Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007291.D
Acq On : 06 Dec 2018 20:51
Operator : SY/AP
Sample : J6214-03RE
Misc : 3.79G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :**

Quant Time: Dec 07 01:17:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 85197 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.85 | 114 | 129547 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 108927 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 43158 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 32578 | 41.07 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 82.14% | | | | |
| 35) Dibromofluoromethane | 7.89 | 113 | 30329 | 40.89 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 81.78% | | | | |
| 50) Toluene-d8 | 10.33 | 98 | 115928 | 35.48 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 70.96% | | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 37723 | 30.59 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 61.18% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 11) Tert butyl alcohol | 5.15 | 59 | 51 | Below Cal | | # | 75 |
| 16) Acetone | 4.14 | 43 | 1032 | 5.496 | ug/l | | 92 |
| 20) Methylene Chloride | 4.93 | 84 | 4071 | Below Cal | | | 94 |
| 29) Tetrahydrofuran | 7.54 | 42 | 232 | 1.725 | ug/l | # | 31 |
| 31) Cyclohexane | 7.95 | 56 | 1705 | 1.083 | ug/l | # | 8 |
| 36) 1,1-Dichloropropene | 7.95 | 75 | 6574 | 5.215 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 7.95 | 117 | 9062 | 7.044 | ug/l | # | 17 |
| 59) 2-Hexanone | 10.94 | 43 | 615 | 1.944 | ug/l | # | 23 |
| 74) N-amyl acetate | 12.26 | 43 | 3824 | 6.144 | ug/l | # | 76 |
| 76) 1,2,3-Trichloropropane | 12.62 | 75 | 18612 | 55.695 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75 | 18612 | 120.043 | ug/l | # | 13 |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105 | 19488 | 6.358 | ug/l | | 97 |
| 85) sec-Butylbenzene | 13.39 | 105 | 3998 | 1.067 | ug/l | # | 74 |
| 86) p-Isopropyltoluene | 13.51 | 119 | 3491 | 1.047 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.83 | 91 | 6112 | 1.961 | ug/l | # | 76 |
| 90) Hexachloroethane | 14.10 | 117 | 2073 | 4.079 | ug/l | # | 14 |
| 95) Naphthalene | 15.38 | 128 | 5927 | 3.544 | ug/l | | 99 |

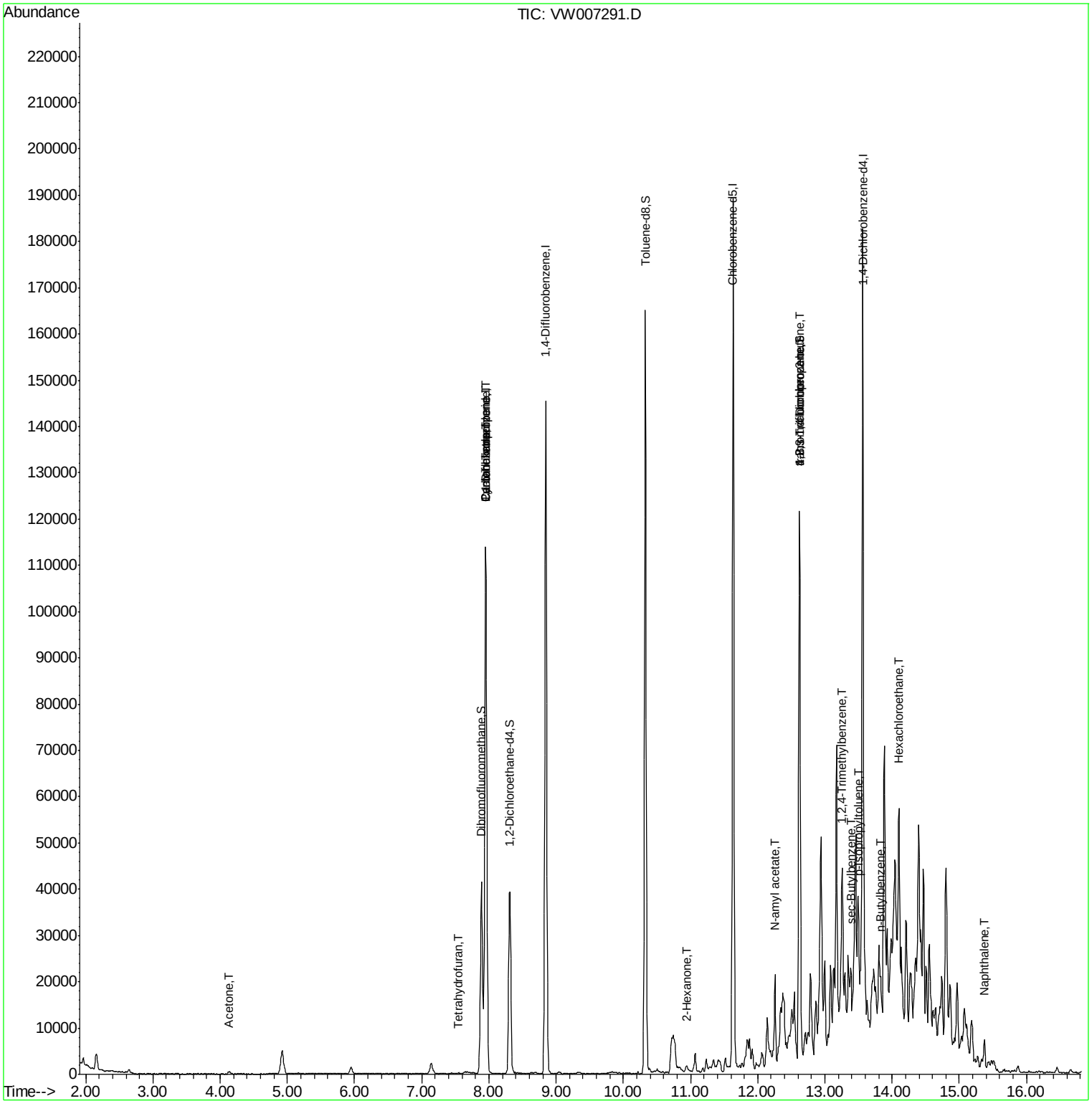
(#) = qualifier out of range (m) = manual integration (+) = signals summed

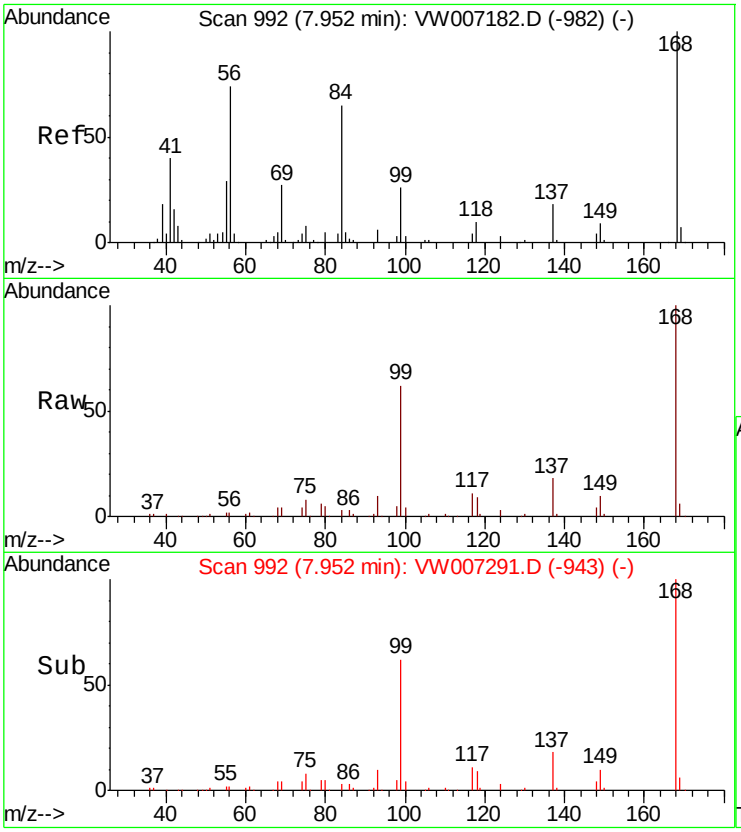
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007291.D
Acq On : 06 Dec 2018 20:51
Operator : SY/AP
Sample : J6214-03RE
Misc : 3.79G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**

Quant Time: Dec 07 01:17:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration



