Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061819\
Data File : VD062772.D
Acq On : 19 Jun 2019 4:12
Operator : VA/AP
Sample : K3157-03
Misc : 5.71g/5ml/MSVOA_D/SOIL
ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Jun 19 07:05:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.05 | 168 | 674068 | 50.00 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 8.23 | 114 | 932520 | 50.00 | ug/l | 0.01 |
| 63) Chlorobenzene-d5 | 12.37 | 117 | 584944 | 50.00 | ug/l | 0.01 |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152 | 222441 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.46 | 65 | 438510 | 45.08 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 90.16% | | | |
| 35) Dibromofluoromethane | 6.93 | 113 | 412025 | 41.90 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 83.80% | | | |
| 50) Toluene-d8 | 10.41 | 98 | 667941 | 32.29 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 64.58% | | | |
| 62) 4-Bromofluorobenzene | 13.55 | 95 | 250091 | 25.91 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 51.82% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.58 | 85 | 1134 | Below Cal | # | 69 |
| 10) Methyl Iodide | 3.32 | 142 | 562 | 4.052 | ug/l # | 24 |
| 11) Tert butyl alcohol | 3.99 | 59 | 1683 | 4.209 | ug/l # | 61 |
| 13) Acrolein | 3.16 | 56 | 216 | 1.680 | ug/l # | 12 |
| 16) Acetone | 3.23 | 43 | 32956 | 18.503 | ug/l | 96 |
| 18) Methyl Acetate | 3.65 | 43 | 3266 | 1.116 | ug/l # | 64 |
| 20) Methylene Chloride | 3.82 | 84 | 29672 | 4.003 | ug/l | 96 |
| 31) Cyclohexane | 7.04 | 56 | 16124 | 2.101 | ug/l # | 28 |
| 36) 1,1-Dichloropropene | 7.04 | 75 | 51379 | 4.814 | ug/l # | 53 |
| 37) Ethyl Acetate | 6.21 | 43 | 663 | 1.343 | ug/l # | 74 |
| 38) Carbon Tetrachloride | 7.05 | 117 | 66571 | 3.946 | ug/l # | 16 |
| 49) 1,4-Dioxane | 8.73 | 88 | 193 | 52.318 | ug/l # | 21 |
| 51) 4-Methyl-2-Pentanone | 10.41 | 43 | 5029 | 1.276 | ug/l # | 1 |
| 52) Toluene | 10.51 | 92 | 41435 | 2.958 | ug/l | 84 |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75 | 126390 | 134.194 | ug/l # | 1 |
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180 | 527 | 3.654 | ug/l # | 55 |
| 95) Naphthalene | 16.12 | 128 | 2250 | 3.709 | ug/l # | 71 |

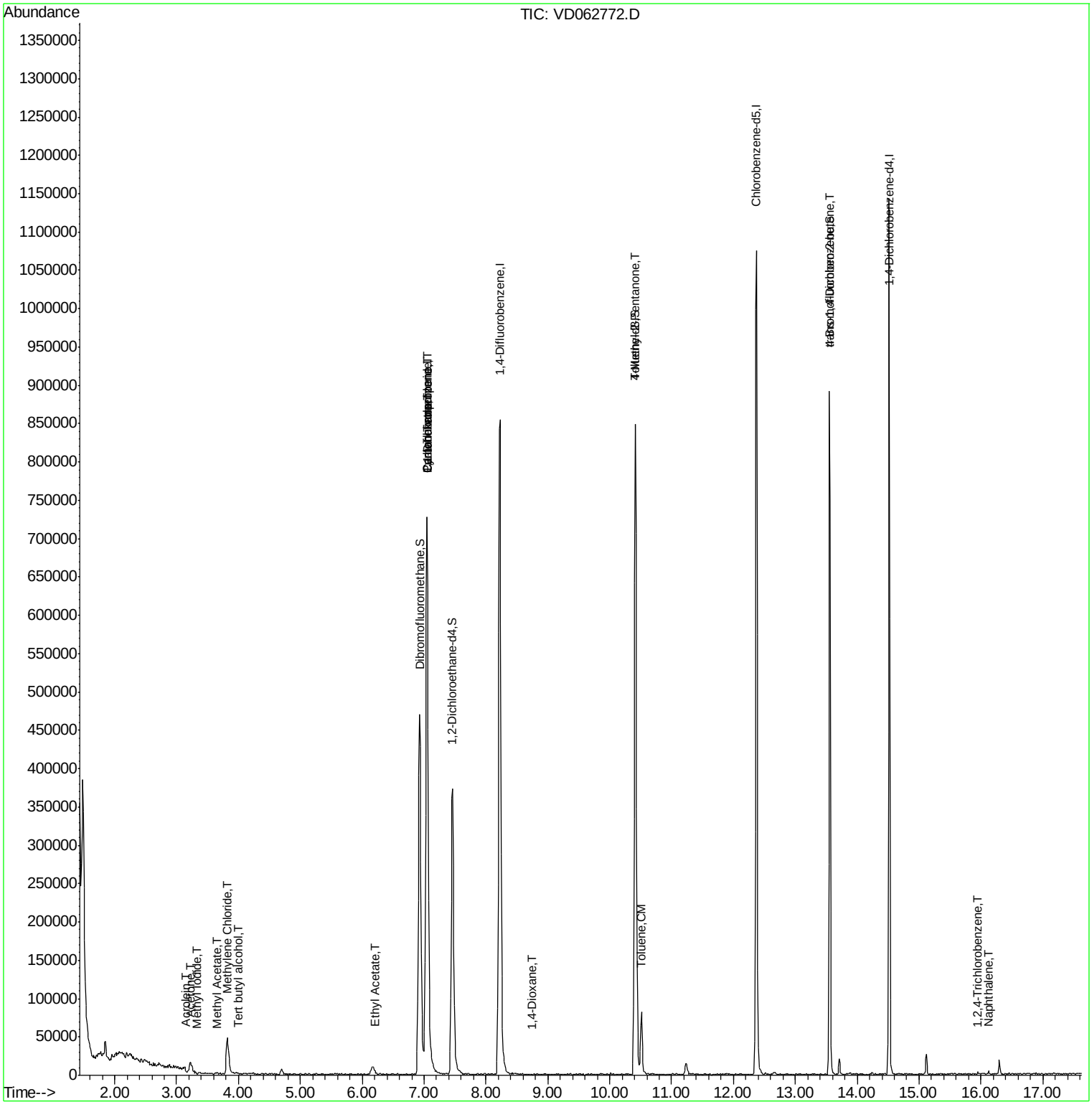
(#) = qualifier out of range (m) = manual integration (+) = signals summed

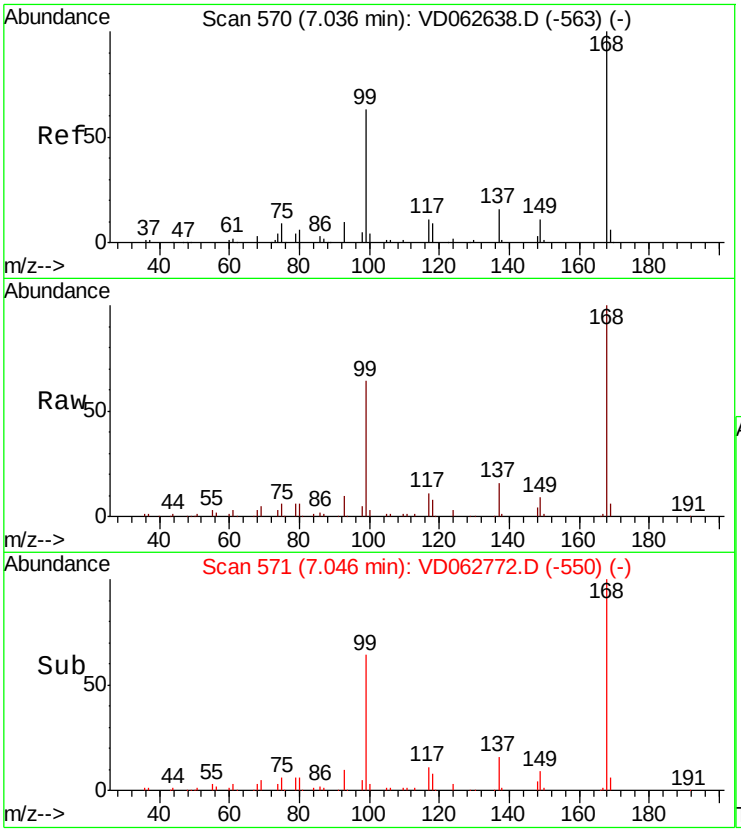
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
Data File : VD062772.D
Acq On : 19 Jun 2019 4:12
Operator : VA/AP
Sample : K3157-03
Misc : 5.71g/5ml/MSVOA D/SOIL
ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Jun 19 07:05:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration



