Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
Data File : VW008587.D
Acq On : 08 Feb 2019 21:54
Operator : SY/VA
Sample : K1409-03RE
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** SB-09(0-2)

Quant Time: Feb 09 00:30:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 452713 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.84 | 114 | 731157 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 677273 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 330813 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.30 | 65 | 254023 | 57.12 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 114.24% | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 230401 | 53.89 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.78% | | | |
| 50) Toluene-d8 | 10.32 | 98 | 878677 | 51.25 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.50% | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 341362 | 51.80 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.00 | 85 | 131 | 3.299 | ug/l # | 41 |
| 7) Trichlorofluoromethane | 3.25 | 101 | 226 | 4.775 | ug/l # | 20 |
| 11) Tert butyl alcohol | 5.21 | 59 | 1161 | 3.242 | ug/l # | 44 |
| 13) Acrolein | 3.90 | 56 | 86 | 4.453 | ug/l # | 14 |
| 16) Acetone | 4.13 | 43 | 56812 | 56.883 | ug/l | 93 |
| 20) Methylene Chloride | 4.92 | 84 | 20050 | 4.356 | ug/l # | 90 |
| 25) 2-Butanone | 7.15 | 43 | 3319 | 2.393 | ug/l # | 77 |
| 31) Cyclohexane | 7.94 | 56 | 12234 | 1.402 | ug/l # | 16 |
| 36) 1,1-Dichloropropene | 7.94 | 75 | 35160 | 5.091 | ug/l # | 54 |
| 38) Carbon Tetrachloride | 7.94 | 117 | 44539 | 6.408 | ug/l # | 17 |
| 49) 1,4-Dioxane | 9.43 | 88 | 65 | 1.565 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 12.62 | 75 | 178938 | 62.214 | ug/l # | 1 |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75 | 178938 | 122.877 | ug/l # | 12 |
| 83) tert-Butylbenzene | 13.20 | 119 | 30950 | 1.687 | ug/l # | 42 |

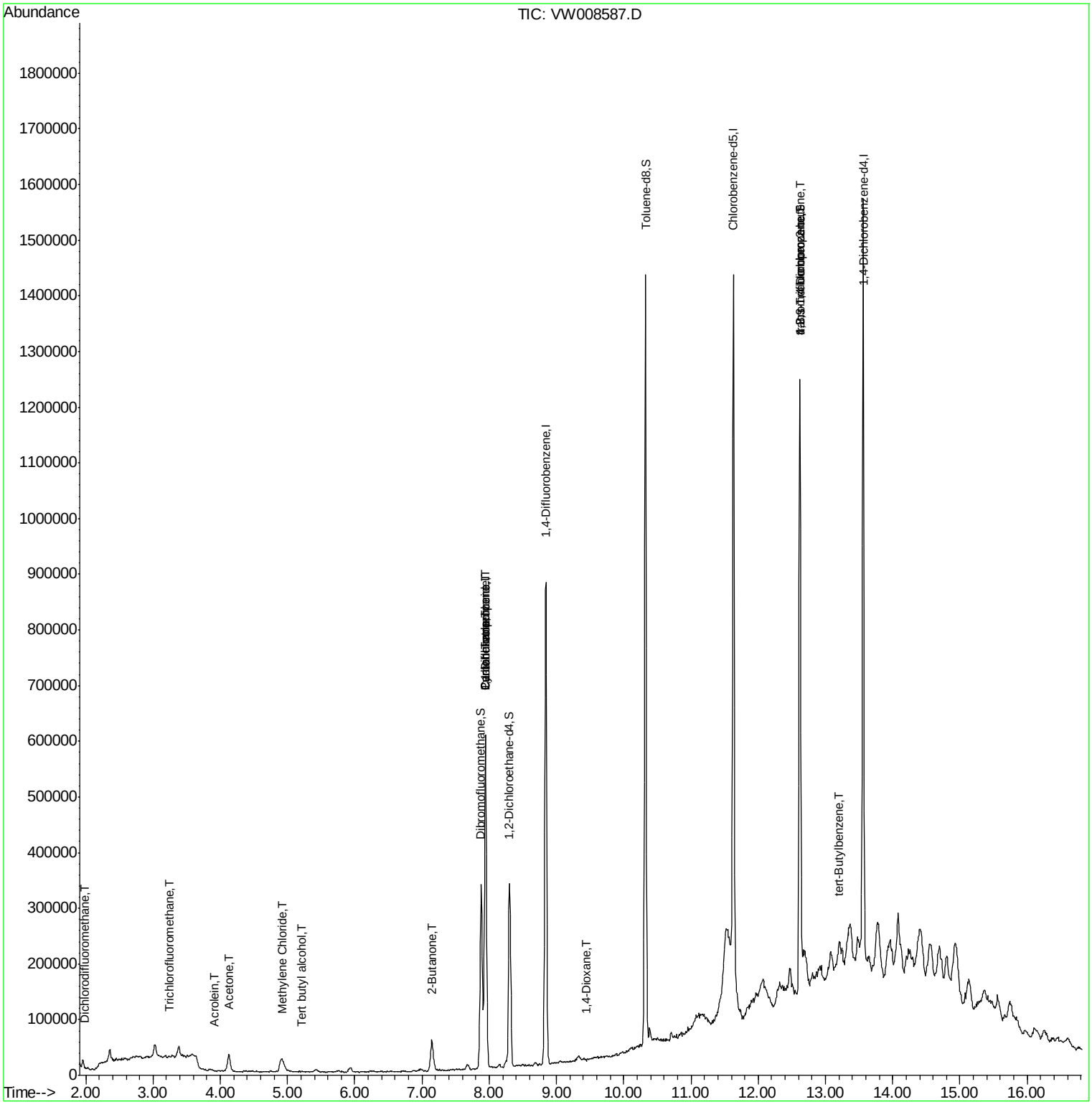
(#) = qualifier out of range (m) = manual integration (+) = signals summed

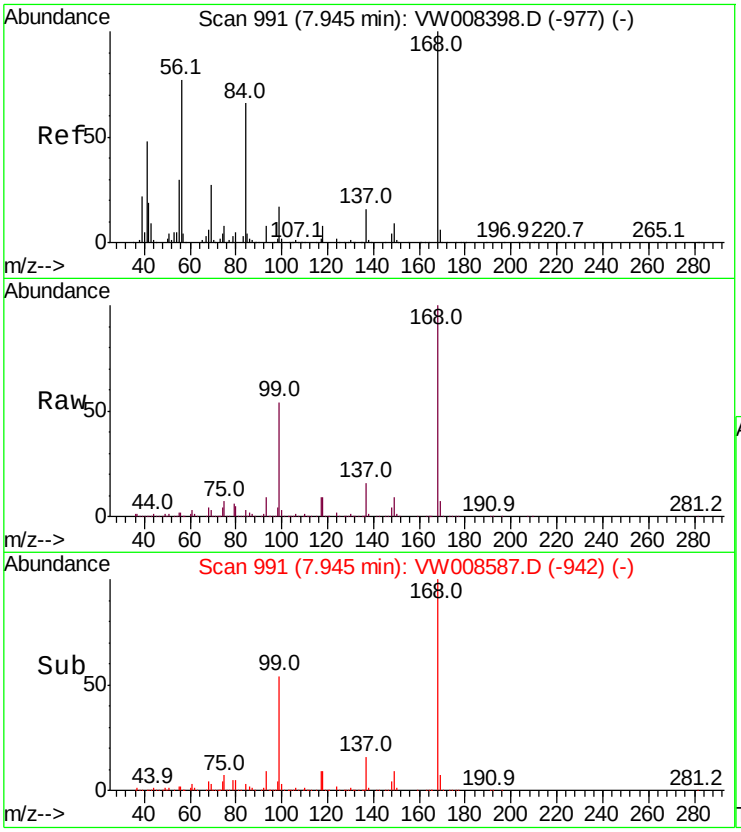
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
Data File : VW008587.D
Acq On : 08 Feb 2019 21:54
Operator : SY/VA
Sample : K1409-03RE
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SB-09(0-2)

Quant Time: Feb 09 00:30:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration



