Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120318\
Data File : VD060473.D
Acq On : 3 Dec 2018 14:18
Operator : VA/AP
Sample : J6162-09RE
Misc : 5.68g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** A0C10-02A-(6-12)RE

Quant Time: Dec 04 02:21:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.43 | 168 | 1157176 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 7.47 | 114 | 1625934 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.29 | 117 | 1112318 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.38 | 152 | 377879 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.81 | 65 | 433873 | 52.36 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.72% | | | | |
| 35) Dibromofluoromethane | 6.35 | 113 | 574141 | 47.35 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.70% | | | | |
| 50) Toluene-d8 | 9.47 | 98 | 1355348 | 38.20 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 76.40% | | | | |
| 62) 4-Bromofluorobenzene | 12.44 | 95 | 409550 | 31.85 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 63.70% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 8) Diethyl Ether | 2.85 | 74 | 3795 | 1.986 | ug/l | | 75 |
| 16) Acetone | 3.18 | 43 | 195857 | 136.275 | ug/l | | 100 |
| 18) Methyl Acetate | 3.58 | 43 | 5861 | 1.913 | ug/l | # | 63 |
| 20) Methylene Chloride | 3.75 | 84 | 163130 | 12.795 | ug/l | | 95 |
| 25) 2-Butanone | 5.65 | 43 | 133756 | 44.774 | ug/l | | 96 |
| 29) Tetrahydrofuran | 5.97 | 42 | 2824 | 1.793 | ug/l | # | 47 |
| 31) Cyclohexane | 6.43 | 56 | 22087 | 1.116 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 6.42 | 75 | 76797 | 4.781 | ug/l | # | 47 |
| 37) Ethyl Acetate | 5.65 | 43 | 133756 | 18.095 | ug/l | # | 69 |
| 38) Carbon Tetrachloride | 6.43 | 117 | 90290 | 6.059 | ug/l | # | 15 |
| 52) Toluene | 9.57 | 92 | 59871 | 2.286 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.58 | 106 | 15251 | 1.003 | ug/l | | 89 |
| 69) o-Xylene | 11.94 | 106 | 22590 | 1.538 | ug/l | | 94 |
| 76) 1,2,3-Trichloropropane | 12.44 | 75 | 135283 | 29.928 | ug/l | # | 44 |
| 81) trans-1,4-Dichloro-2-buten | 12.44 | 75 | 166232 | 129.170 | ug/l | # | 15 |
| 84) 1,2,4-Trimethylbenzene | 13.11 | 105 | 26447 | 1.238 | ug/l | | 93 |
| 89) n-Butylbenzene | 13.66 | 91 | 2670 | Below Cal | | # | 83 |

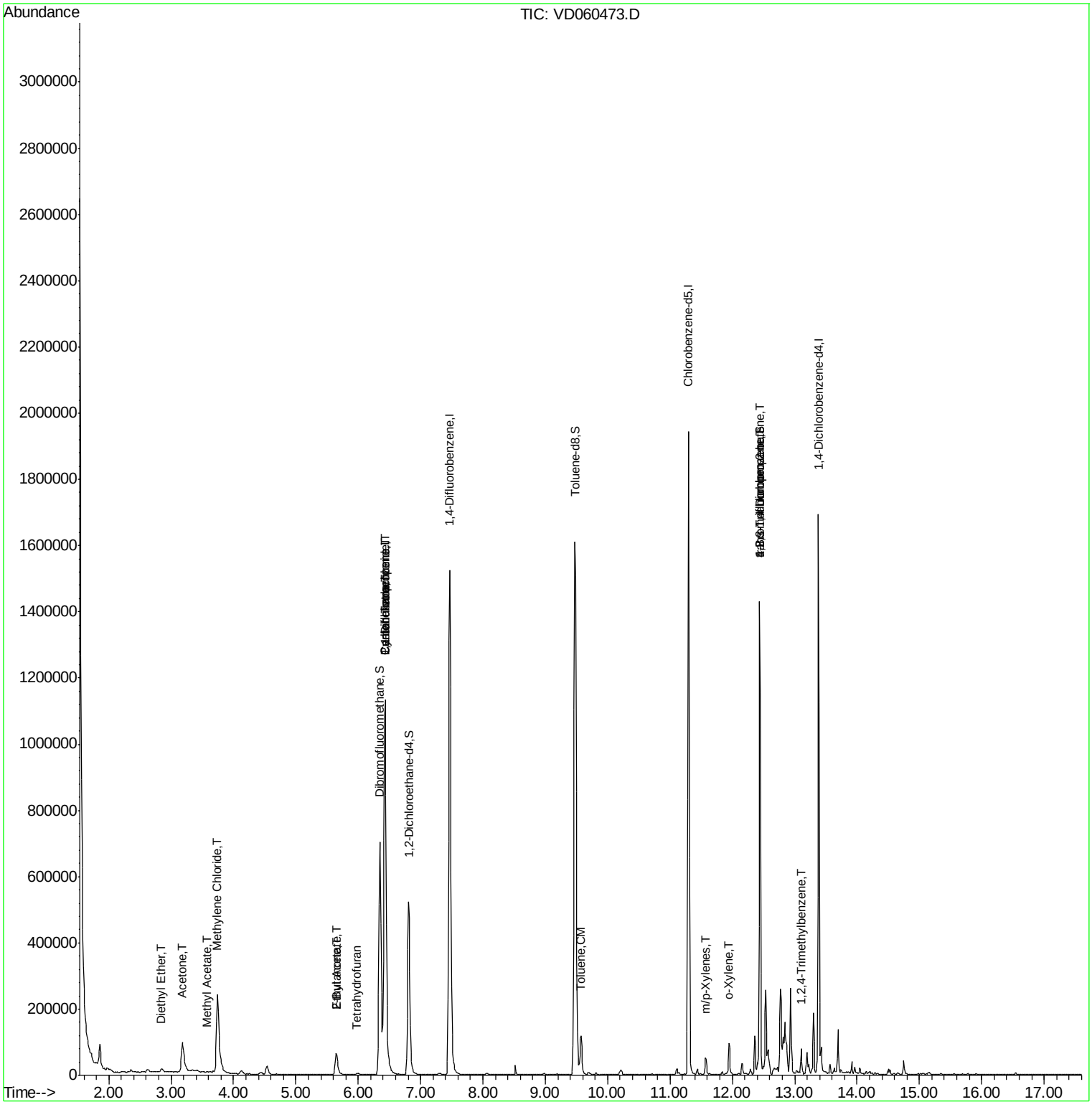
(#) = qualifier out of range (m) = manual integration (+) = signals summed

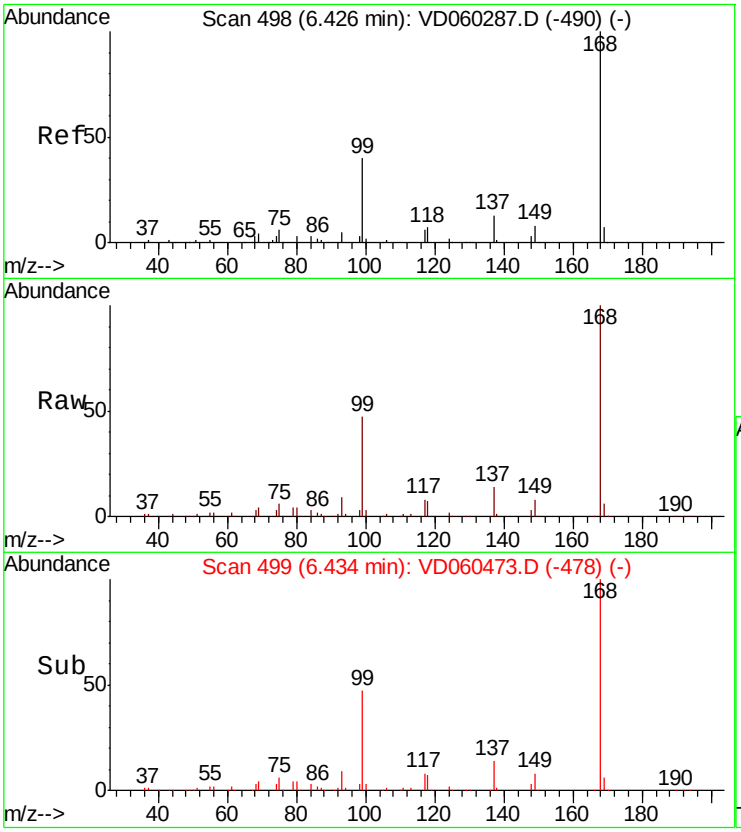
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120318\
Data File : VD060473.D
Acq On : 3 Dec 2018 14:18
Operator : VA/AP
Sample : J6162-09RE
Misc : 5.68g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
A0C10-02A-(6-12)RE

Quant Time: Dec 04 02:21:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration