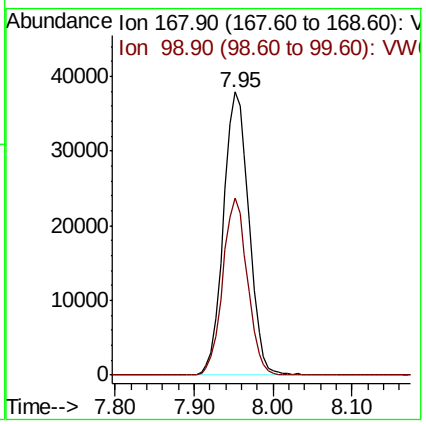


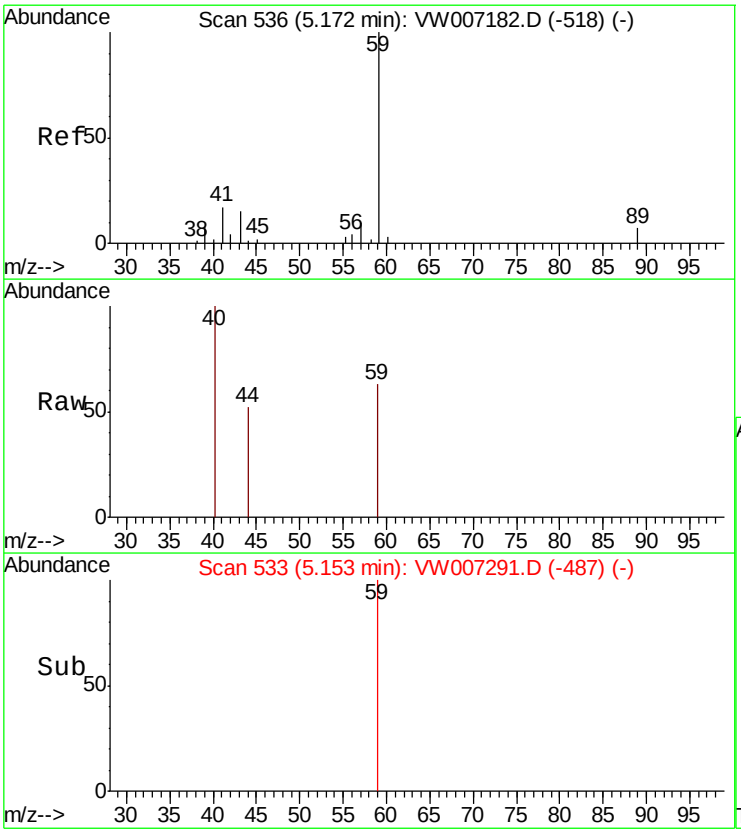

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion:168 Resp: 85197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.4 | 47.8 | 71.8 |

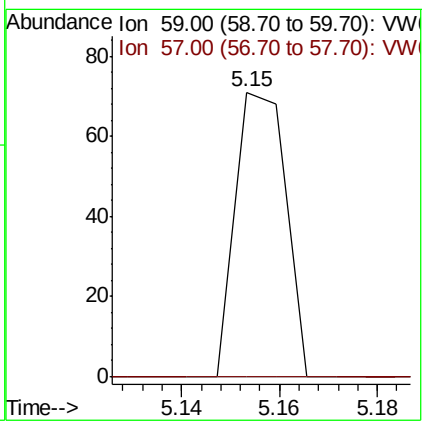


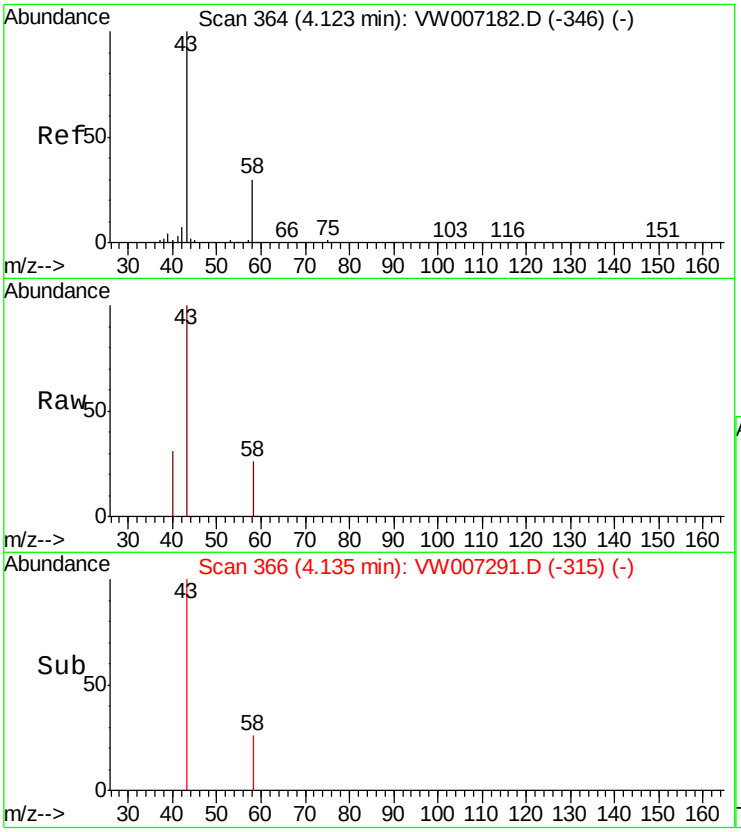




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion: 59 Resp: 51

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.1 | 10.7# |



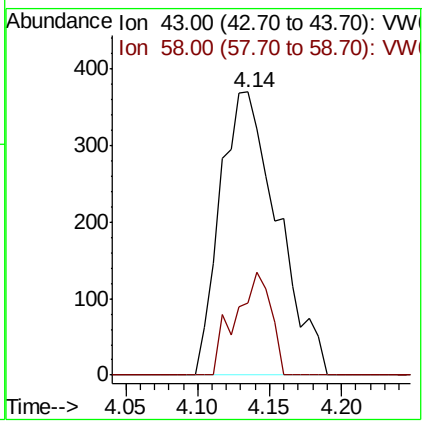


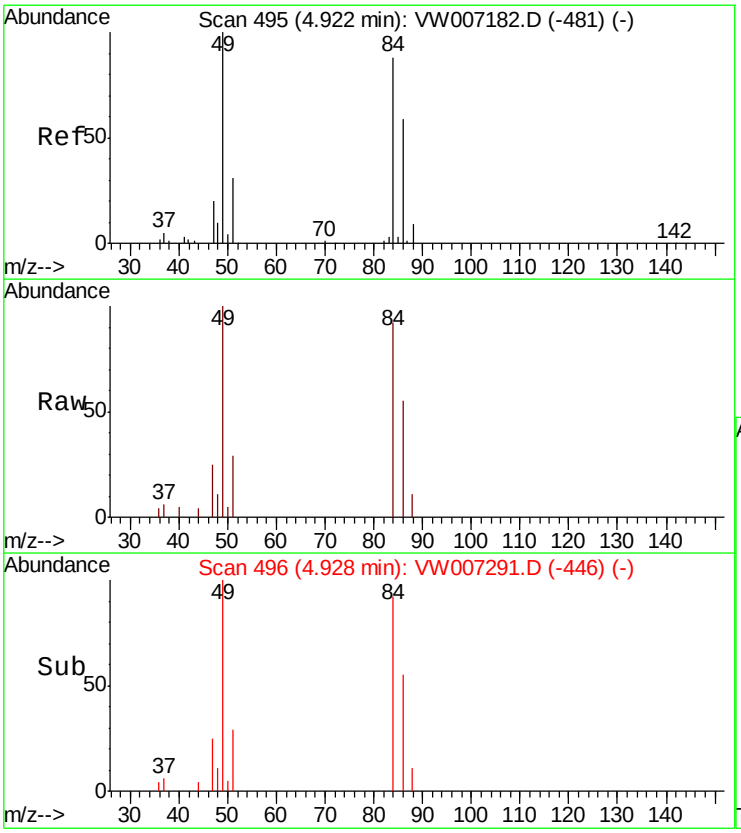

#16
Acetone
Concen: 5.496 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 43 Resp: 1032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.7 | 23.8 | 35.8 |

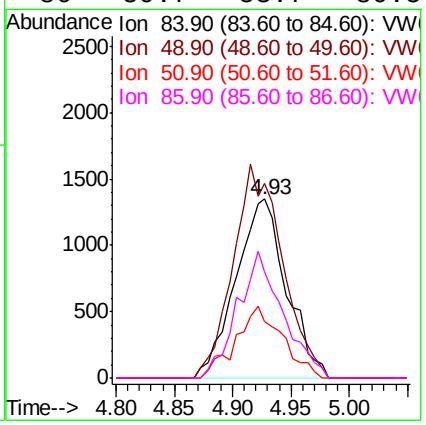


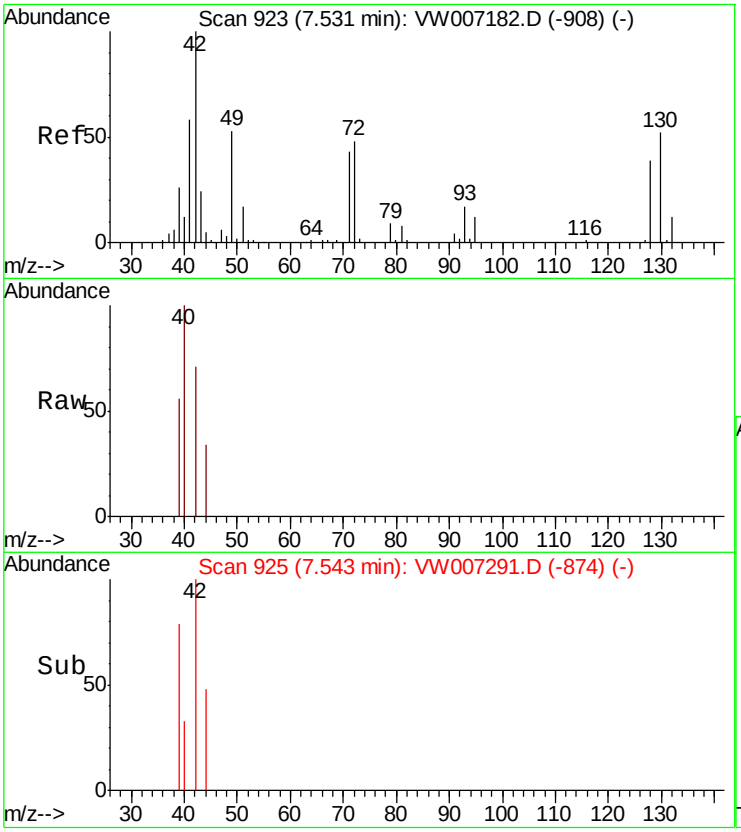




#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion: 84 Resp: 4071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 109.0 | 90.6 | 135.8 |
| 51 | 31.6 | 27.6 | 41.4 |
| 86 | 59.7 | 53.7 | 80.5 |



