Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011519\

Quantitation Report (Not Reviewed)

Data File : VW008294.D
Acq On : 15 Jan 2019 20:56
Operator : SY/VA
Sample : K1010-03
Misc : 8.98G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** OK-01-011519-A

Quant Time: Jan 16 00:55:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 66816 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.84 | 114 | 131083 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 121383 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 51999 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 45956 | 61.20 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 122.40% | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 42749 | 55.92 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 111.84% | | | |
| 50) Toluene-d8 | 10.32 | 98 | 171743 | 53.53 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.06% | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 56034 | 48.72 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.44% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 5.25 | 59 | 158 | Below Cal | # | 100 |
| 13) Acrolein | 3.89 | 56 | 130 | 1.110 | ug/l | 86 |
| 15) Acrylonitrile | 5.37 | 53 | 268 | 1.659 | ug/l # | 77 |
| 16) Acetone | 4.12 | 43 | 16876 | 113.472 | ug/l | 97 |
| 20) Methylene Chloride | 4.91 | 84 | 14190 | 15.914 | ug/l | 90 |
| 25) 2-Butanone | 7.18 | 43 | 3262 | 15.612 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.15 | 77 | 1955 | 1.954 | ug/l # | 53 |
| 29) Tetrahydrofuran | 7.53 | 42 | 339 | 2.429 | ug/l # | 64 |
| 31) Cyclohexane | 7.95 | 56 | 2768 | 1.751 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.94 | 75 | 6664 | 4.935 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 7.95 | 117 | 7749 | 6.270 | ug/l # | 17 |
| 39) Methylcyclohexane | 9.33 | 83 | 1754 | 1.024 | ug/l # | 80 |
| 49) 1,4-Dioxane | 9.48 | 88 | 60 | 8.366 | ug/l # | 89 |
| 51) 4-Methyl-2-Pentanone | 10.10 | 43 | 534 | 1.020 | ug/l | 98 |
| 52) Toluene | 10.39 | 92 | 26896 | 11.499 | ug/l | 94 |
| 68) m/p-Xylenes | 11.84 | 106 | 6421 | 3.575 | ug/l | 97 |
| 69) o-Xylene | 12.17 | 106 | 2256 | 1.356 | ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 12.62 | 75 | 28226 | 59.545 | ug/l # | 1 |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75 | 28226 | 138.662 | ug/l # | 11 |

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

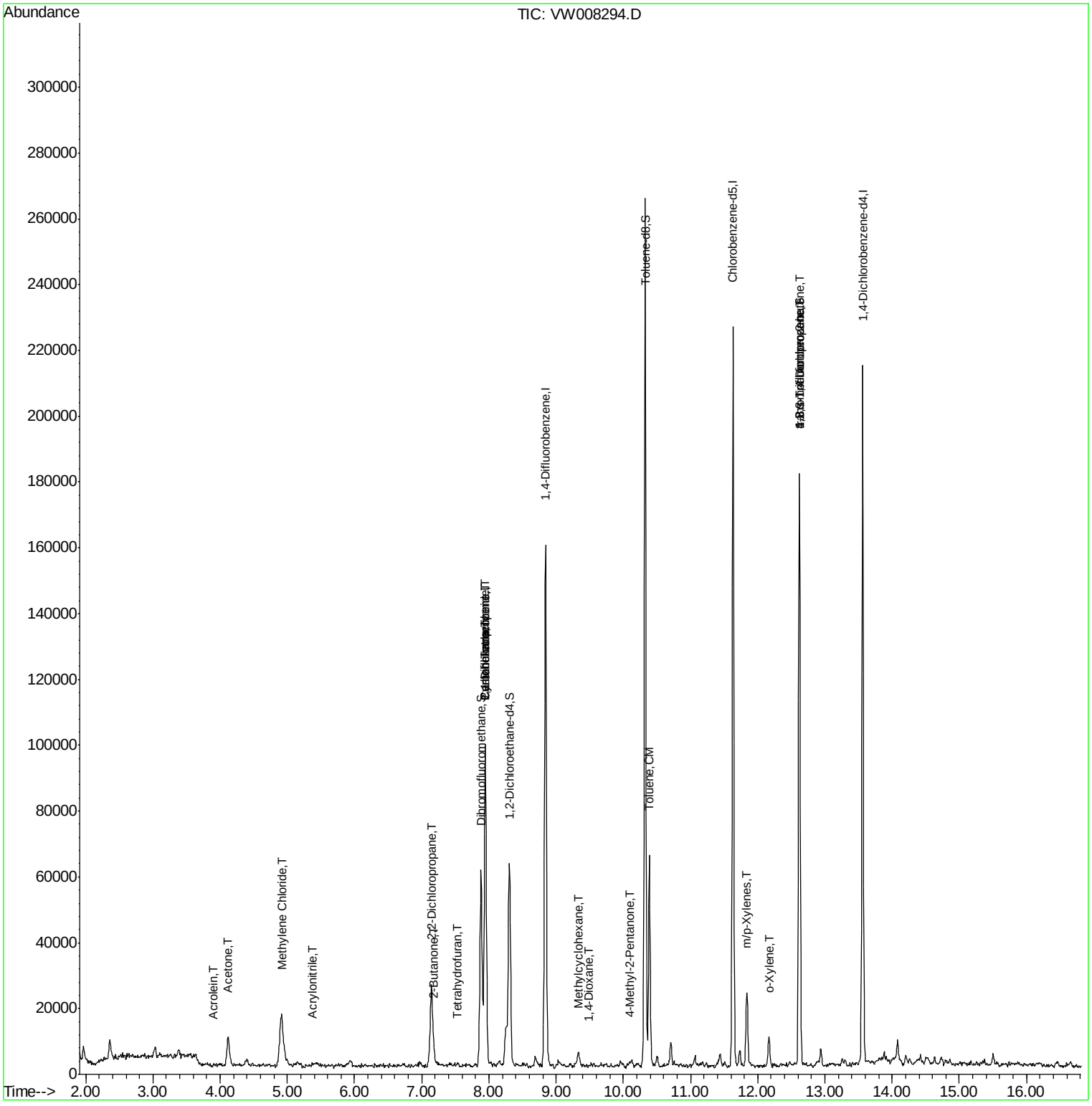
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011519\

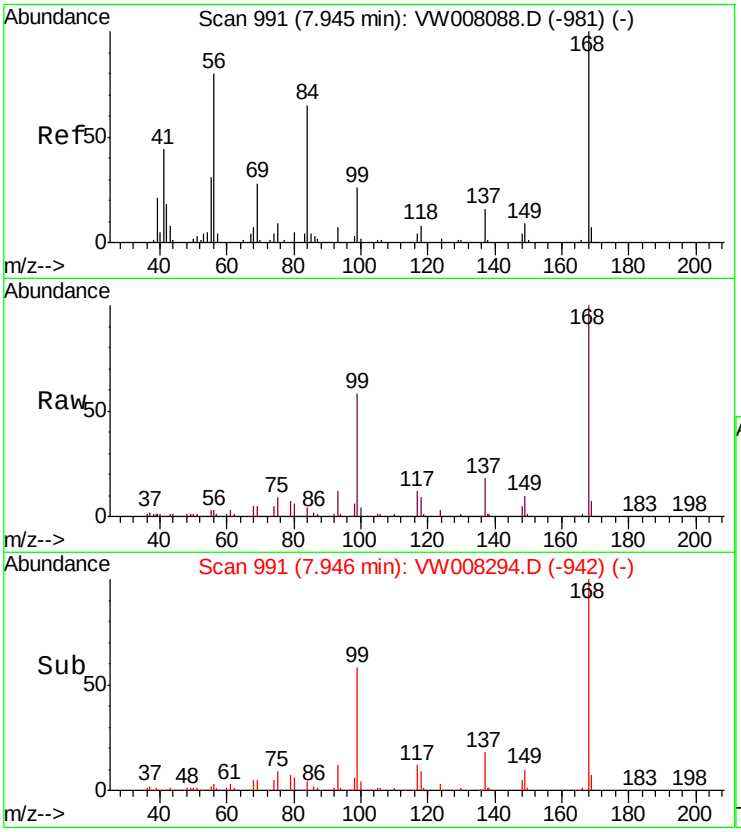
Quantitation Report (Not Reviewed)

Data File : VW008294.D
Acq On : 15 Jan 2019 20:56
Operator : SY/VA
Sample : K1010-03
Misc : 8.98G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** OK-01-011519-A

Quant Time: Jan 16 00:55:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration



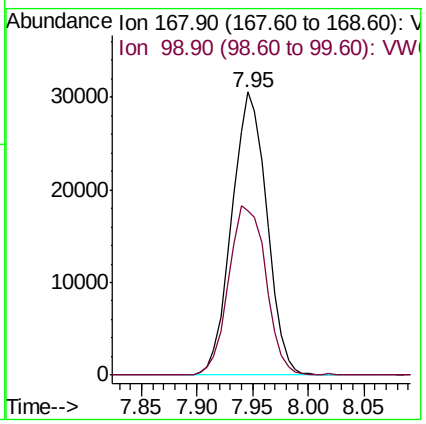


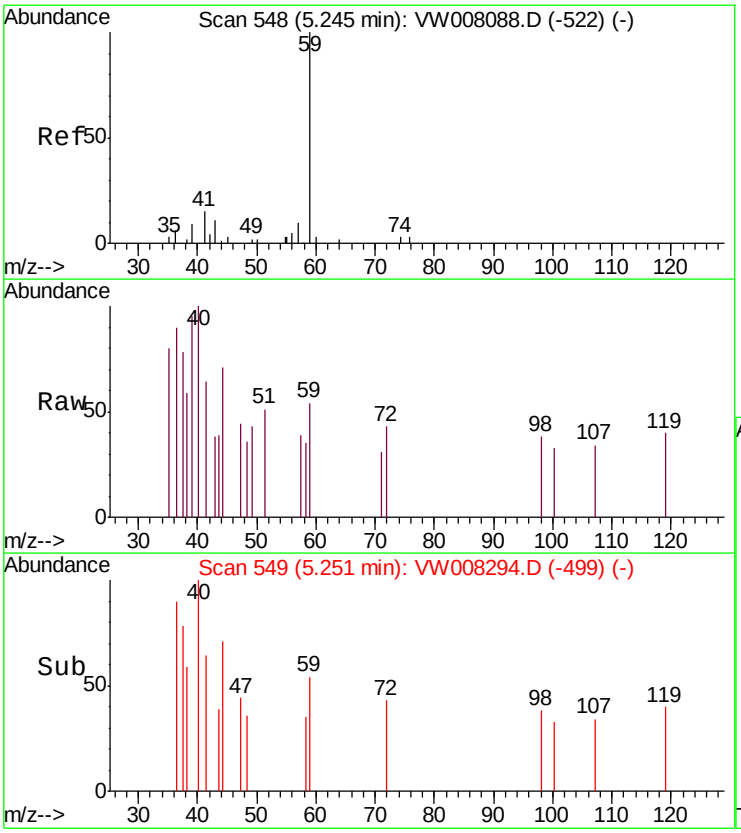

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion:168 Resp: 66816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.9 | 52.6 | 78.8 |