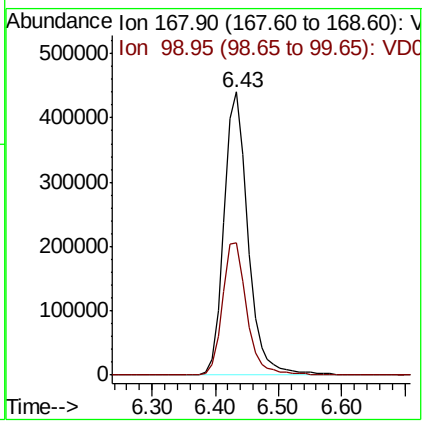


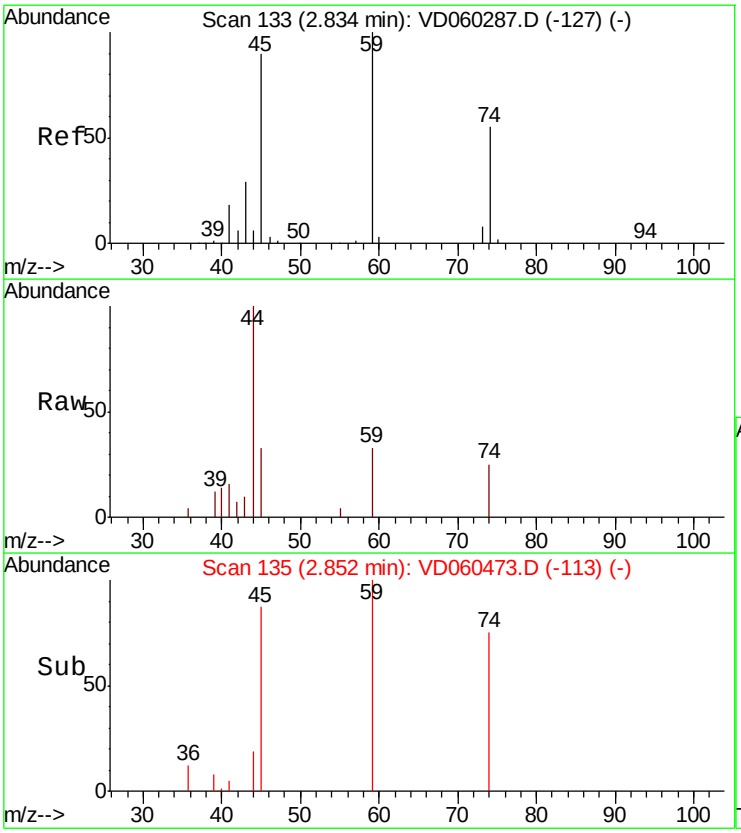

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.43 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :**
MSVOA_D
**ClientSampleId :**
A0C10-02A-(6-12)RE

Tgt Ion:168 Resp: 1157176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 46.7 | 39.8 | 59.8 |

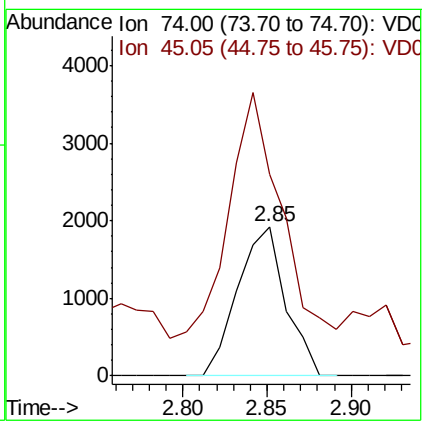


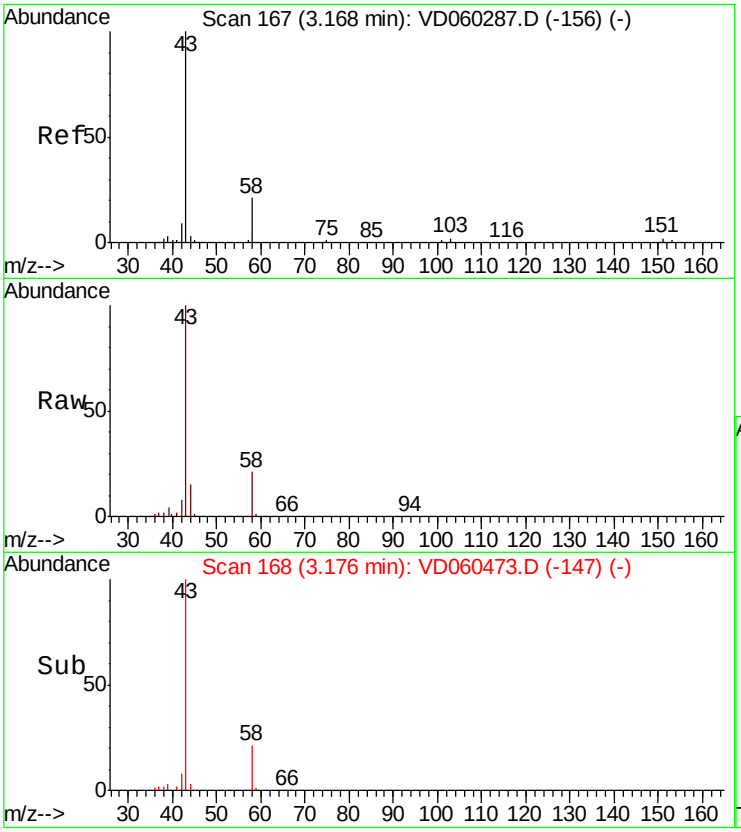




#8
Diethyl Ether
Concen: 1.986 ug/l
RT: 2.85 min Scan# 135
Delta R.T. 0.02 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 74 Resp: 3795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 134.7 | 84.8 | 254.4 |



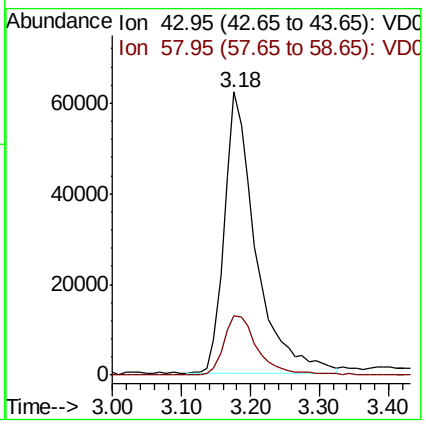


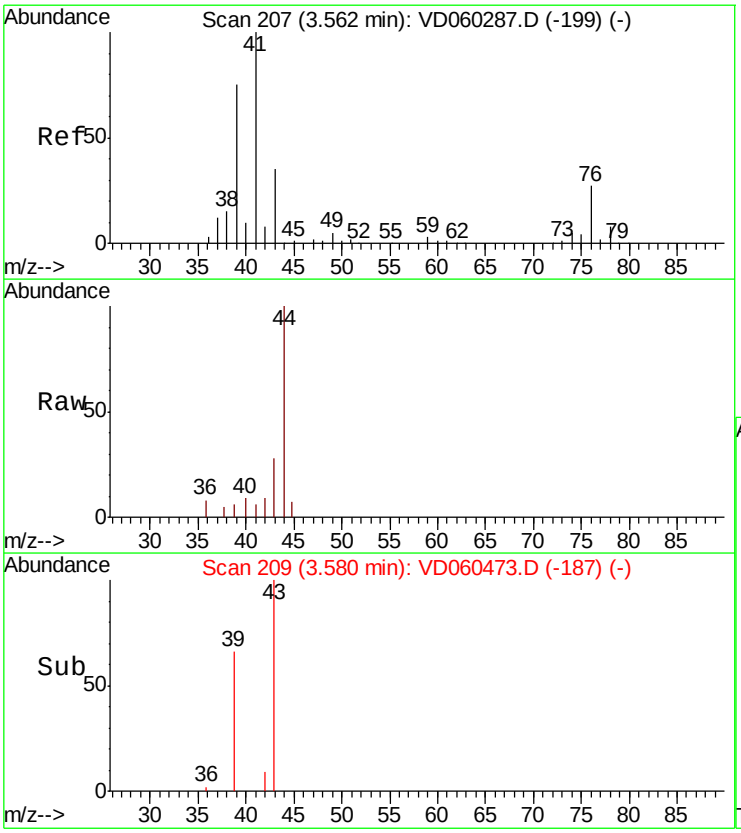

#16
Acetone
Concen: 136.275 ug/l
RT: 3.18 min Scan# 168
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :**
MSVOA_D
**ClientSampleId :**
A0C10-02A-(6-12)RE

Tgt Ion: 43 Resp: 195857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.0 | 16.9 | 25.3 |

