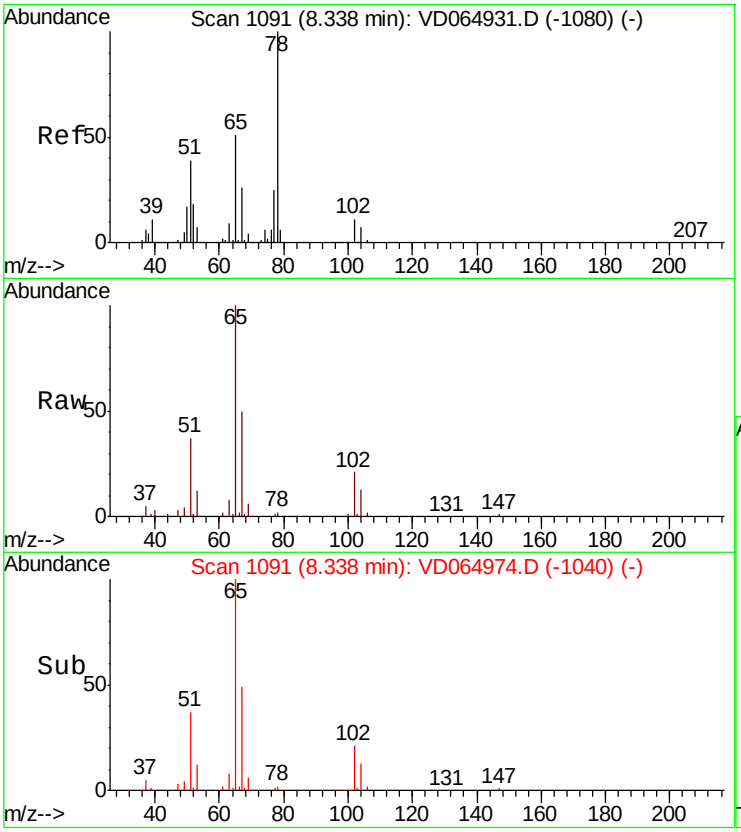




#31
Cyclohexane
Concen: 1.582 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion: 56 Resp: 14258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 114.1 | 27.9 | 41.9# |
| 84 | 101.3 | 72.8 | 109.2 |