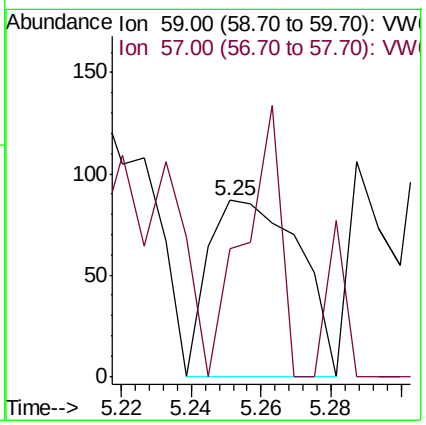


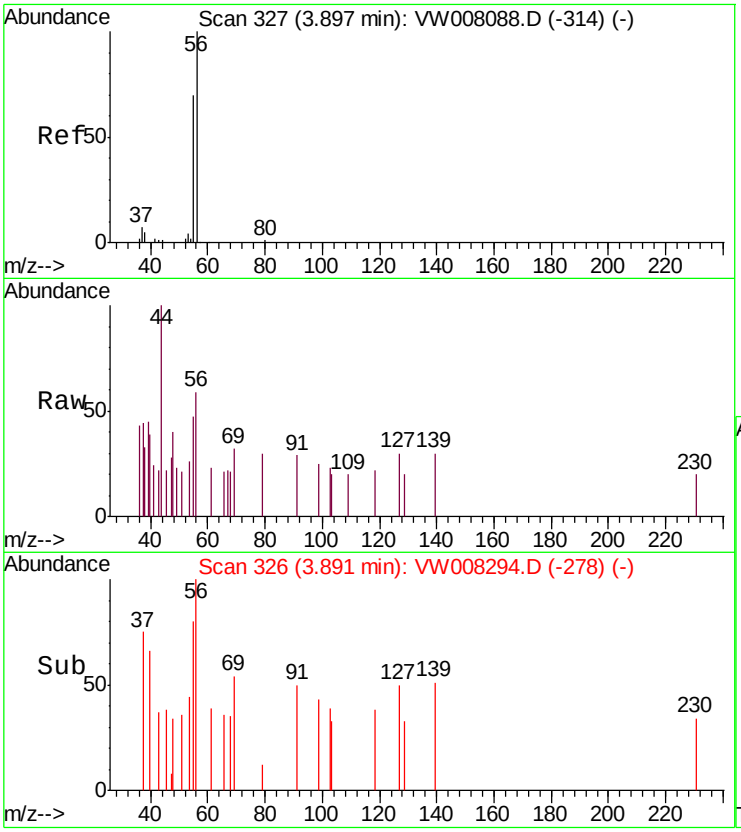




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 549
Delta R.T. 0.01 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 59 Resp: 158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 60.8 | 0.0 | 0.0# |



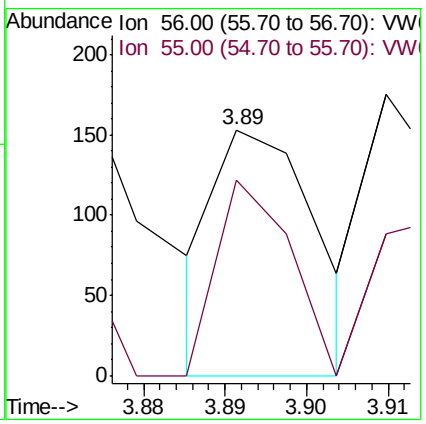


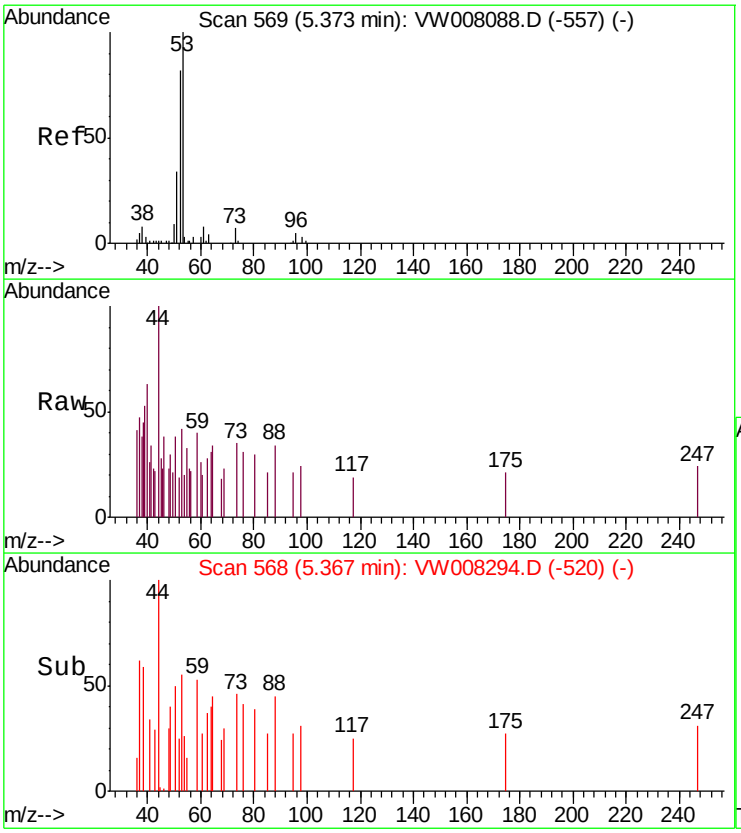

#13
Acrolein
Concen: 1.110 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :** MSVOA_W
**ClientSampleId :** OK-01-011519-A

Tgt Ion: 56 Resp: 130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 59.2 | 56.6 | 84.8 |

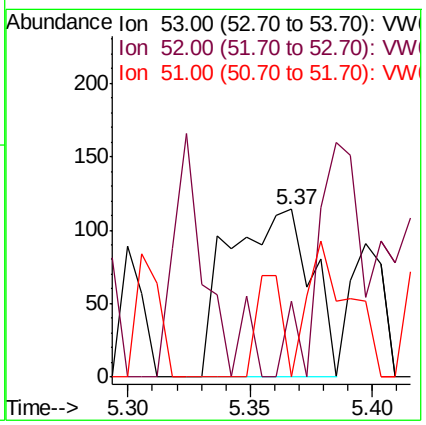


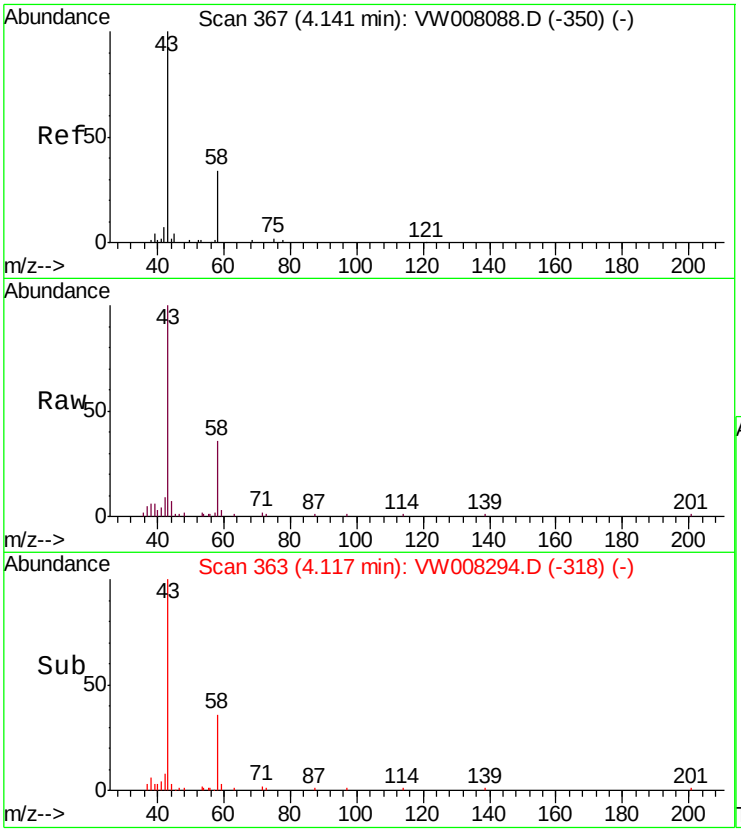




#15
Acrylonitrile
Concen: 1.659 ug/l
RT: 5.37 min Scan# 568
Delta R.T. -0.01 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 53 Resp: 268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 110.8 | 66.8 | 100.2# |
| 51 | 41.8 | 29.7 | 44.5 |