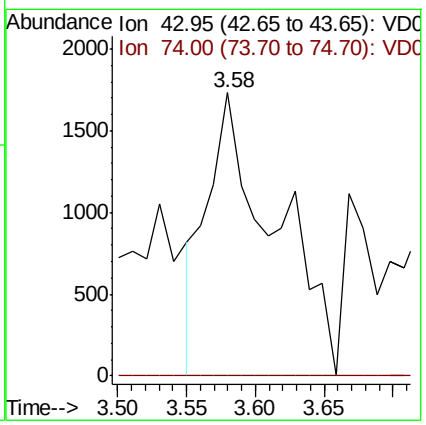


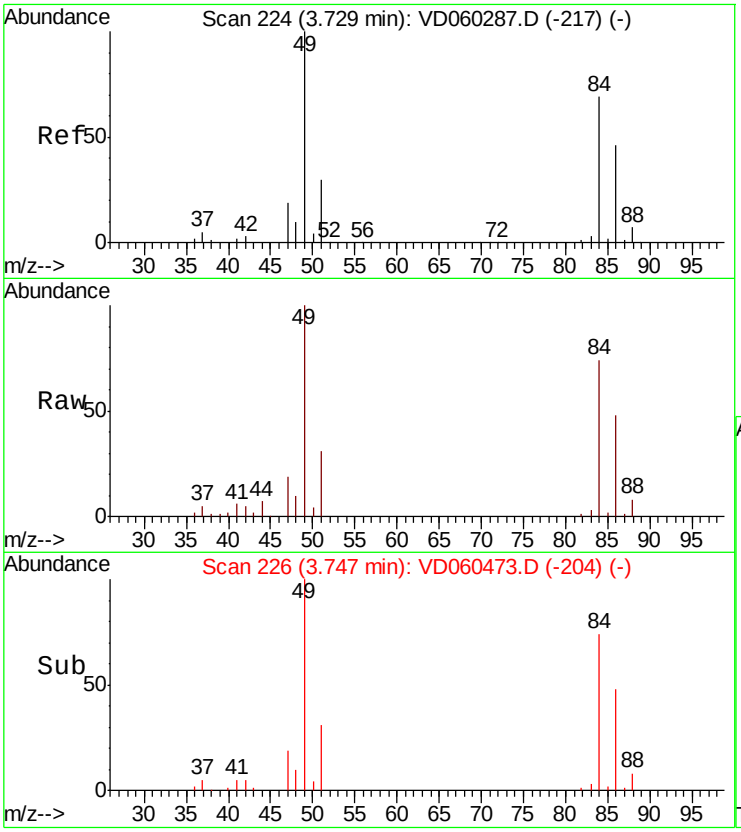




#18
Methyl Acetate
Concen: 1.913 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 43 Resp: 5861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 12.4 | 18.6# |



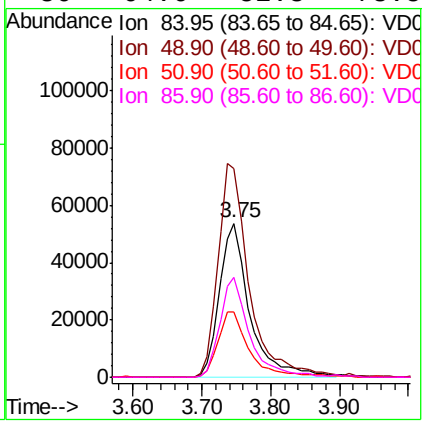


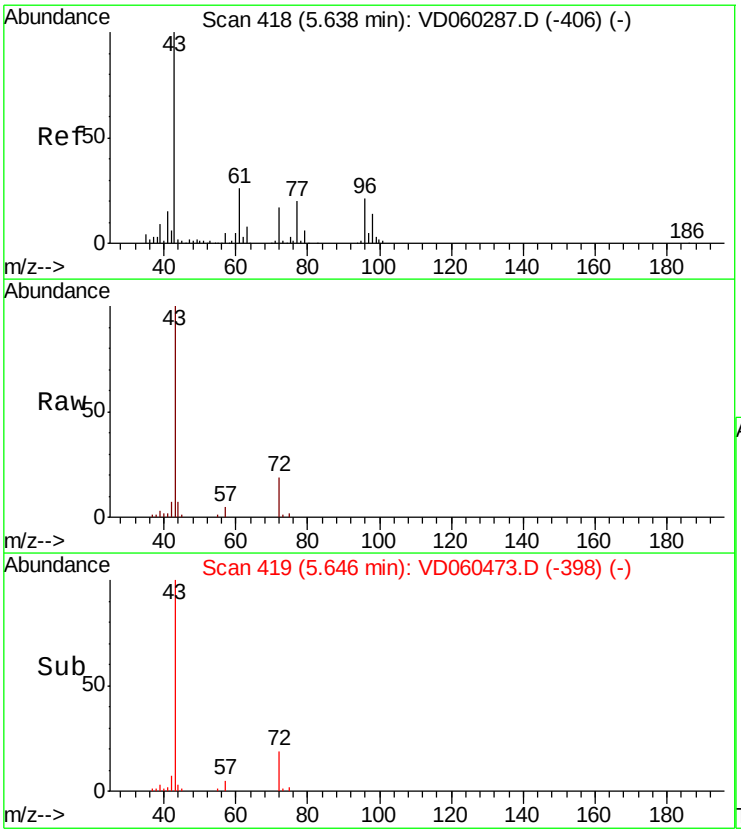

#20
Methylene Chloride
Concen: 12.795 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :** MSVOA_D
**ClientSampleId :** A0C10-02A-(6-12)RE

Tgt Ion: 84 Resp: 163130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 135.7 | 115.6 | 173.4 |
| 51 | 42.6 | 35.6 | 53.4 |
| 86 | 64.6 | 52.3 | 78.5 |

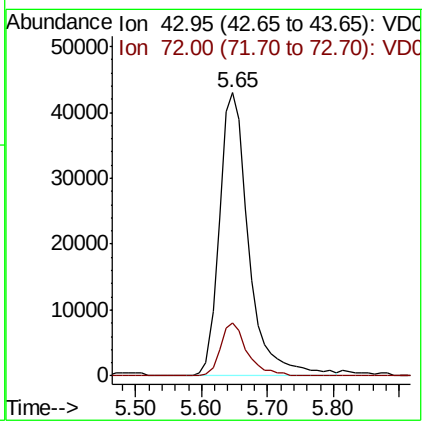


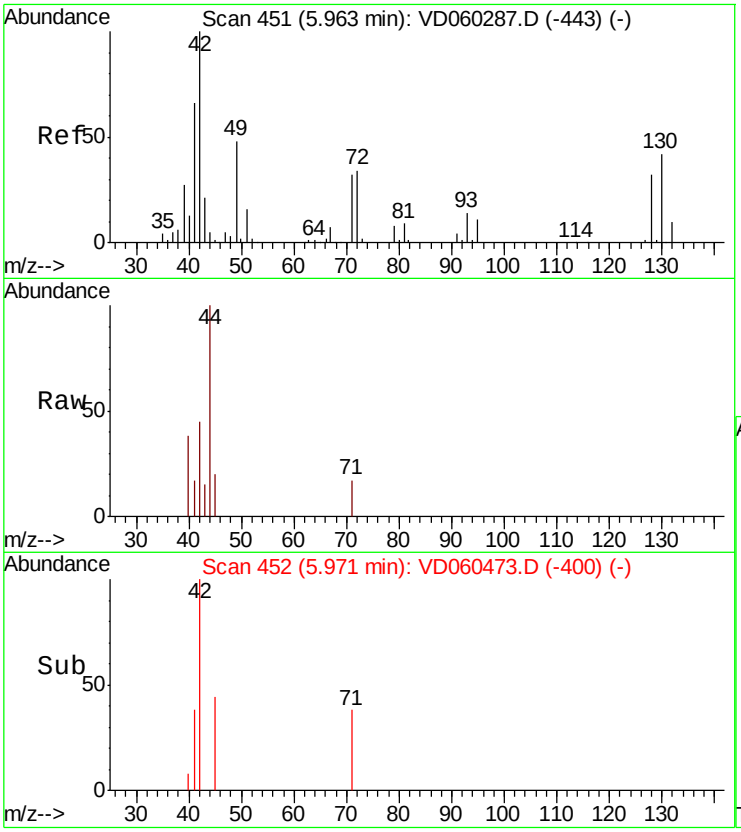




#25
2-Butanone
Concen: 44.774 ug/l
RT: 5.65 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 43 Resp: 133756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 18.9 | 13.8 | 20.8 |



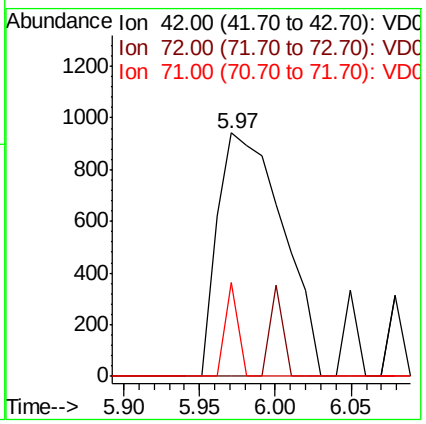


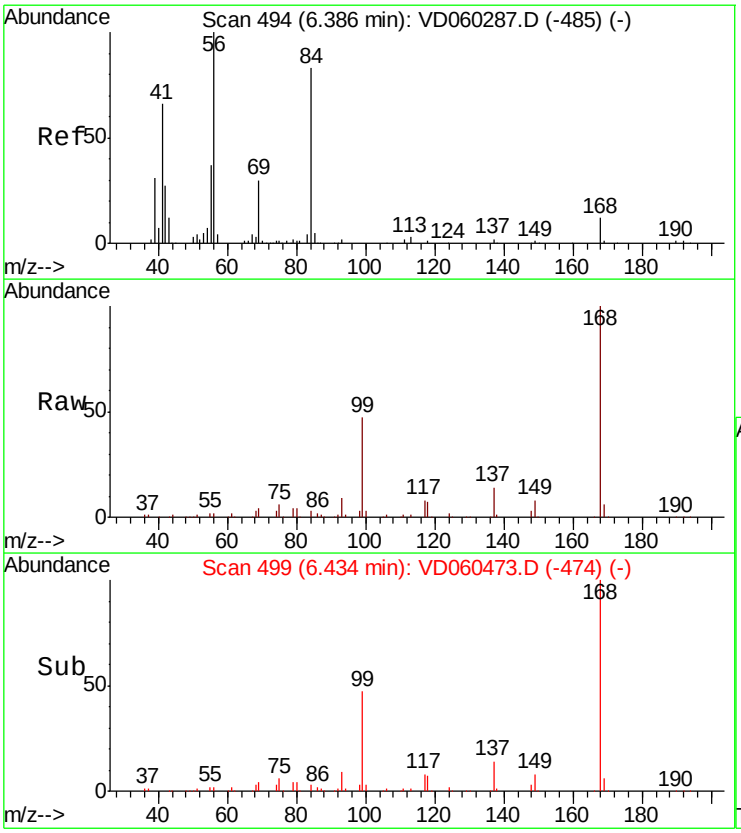

#29
Tetrahydrofuran
Concen: 1.793 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :**
MSVOA_D
**ClientSampleId :**
A0C10-02A-(6-12)RE