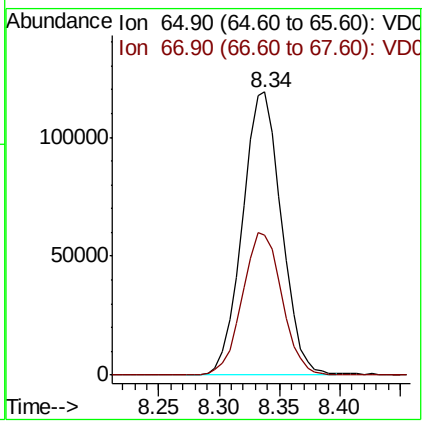


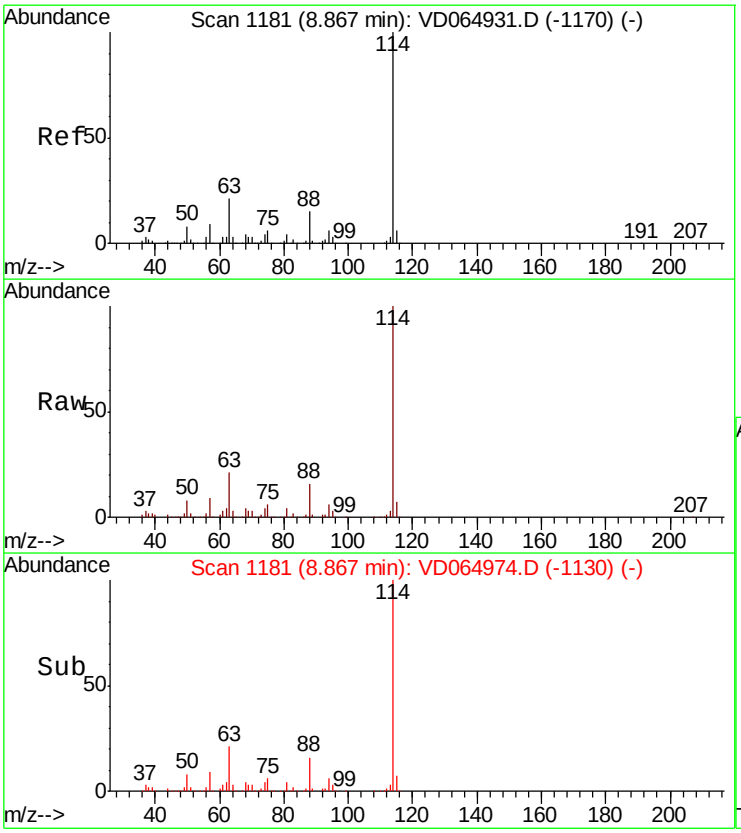

#33
1,2-Dichloroethane-d4
Concen: 51.725 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 65 Resp: 267524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 103.6 |

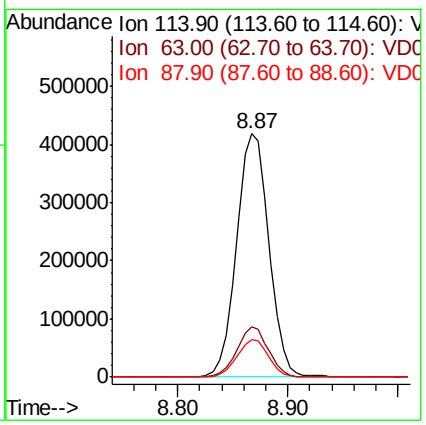


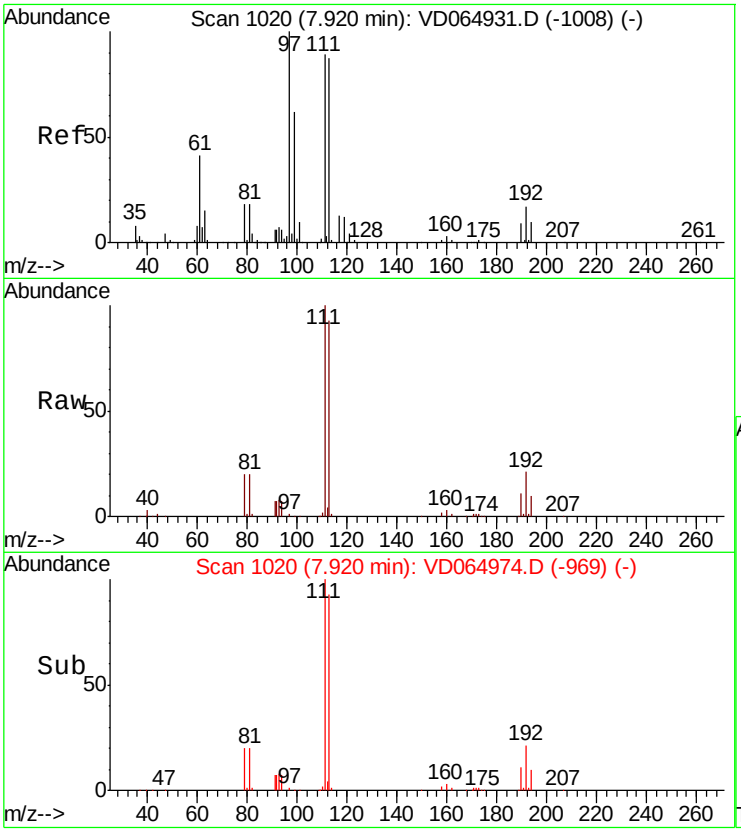




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion:114 Resp: 863208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 42.0 |
| 88 | 15.6 | 0.0 | 29.4 |