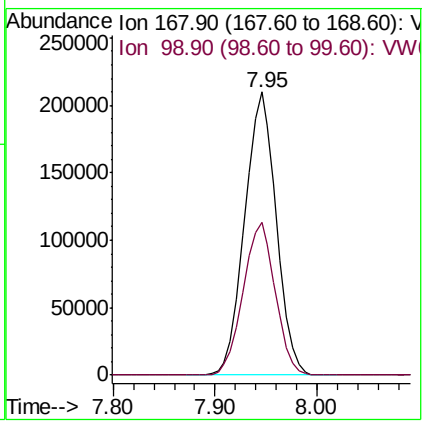


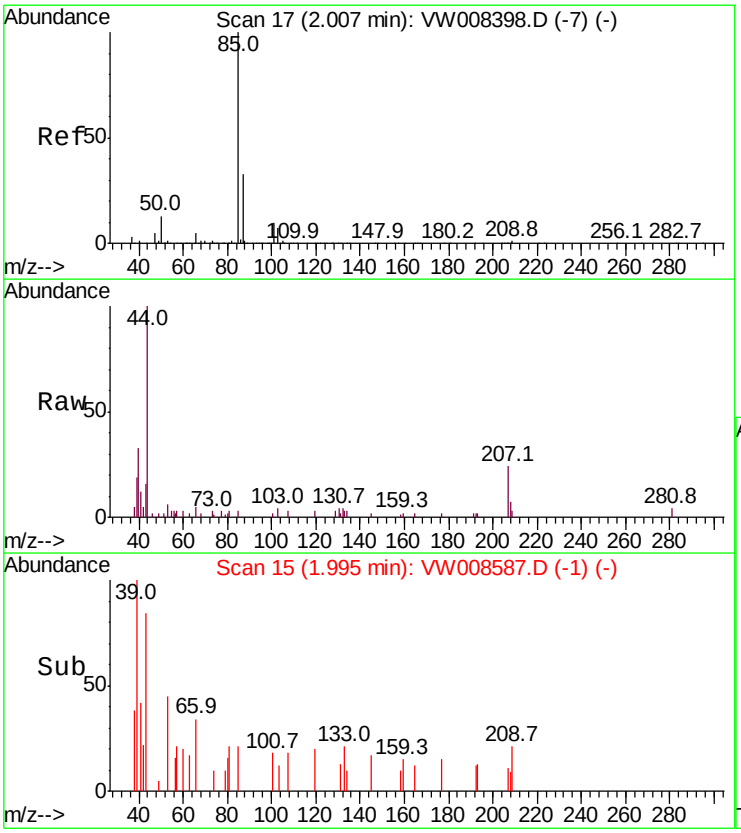

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :**
MSVOA_W
**ClientSampleId :**
SB-09(0-2)

Tgt Ion:168 Resp: 452713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.8 | 45.5 | 68.3 |

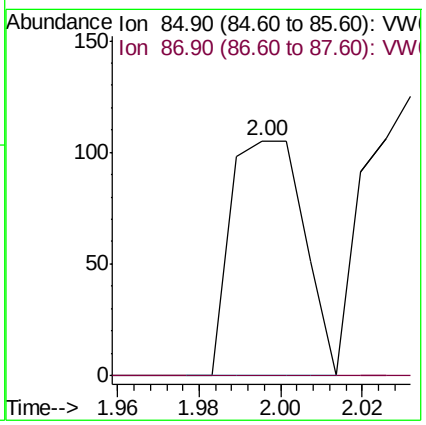


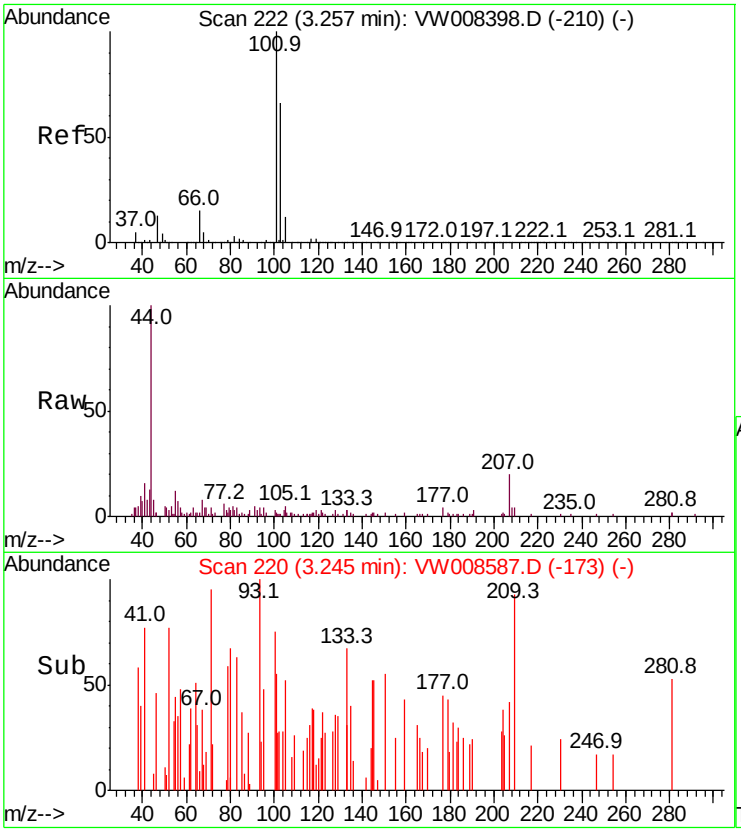




#2
Dichlorodifluoromethane
Concen: 3.299 ug/l
RT: 2.00 min Scan# 15
Delta R.T. -0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion: 85 Resp: 131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 16.7 | 50.1# |



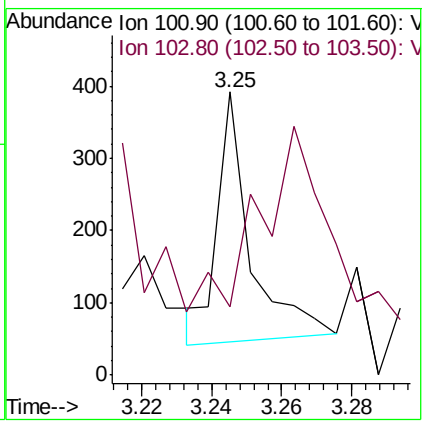


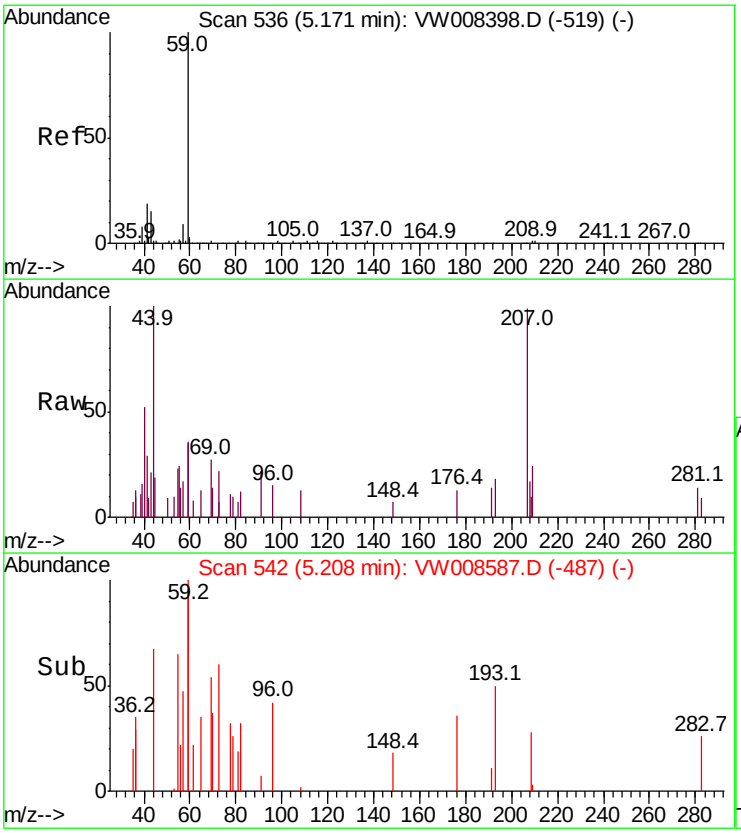

#7
Trichlorofluoromethane
Concen: 4.775 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :** MSVOA_W
**ClientSampleId :** SB-09(0-2)

Tgt Ion:101 Resp: 226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 2.1 | 52.5 | 78.7# |