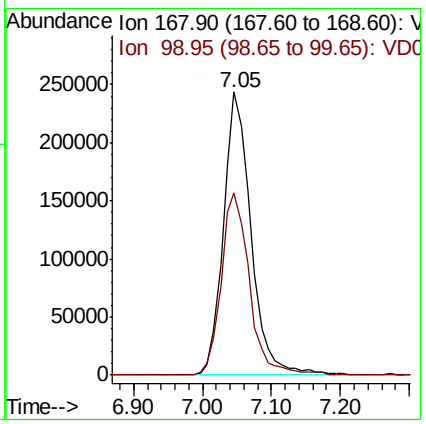


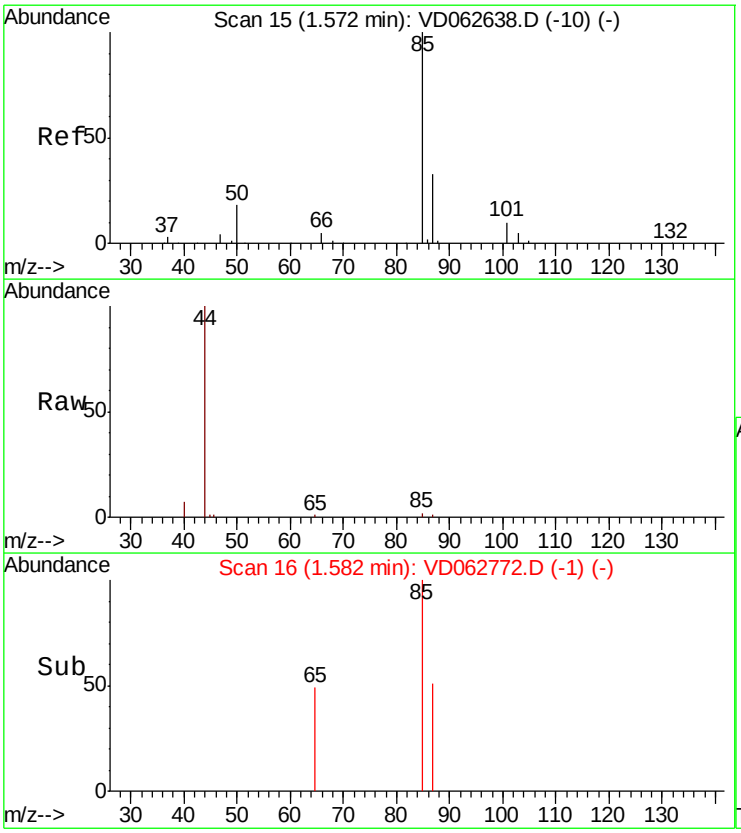

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion:168 Resp: 674068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.2 | 51.4 | 77.2 |

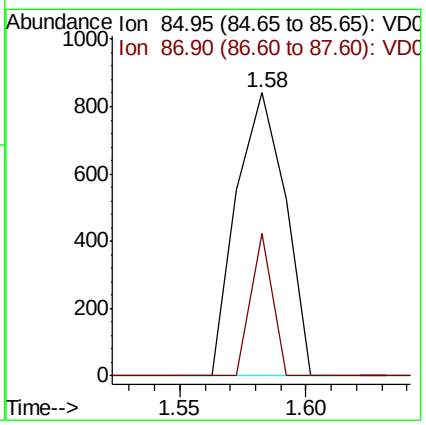


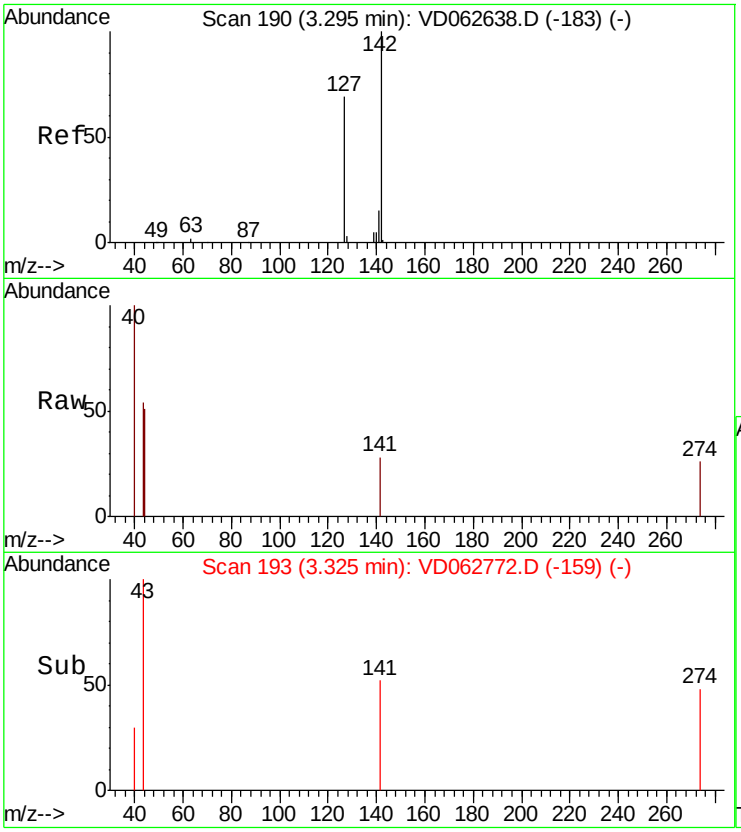




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.58 min Scan# 16
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 85 Resp: 1134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 50.5 | 16.6 | 49.7# |



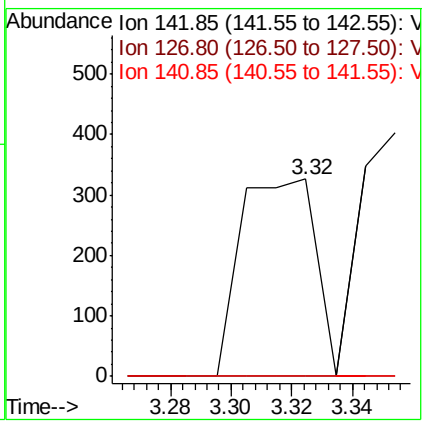


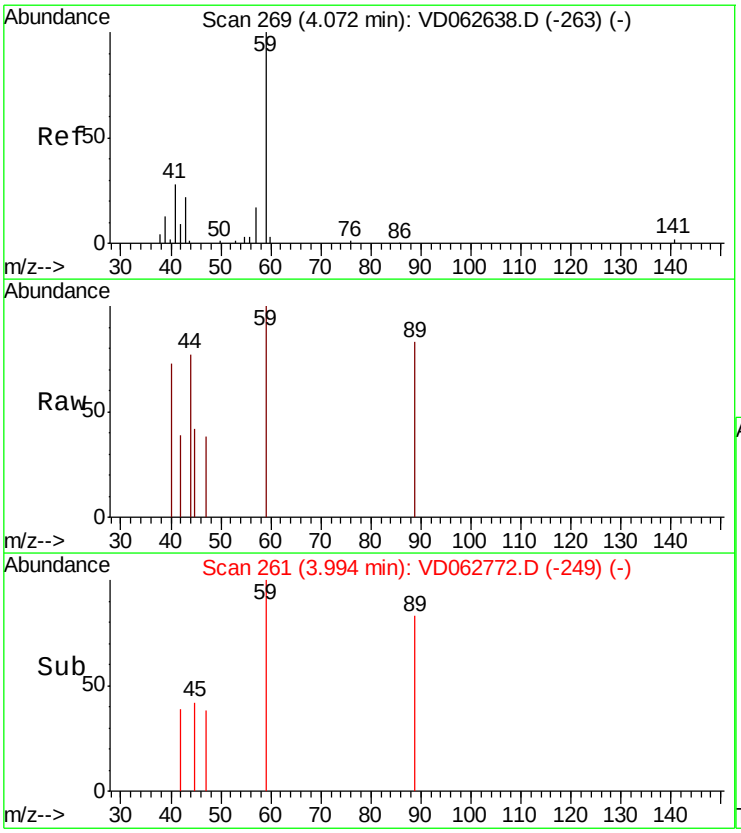

#10
Methyl Iodide
Concen: 4.052 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.03 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion:142 Resp: 562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 55.2 | 82.8# |
| 141 | 0.0 | 12.1 | 18.1# |

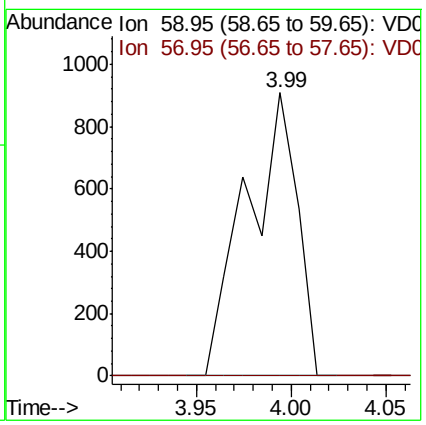


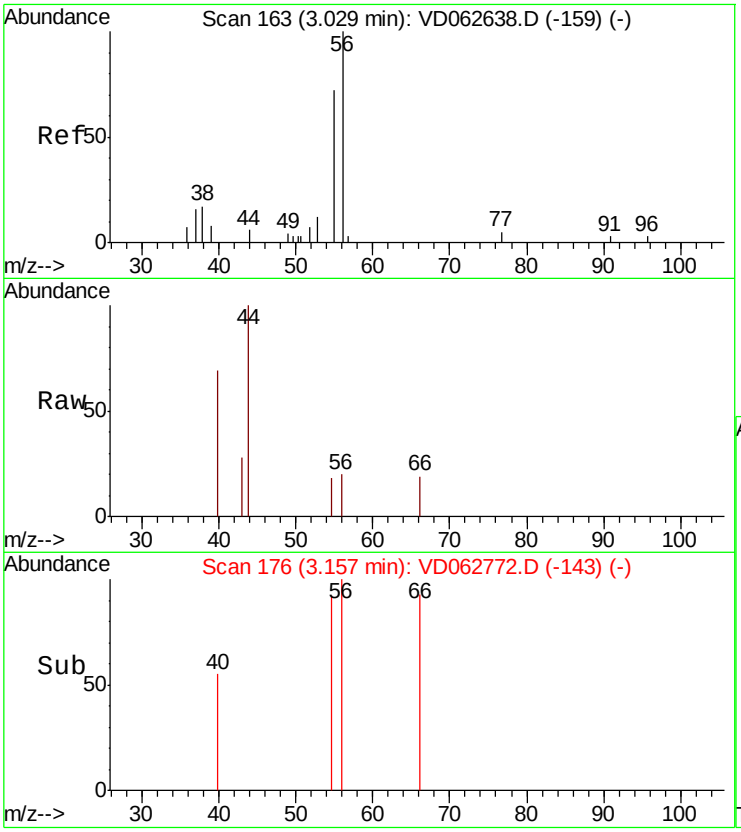




#11
Tert butyl alcohol
Concen: 4.209 ug/l
RT: 3.99 min Scan# 261
Delta R.T. -0.08 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 59 Resp: 1683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 13.7 | 20.5# |