Tgt Ion: 42 Resp: 2824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 27.6 | 41.4# |
| 71 | 7.5 | 26.5 | 39.7# |

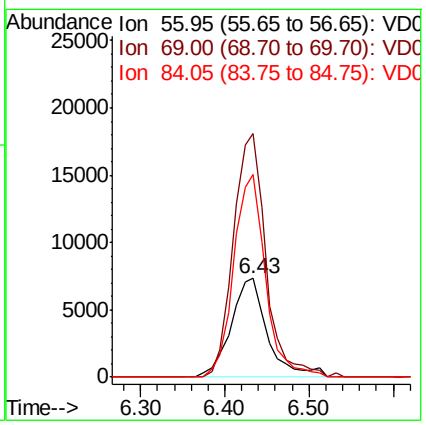


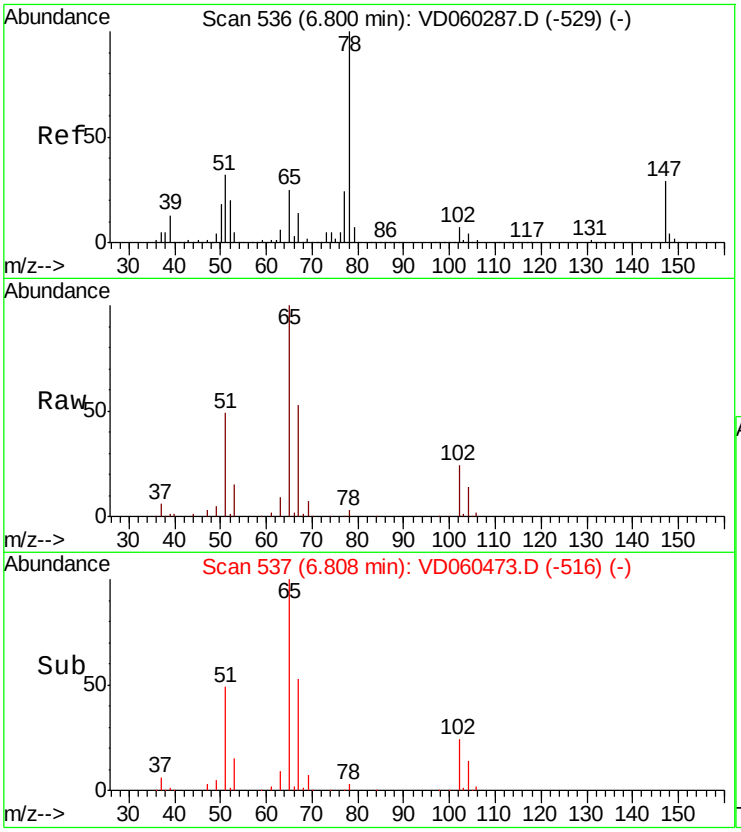




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 6.43 min Scan# 499
Delta R.T. 0.05 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 56 Resp: 22087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 246.7 | 22.2 | 33.2# |
| 84 | 205.1 | 63.0 | 94.4# |



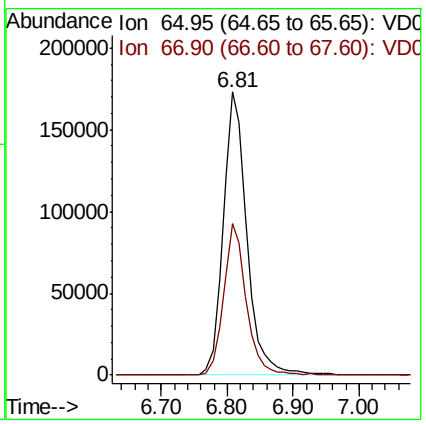


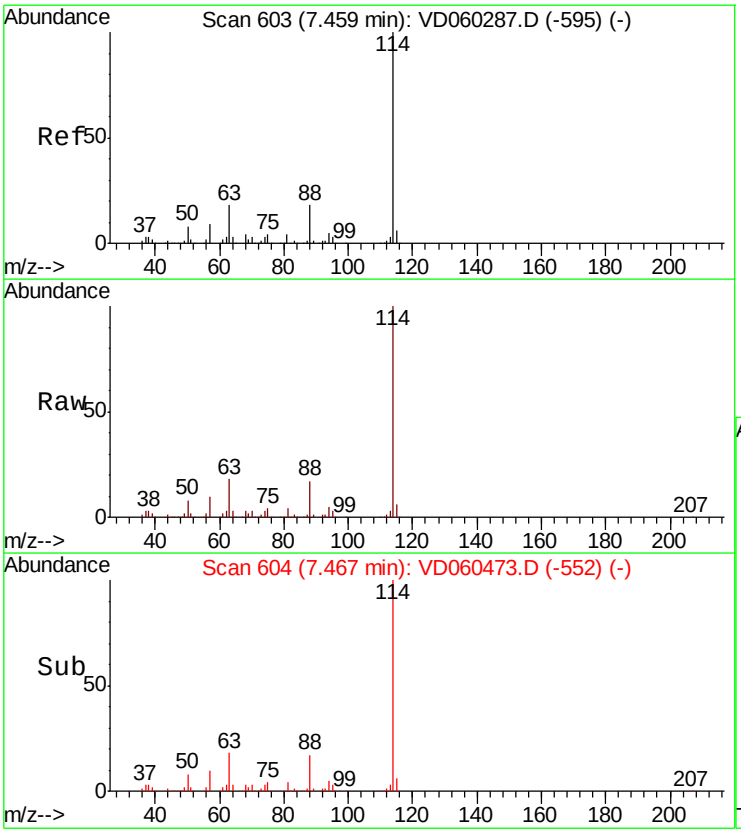

#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :** MSVOA_D
**ClientSampleId :** A0C10-02A-(6-12)RE

Tgt Ion: 65 Resp: 433873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 109.8 |

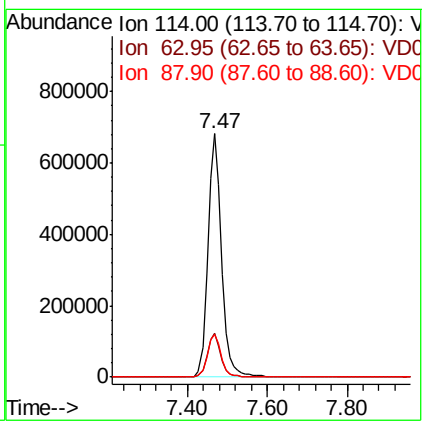


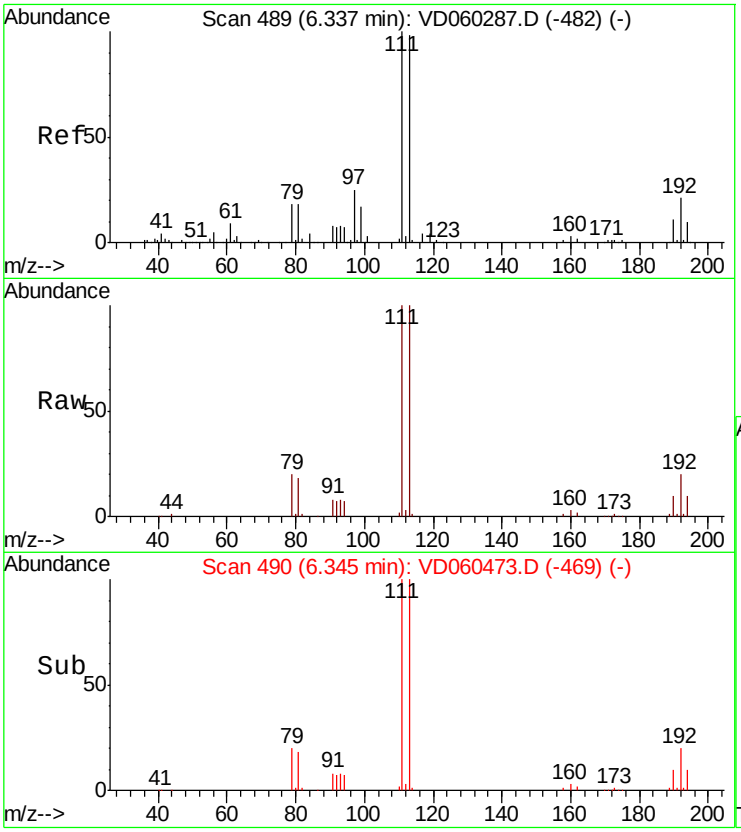




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion:114 Resp: 1625934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.0 | 0.0 | 34.0 |
| 88 | 17.3 | 0.0 | 35.4 |