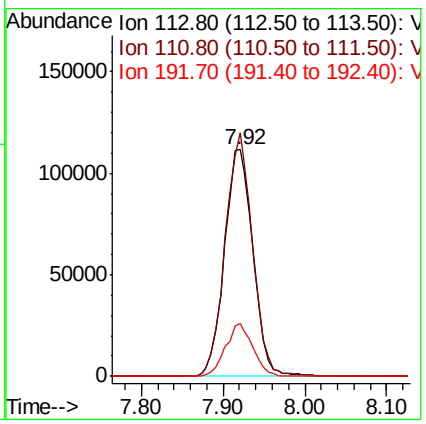


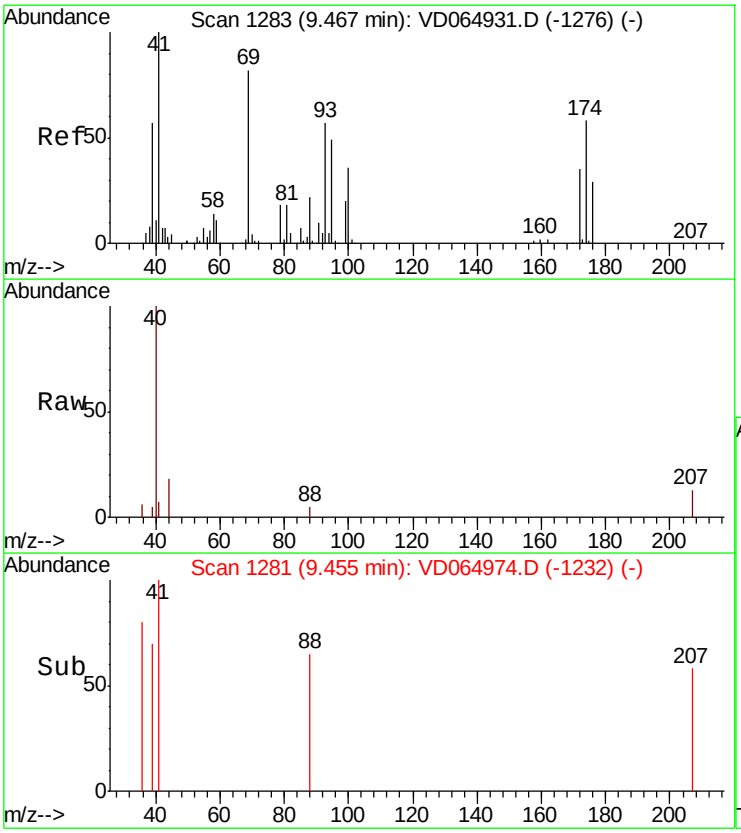

#35
Dibromofluoromethane
Concen: 49.941 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion:113 Resp: 270904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 82.4 | 123.6 |
| 192 | 22.3 | 16.9 | 25.3 |