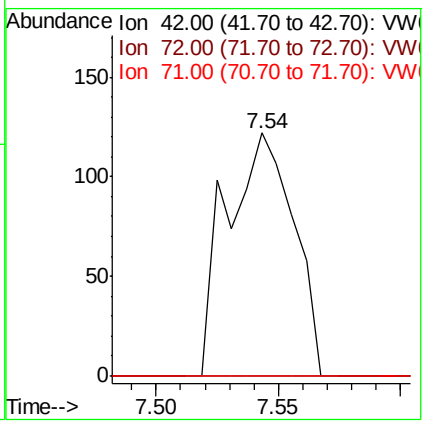


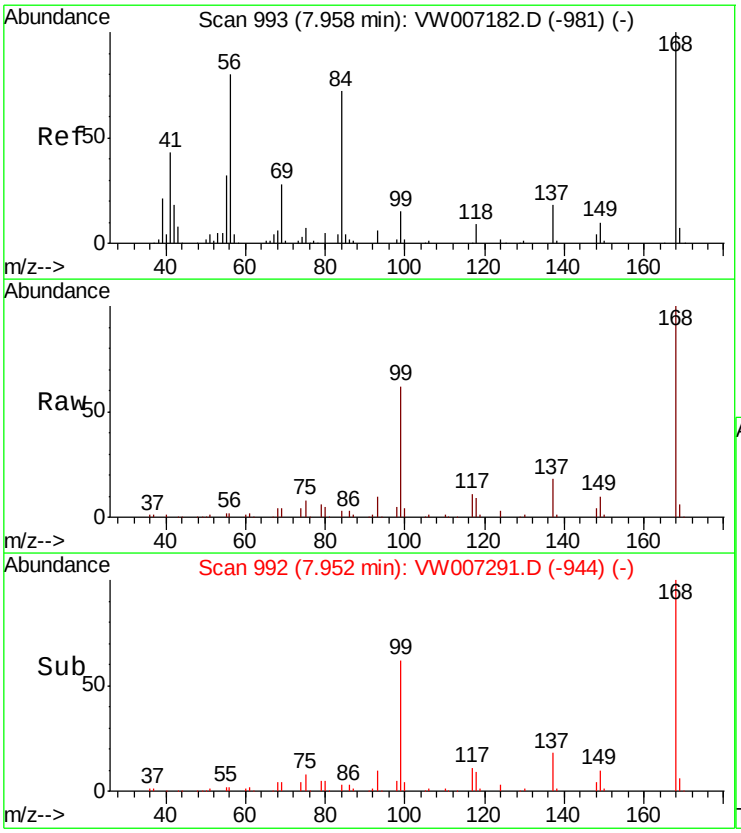

#29
Tetrahydrofuran
Concen: 1.725 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion: 42 Resp: 232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 36.6 | 55.0# |
| 71 | 0.0 | 34.8 | 52.2# |

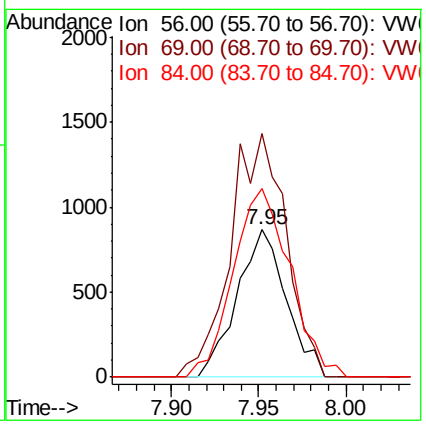


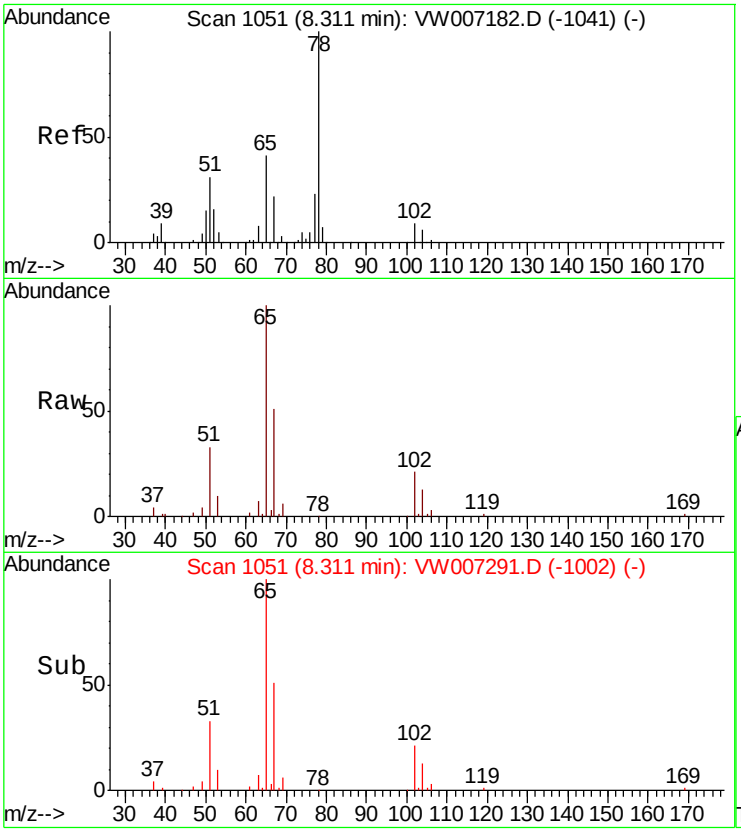




#31
Cyclohexane
Concen: 1.083 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion: 56 Resp: 1705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 165.5 | 28.2 | 42.2# |
| 84 | 128.2 | 72.1 | 108.1# |



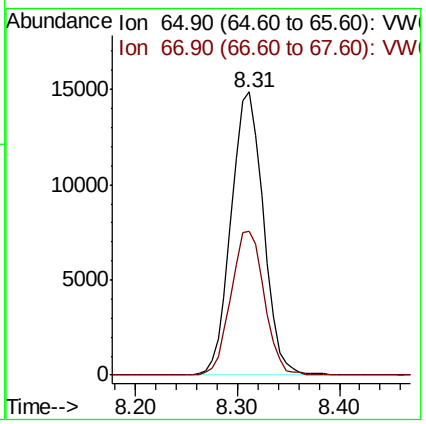


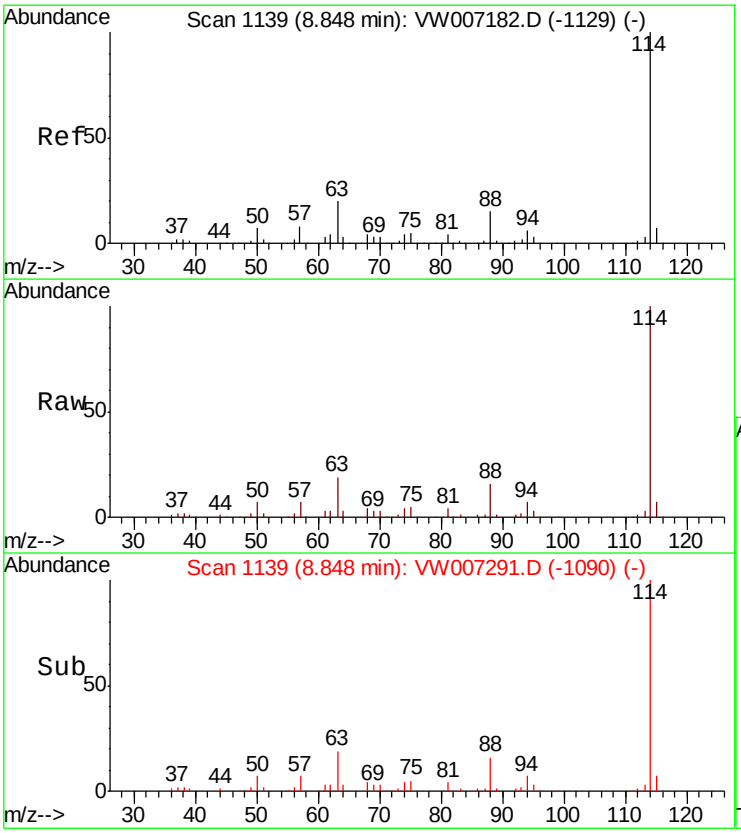

#33
1,2-Dichloroethane-d4
Concen: 41.071 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 65 Resp: 32578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 106.4 |