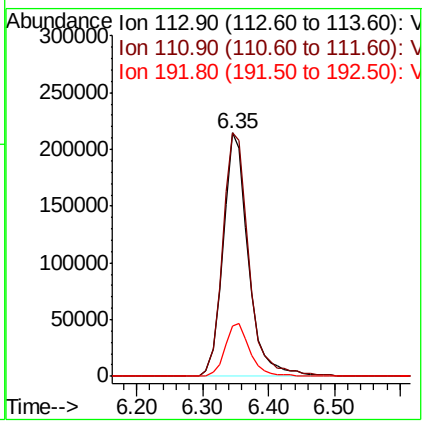


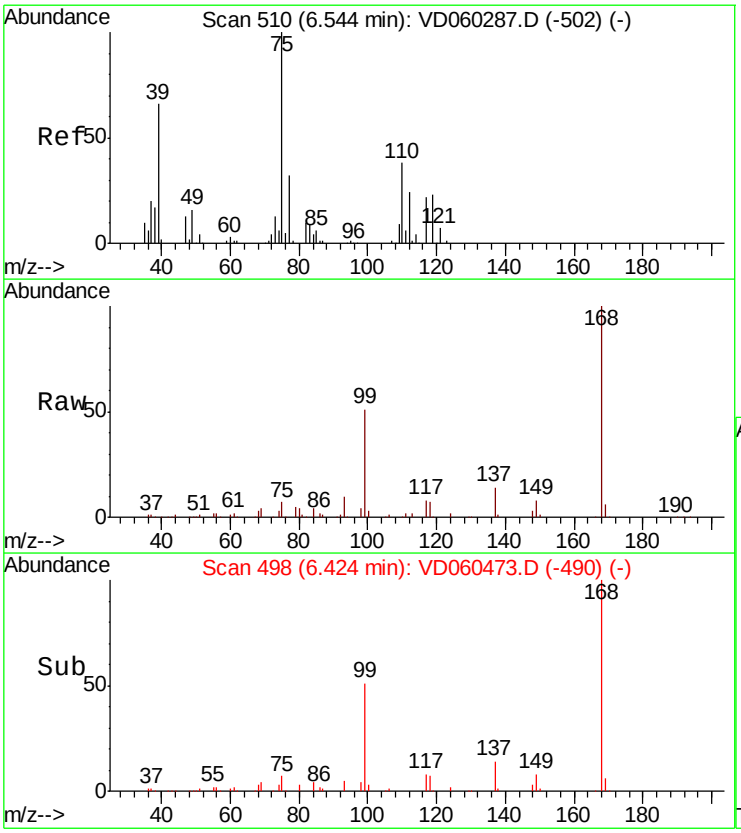

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :**
MSVOA_D
**ClientSampleId :**
A0C10-02A-(6-12)RE

Tgt Ion:113 Resp: 574141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.0 | 81.6 | 122.4 |
| 192 | 20.5 | 16.5 | 24.7 |

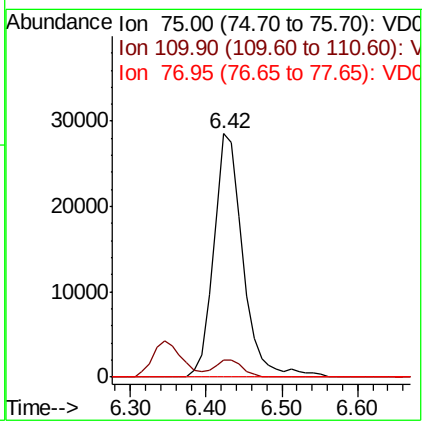


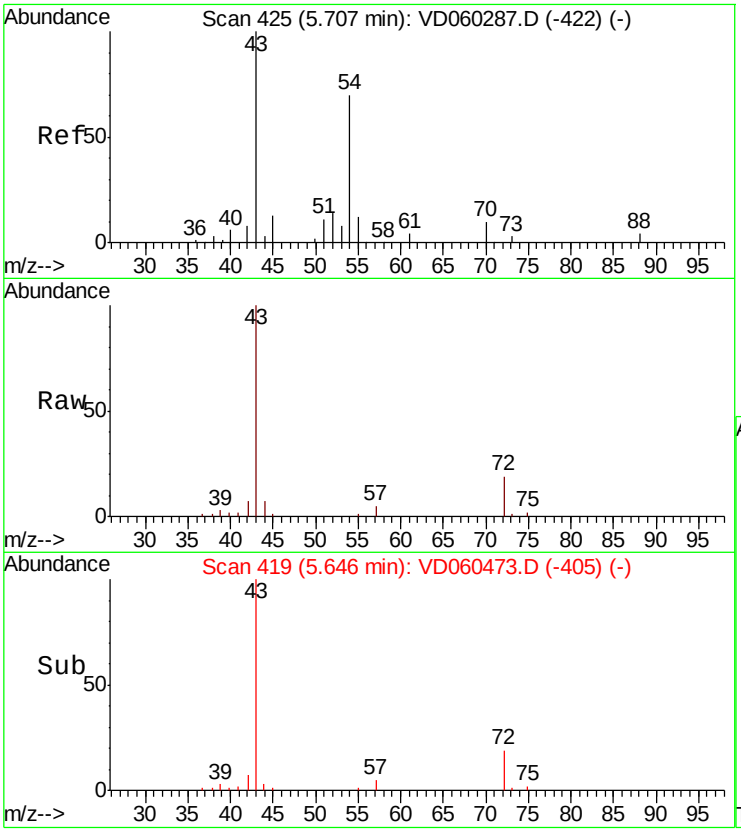




#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.12 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 75 Resp: 76797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 6.8 | 18.0 | 54.0# |
| 77 | 0.0 | 25.6 | 38.4# |



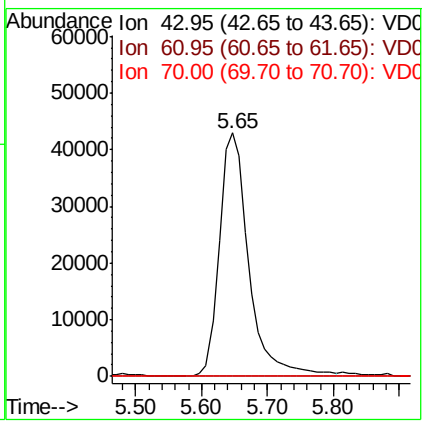


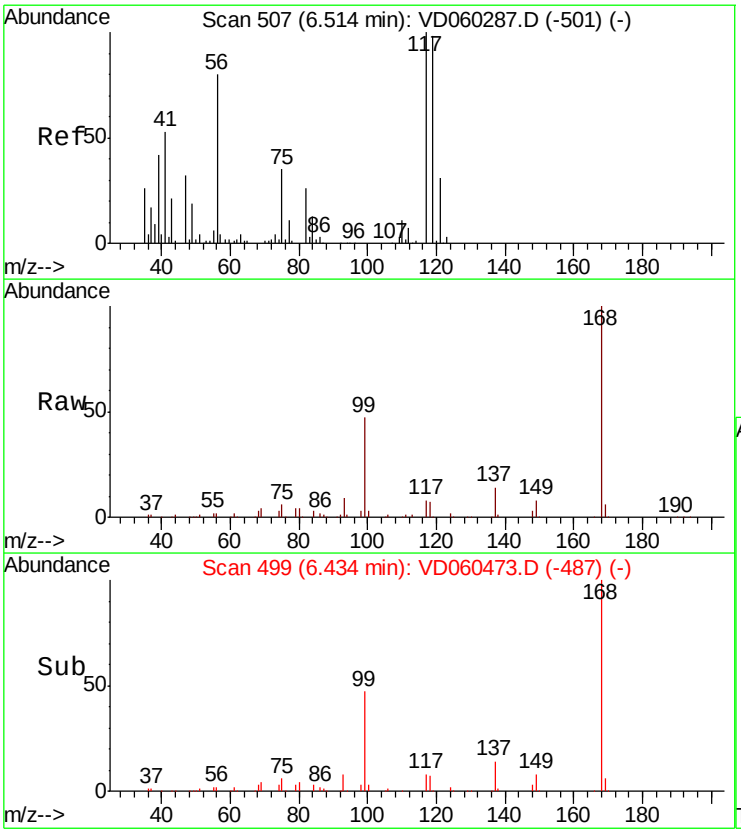

#37
Ethyl Acetate
Concen: 18.095 ug/l
RT: 5.65 min Scan# 419
Delta R.T. -0.06 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :** MSVOA_D
**ClientSampleId :** A0C10-02A-(6-12)RE

Tgt Ion: 43 Resp: 133756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.8 | 17.6# |
| 70 | 0.0 | 6.2 | 9.4# |