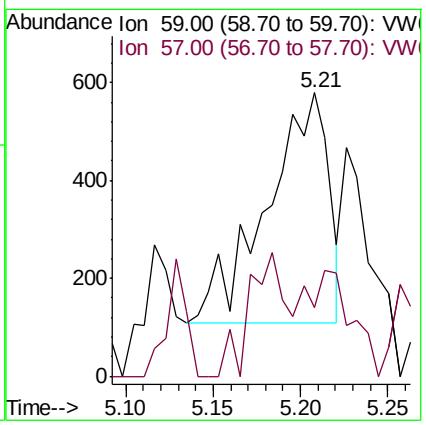


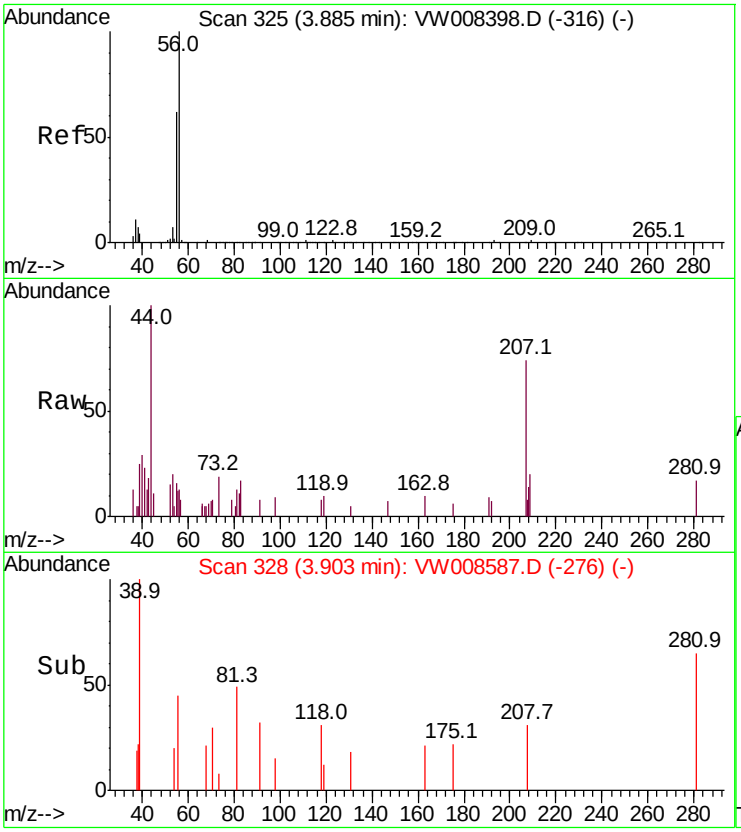




#11
Tert butyl alcohol
Concen: 3.242 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.04 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion: 59 Resp: 1161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 33.3 | 9.3 | 13.9# |



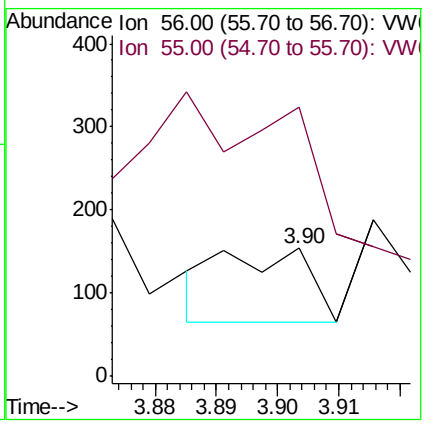


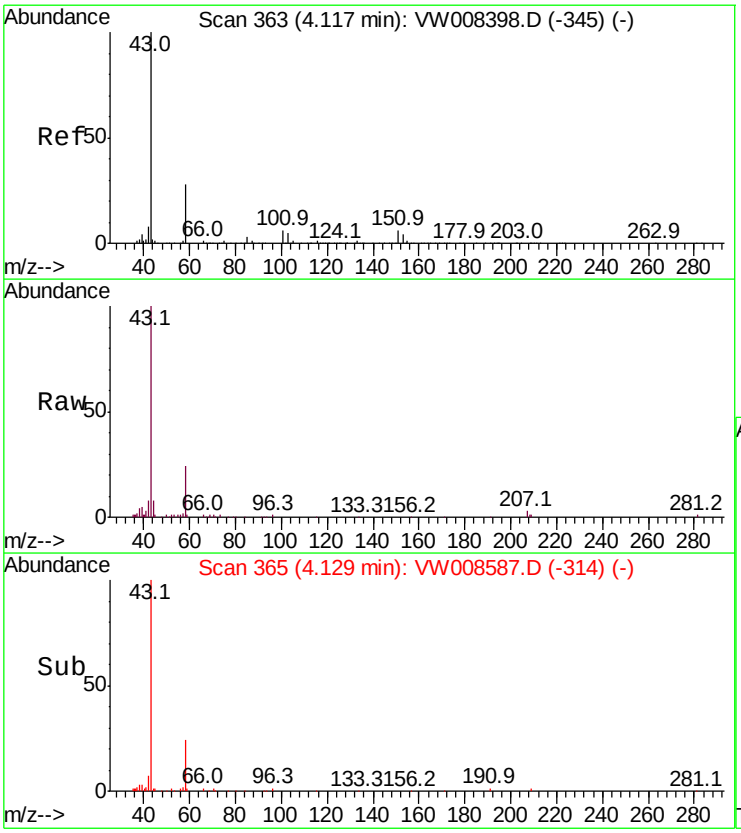

#13
Acrolein
Concen: 4.453 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.02 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :** MSVOA_W
**ClientSampleId :** SB-09(0-2)

Tgt Ion: 56 Resp: 86

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 56.7 | 85.1# |

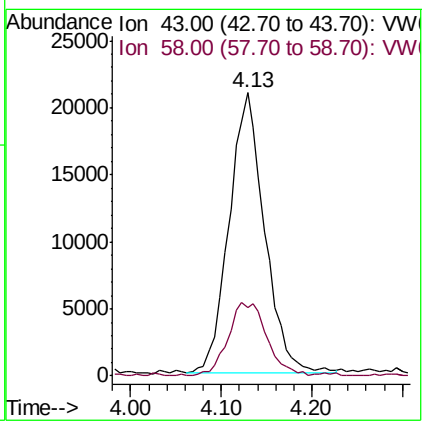


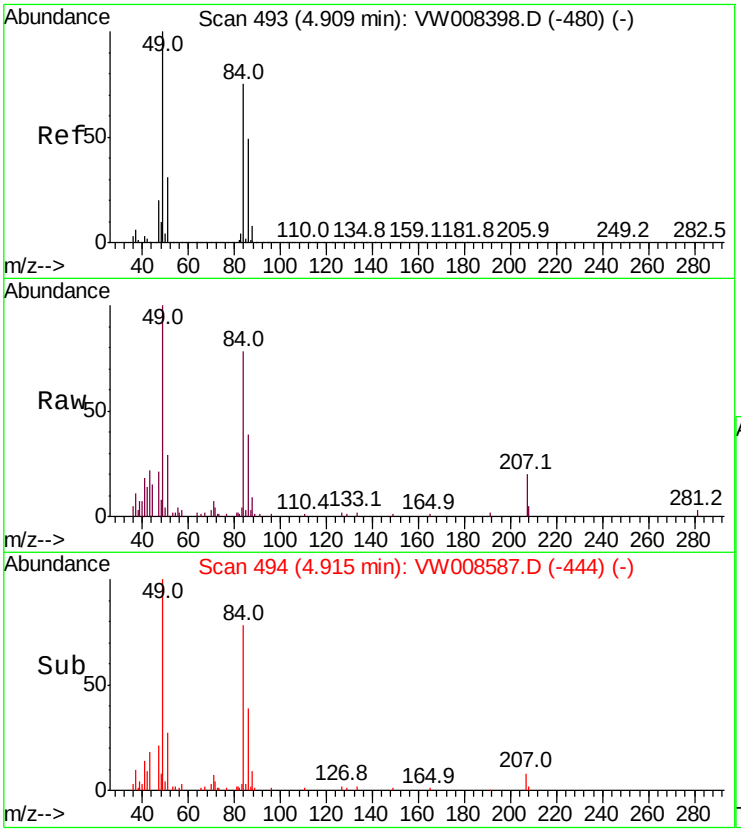




#16
Acetone
Concen: 56.883 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion: 43 Resp: 56812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.5 | 22.6 | 34.0 |