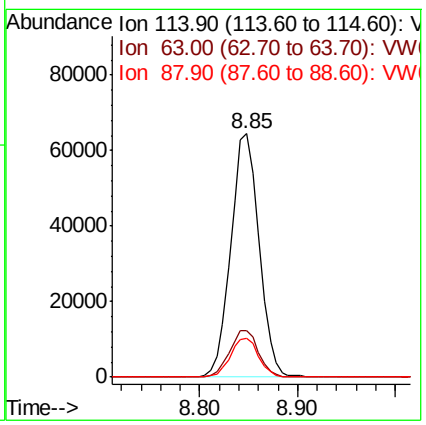


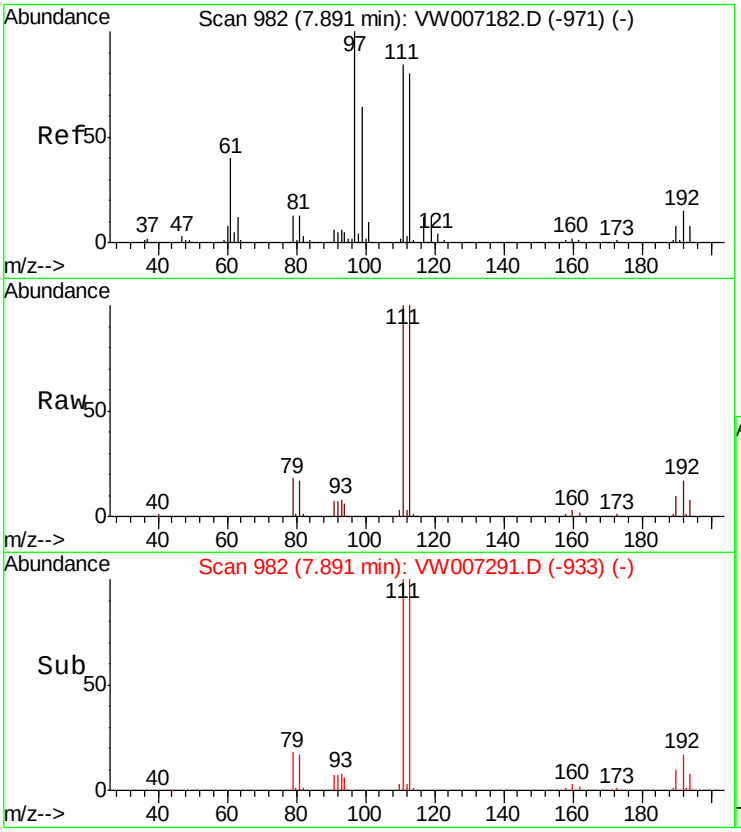




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion:114 Resp: 129547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 40.2 |
| 88 | 15.9 | 0.0 | 30.0 |



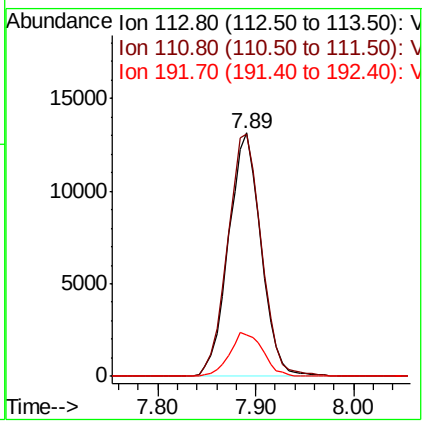


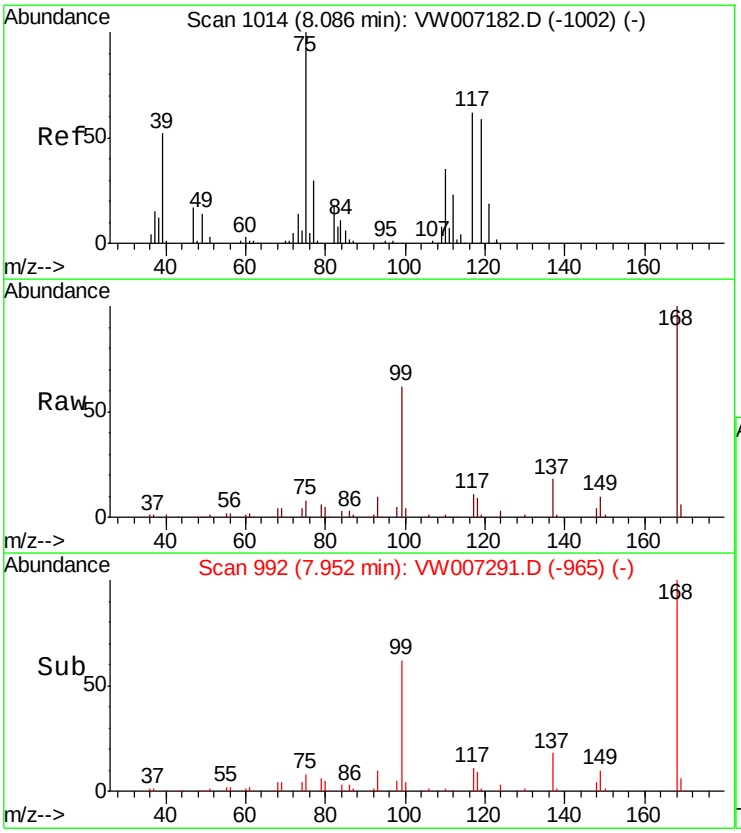

#35
Dibromofluoromethane
Concen: 40.887 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion:113 Resp: 30329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 82.2 | 123.4 |
| 192 | 18.2 | 14.4 | 21.6 |

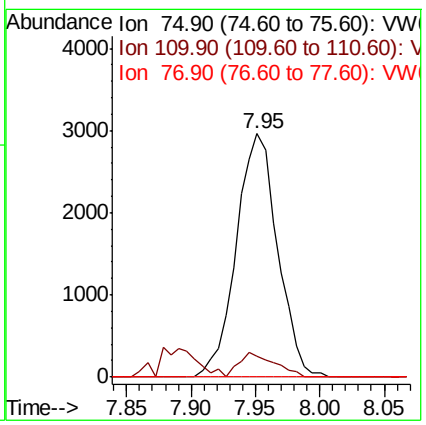


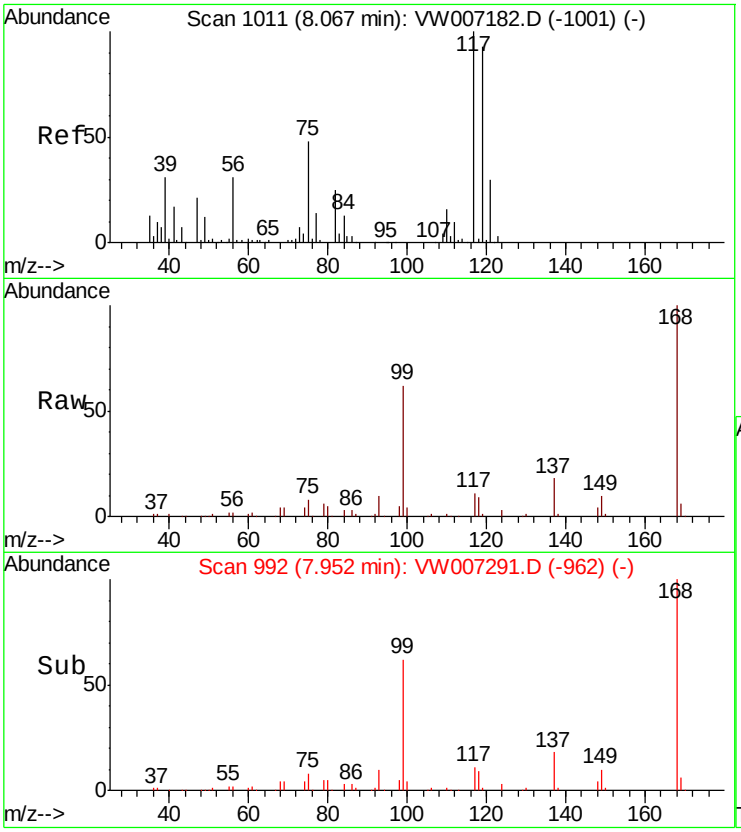




#36
1,1-Dichloropropene
Concen: 5.215 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.13 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion: 75 Resp: 6574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.7 | 18.3 | 54.9# |
| 77 | 0.0 | 24.9 | 37.3# |



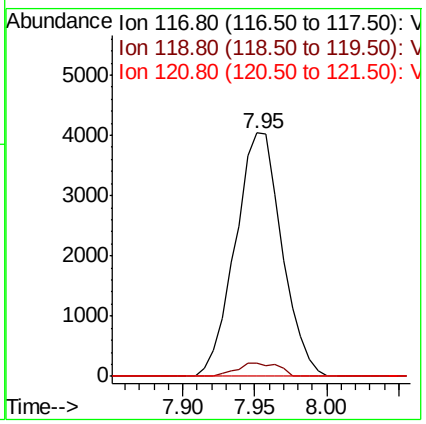


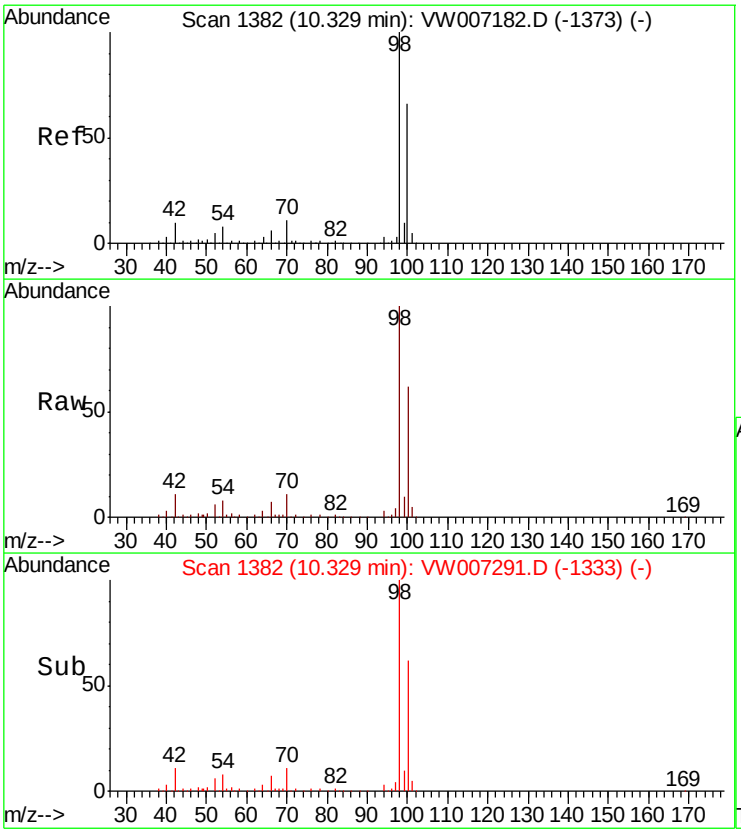

#38
Carbon Tetrachloride
Concen: 7.044 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion:117 Resp: 9062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.2 | 74.1 | 111.1# |
| 121 | 0.0 | 23.9 | 35.9# |