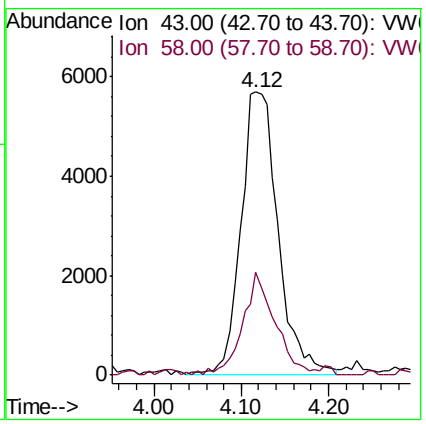


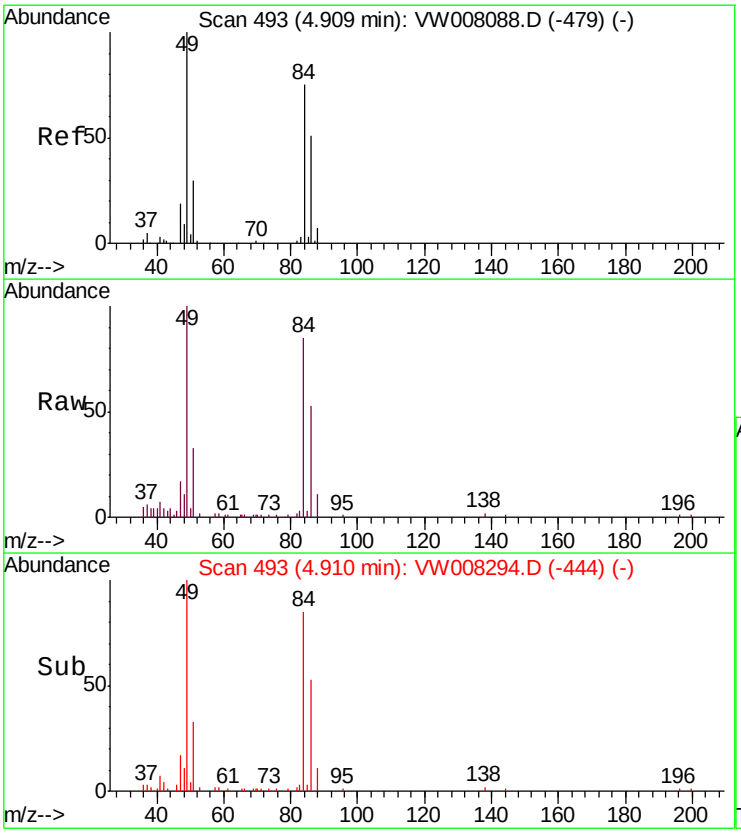

#16
Acetone
Concen: 113.472 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.02 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :** MSVOA_W
**ClientSampleId :** OK-01-011519-A

Tgt Ion: 43 Resp: 16876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.4 | 27.5 | 41.3 |

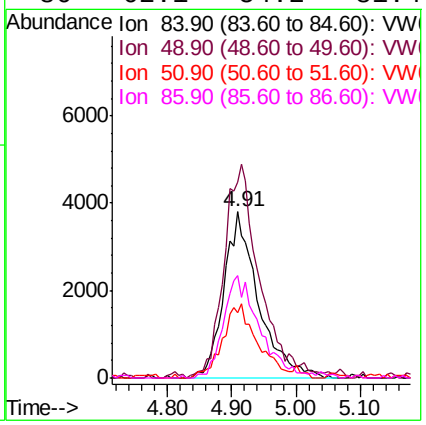


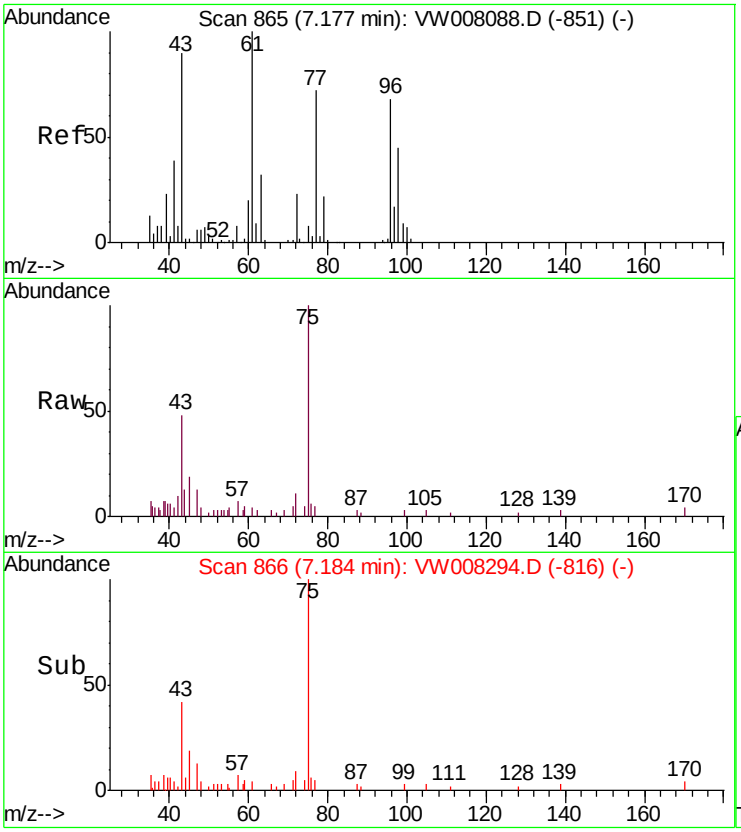




#20
Methylene Chloride
Concen: 15.914 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 84 Resp: 14190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.0 | 107.1 | 160.7 |
| 51 | 39.0 | 32.4 | 48.6 |
| 86 | 62.1 | 54.2 | 81.4 |



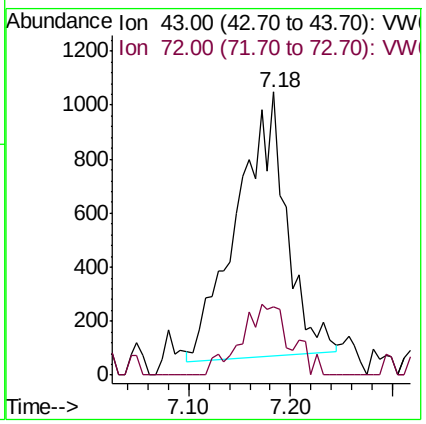


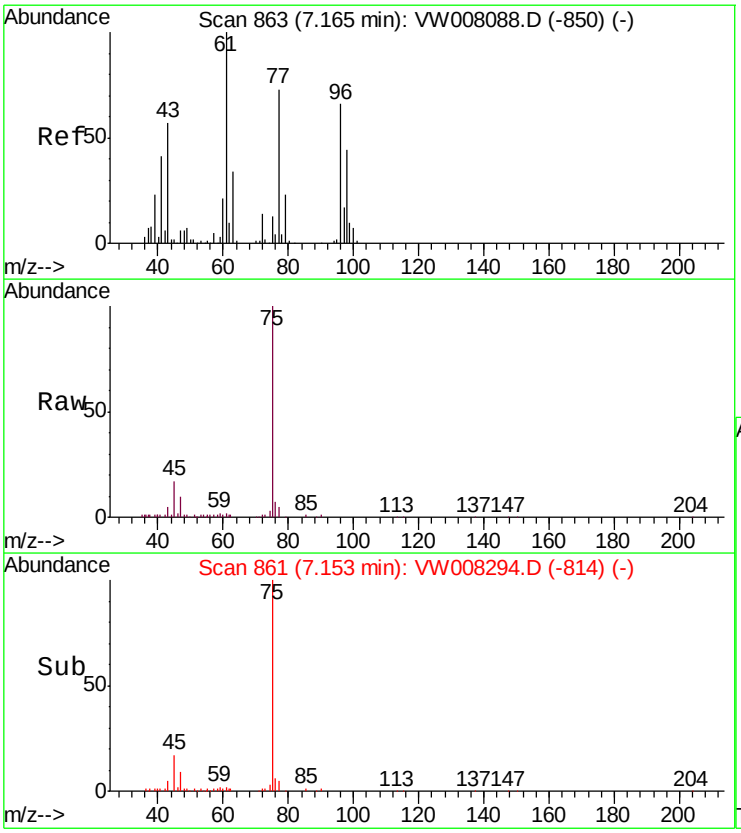

#25
2-Butanone
Concen: 15.612 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion: 43 Resp: 3262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 20.5 | 30.7 |

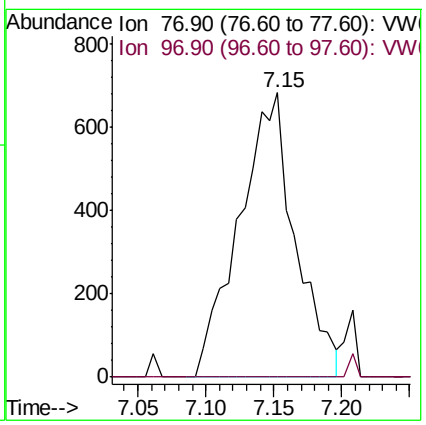


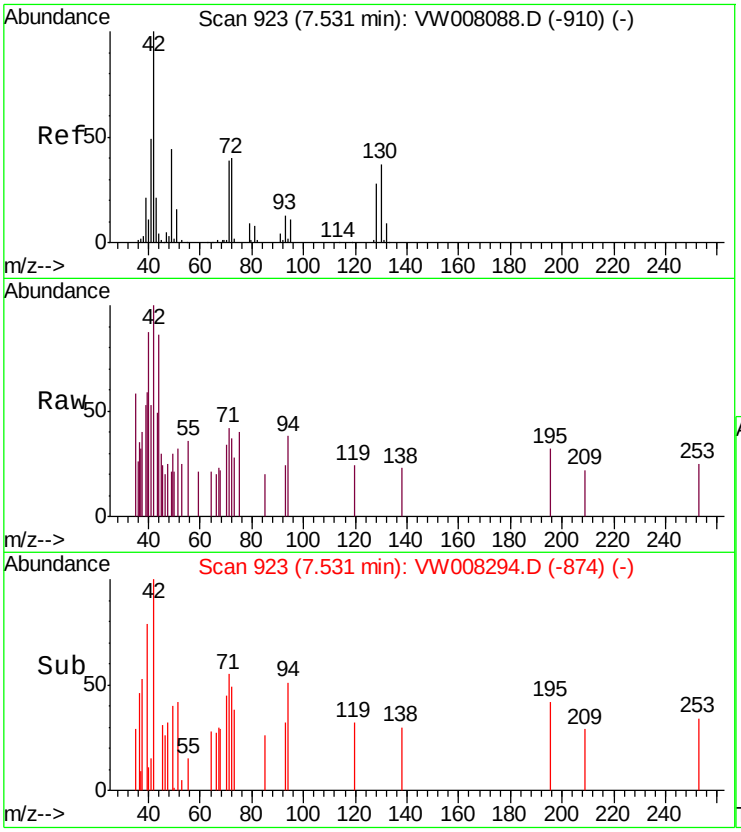




#26
2,2-Dichloropropane
Concen: 1.954 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 77 Resp: 1955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 0.0 | 11.4 | 34.1# |