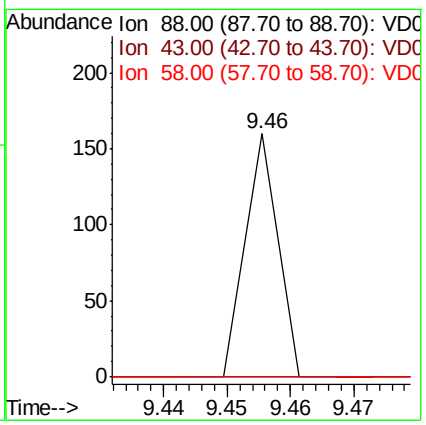


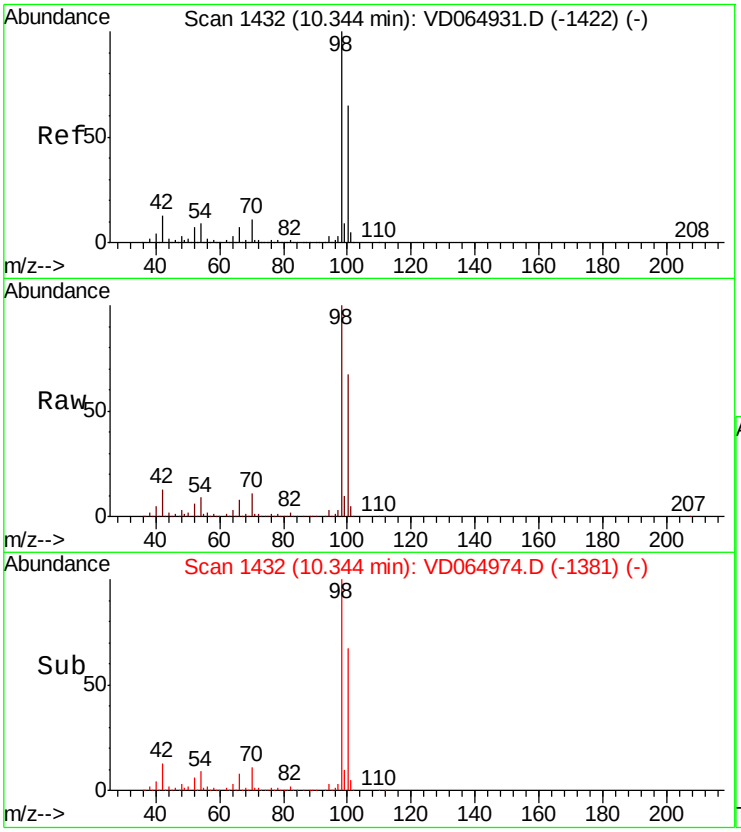




#49
1,4-Dioxane
Concen: 1.591 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion: 88 Resp: 56

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 26.2 | 39.4# |
| 58 | 0.0 | 50.3 | 75.5# |