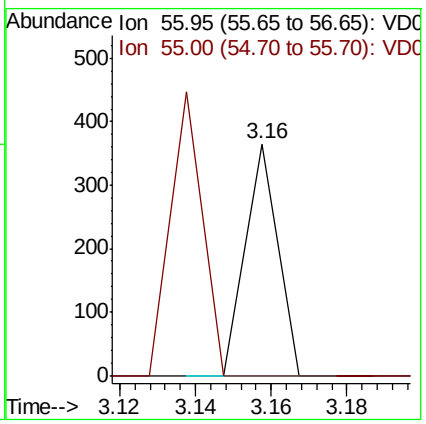


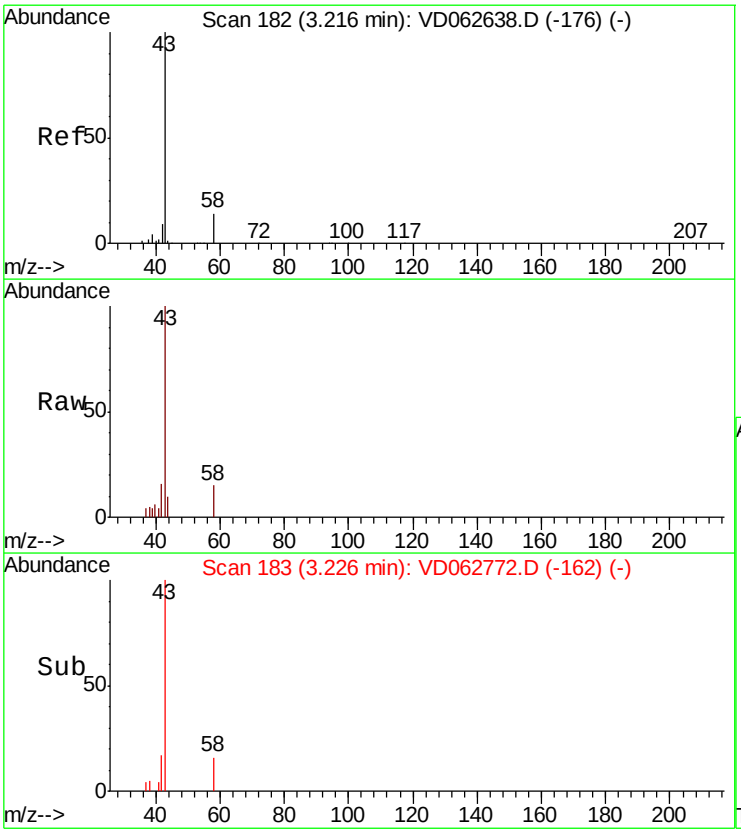

#13
Acrolein
Concen: 1.680 ug/l
RT: 3.16 min Scan# 176
Delta R.T. 0.13 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion: 56 Resp: 216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 59.4 | 89.0# |

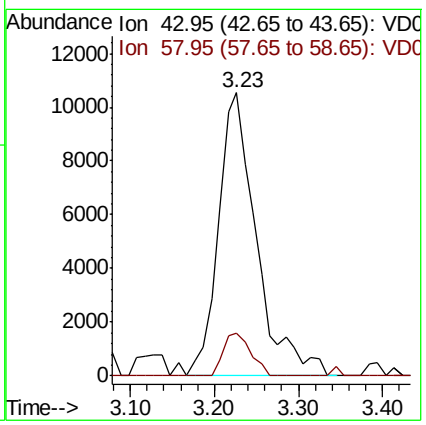


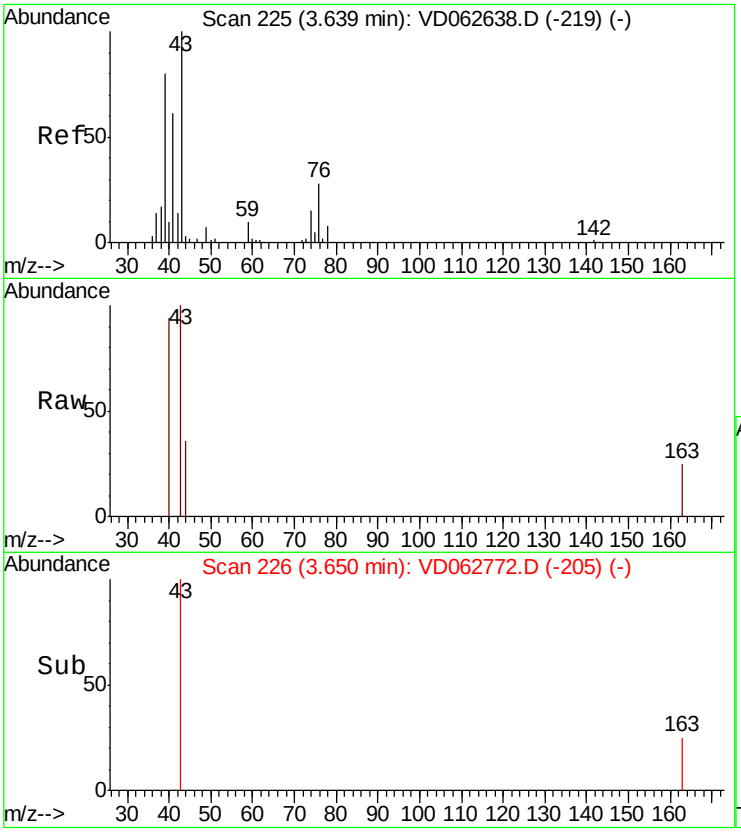




#16
Acetone
Concen: 18.503 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 43 Resp: 32956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 15.3 | 10.8 | 16.2 |



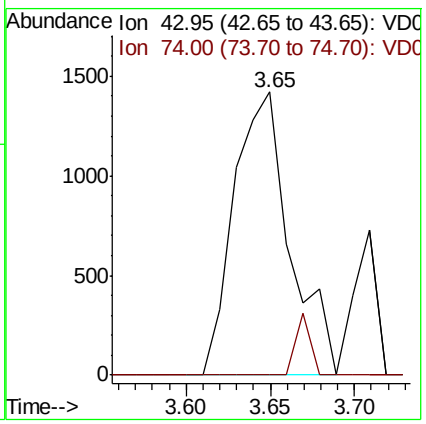


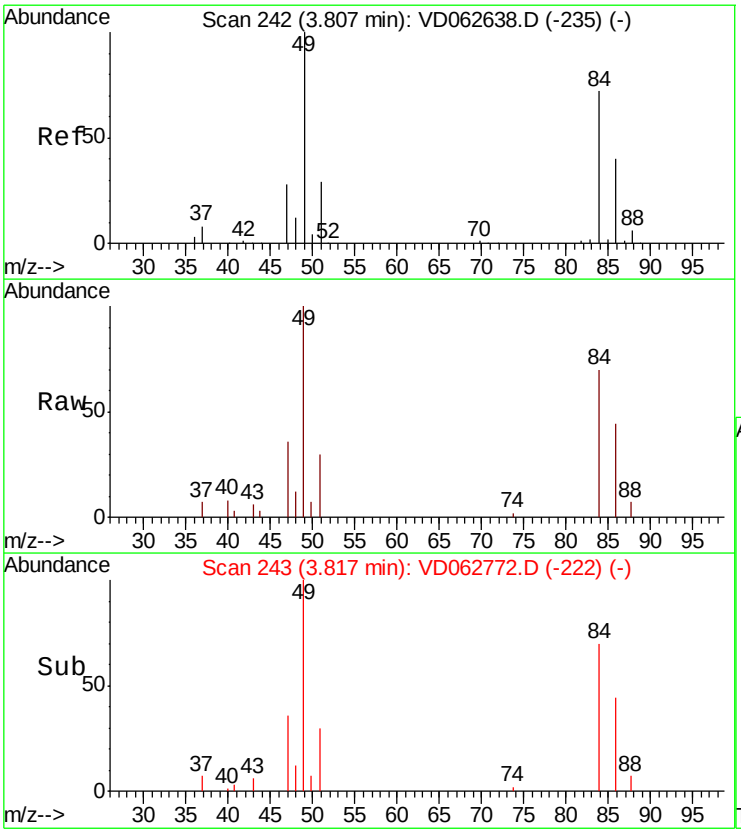

#18
Methyl Acetate
Concen: 1.116 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion: 43 Resp: 3266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 12.1 | 18.1# |