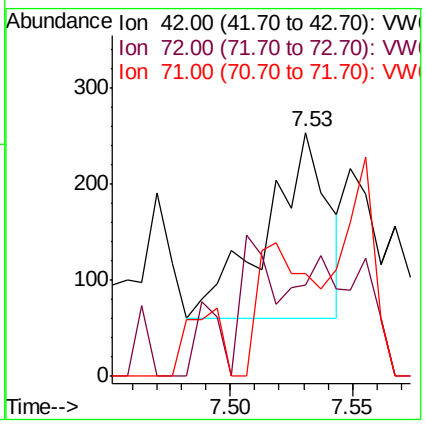


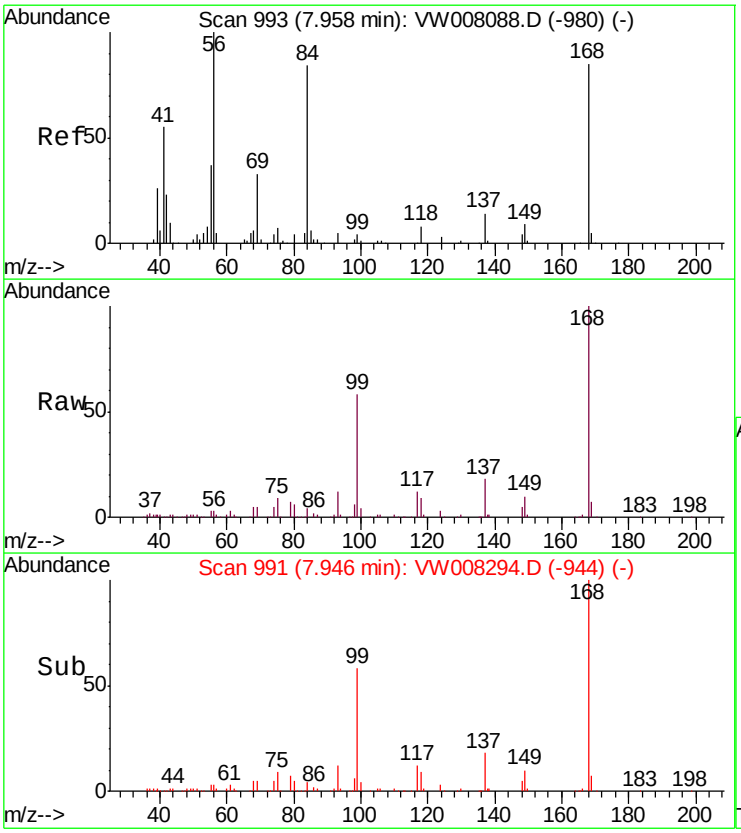

#29
Tetrahydrofuran
Concen: 2.429 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :** MSVOA_W
**ClientSampleId :** OK-01-011519-A

Tgt Ion: 42 Resp: 339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 62.8 | 32.4 | 48.6# |
| 71 | 61.7 | 31.3 | 46.9# |

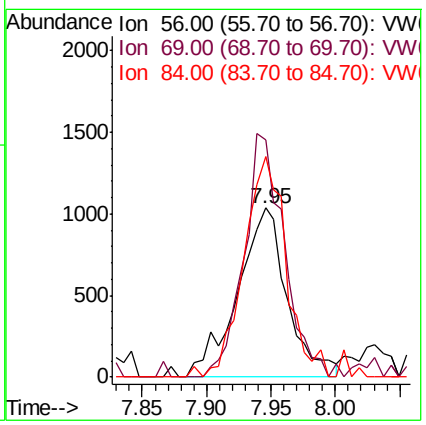


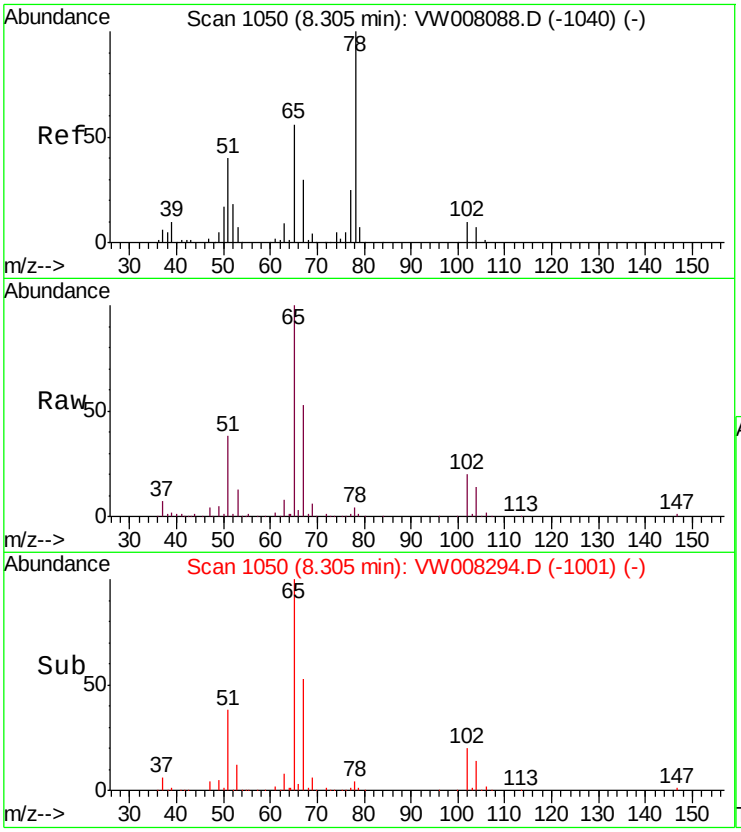




#31
Cyclohexane
Concen: 1.751 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 56 Resp: 2768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 147.9 | 26.2 | 39.4# |
| 84 | 137.5 | 67.4 | 101.2# |



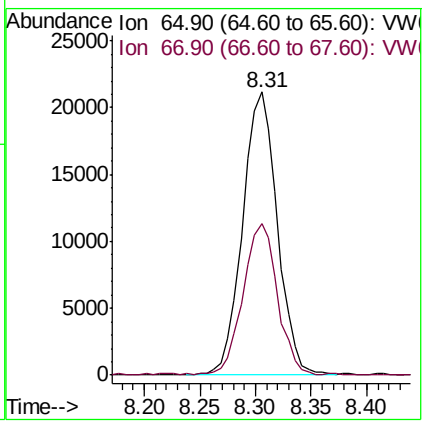


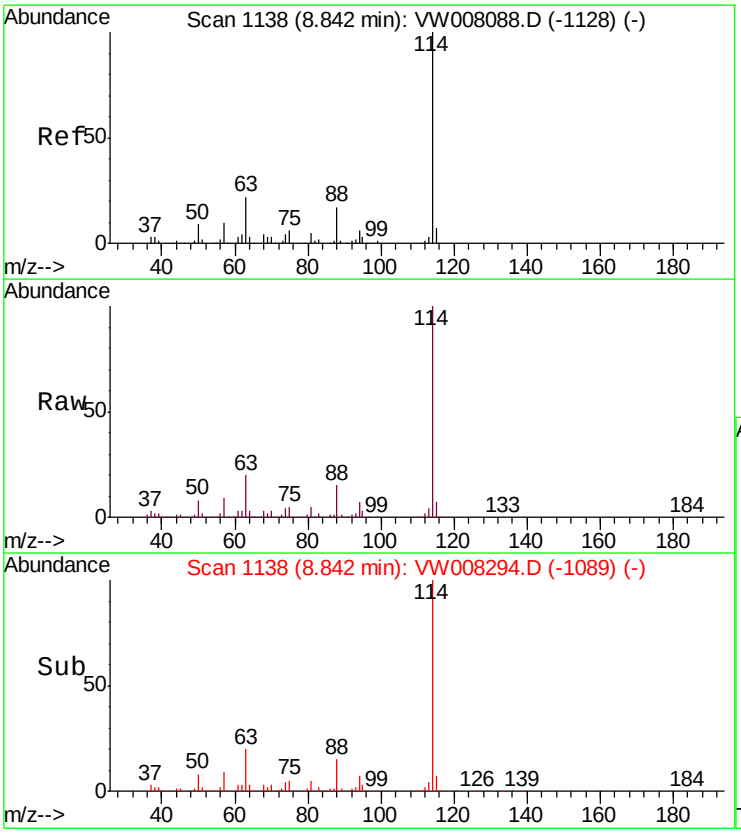

#33
1,2-Dichloroethane-d4
Concen: 61.197 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion: 65 Resp: 45956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 106.8 |

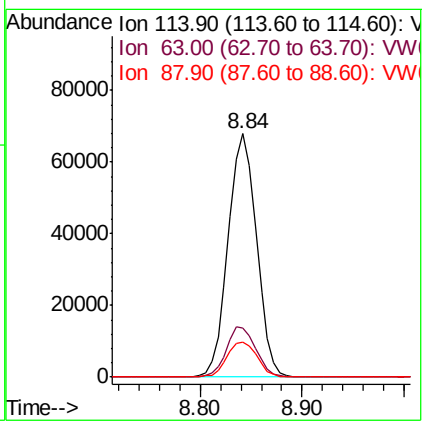


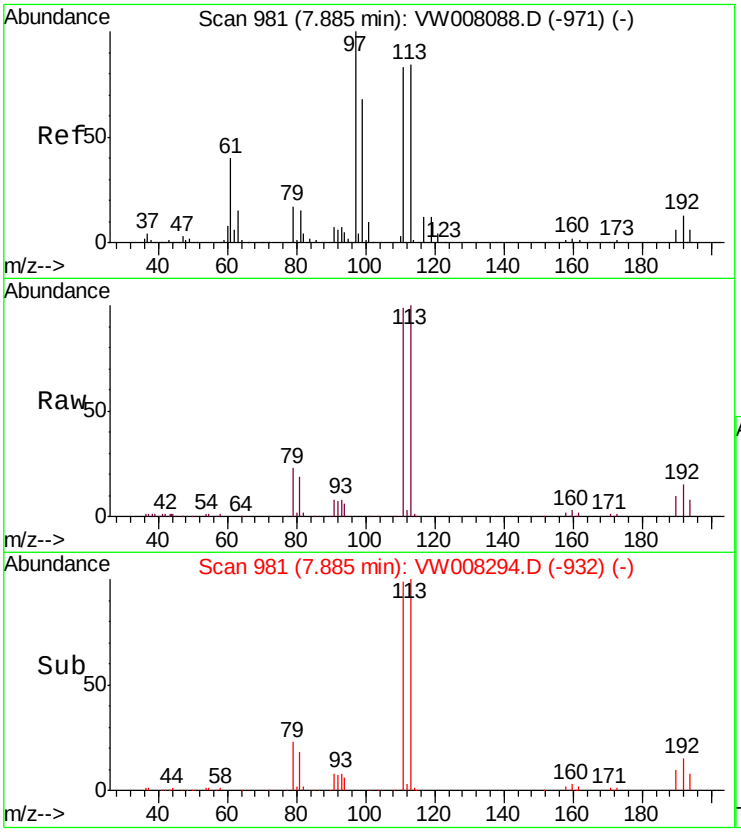




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion:114 Resp: 131083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 43.4 |
| 88 | 14.5 | 0.0 | 33.4 |