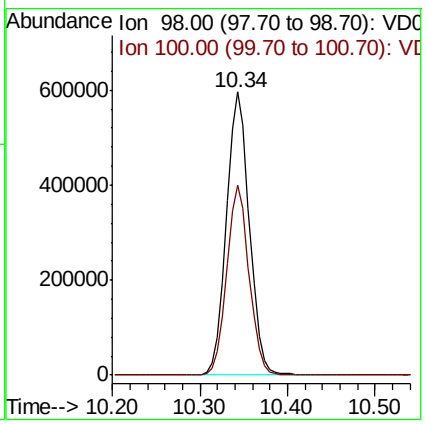


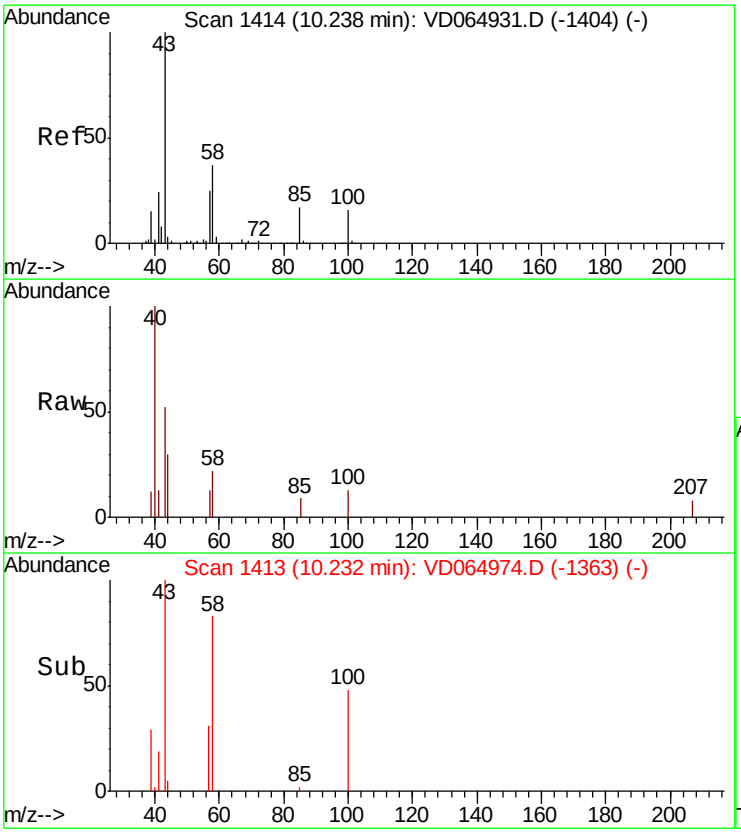

#50
Toluene-d8
Concen: 50.705 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :** MSVOA_D
**ClientSampleId :**

Tgt Ion: 98 Resp: 1061589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 52.3 | 78.5 |

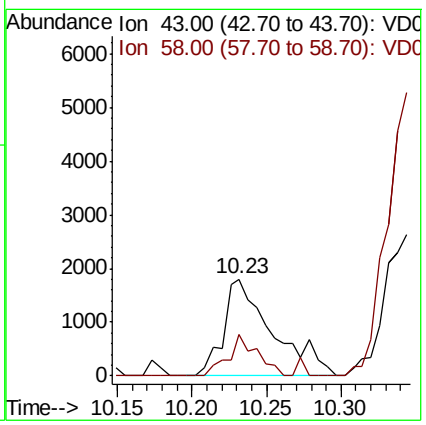


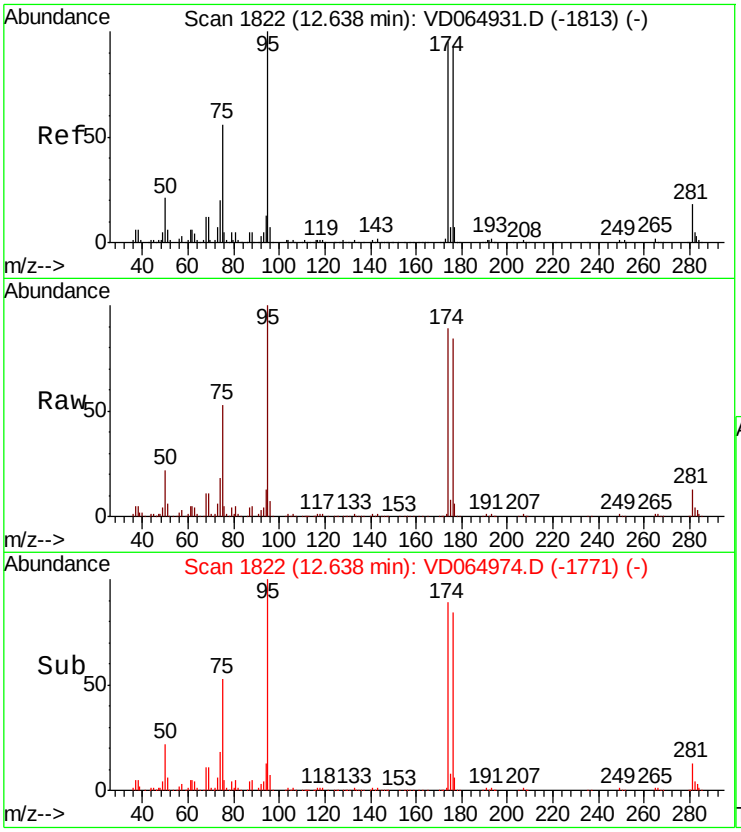




#51
4-Methyl-2-Pentanone
Concen: 1.269 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion: 43 Resp: 4146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.2 | 30.4 | 45.6# |