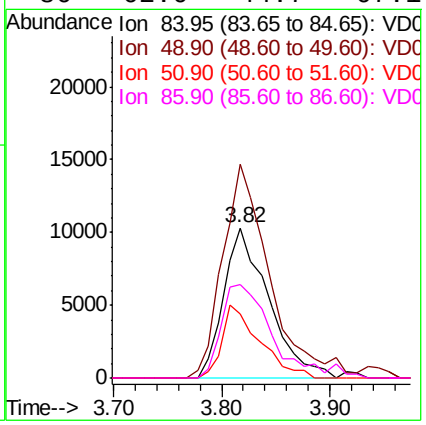


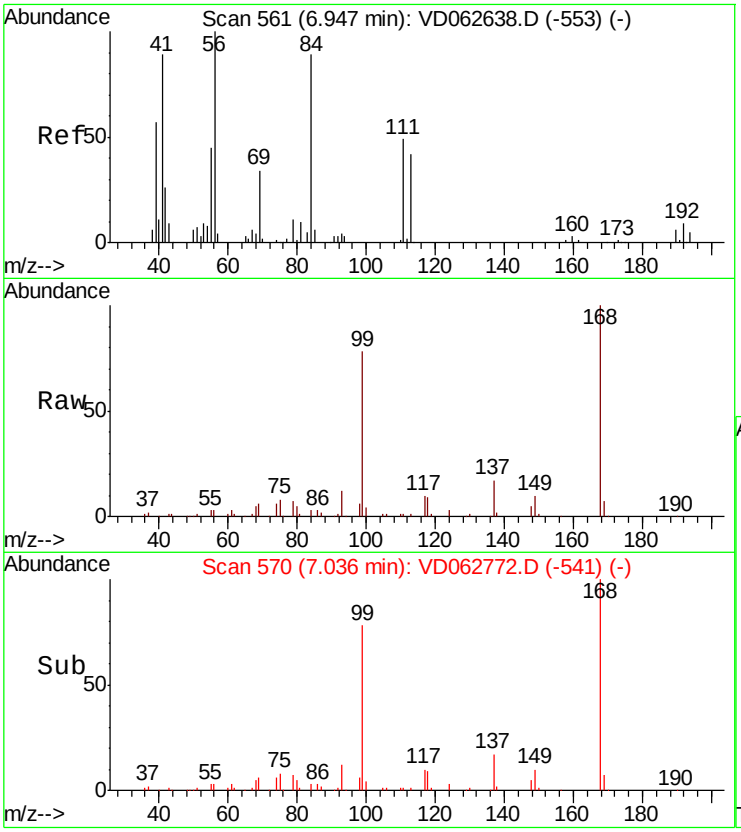




#20
Methylene Chloride
Concen: 4.003 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 84 Resp: 29672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.2 | 111.2 | 166.8 |
| 51 | 42.4 | 31.9 | 47.9 |
| 86 | 62.0 | 44.7 | 67.1 |



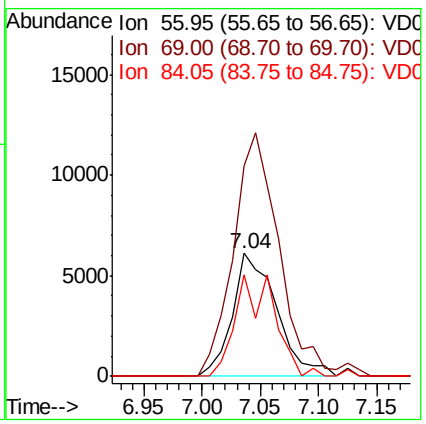


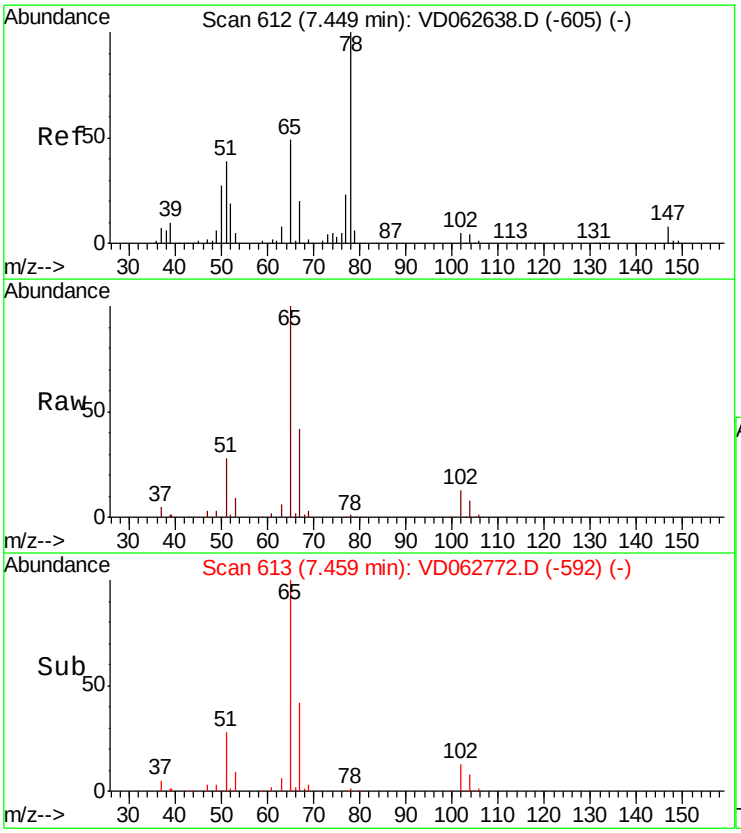

#31
Cyclohexane
Concen: 2.101 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion: 56 Resp: 16124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 171.1 | 26.8 | 40.2# |
| 84 | 82.3 | 73.9 | 110.9 |

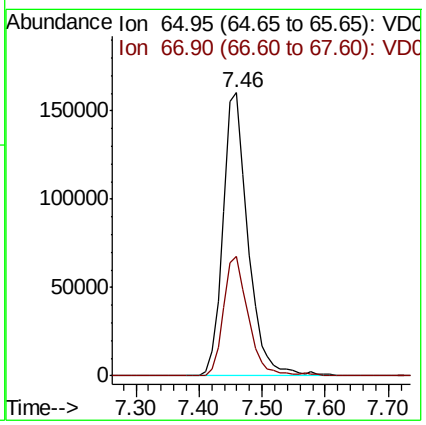


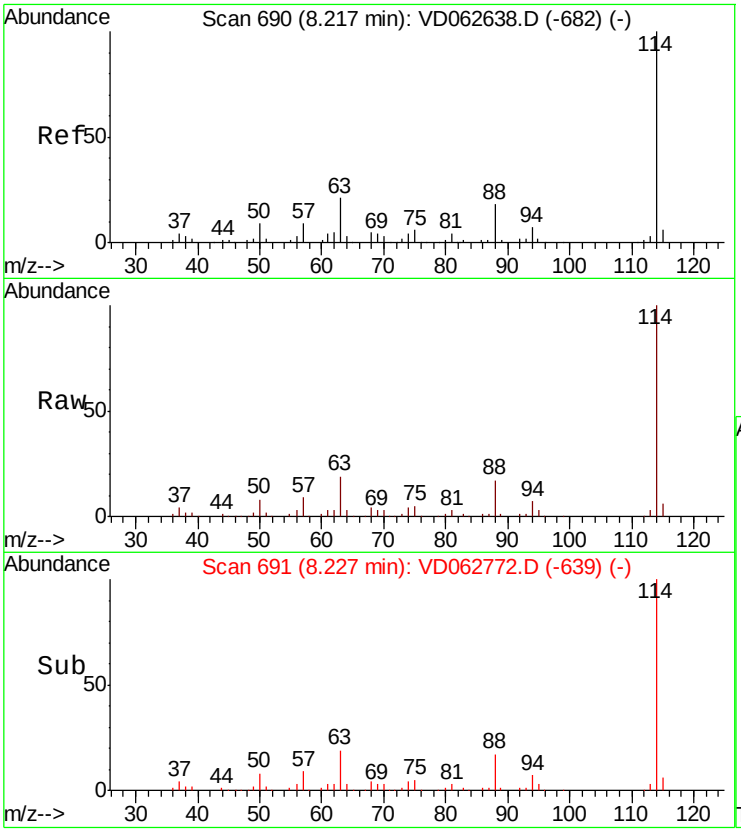




#33
1,2-Dichloroethane-d4
Concen: 45.083 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 65 Resp: 438510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 42.4 | 0.0 | 81.8 |



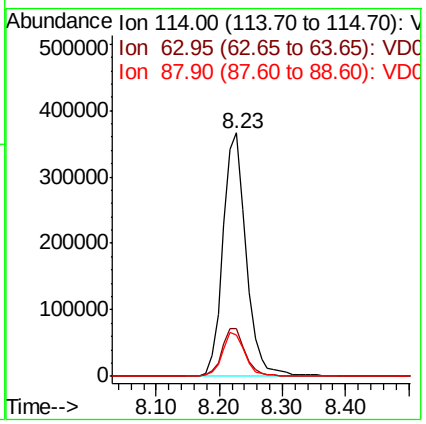


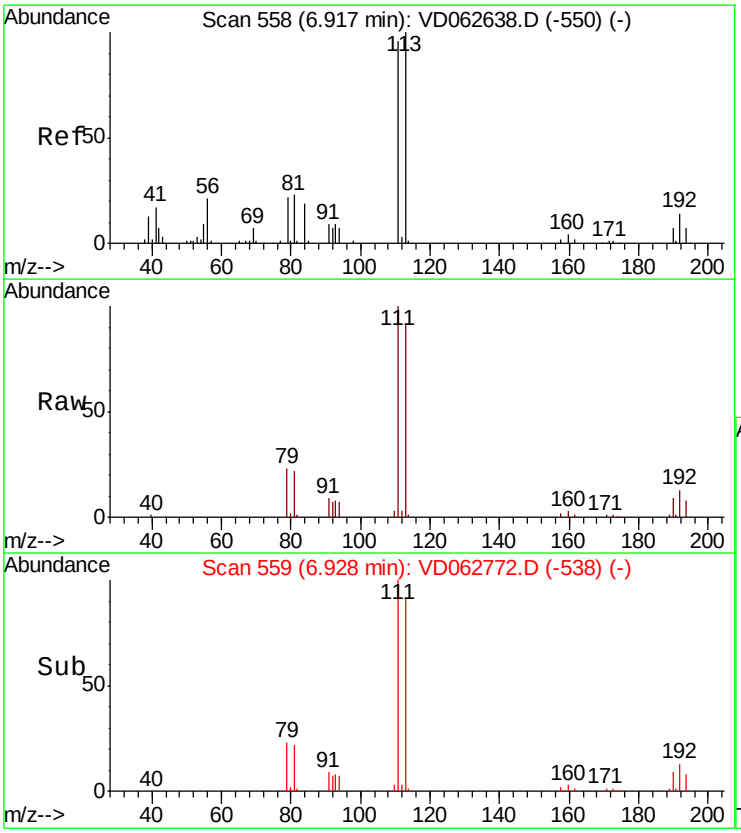

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion:114 Resp: 932520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.4 | 0.0 | 42.4 |
| 88 | 17.2 | 0.0 | 36.8 |