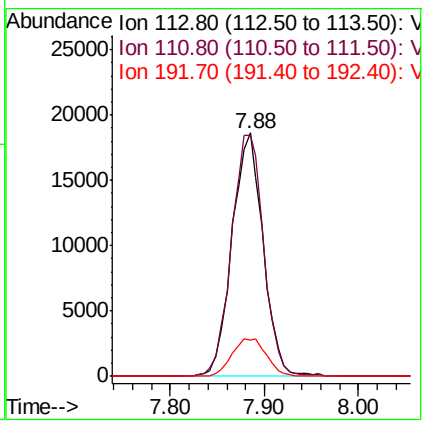


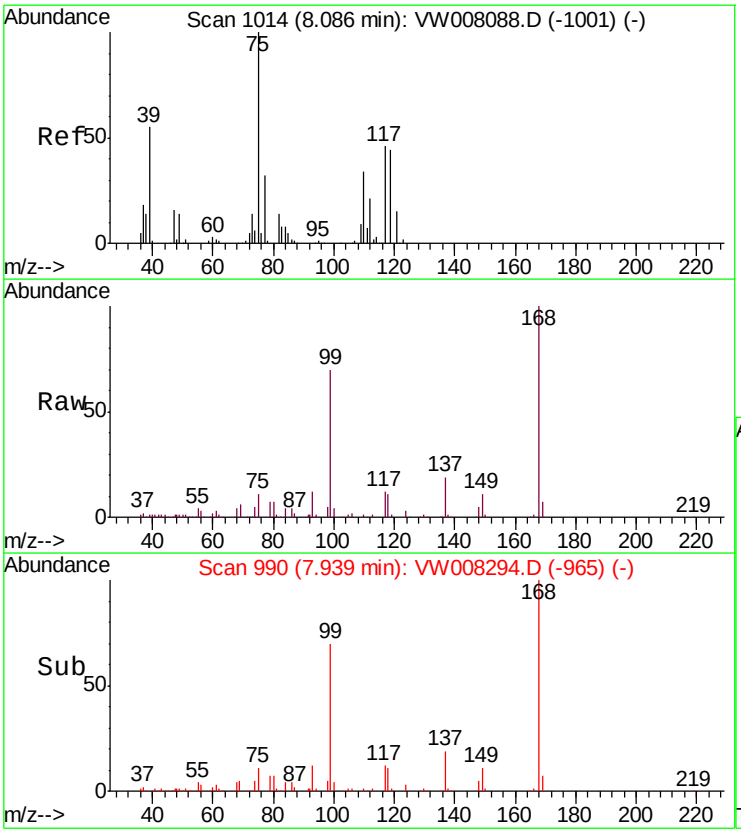

#35
Dibromofluoromethane
Concen: 55.916 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion:113 Resp: 42749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 81.8 | 122.8 |
| 192 | 17.1 | 12.8 | 19.2 |

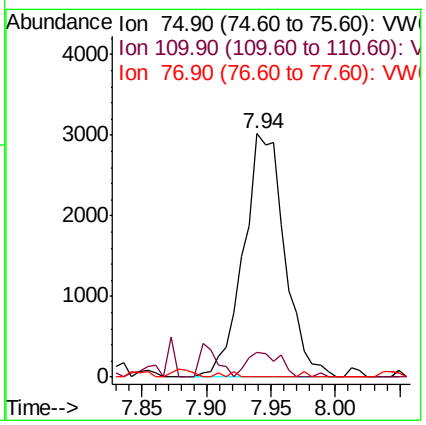


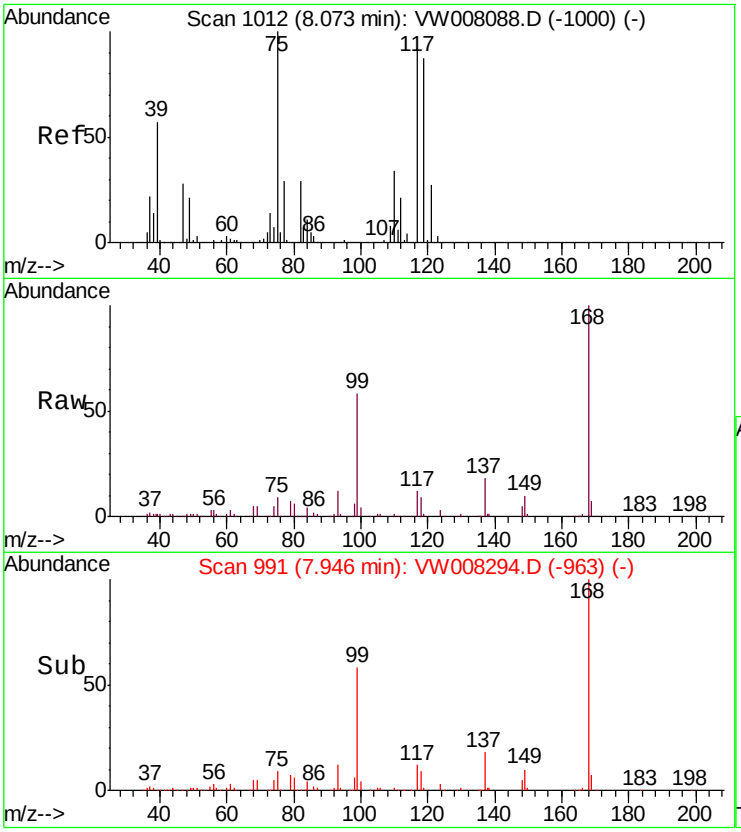




#36
1,1-Dichloropropene
Concen: 4.935 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.15 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 75 Resp: 6664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.4 | 17.1 | 51.3# |
| 77 | 0.6 | 25.5 | 38.3# |



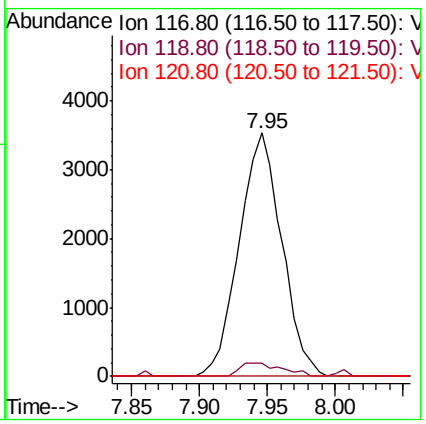


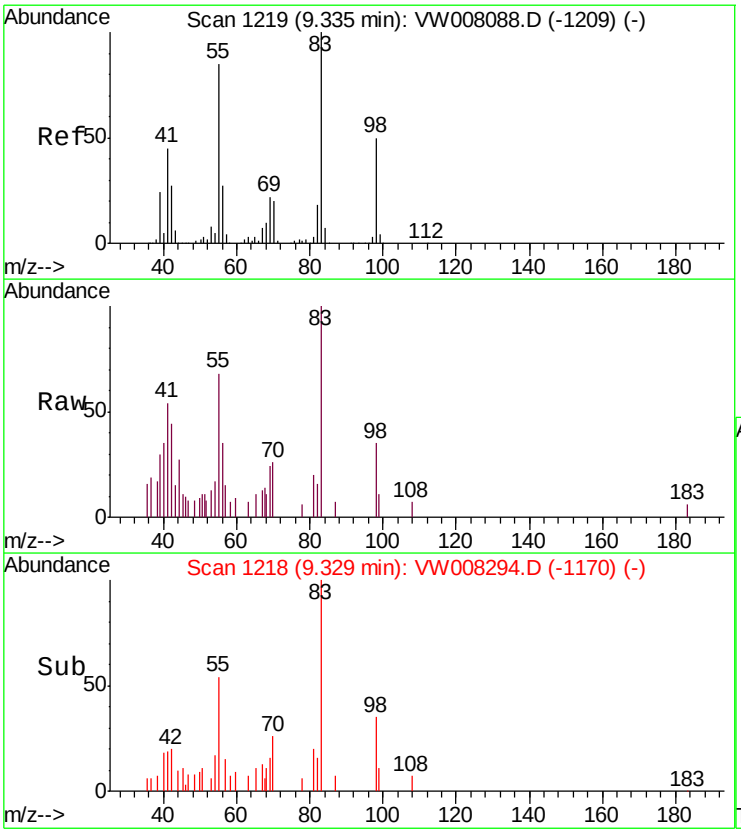

#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion:117 Resp: 7749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 75.8 | 113.8# |
| 121 | 0.0 | 23.7 | 35.5# |