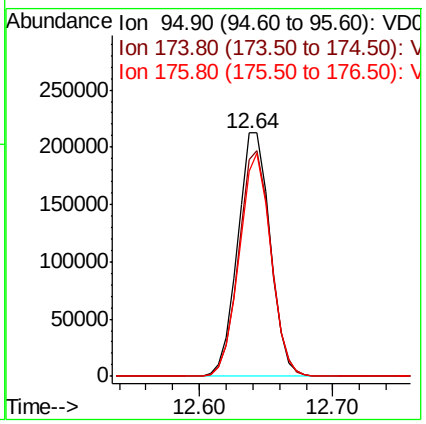


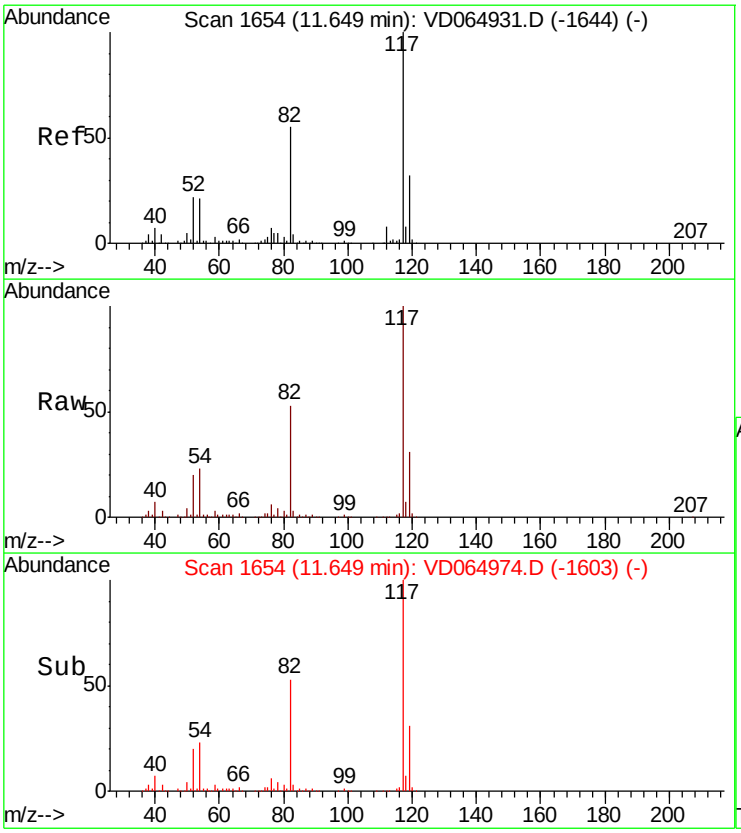

#62
4-Bromofluorobenzene
Concen: 55.662 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 95 Resp: 356626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.8 | 0.0 | 186.8 |
| 176 | 89.0 | 0.0 | 183.4 |