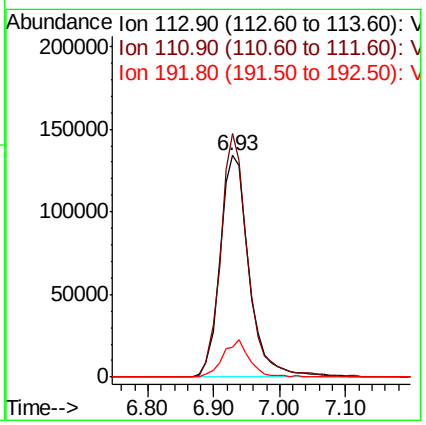


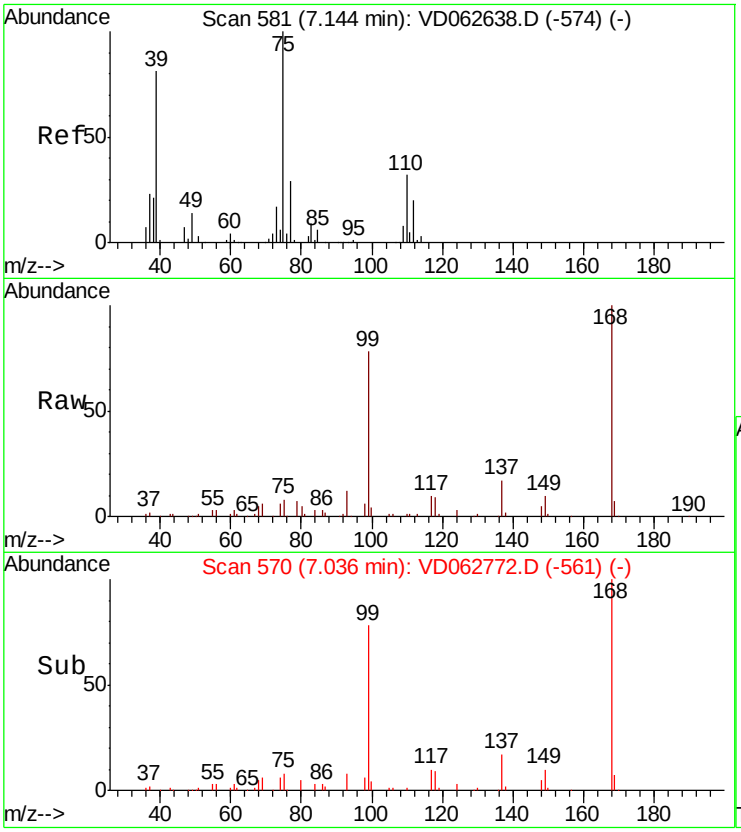




#35
Dibromofluoromethane
Concen: 41.895 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion:113 Resp: 412025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 109.9 | 76.4 | 114.6 |
| 192 | 13.8 | 11.4 | 17.0 |



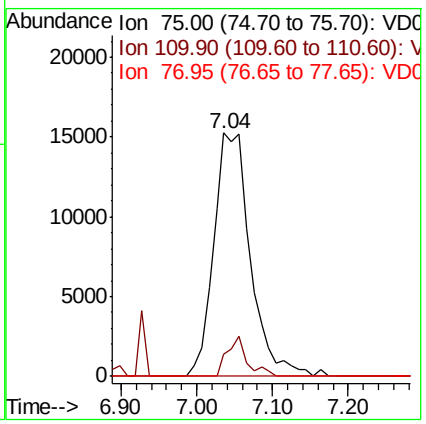


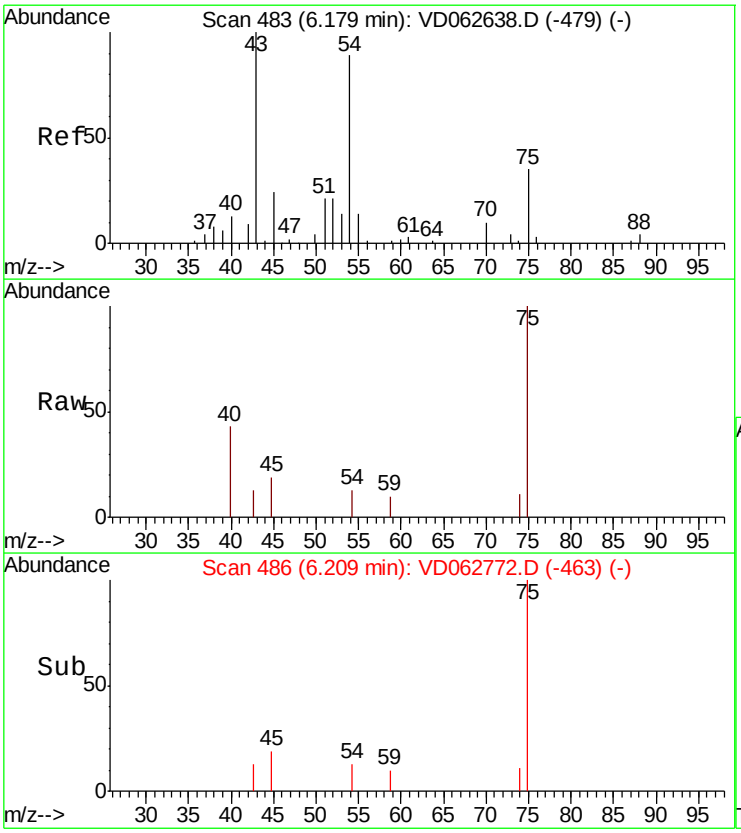

#36
1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.11 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion: 75 Resp: 51379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.4 | 15.9 | 47.7# |
| 77 | 0.0 | 23.3 | 34.9# |

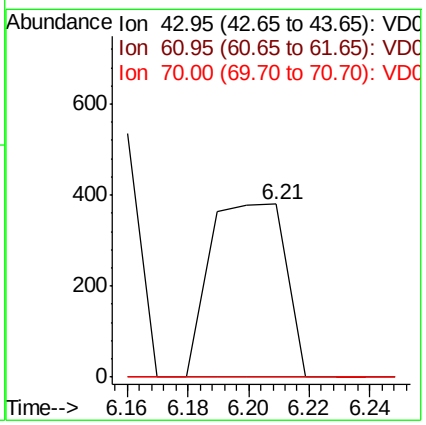


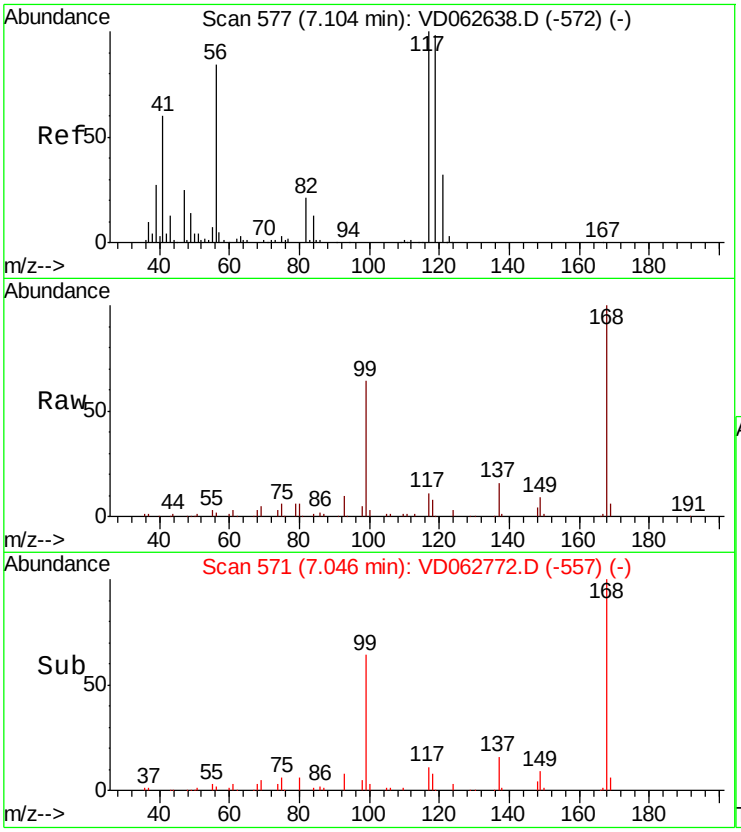




#37
Ethyl Acetate
Concen: 1.343 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 43 Resp: 663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 8.7 | 13.1# |
| 70 | 0.0 | 6.5 | 9.7# |