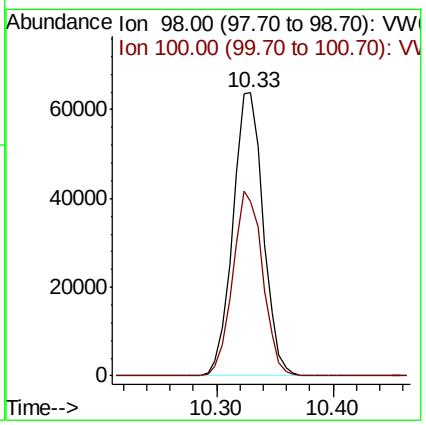


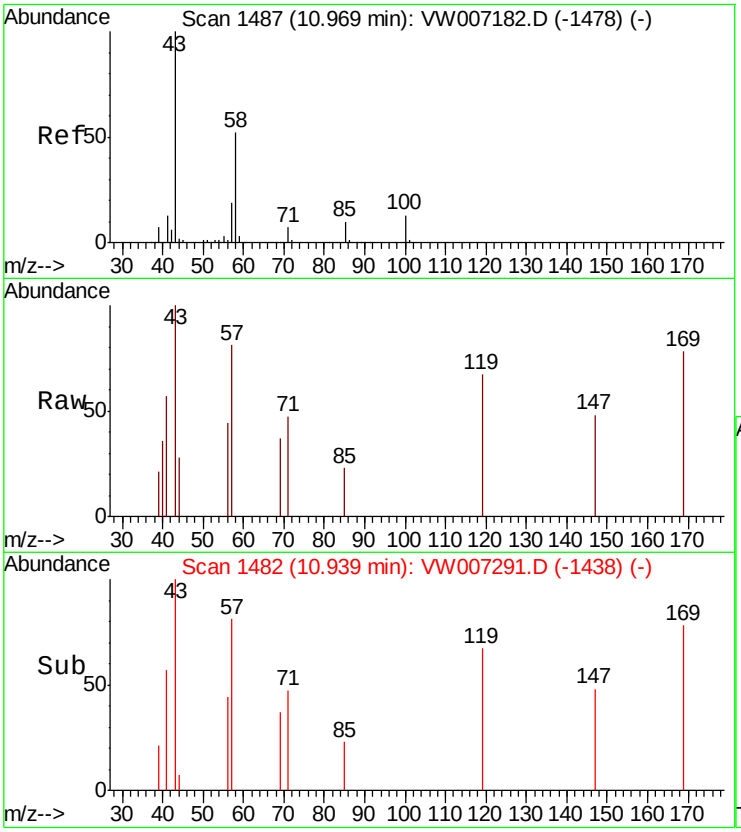




#50
Toluene-d8
Concen: 35.479 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion: 98 Resp: 115928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.7 | 79.1 |



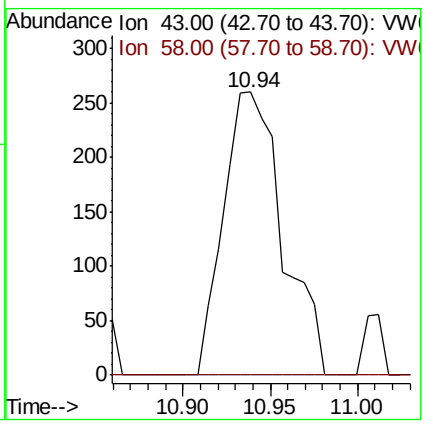


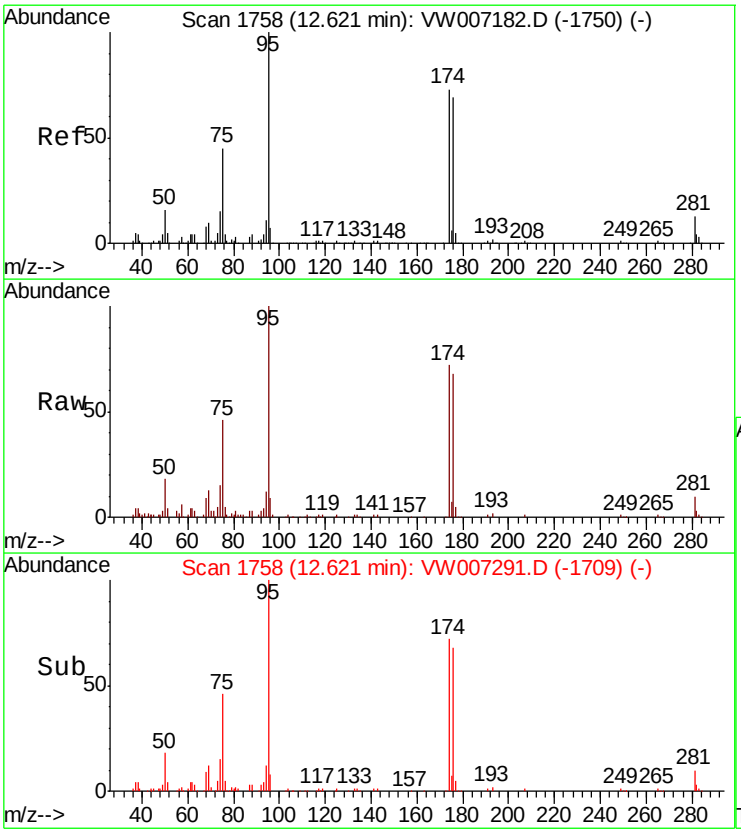

#59
2-Hexanone
Concen: 1.944 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion: 43 Resp: 615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 28.1 | 84.4# |

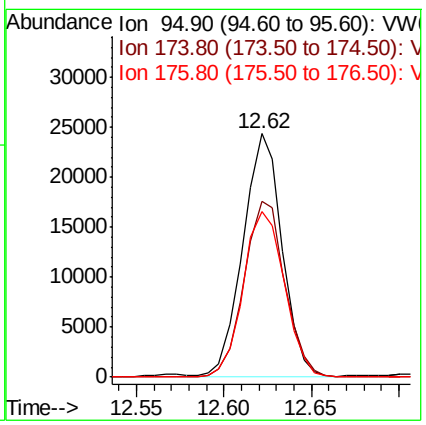


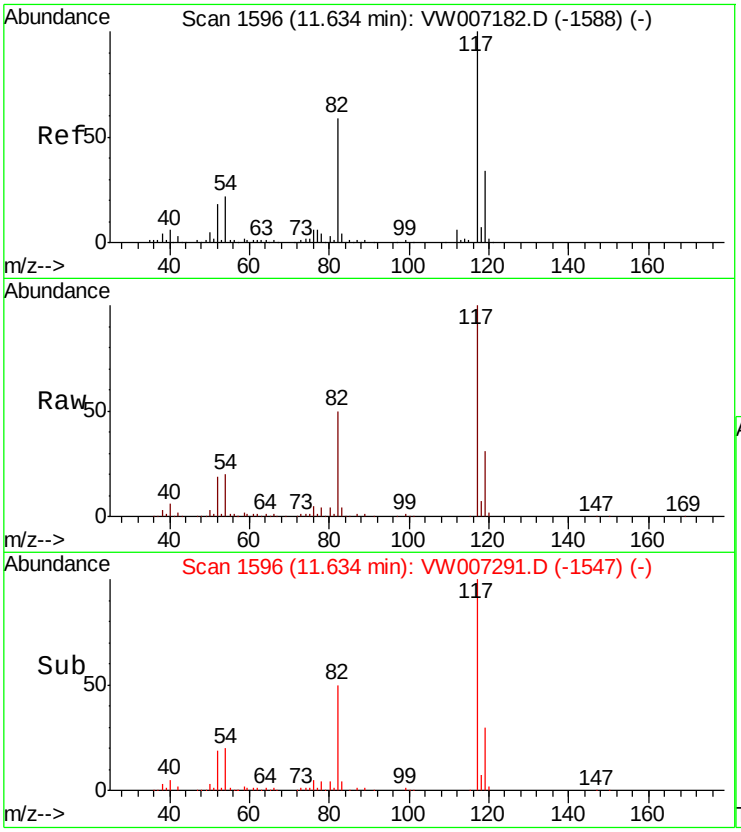




#62
4-Bromofluorobenzene
Concen: 30.587 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion: 95 Resp: 37723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.4 | 0.0 | 148.0 |
| 176 | 71.8 | 0.0 | 139.4 |