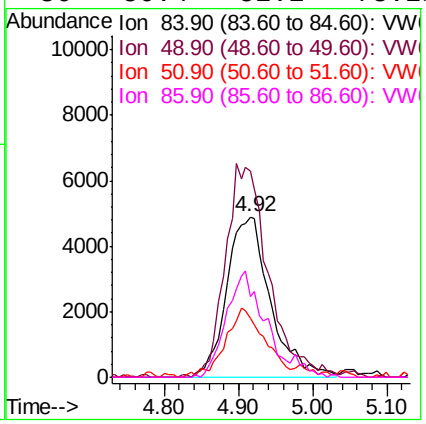


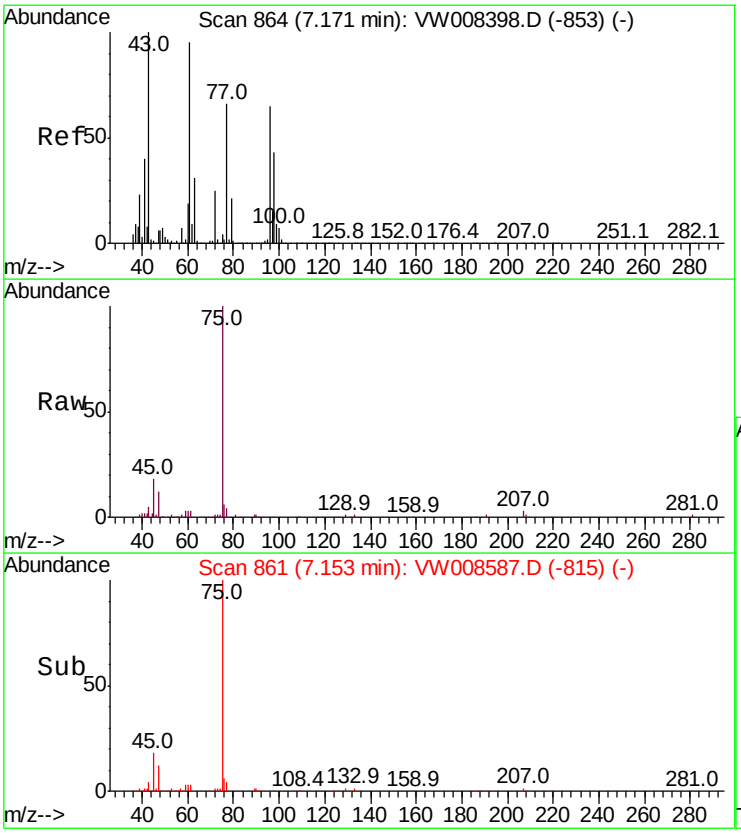

#20
Methylene Chloride
Concen: 4.356 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :** MSVOA_W
**ClientSampleId :** SB-09(0-2)

Tgt Ion: 84 Resp: 20050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.9 | 106.8 | 160.2 |
| 51 | 35.2 | 32.9 | 49.3 |
| 86 | 50.4 | 52.2 | 78.2# |

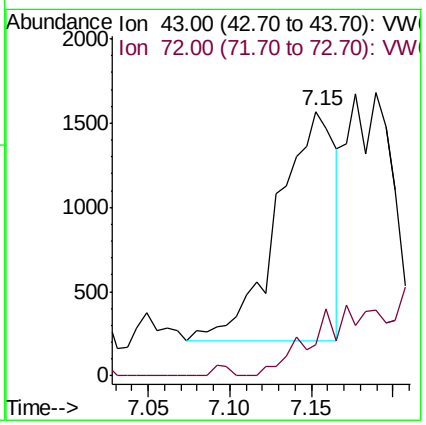


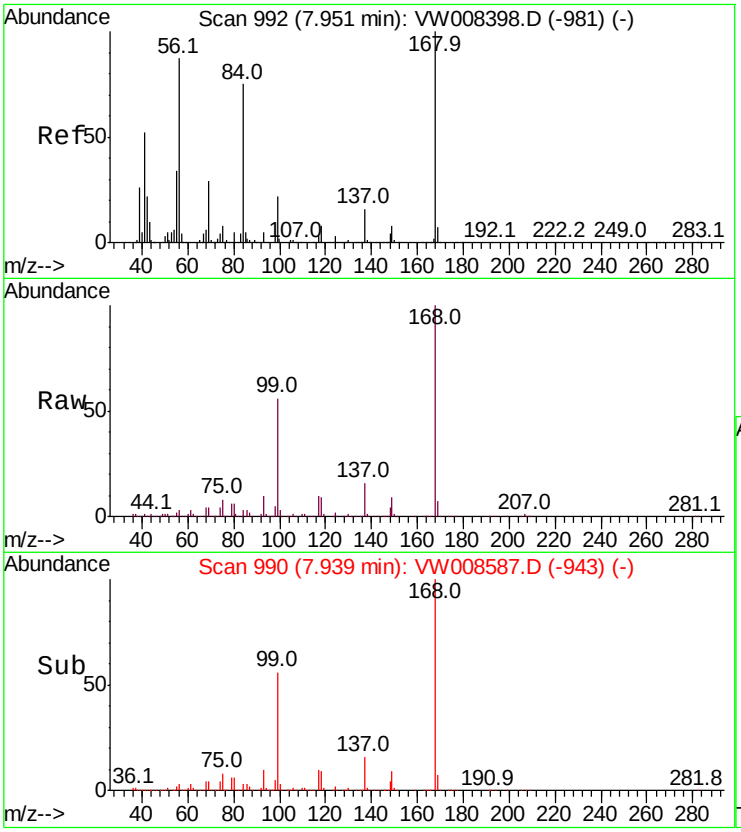




#25
2-Butanone
Concen: 2.393 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion: 43 Resp: 3319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 13.8 | 20.1 | 30.1# |



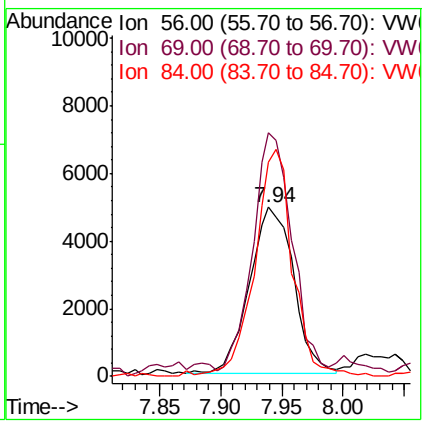


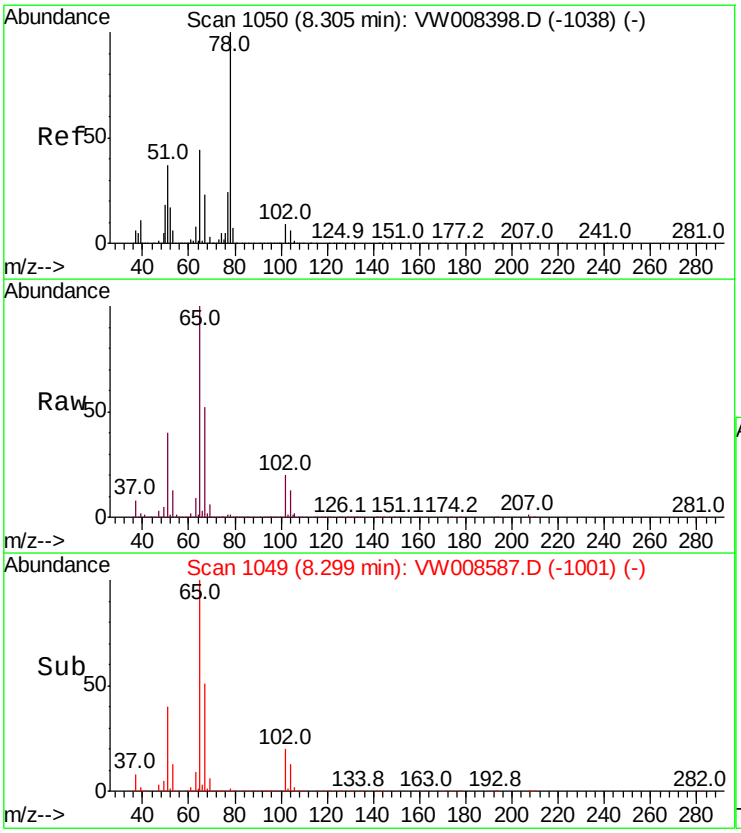

#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :** MSVOA_W
**ClientSampleId :** SB-09(0-2)

Tgt Ion: 56 Resp: 12234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 142.7 | 26.4 | 39.6# |
| 84 | 125.6 | 69.1 | 103.7# |