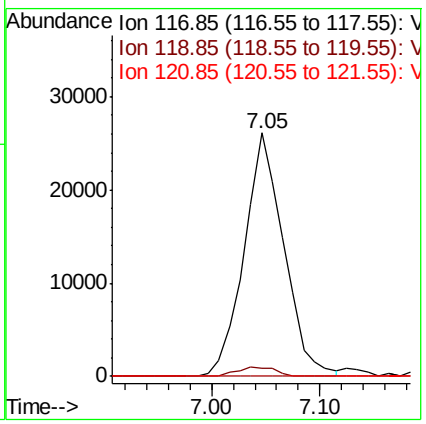


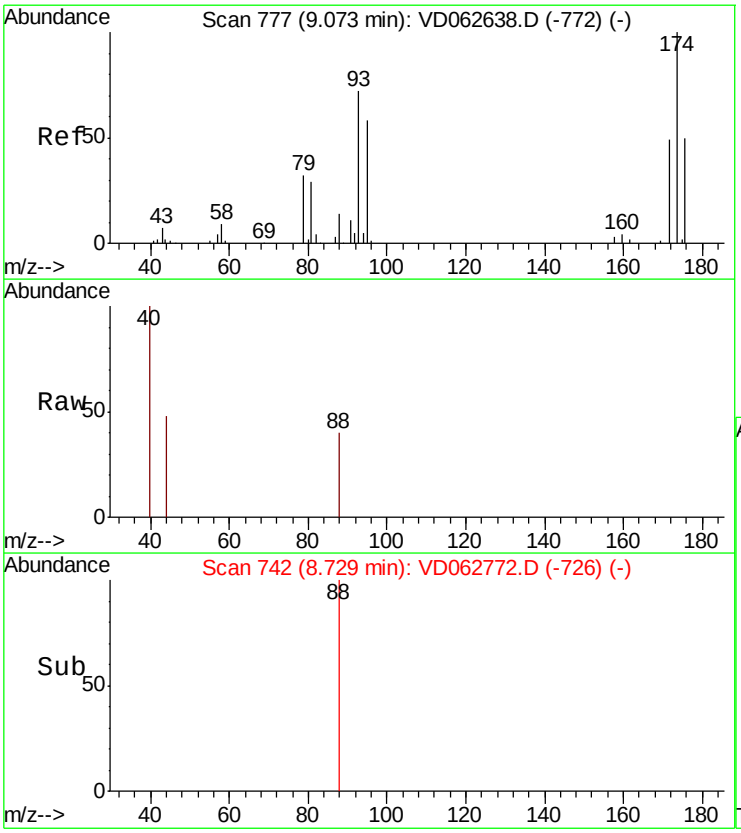

#38
Carbon Tetrachloride
Concen: 3.946 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.06 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion:117 Resp: 66571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.1 | 73.5 | 110.3# |
| 121 | 0.0 | 24.2 | 36.4# |

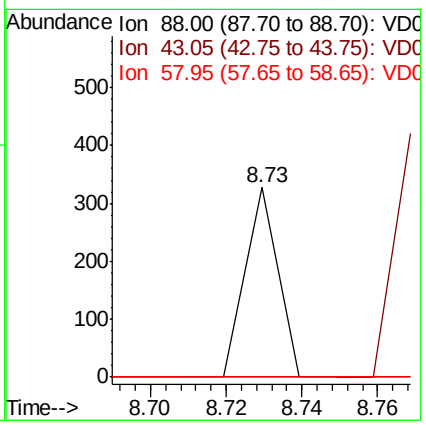


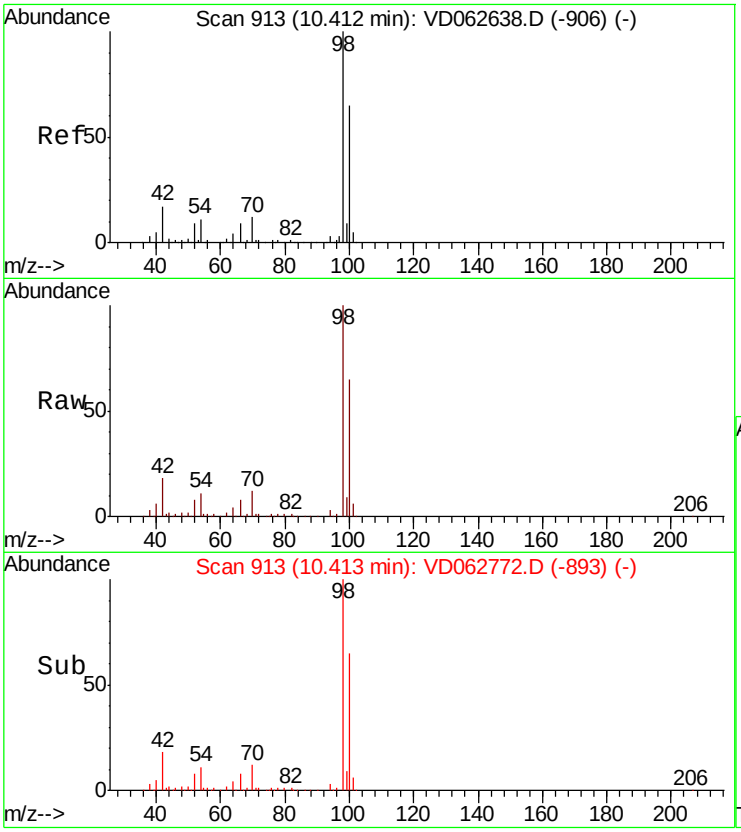




#49
1,4-Dioxane
Concen: 52.318 ug/l
RT: 8.73 min Scan# 742
Delta R.T. -0.34 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 88 Resp: 193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 40.7 | 61.1# |
| 58 | 0.0 | 54.2 | 81.4# |



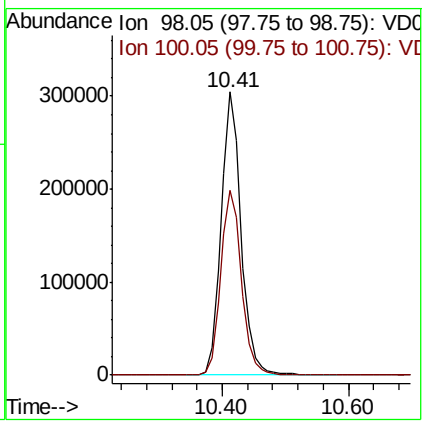


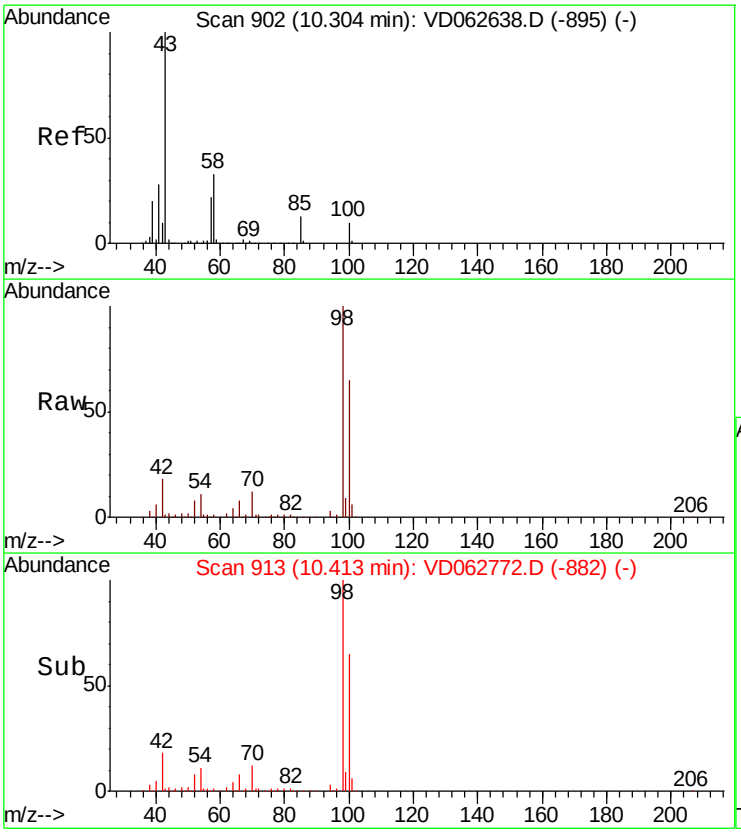

#50
Toluene-d8
Concen: 32.285 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion: 98 Resp: 667941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 52.1 | 78.1 |