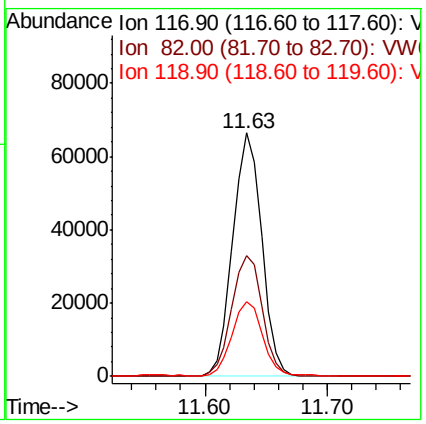


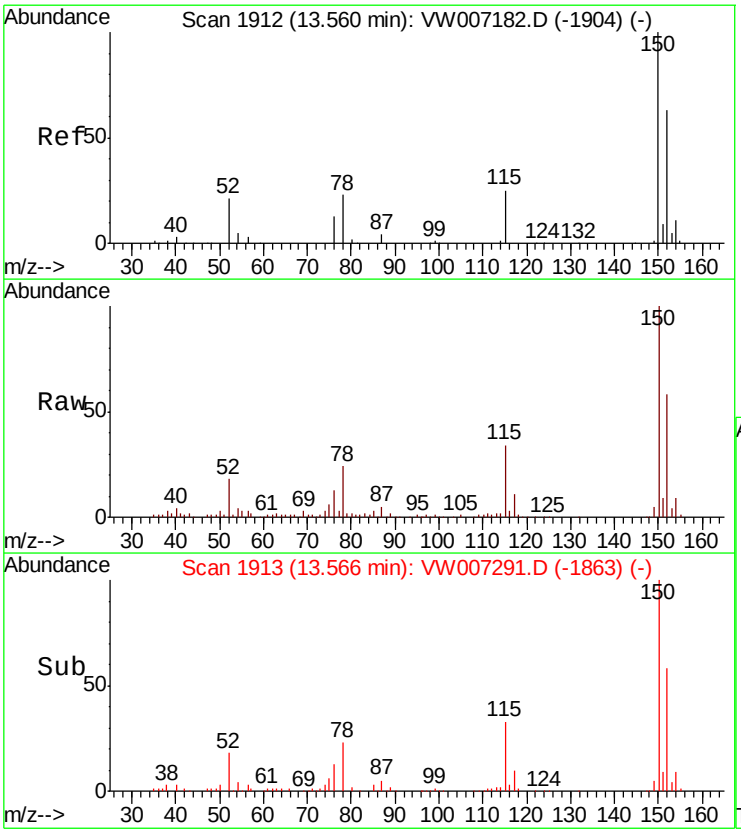

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion:117 Resp: 108927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.8 | 47.4 | 71.2 |
| 119 | 30.5 | 26.8 | 40.2 |

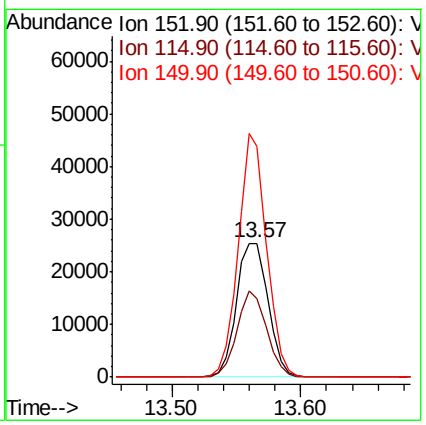


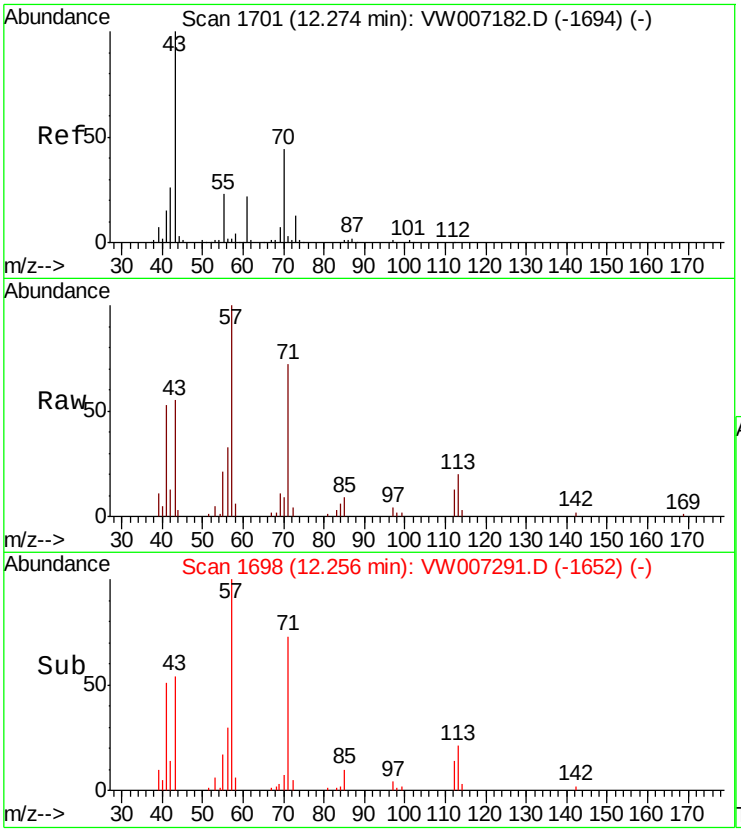




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion:152 Resp: 43158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.8 | 31.3 | 93.8 |
| 150 | 161.8 | 0.0 | 358.0 |



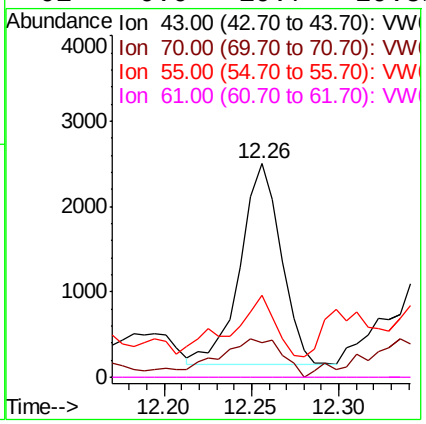


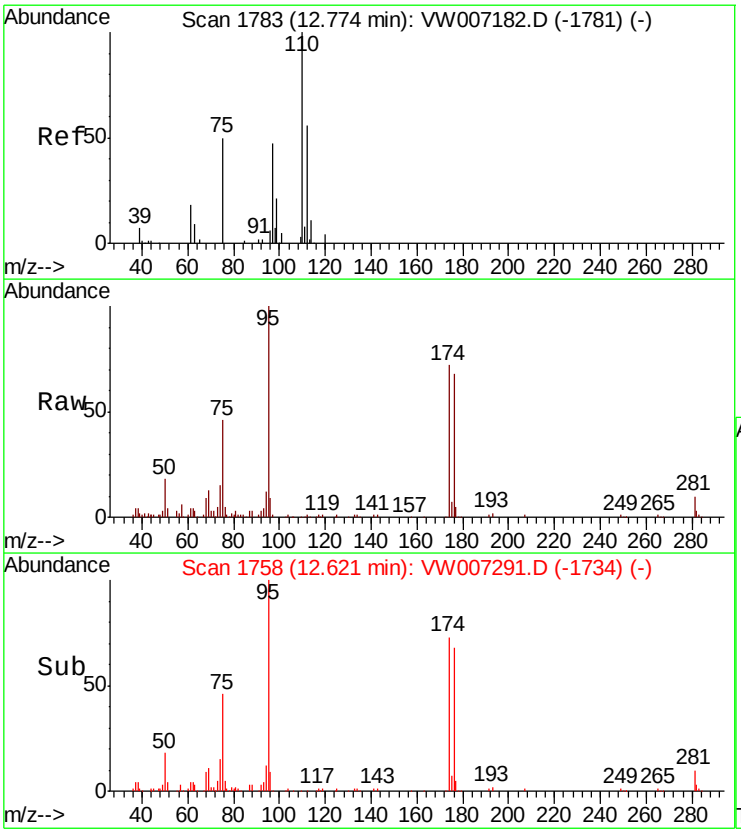

#74
N-amyl acetate
Concen: 6.144 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion: 43 Resp: 3824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 29.7 | 34.0 | 51.0# |
| 55 | 21.8 | 19.0 | 28.6 |
| 61 | 0.0 | 19.7 | 29.5# |