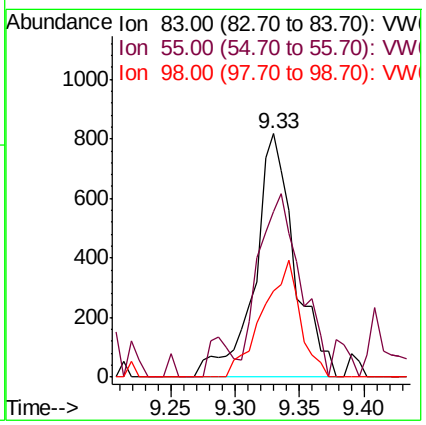


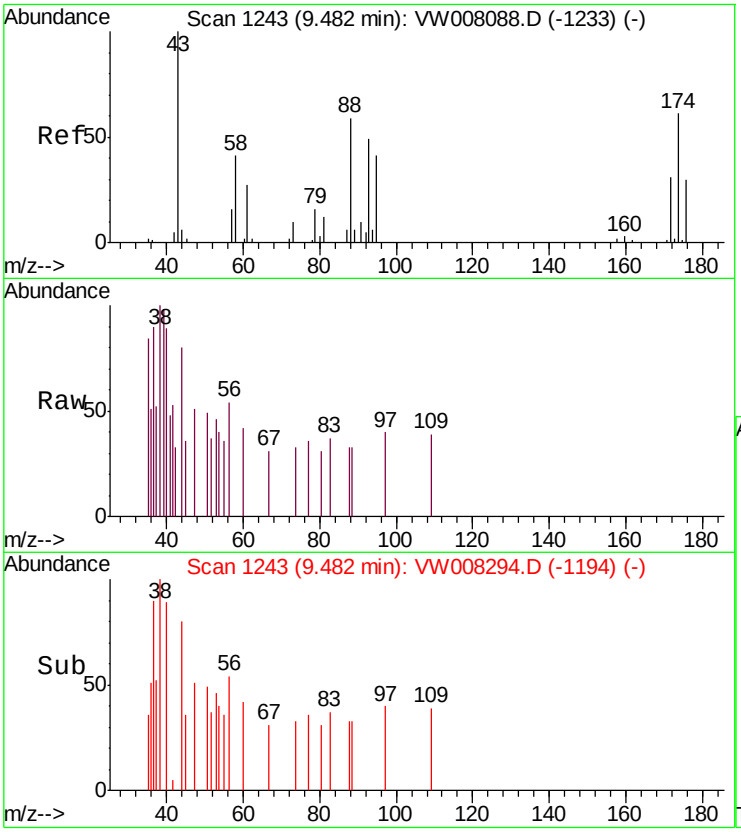




#39
Methylcyclohexane
Concen: 1.024 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 83 Resp: 1754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 67.7 | 67.8 | 101.6# |
| 98 | 35.2 | 40.2 | 60.4# |



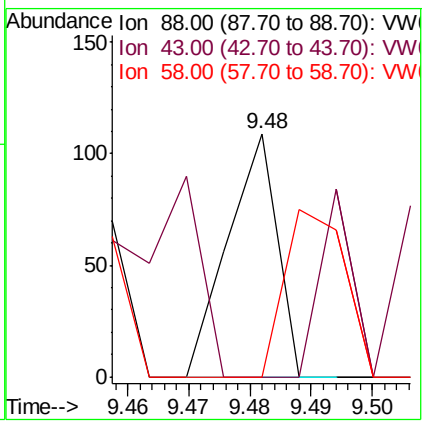


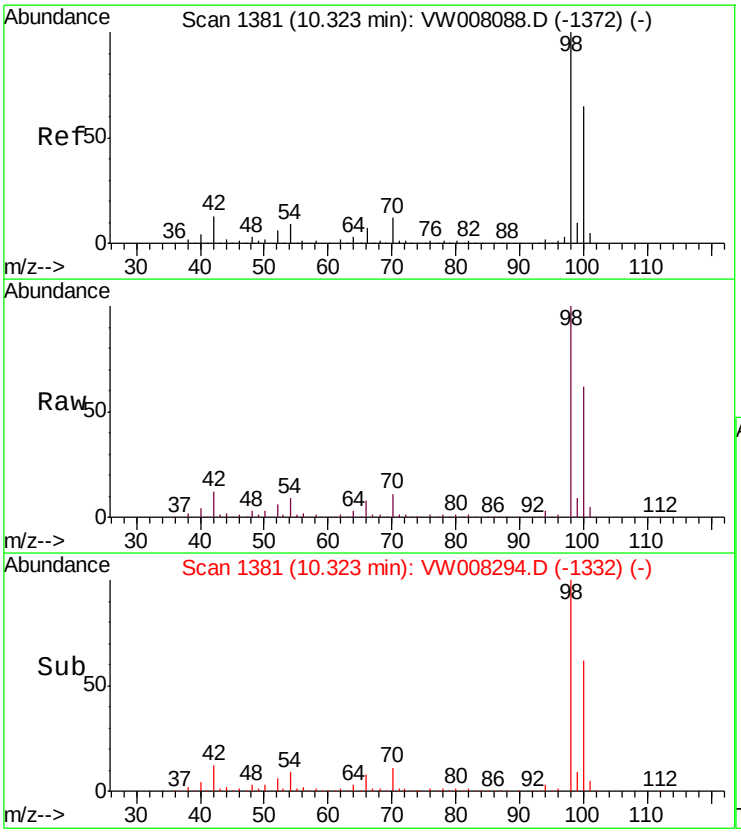

#49
1,4-Dioxane
Concen: 8.366 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion: 88 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 0.0 | 0.0 |
| 58 | 86.7 | 61.7 | 92.5 |

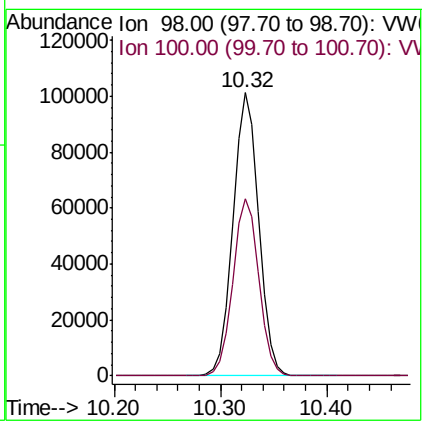


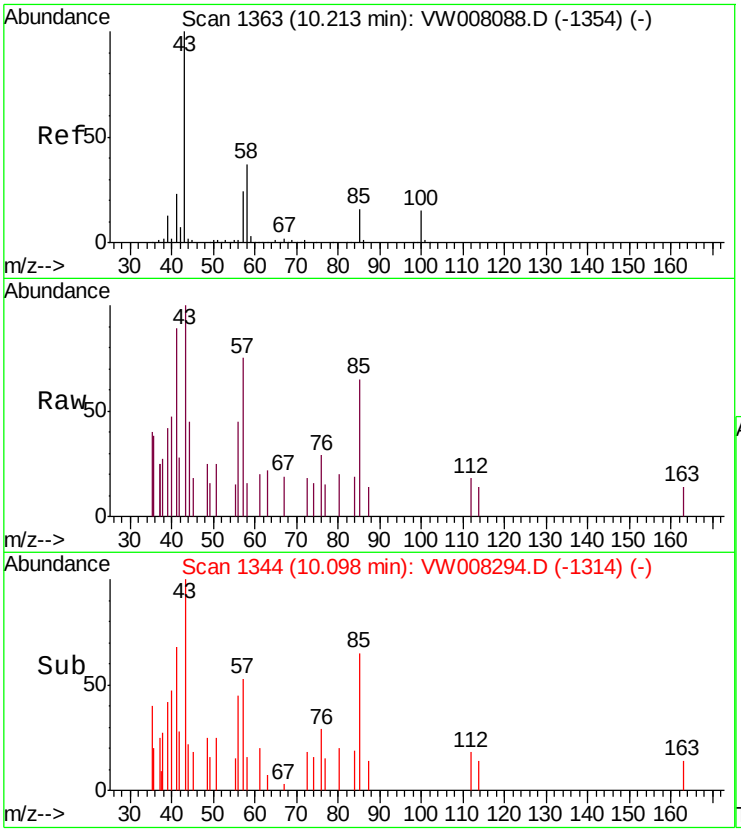




#50
Toluene-d8
Concen: 53.532 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 98 Resp: 171743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.1 | 51.7 | 77.5 |



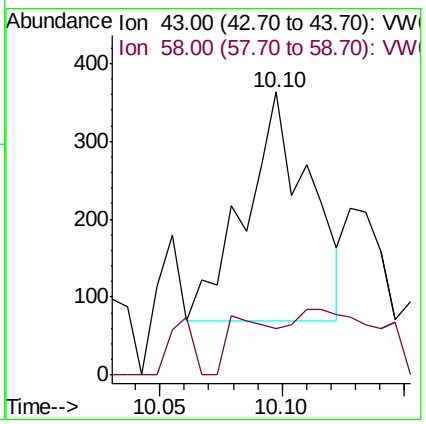


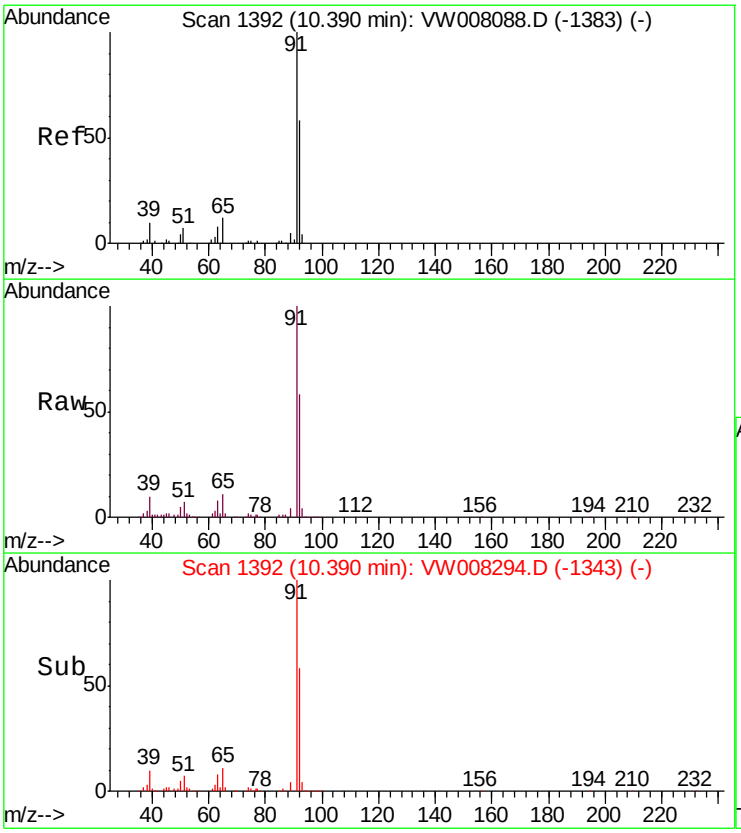

#51
4-Methyl-2-Pentanone
Concen: 1.020 ug/l
RT: 10.10 min Scan# 1344
Delta R.T. -0.12 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :** MSVOA_W
**ClientSampleId :** OK-01-011519-A