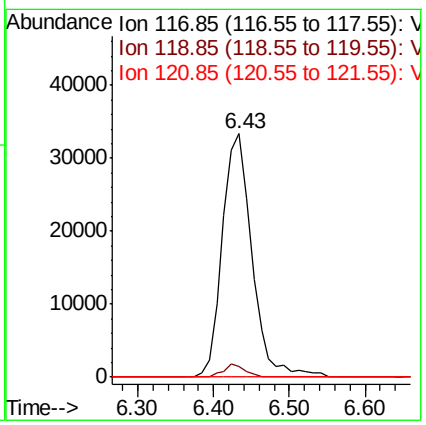


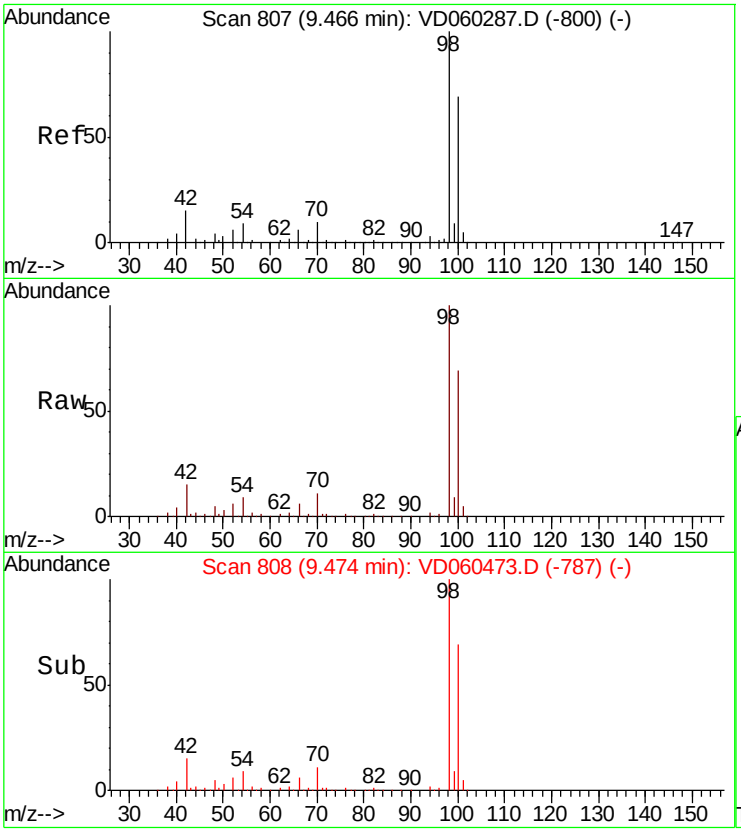




#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 6.43 min Scan# 499
Delta R.T. -0.08 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion:117 Resp: 90290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.4 | 76.6 | 115.0# |
| 121 | 0.0 | 24.3 | 36.5# |



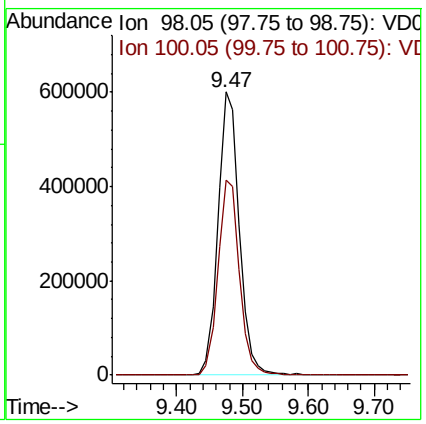


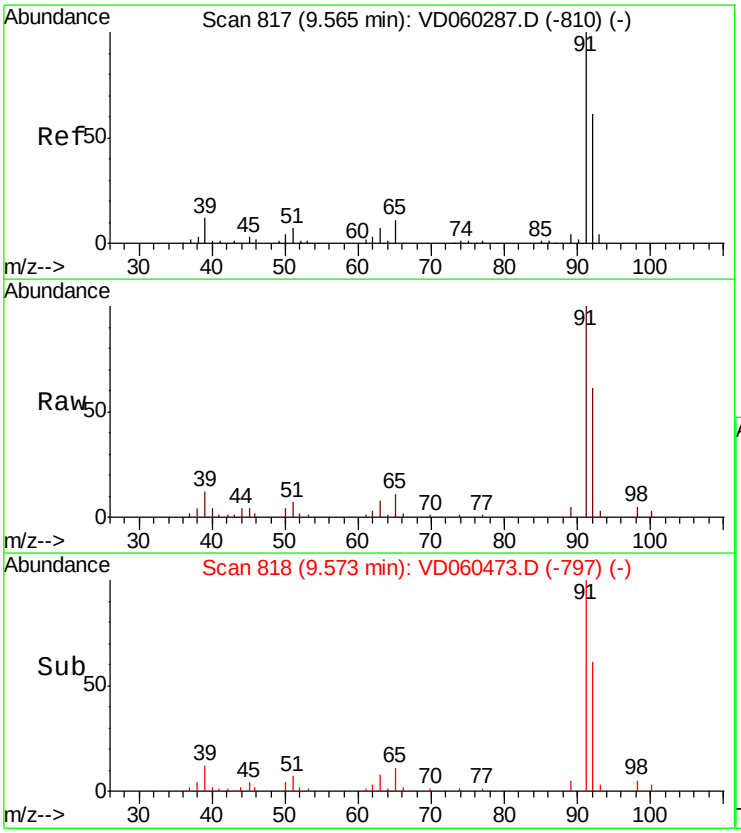

#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :**
MSVOA_D
**ClientSampleId :**
A0C10-02A-(6-12)RE

Tgt Ion: 98 Resp: 1355348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.8 | 55.2 | 82.8 |

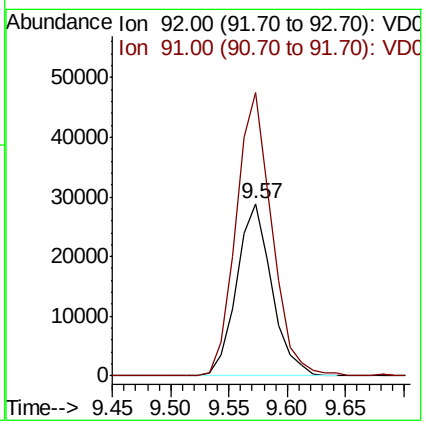


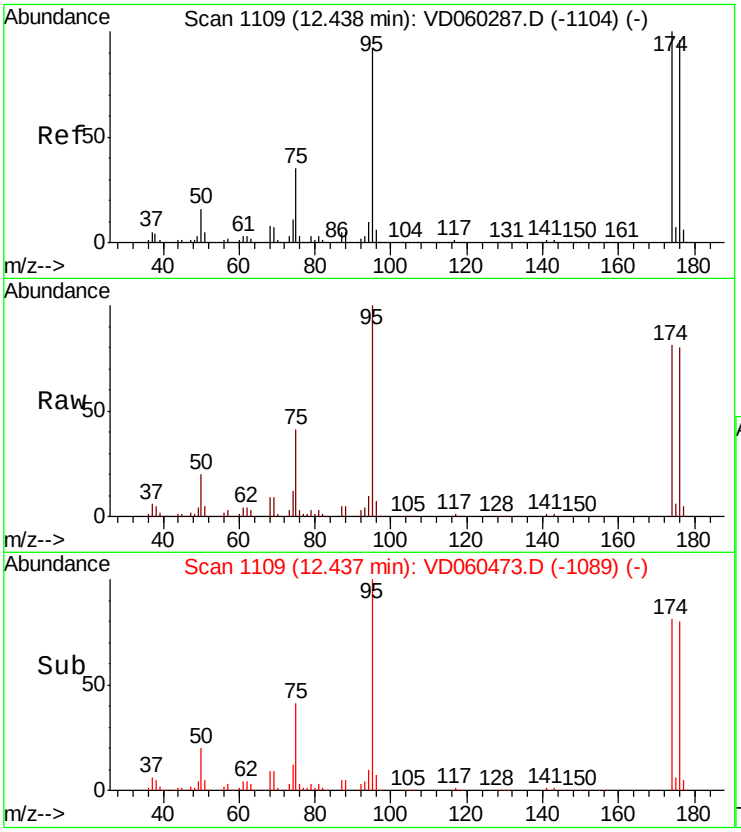




#52
Toluene
Concen: 2.286 ug/l
RT: 9.57 min Scan# 818
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 92 Resp: 59871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 164.4 | 131.9 | 197.9 |



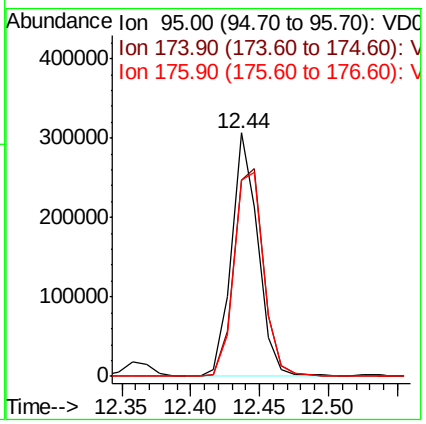


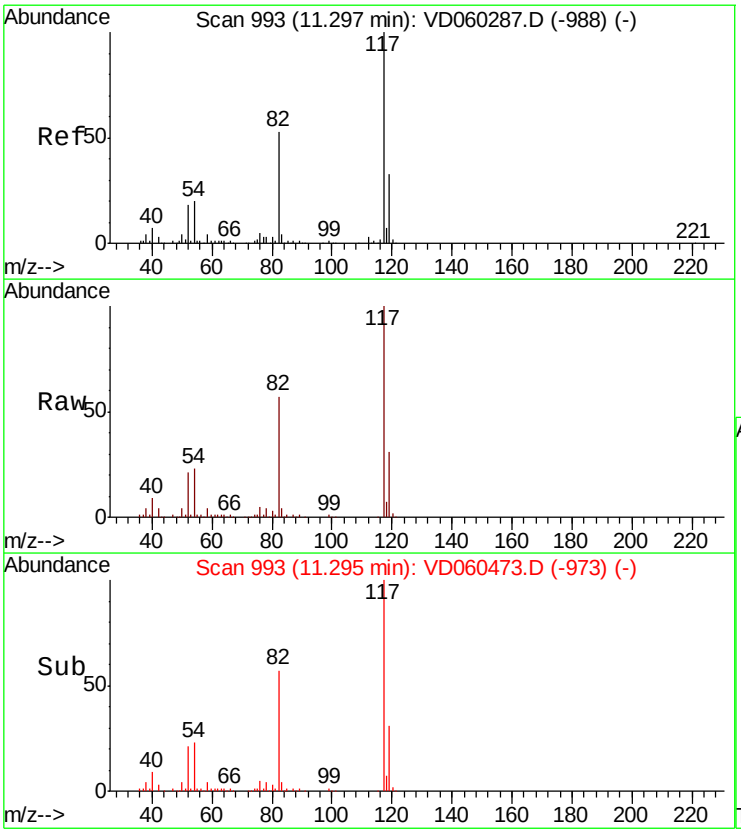

#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :**
MSVOA_D
**ClientSampleId :**
A0C10-02A-(6-12)RE