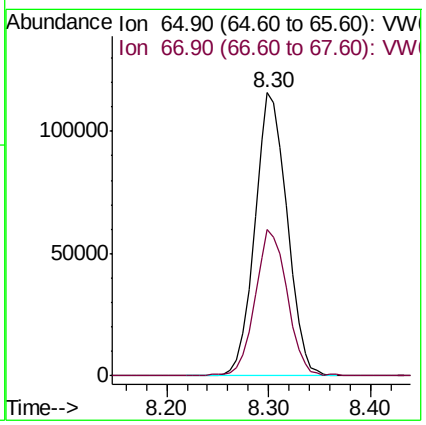


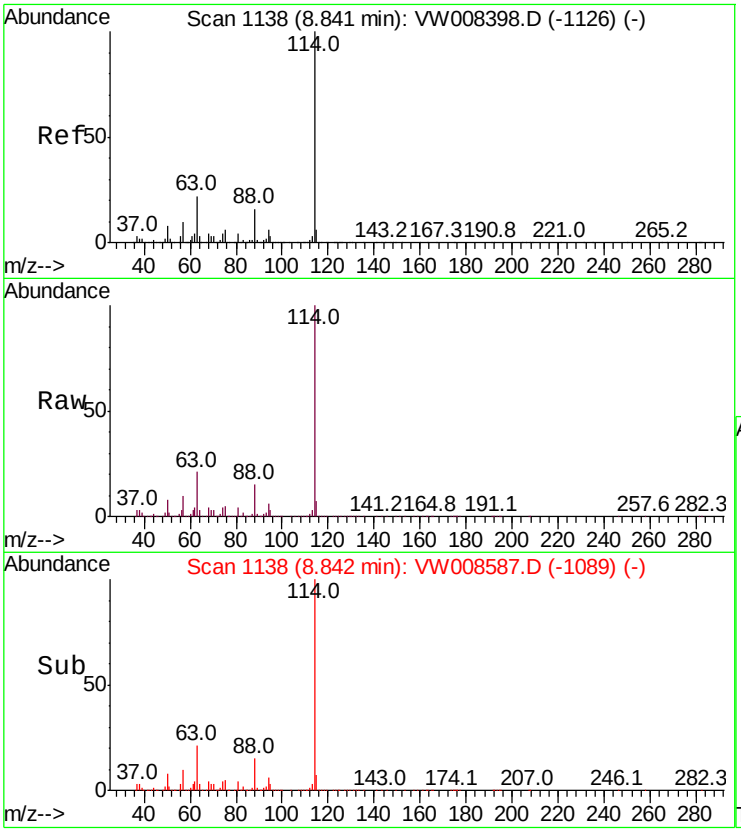




#33
1,2-Dichloroethane-d4
Concen: 57.116 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion: 65 Resp: 254023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 104.0 |



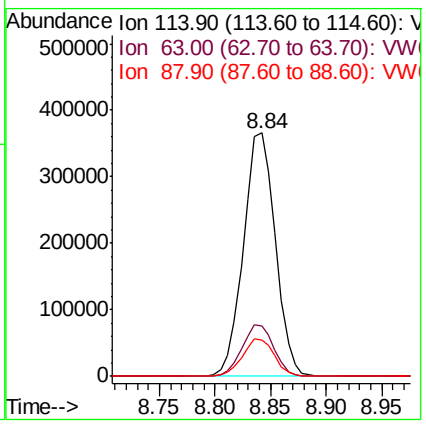


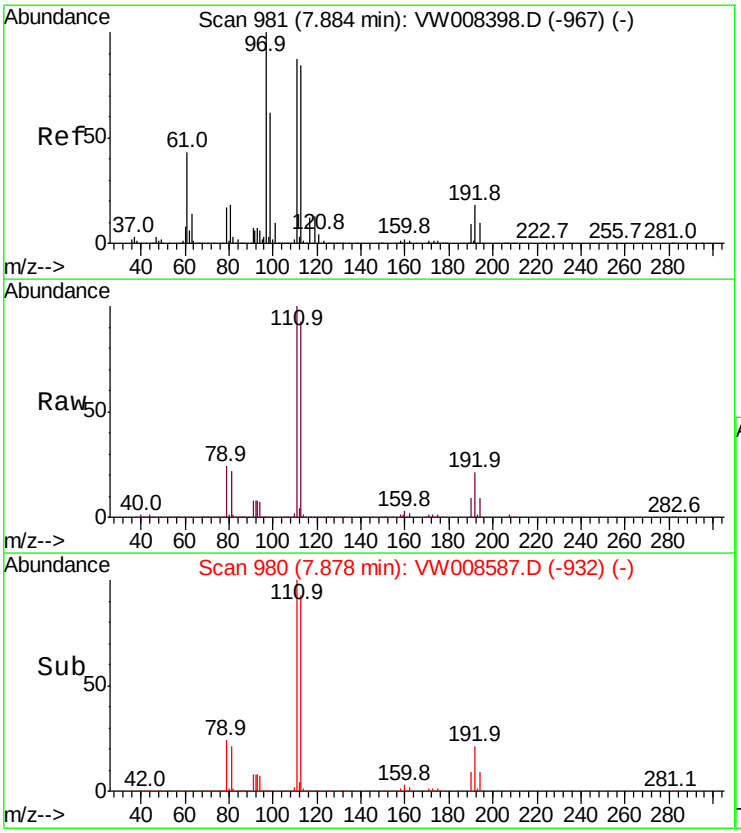

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :**
MSVOA_W
**ClientSampleId :**
SB-09(0-2)

Tgt Ion:114 Resp: 731157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 43.6 |
| 88 | 14.9 | 0.0 | 31.8 |

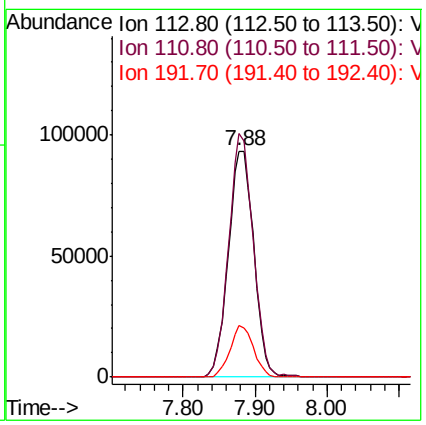


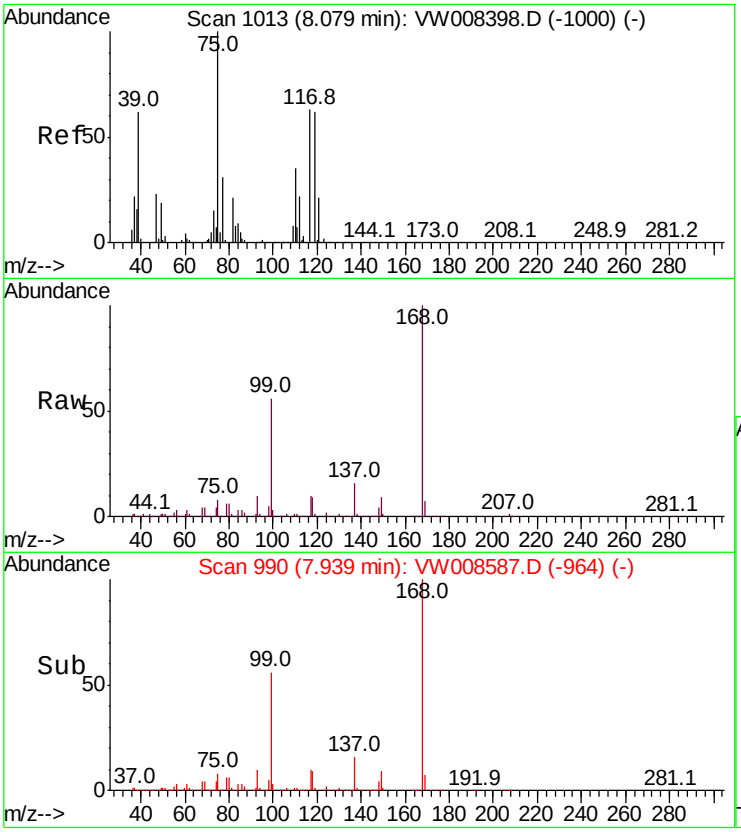




#35
Dibromofluoromethane
Concen: 53.891 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion:113 Resp: 230401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 81.0 | 121.4 |
| 192 | 21.0 | 16.8 | 25.2 |