Tgt Ion: 43 Resp: 534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.5 | 30.6 | 46.0 |

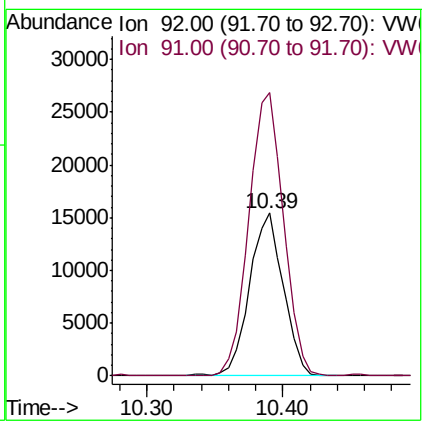


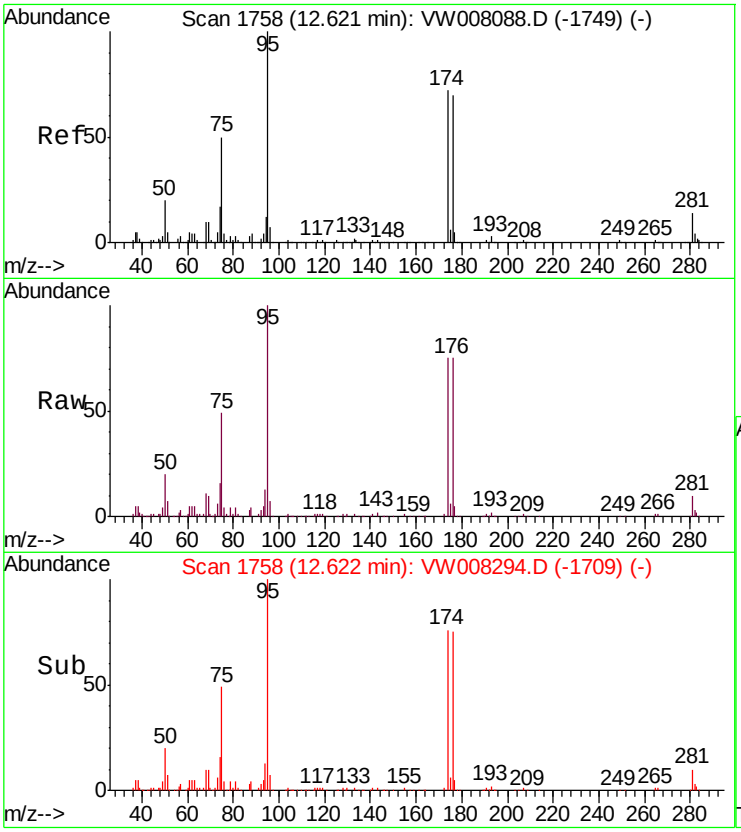




#52
Toluene
Concen: 11.499 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 92 Resp: 26896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 179.3 | 137.0 | 205.4 |



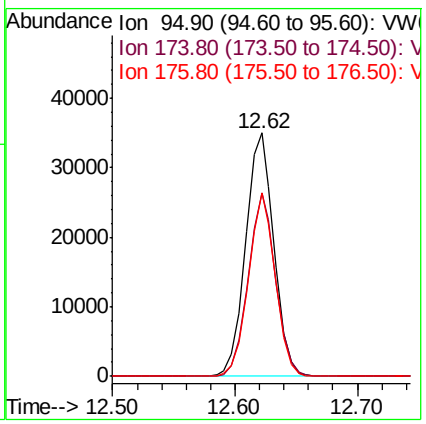


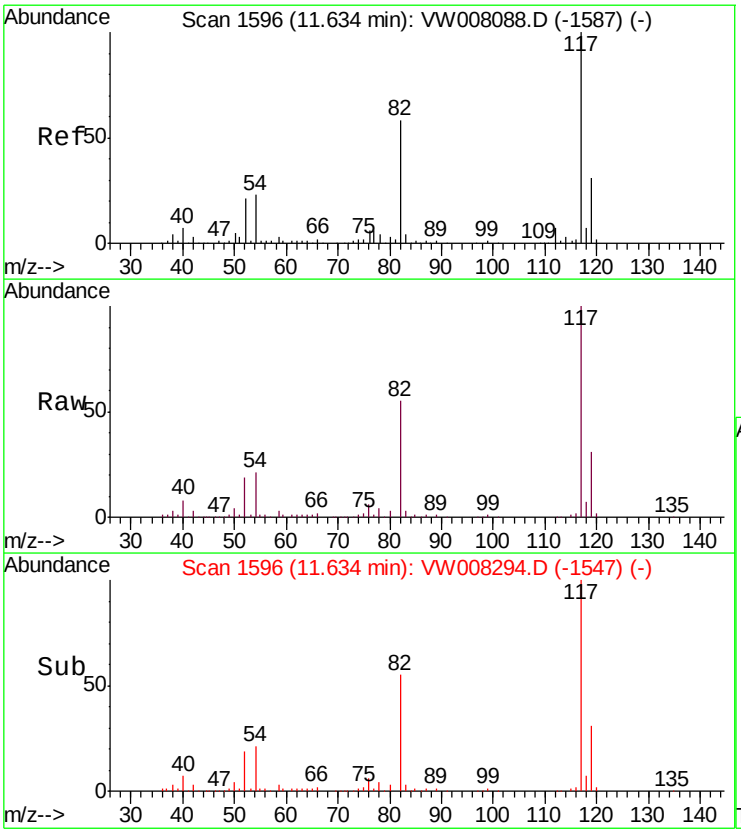

#62
4-Bromofluorobenzene
Concen: 48.719 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion: 95 Resp: 56034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.1 | 0.0 | 143.0 |
| 176 | 71.5 | 0.0 | 140.2 |

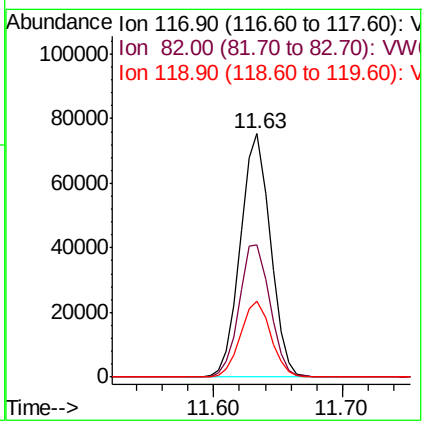


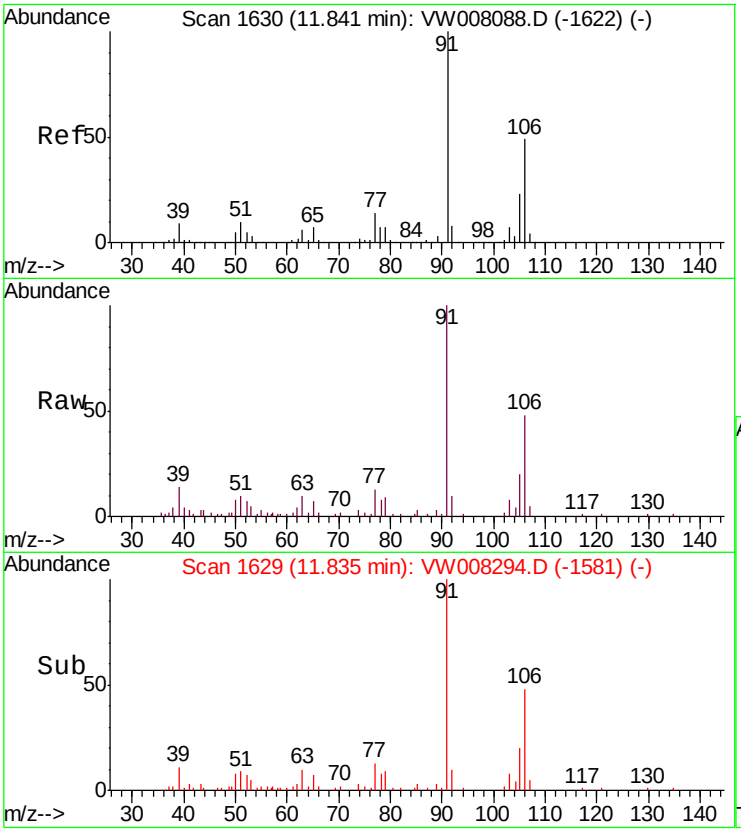




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion:117 Resp: 121383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.5 | 46.4 | 69.6 |
| 119 | 31.3 | 24.7 | 37.1 |