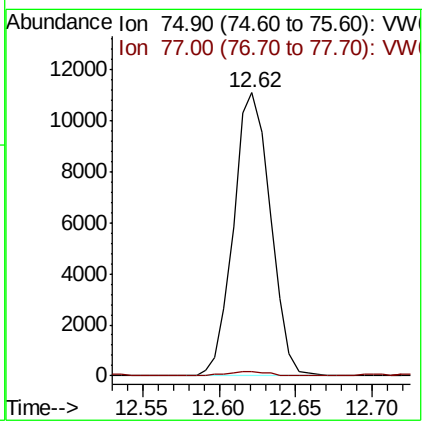


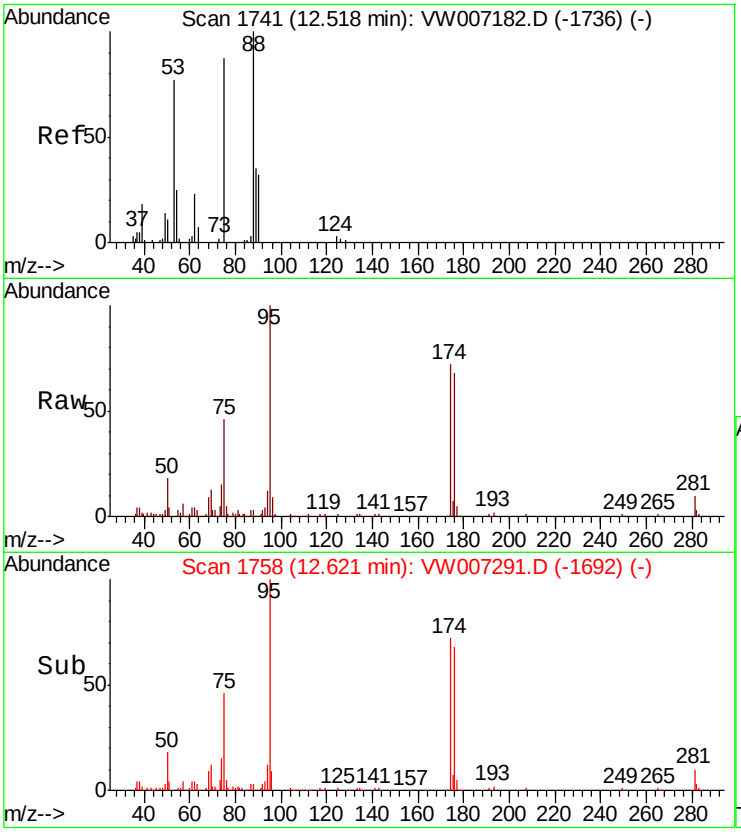




#76
1,2,3-Trichloropropane
Concen: 55.695 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion: 75 Resp: 18612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.6 | 0.0 | 0.0# |



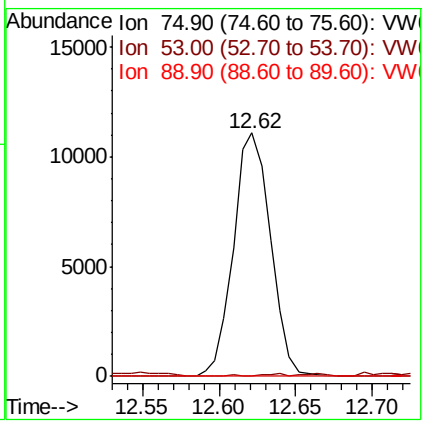


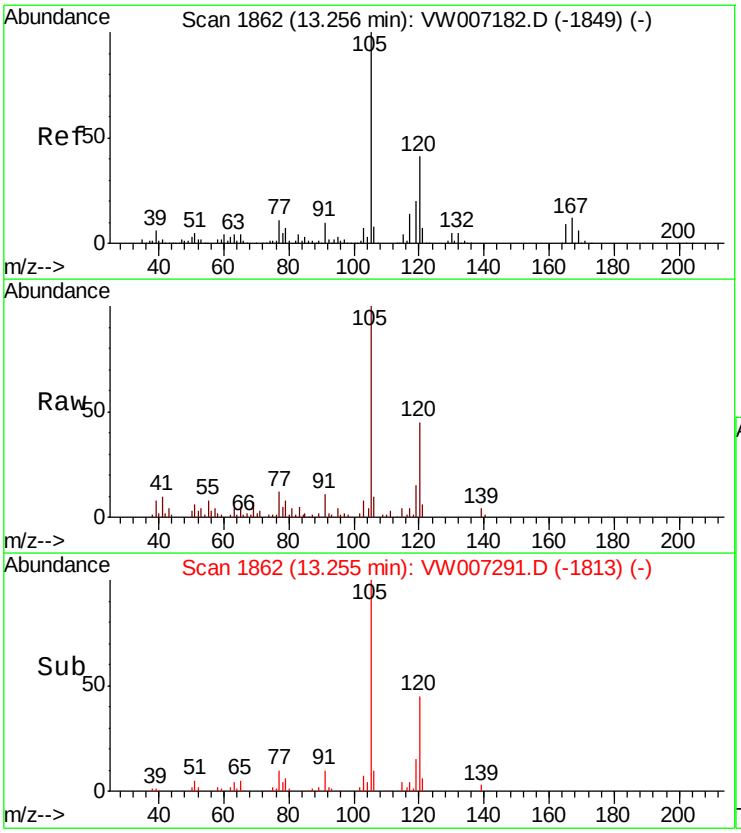

#81
trans-1,4-Dichloro-2-butene
Concen: 120.043 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 75 Resp: 18612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 72.8 | 109.2# |
| 89 | 0.0 | 36.4 | 54.6# |

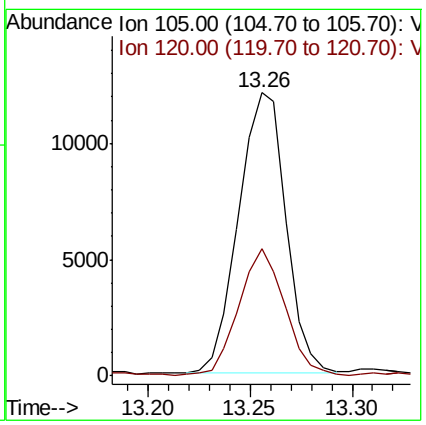


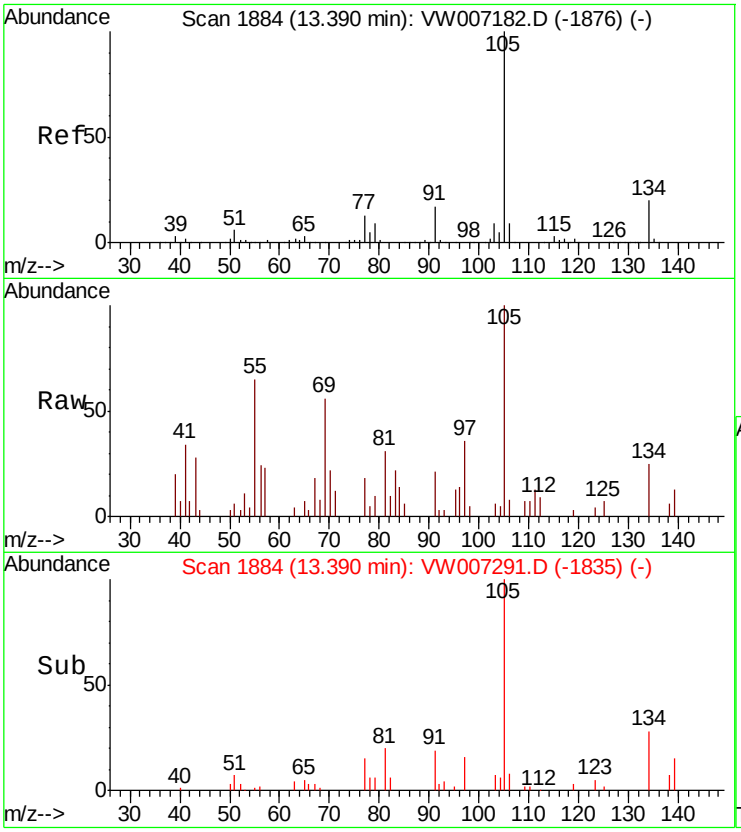




#84
1,2,4-Trimethylbenzene
Concen: 6.358 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion:105 Resp: 19488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 21.1 | 63.3 |



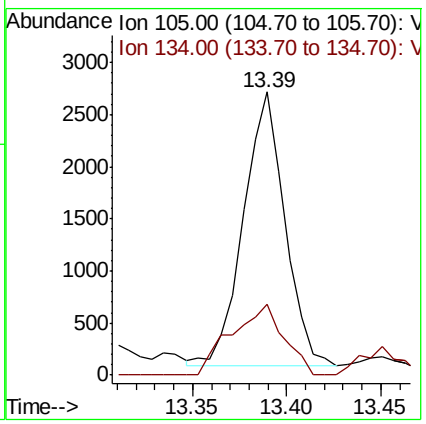


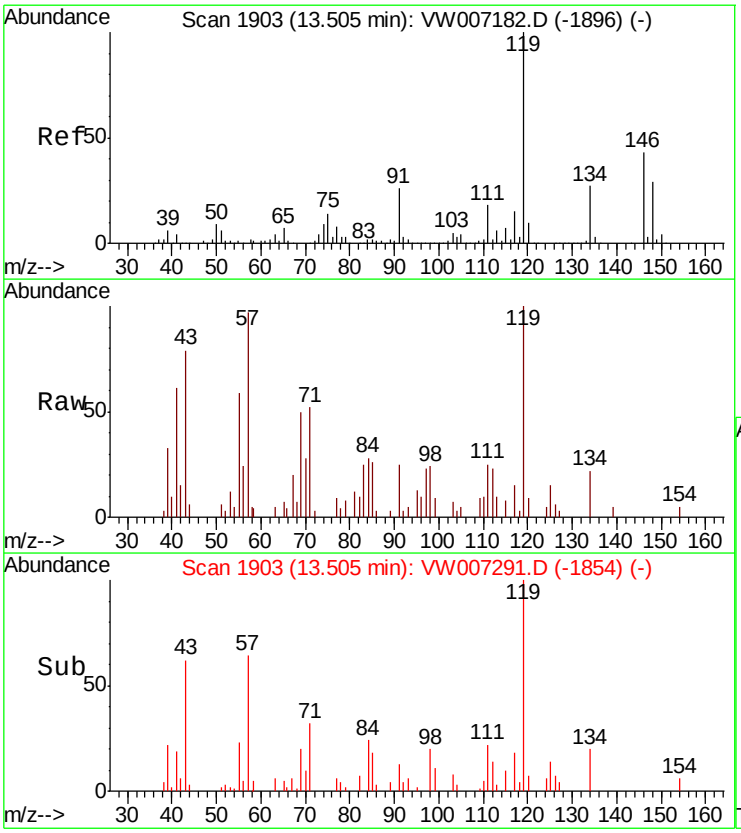

#85
sec-Butylbenzene
Concen: 1.067 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion:105 Resp: 3998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 32.6 | 10.3 | 30.8# |