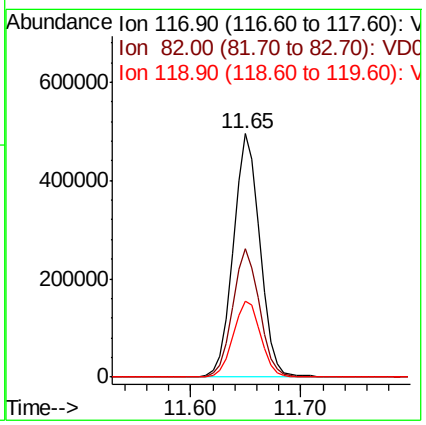


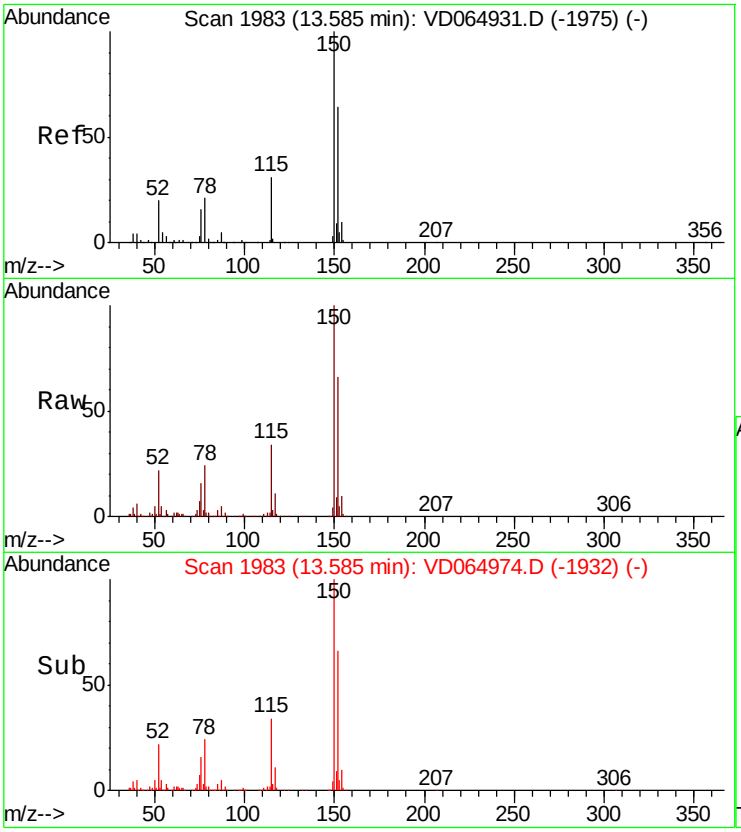




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion:117 Resp: 838167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.7 | 43.6 | 65.4 |
| 119 | 30.9 | 25.2 | 37.8 |