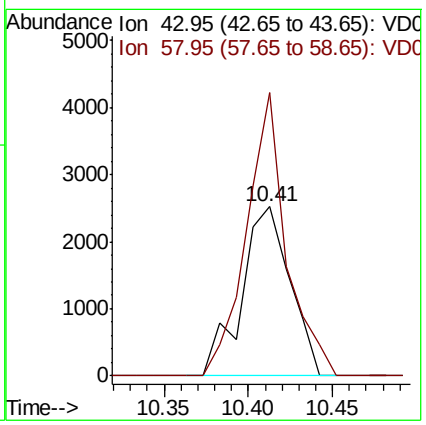


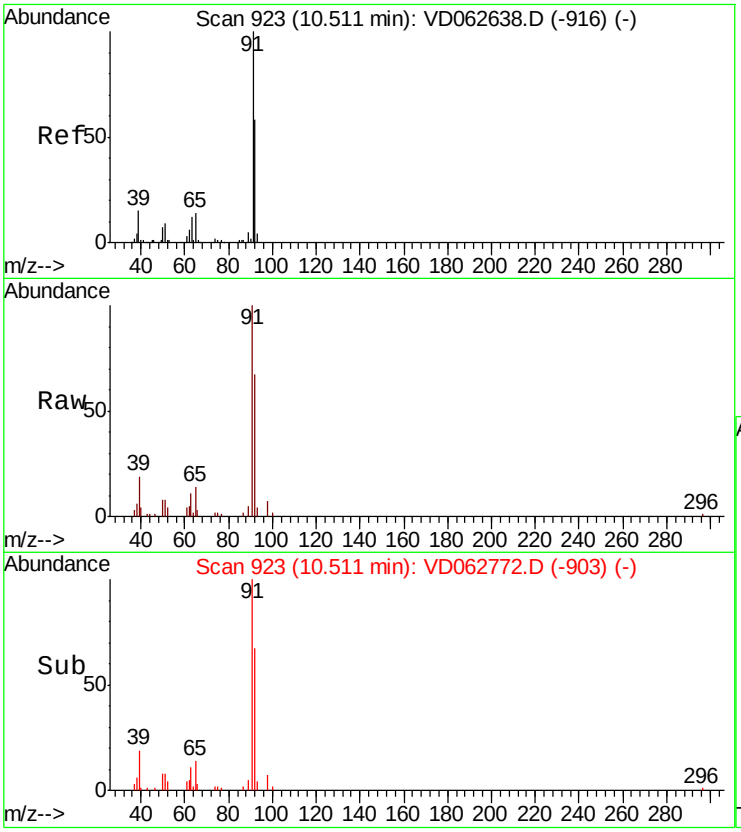




#51
4-Methyl-2-Pentanone
Concen: 1.276 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 43 Resp: 5029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 167.6 | 26.1 | 39.1# |



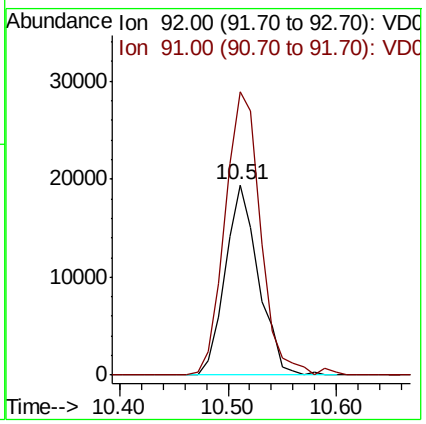


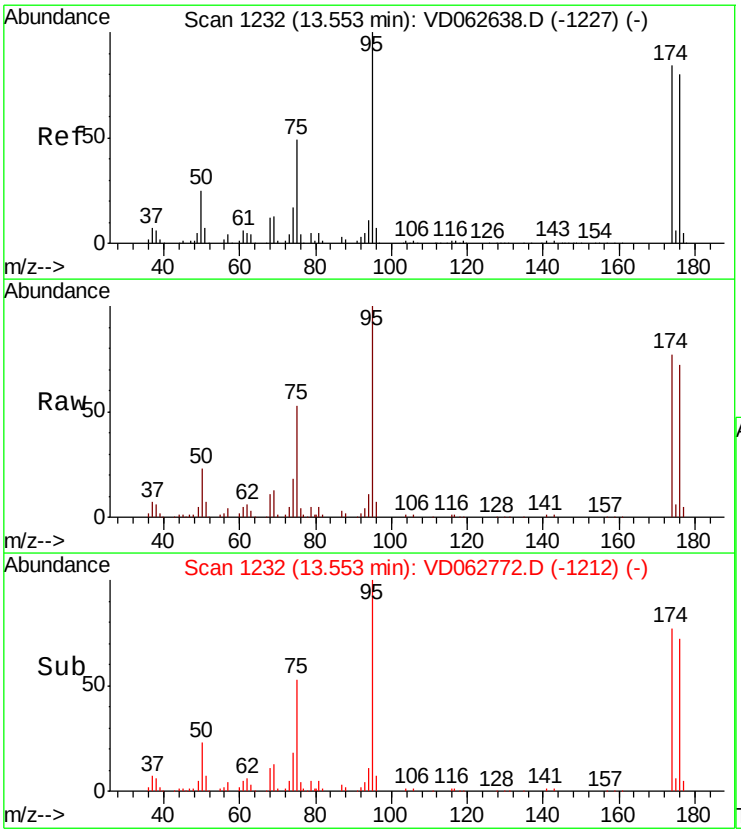

#52
Toluene
Concen: 2.958 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion: 92 Resp: 41435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 148.7 | 137.0 | 205.6 |

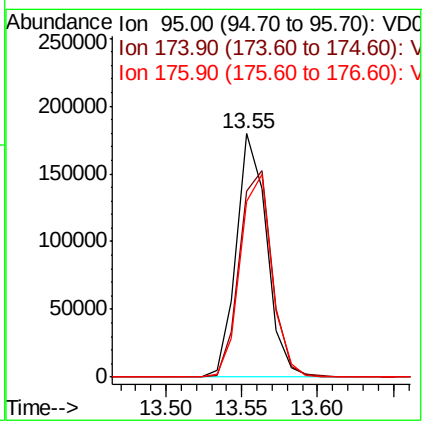


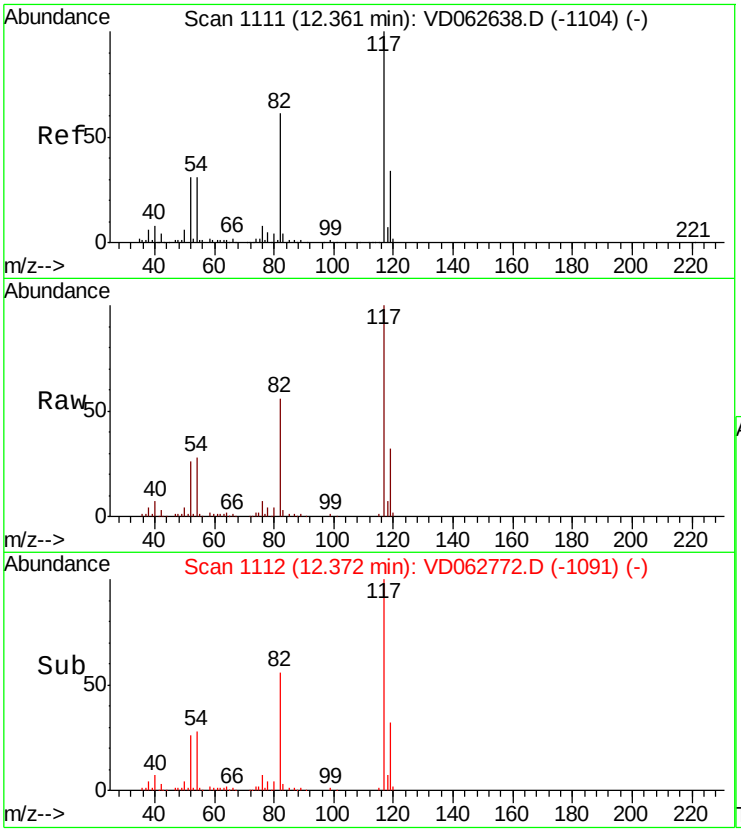




#62
4-Bromofluorobenzene
Concen: 25.911 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion: 95 Resp: 250091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.7 | 0.0 | 167.0 |
| 176 | 72.1 | 0.0 | 159.2 |



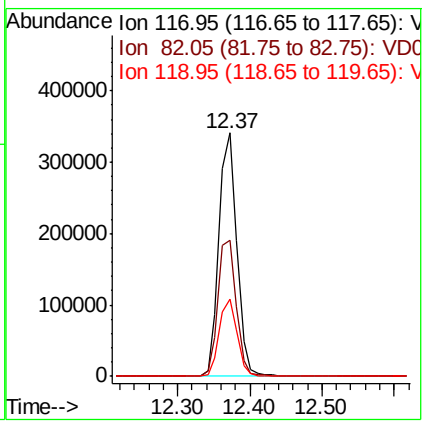


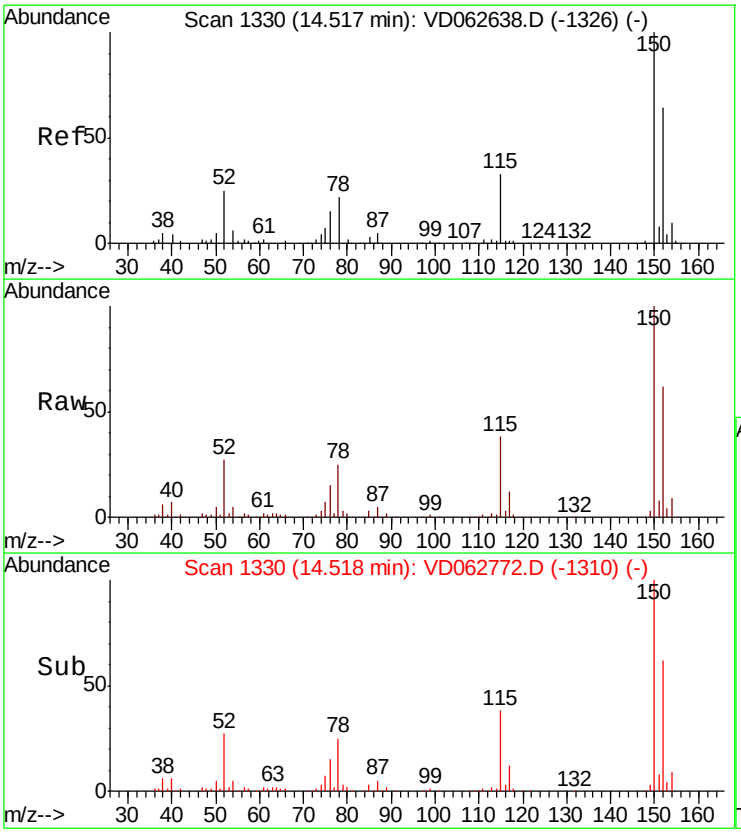

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion:117 Resp: 584944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.8 | 48.7 | 73.1 |
| 119 | 31.8 | 27.0 | 40.6 |