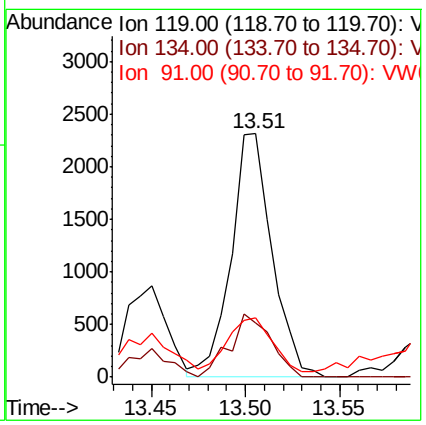


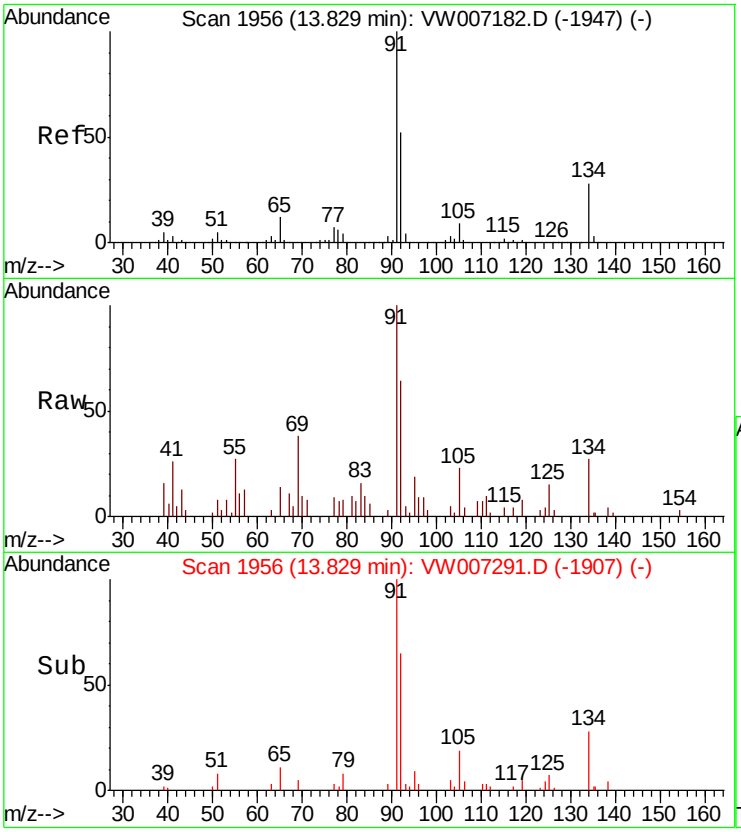




#86
p-Isopropyltoluene
Concen: 1.047 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion:119 Resp: 3491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 13.2 | 39.6 |
| 91 | 23.5 | 12.4 | 37.2 |



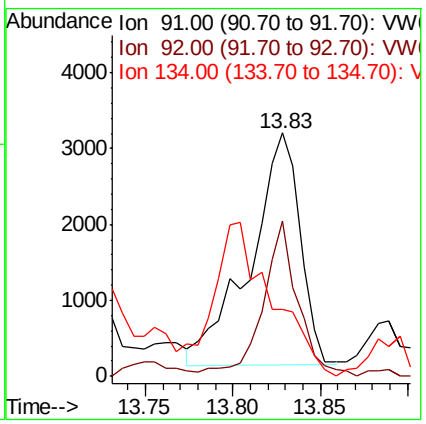


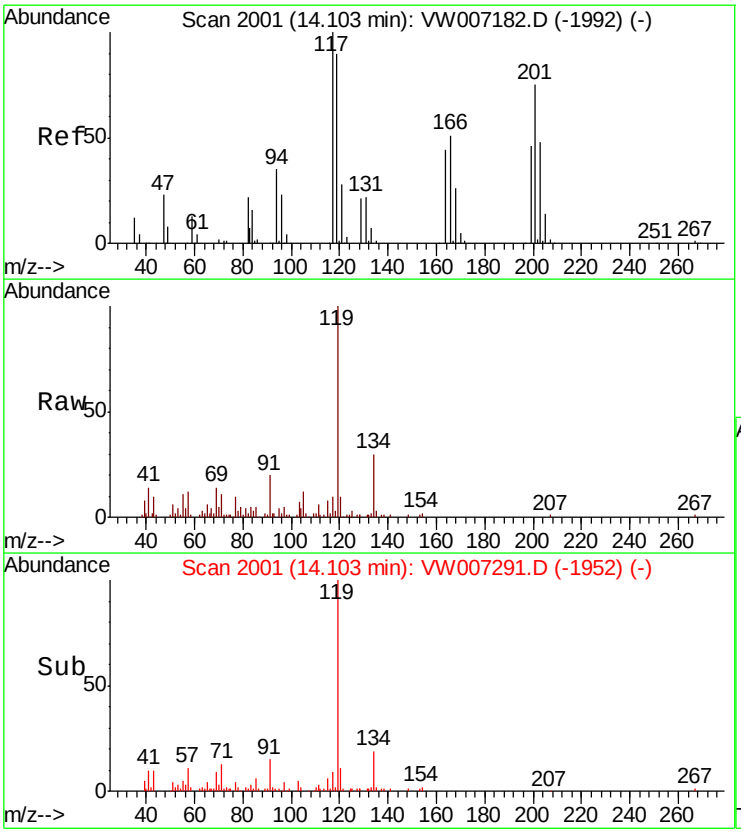

#89
n-Butylbenzene
Concen: 1.961 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion: 91 Resp: 6112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 47.4 | 26.5 | 79.5 |
| 134 | 0.0 | 14.1 | 42.2# |

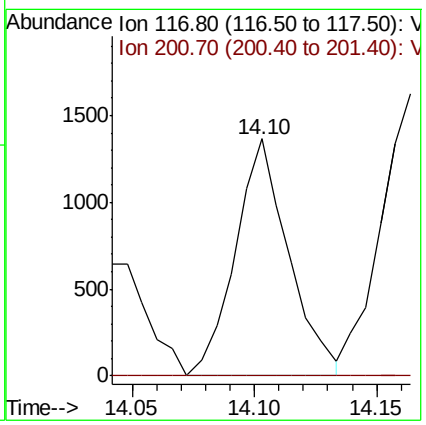


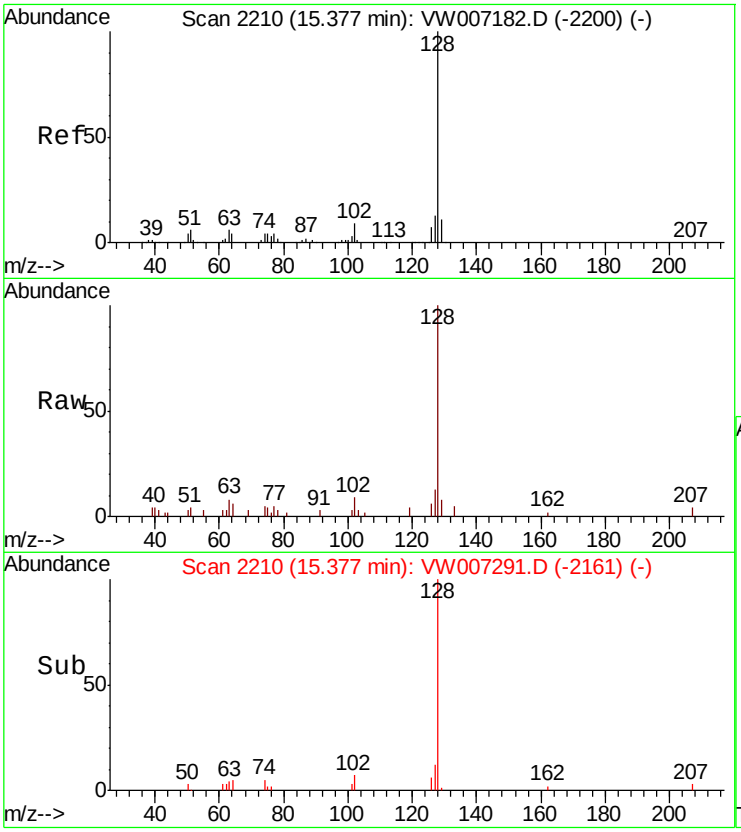




#90
Hexachloroethane
Concen: 4.079 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

Tgt Ion:117 Resp: 2073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 36.0 | 108.1# |






#95
Naphthalene
Concen: 3.544 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007291.D
Acq: 06 Dec 2018 20:51

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion:128 Resp: 5927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.4 | 10.3 | 15.5 |
| 129 | 11.1 | 8.6 | 13.0 |