Tgt Ion: 95 Resp: 409550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.9 | 0.0 | 160.8 |
| 176 | 80.4 | 0.0 | 154.6 |

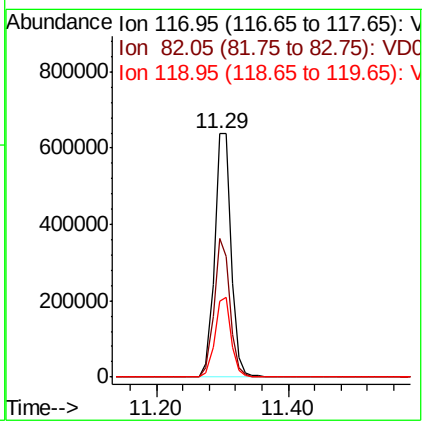


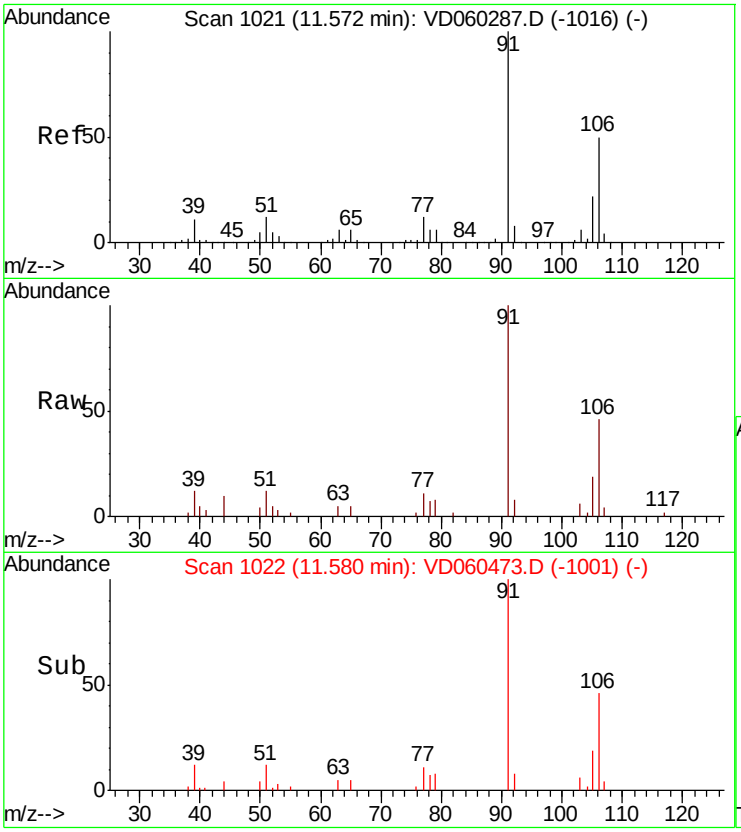




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion:117 Resp: 1112318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.0 | 43.7 | 65.5 |
| 119 | 31.3 | 26.1 | 39.1 |



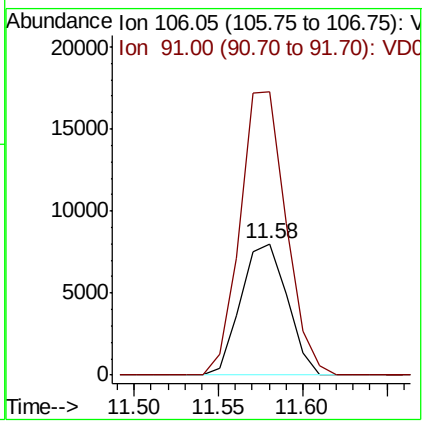


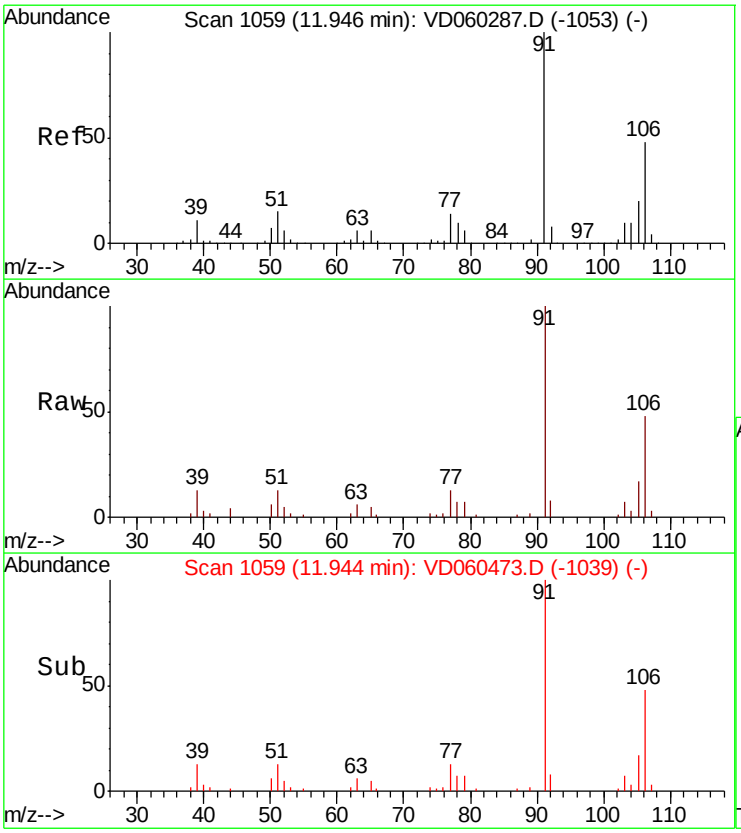

#68
m/p-Xylenes
Concen: 1.003 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :** MSVOA_D
**ClientSampleId :** A0C10-02A-(6-12)RE

Tgt Ion:106 Resp: 15251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.5 | 159.4 | 239.2 |

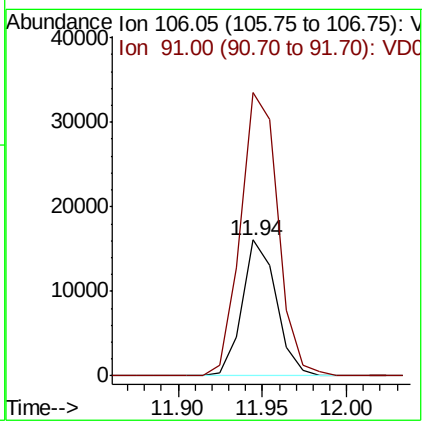


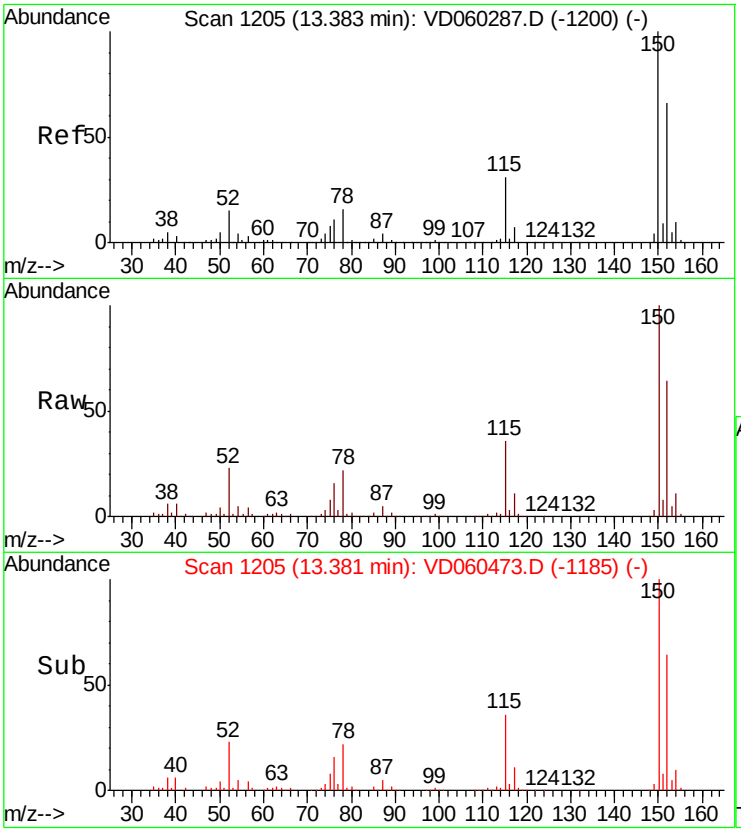




#69
o-Xylene
Concen: 1.538 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion:106 Resp: 22590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.7 | 109.2 | 327.6 |