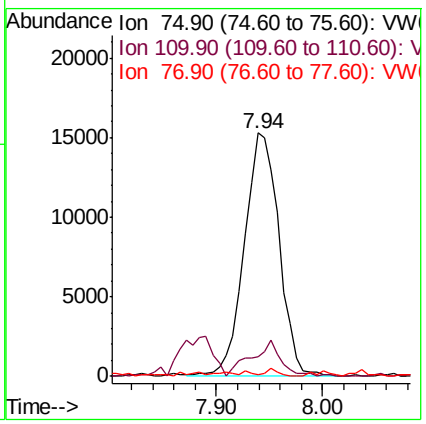


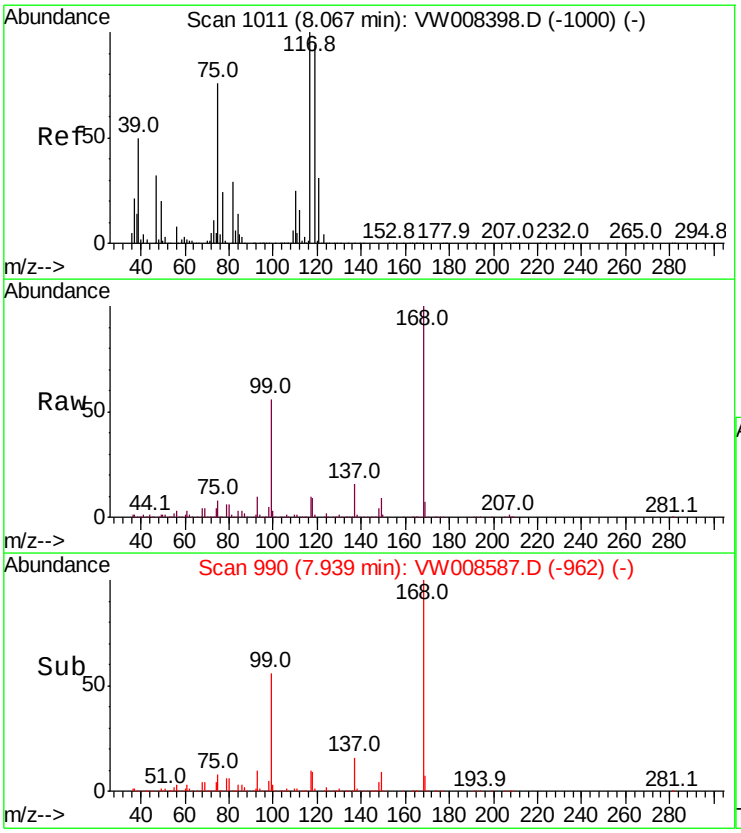

#36
1,1-Dichloropropene
Concen: 5.091 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.14 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :** MSVOA_W
**ClientSampleId :** SB-09(0-2)

Tgt Ion: 75 Resp: 35160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 12.6 | 17.3 | 52.0# |
| 77 | 0.9 | 24.7 | 37.1# |

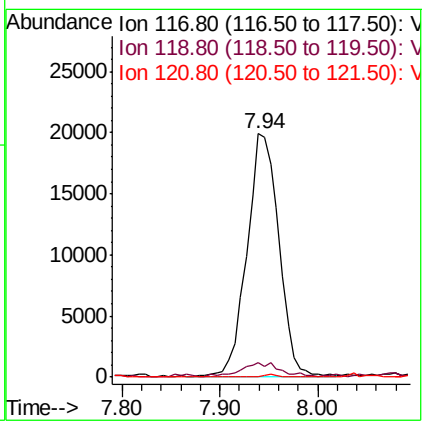


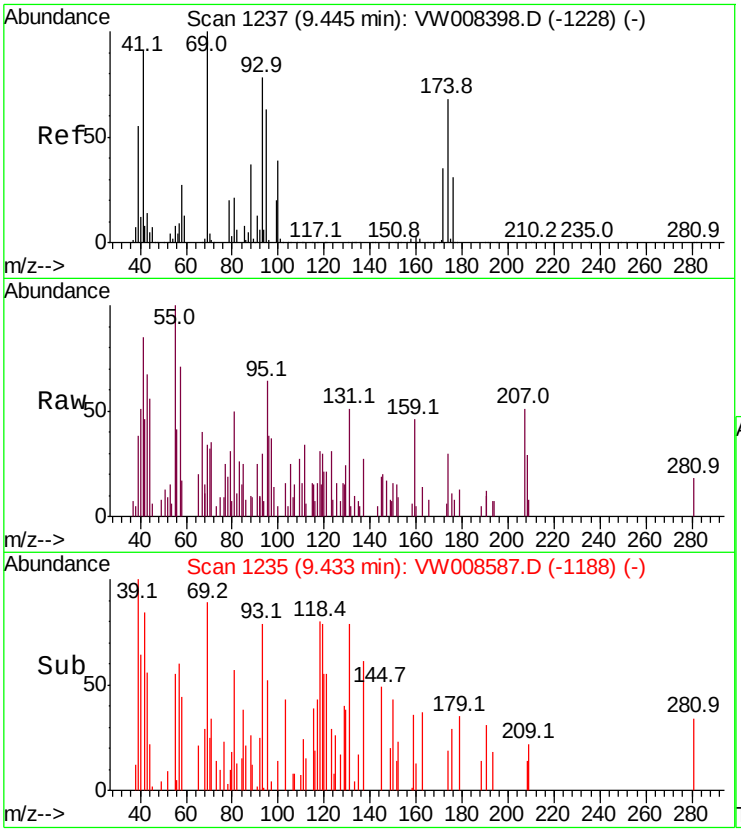




#38
Carbon Tetrachloride
Concen: 6.408 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion:117 Resp: 44539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.2 | 75.0 | 112.4# |
| 121 | 0.0 | 24.9 | 37.3# |



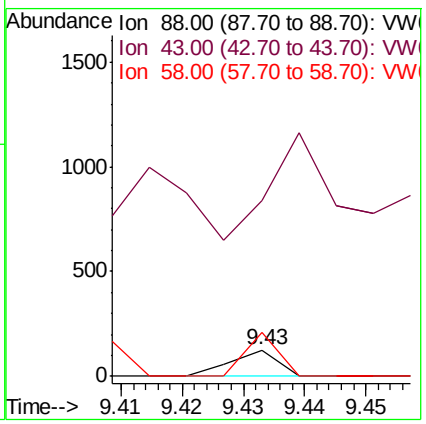


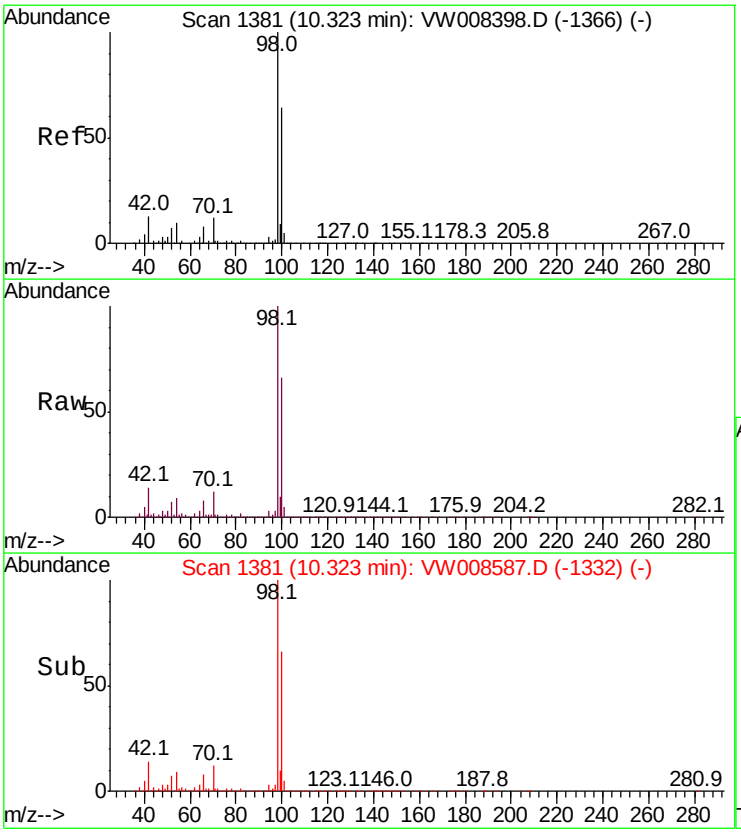

#49
1,4-Dioxane
Concen: 1.565 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :**
MSVOA_W
**ClientSampleId :**
SB-09(0-2)

Tgt Ion: 88 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 715.4 | 29.0 | 43.4# |
| 58 | 118.5 | 56.4 | 84.6# |