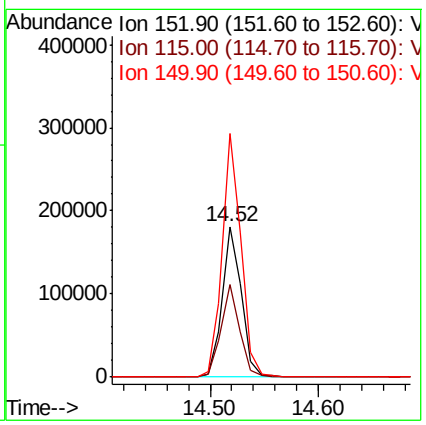


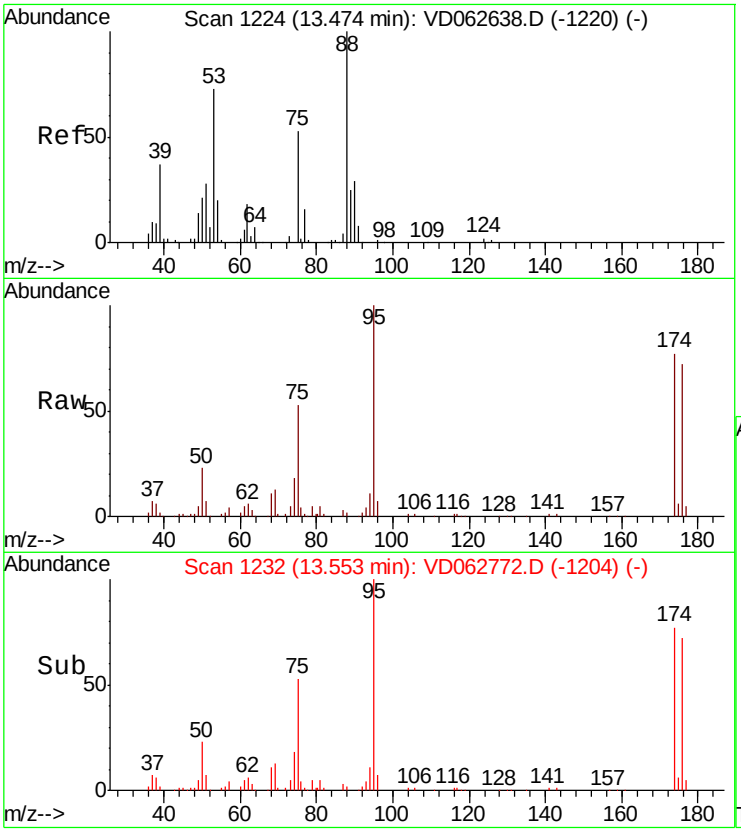




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion:152 Resp: 222441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.8 | 30.1 | 90.5 |
| 150 | 161.8 | 0.0 | 314.0 |



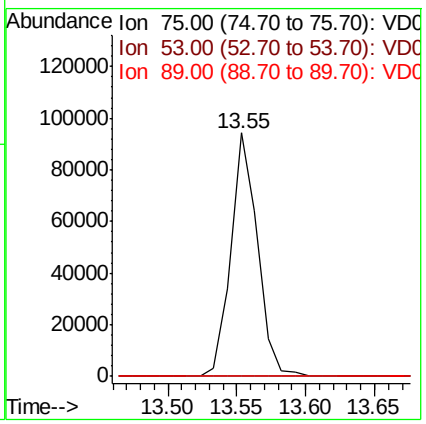


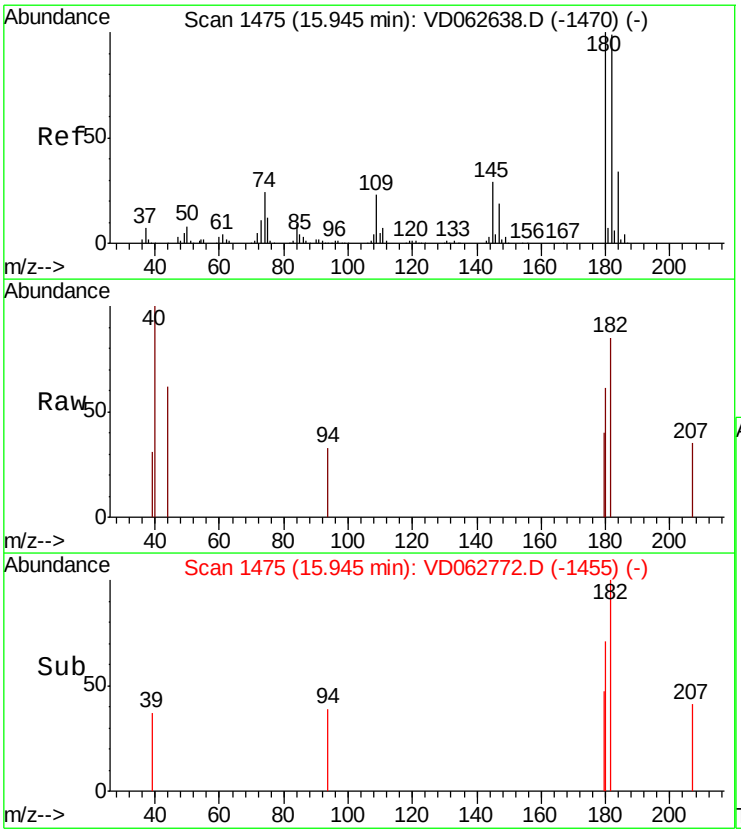

#81
trans-1,4-Dichloro-2-butene
Concen: 134.194 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion: 75 Resp: 126390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 109.4 | 164.2# |
| 89 | 0.0 | 37.0 | 55.6# |

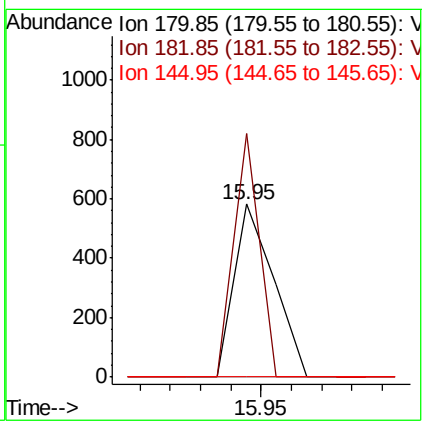


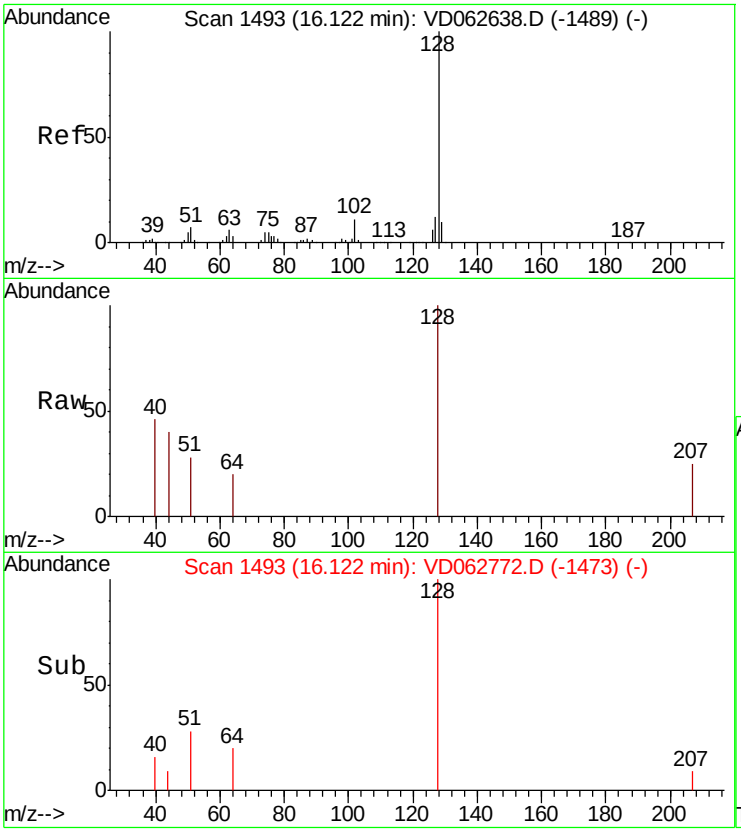




#93
1,2,4-Trichlorobenzene
Concen: 3.654 ug/l
RT: 15.95 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

Tgt Ion:180 Resp: 527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 140.9 | 49.4 | 148.2 |
| 145 | 0.0 | 14.5 | 43.6# |






#95
Naphthalene
Concen: 3.709 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062772.D
Acq: 19 Jun 2019 4:12

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

Tgt Ion:128 Resp: 2250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 9.7 | 14.5# |
| 129 | 0.0 | 8.1 | 12.1# |