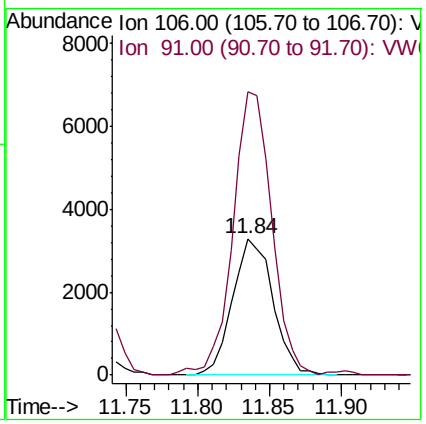


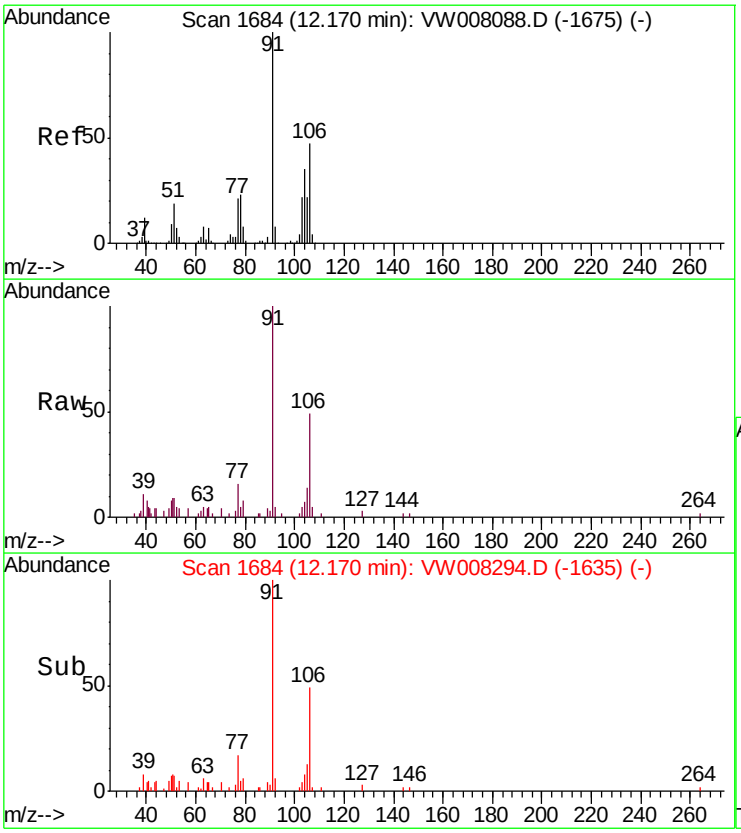

#68
m/p-Xylenes
Concen: 3.575 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion:106 Resp: 6421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 198.9 | 162.4 | 243.6 |

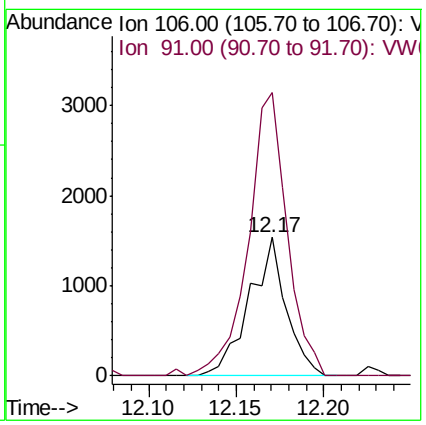


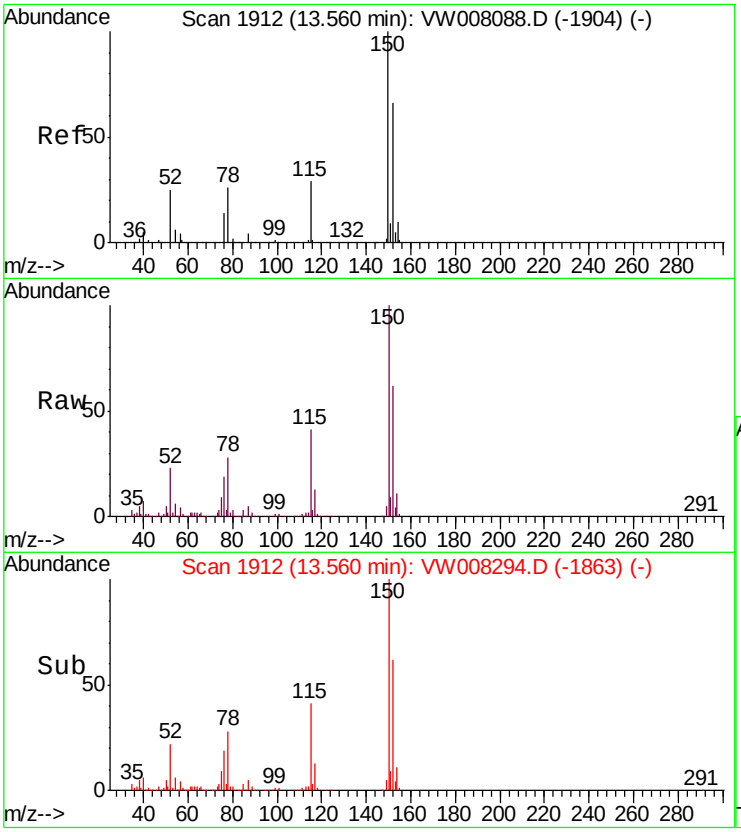




#69
o-Xylene
Concen: 1.356 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion:106 Resp: 2256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.9 | 107.8 | 323.6 |



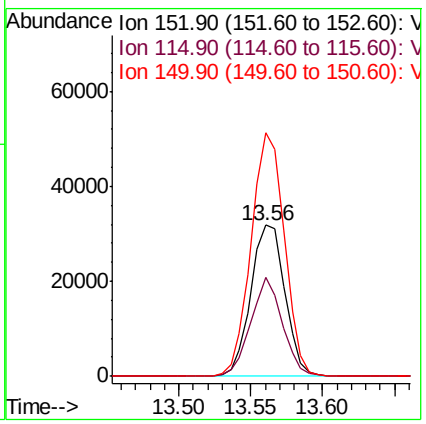


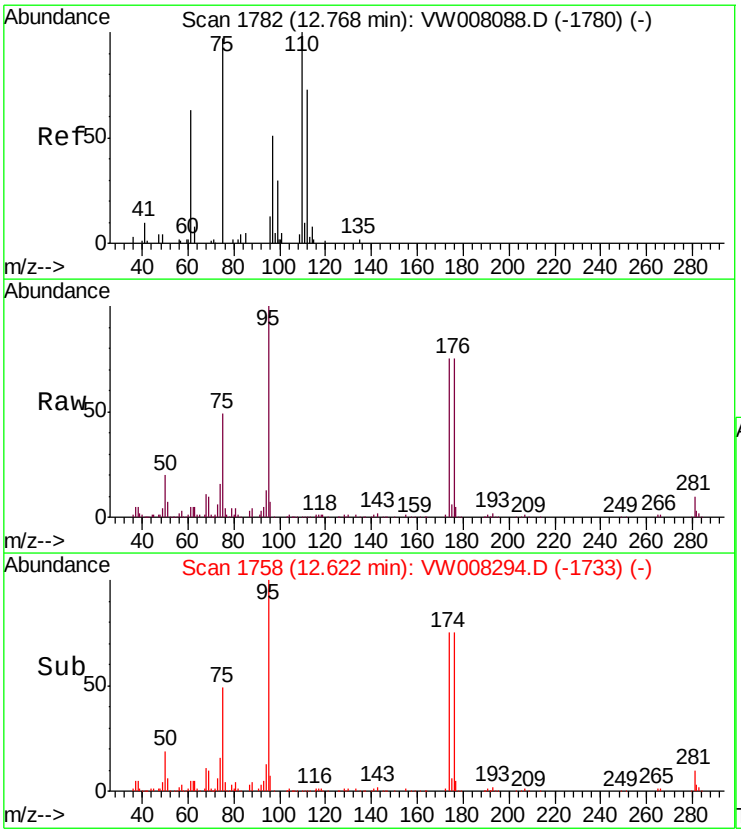

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion:152 Resp: 51999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.4 | 30.8 | 92.4 |
| 150 | 157.5 | 0.0 | 350.2 |

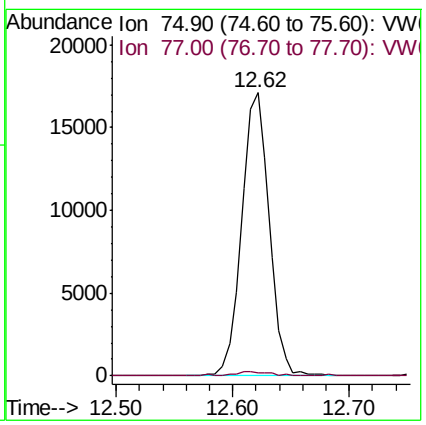


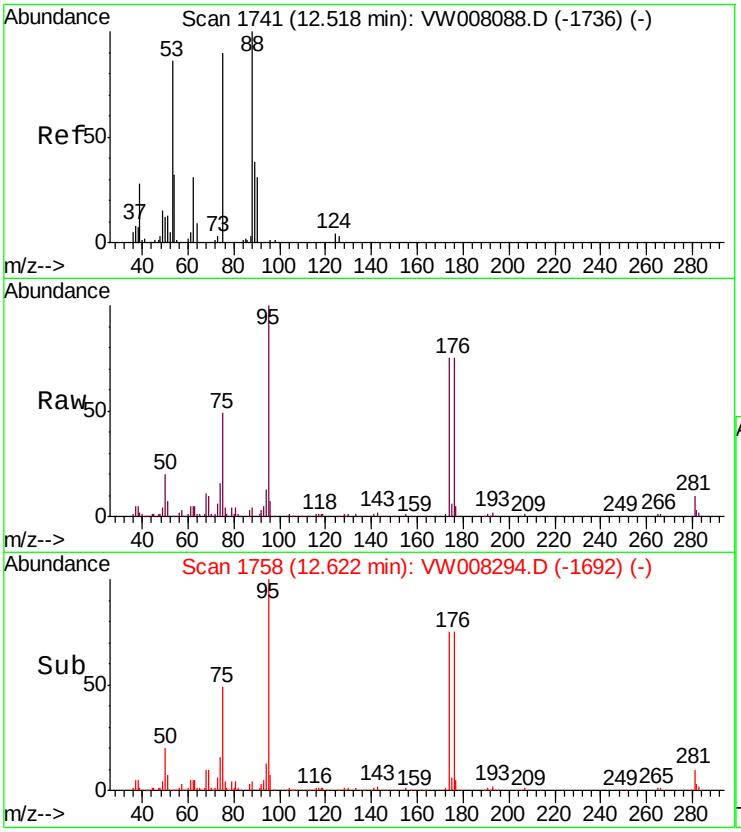




#76
1,2,3-Trichloropropane
Concen: 59.545 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

Tgt Ion: 75 Resp: 28226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 2.0 | 179.4 | 538.2# |






#81
trans-1,4-Dichloro-2-butene
Concen: 138.662 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW008294.D
Acq: 15 Jan 2019 20:56

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-01-011519-A

Tgt Ion: 75 Resp: 28226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 78.8 | 118.2# |
| 89 | 0.3 | 35.4 | 53.2# |