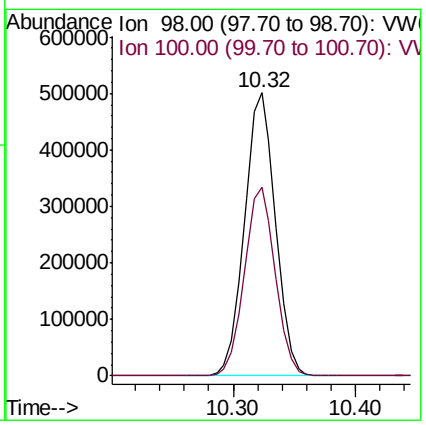


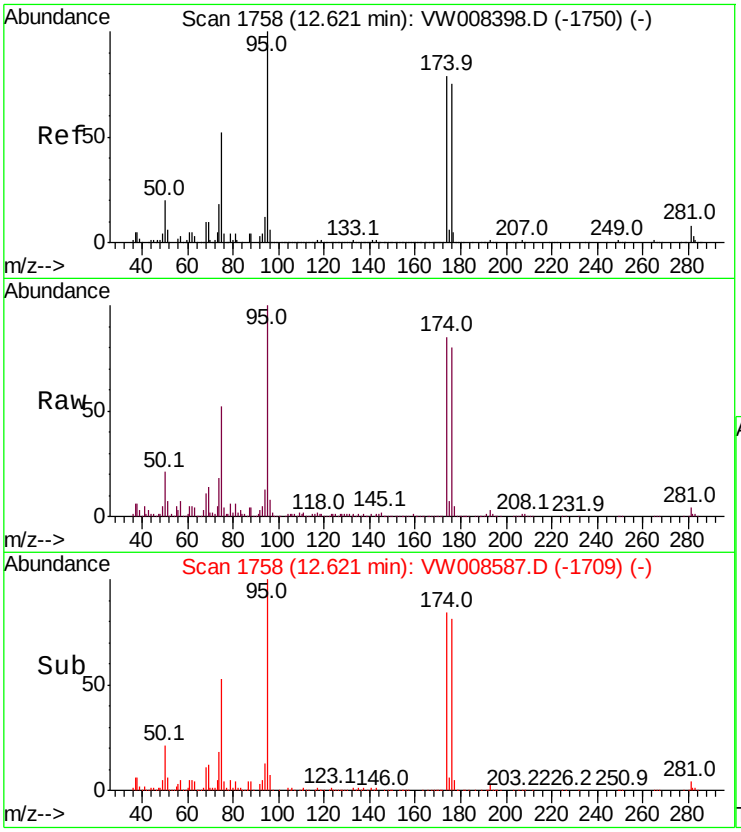




#50
Toluene-d8
Concen: 51.252 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion: 98 Resp: 878677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 52.6 | 78.8 |



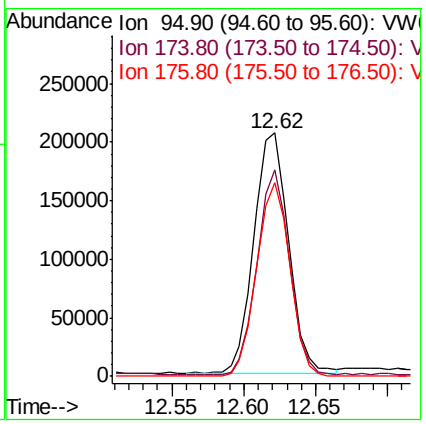


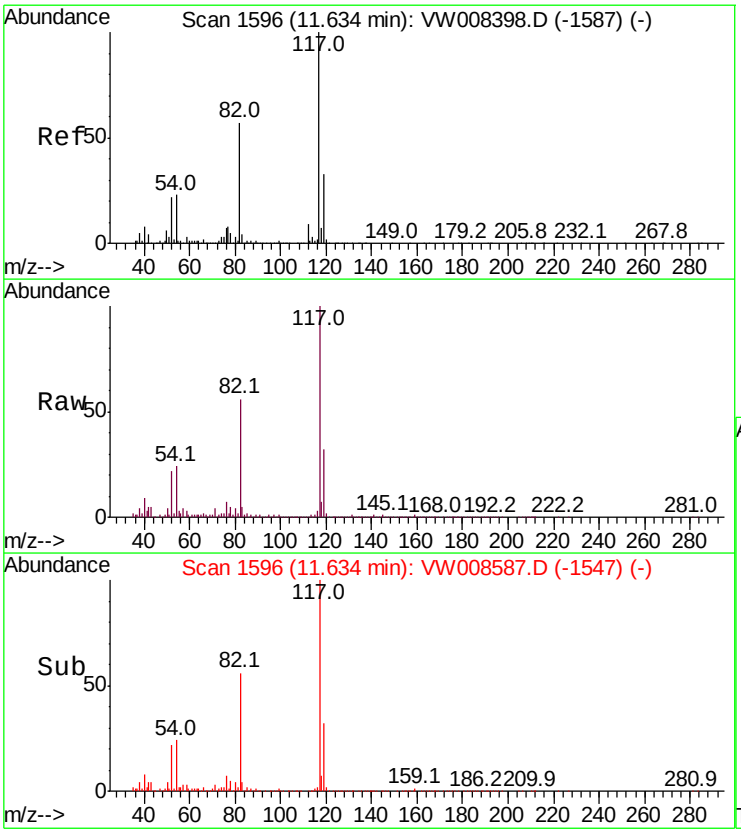

#62
4-Bromofluorobenzene
Concen: 51.800 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :**
MSVOA_W
**ClientSampleId :**
SB-09(0-2)

Tgt Ion: 95 Resp: 341362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.6 | 0.0 | 157.6 |
| 176 | 77.5 | 0.0 | 151.8 |

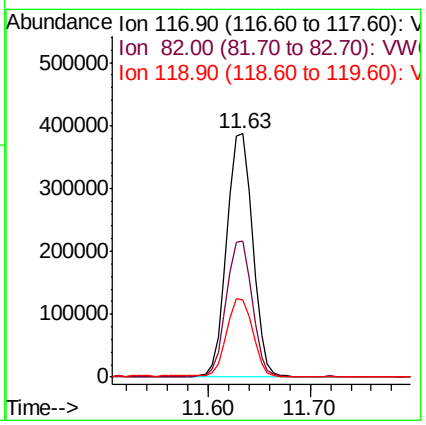


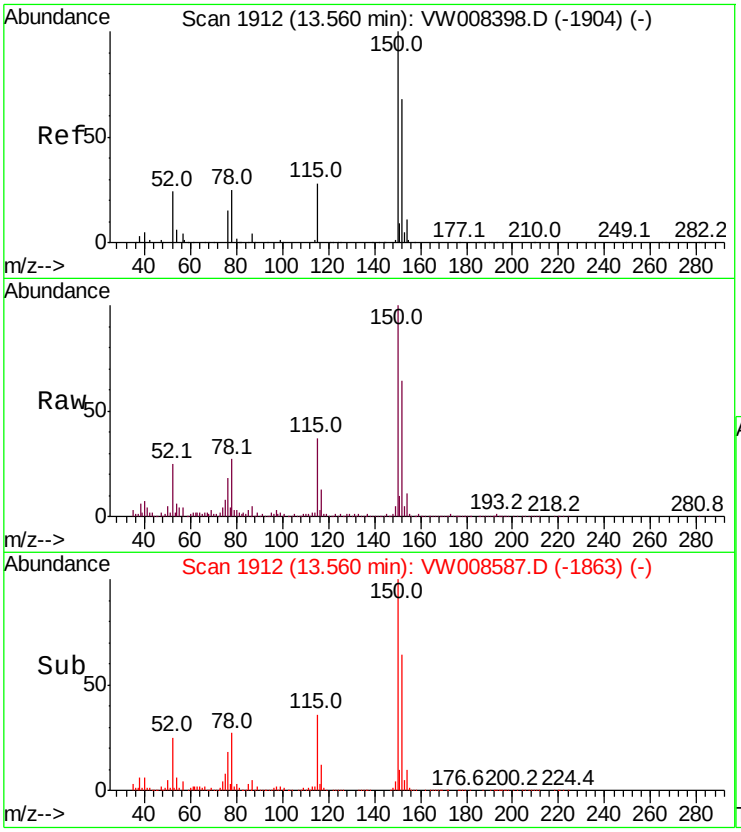




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion:117 Resp: 677273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 45.4 | 68.0 |
| 119 | 31.8 | 26.2 | 39.4 |