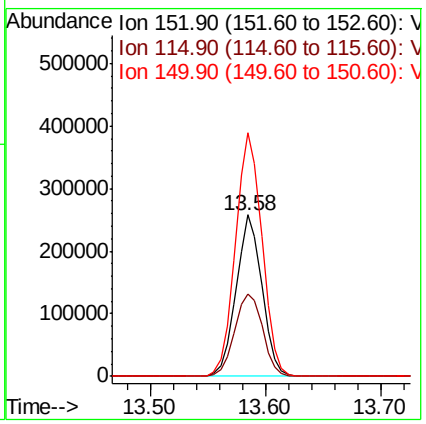


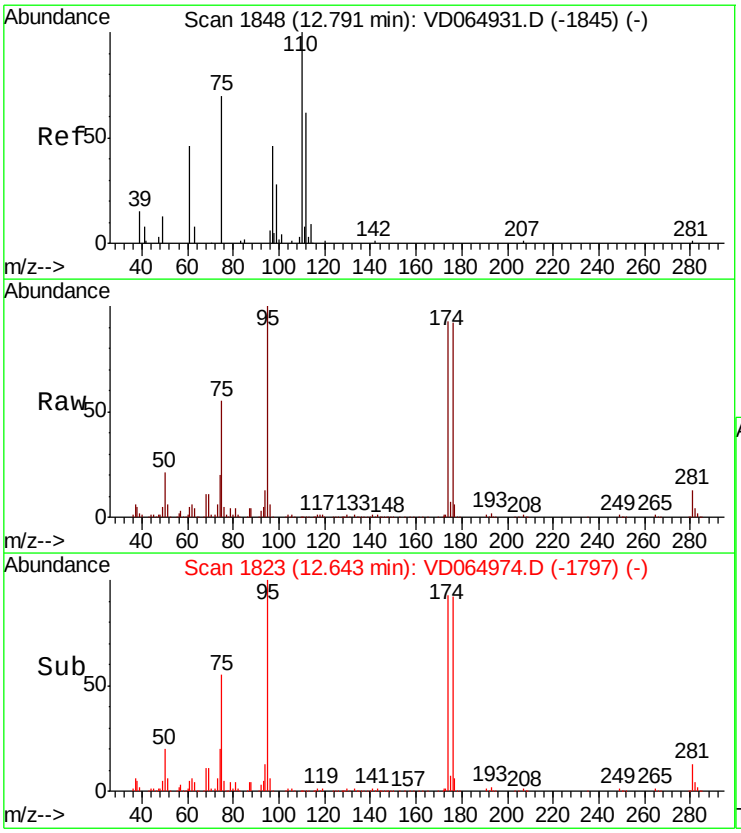

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :** MSVOA_D
**ClientSampleId :**

Tgt Ion:152 Resp: 398460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.9 | 28.1 | 84.4 |
| 150 | 155.1 | 0.0 | 350.4 |

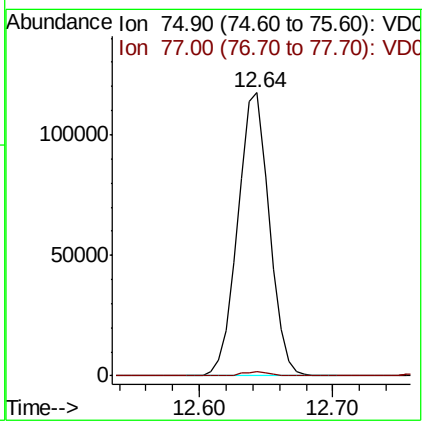


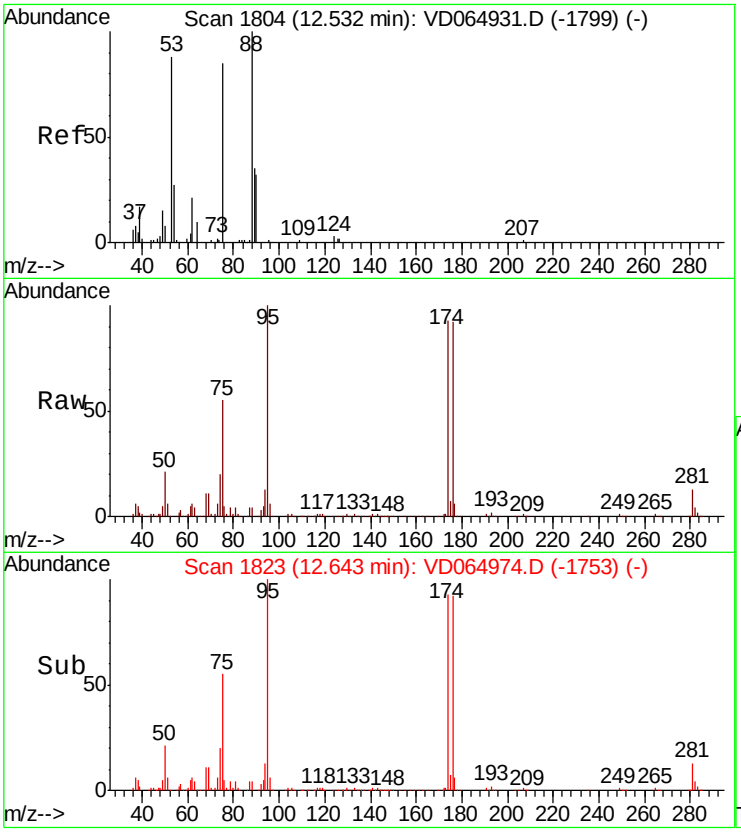




#76
1,2,3-Trichloropropane
Concen: 57.858 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.15 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

Tgt Ion: 75 Resp: 191350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 0.0 | 0.0# |






#81
trans-1,4-Dichloro-2-butene
Concen: 123.540 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.11 min
Lab File: VD064974.D
Acq: 28 Jan 2020 11:27

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 75 Resp: 191350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 81.0 | 121.4# |
| 89 | 0.2 | 36.2 | 54.4# |