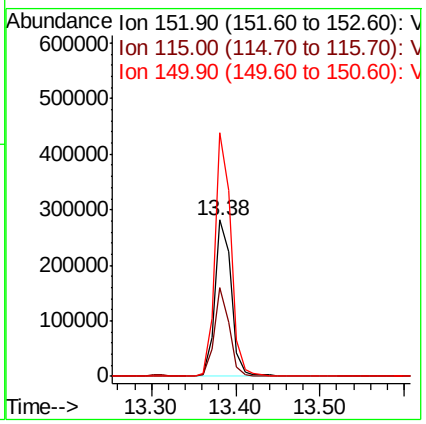


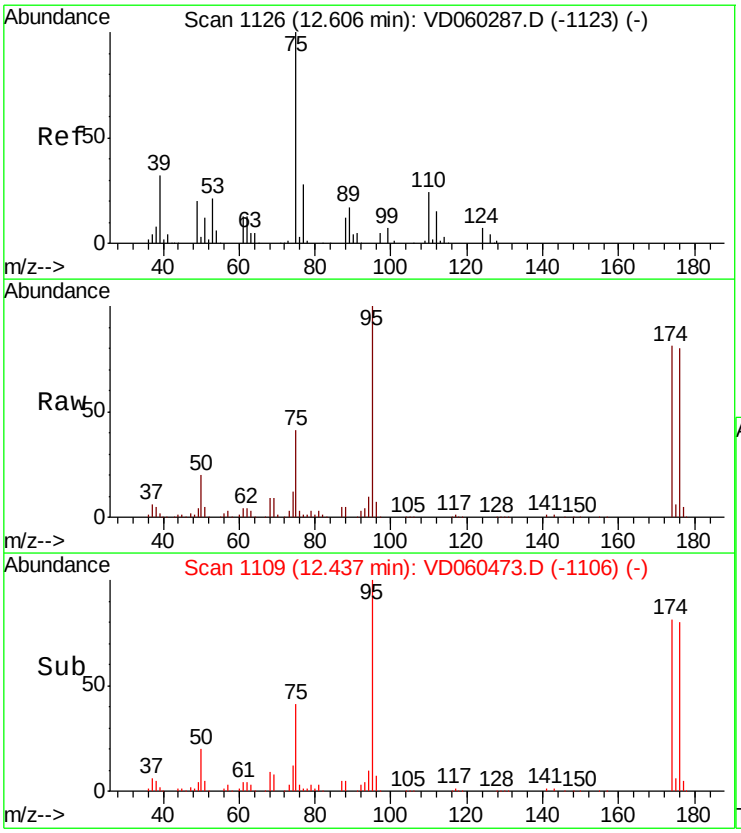

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :** MSVOA_D
**ClientSampleId :** A0C10-02A-(6-12)RE

Tgt Ion:152 Resp: 377879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.4 | 24.1 | 72.3 |
| 150 | 155.7 | 0.0 | 310.6 |

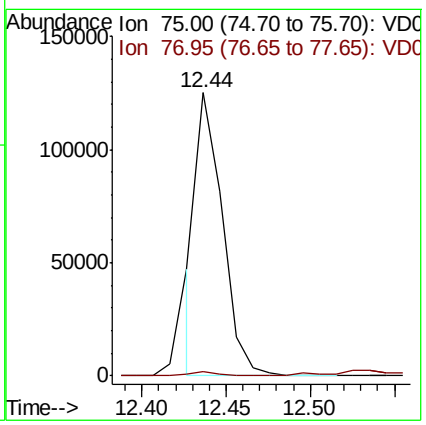


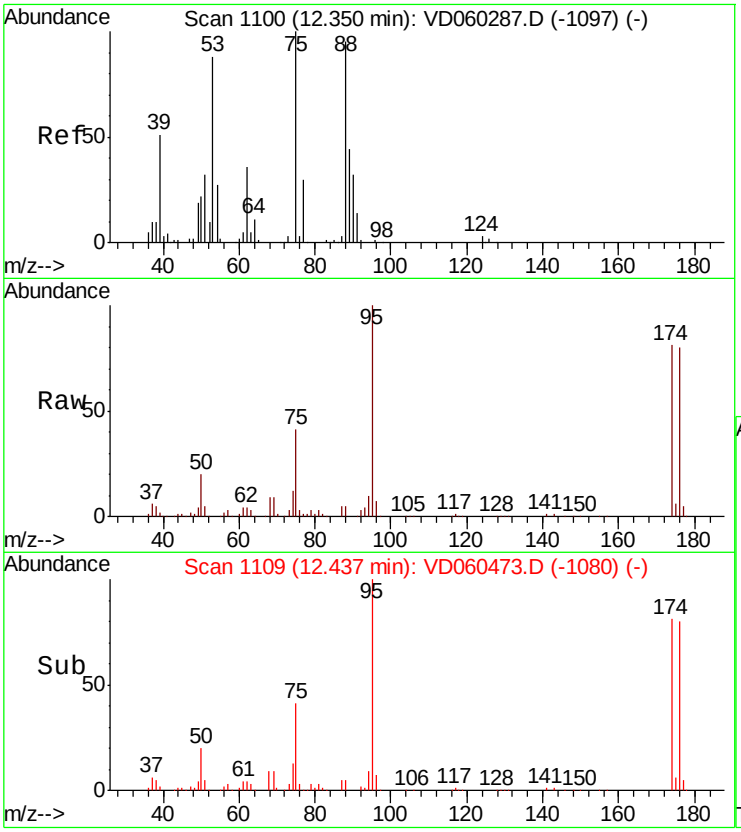




#76
1,2,3-Trichloropropane
Concen: 29.928 ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.17 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion: 75 Resp: 135283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 16.4 | 49.1# |



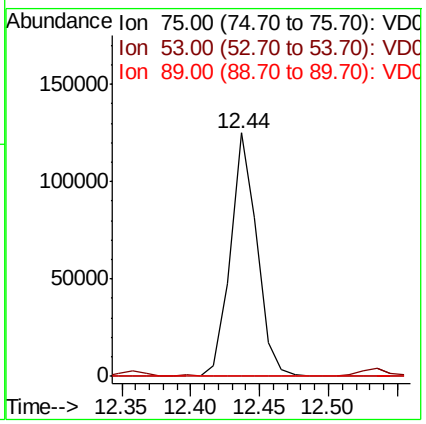


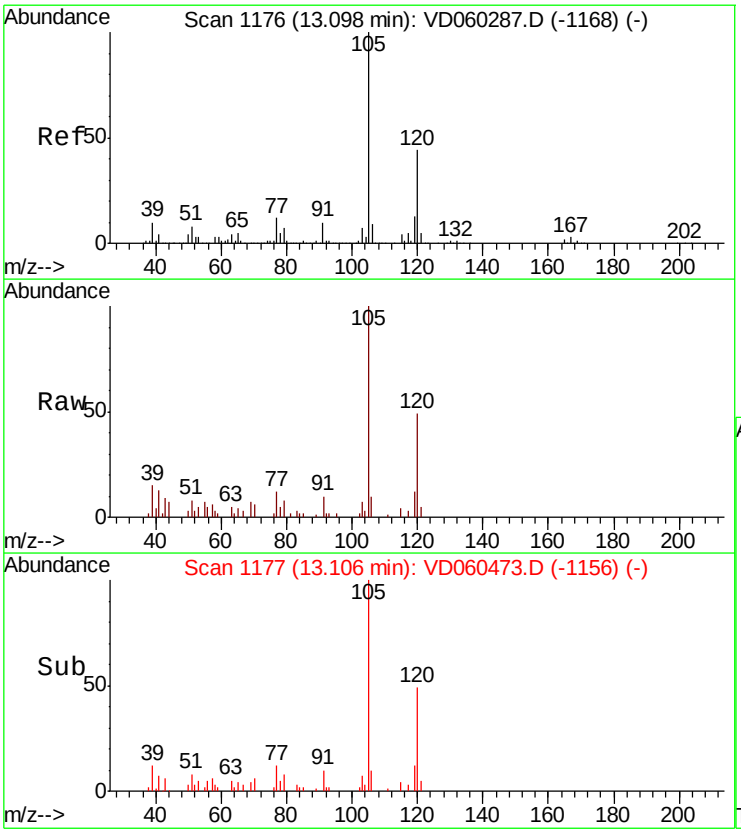

#81
trans-1,4-Dichloro-2-butene
Concen: 129.170 ug/l
RT: 12.44 min Scan# 1109
Delta R.T. 0.09 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

**Instrument :**
MSVOA_D
**ClientSampleId :**
A0C10-02A-(6-12)RE

Tgt Ion: 75 Resp: 166232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 68.6 | 103.0# |
| 89 | 0.0 | 34.1 | 51.1# |




#84
1,2,4-Trimethylbenzene
Concen: 1.238 ug/l
RT: 13.11 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060473.D
Acq: 3 Dec 2018 14:18

Tgt Ion:105 Resp: 26447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 21.9 | 65.8 |