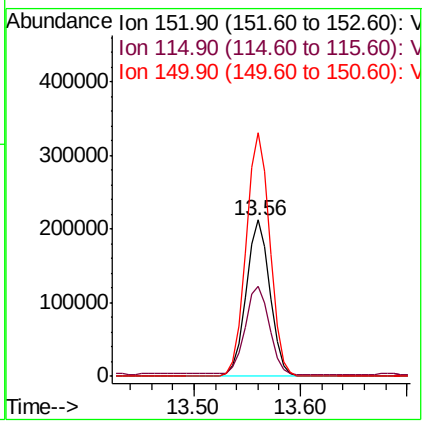


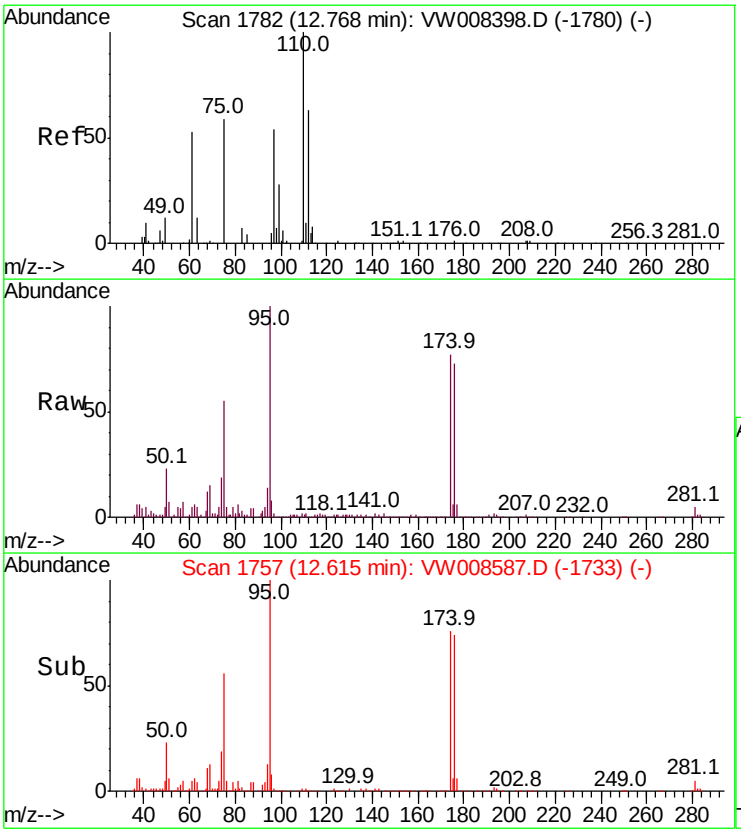

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :** MSVOA_W
**ClientSampleId :** SB-09(0-2)

Tgt Ion:152 Resp: 330813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.9 | 29.9 | 89.7 |
| 150 | 156.3 | 0.0 | 351.4 |

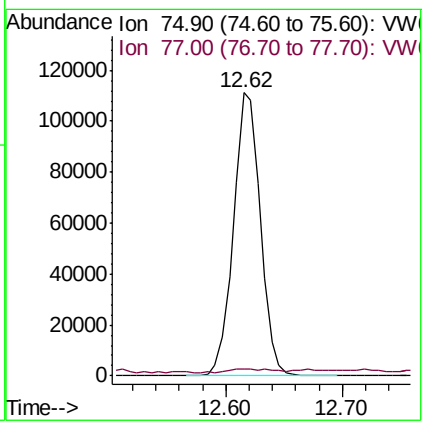


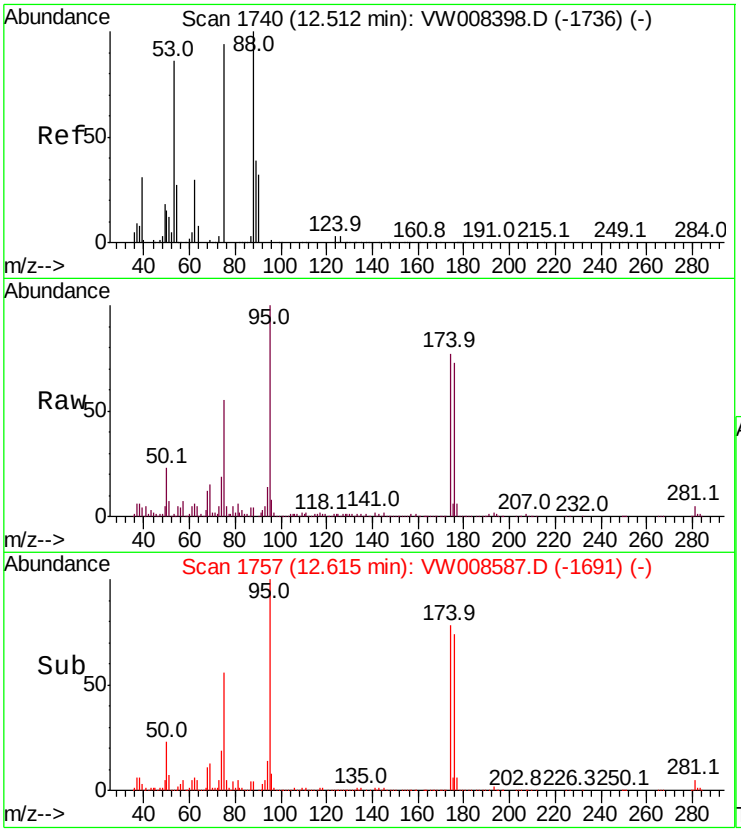




#76
1,2,3-Trichloropropane
Concen: 62.214 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion: 75 Resp: 178938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 2.8 | 180.7 | 542.1# |



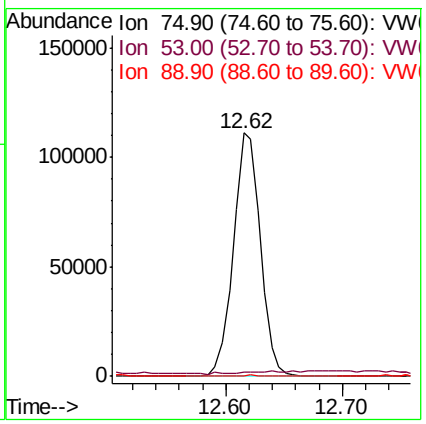


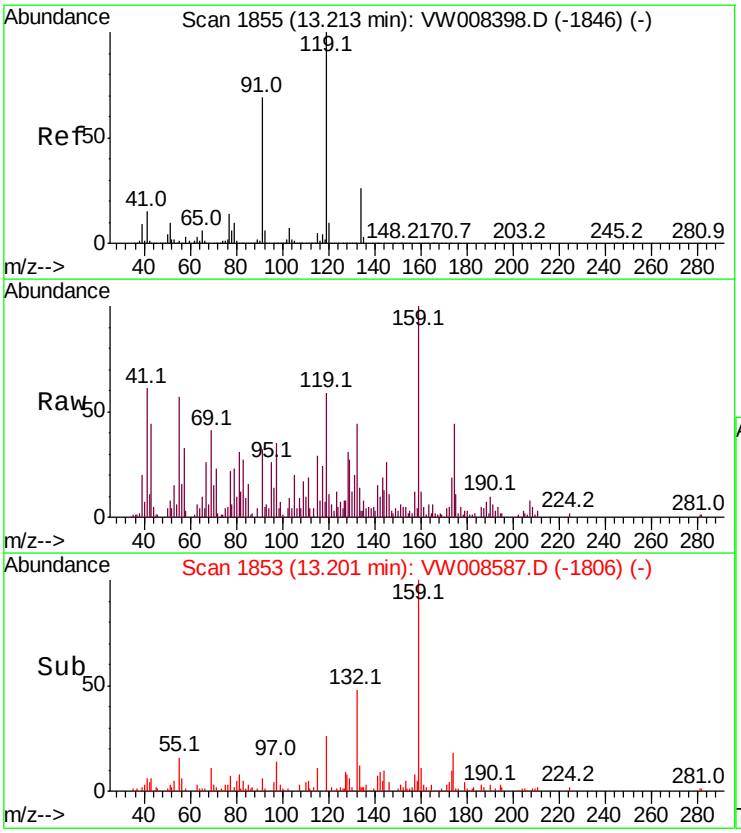

#81
trans-1,4-Dichloro-2-butene
Concen: 122.877 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

**Instrument :**
MSVOA_W
**ClientSampleId :**
SB-09(0-2)

Tgt Ion: 75 Resp: 178938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 76.0 | 114.0# |
| 89 | 0.1 | 35.4 | 53.0# |




#83
tert-Butylbenzene
Concen: 1.687 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW008587.D
Acq: 08 Feb 2019 21:54

Tgt Ion:119 Resp: 30950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 19.3 | 33.8 | 101.4# |
| 134 | 0.0 | 13.5 | 40.4# |