Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111219\

Quantitation Report (Not Reviewed)

Data File : VW013981.D
Acq On : 12 Nov 2019 17:48
Operator : SY/VA
Sample : K5670-01
Misc : 8.27G/5.0ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** OK-02-111119

Quant Time: Nov 13 06:44:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 285226 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.84 | 114 | 436839 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 343325 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152 | 118376 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 121741 | 56.90 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 113.80% | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 127278 | 52.44 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.88% | | | |
| 50) Toluene-d8 | 10.32 | 98 | 491194 | 49.66 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.32% | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 136215 | 40.67 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 81.34% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 5.15 | 59 | 896 | 7.015 | ug/l # | 71 |
| 16) Acetone | 4.12 | 43 | 5947 | 13.108 | ug/l | 93 |
| 20) Methylene Chloride | 4.91 | 84 | 11236 | Below Cal | | 90 |
| 28) Bromochloromethane | 7.67 | 49 | 26 | 1.356 | ug/l # | 7 |
| 31) Cyclohexane | 7.95 | 56 | 5346 | 1.124 | ug/l # | 25 |
| 36) 1,1-Dichloropropene | 7.95 | 75 | 16953 | 4.167 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 7.95 | 117 | 24253 | 6.620 | ug/l # | 15 |
| 76) 1,2,3-Trichloropropane | 12.62 | 75 | 62614 | 73.654 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75 | 62614 | 139.197 | ug/l # | 14 |
| 84) 1,2,4-Trimethylbenzene | 13.25 | 105 | 9444 | 1.334 | ug/l | 95 |

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

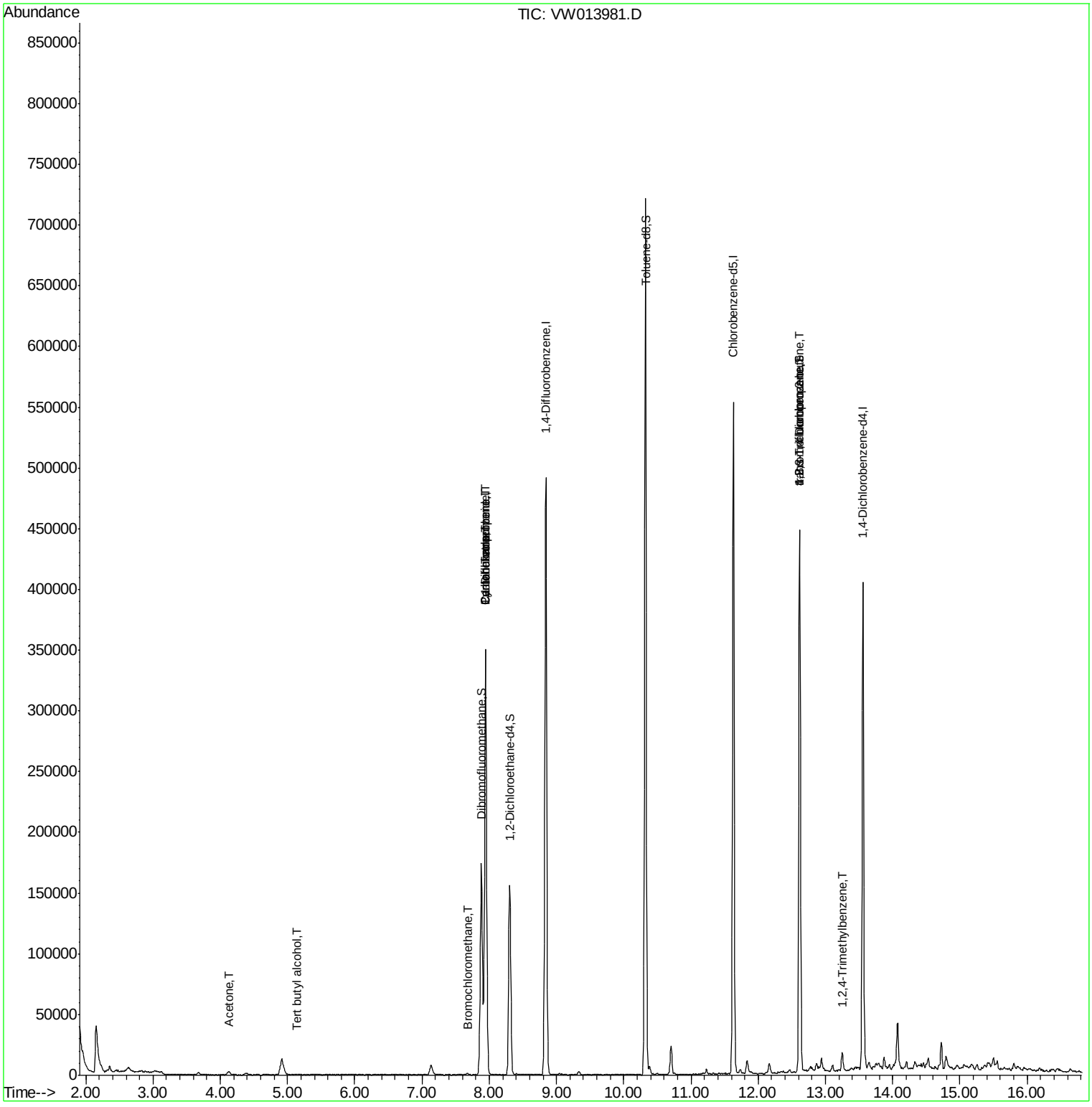
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111219\

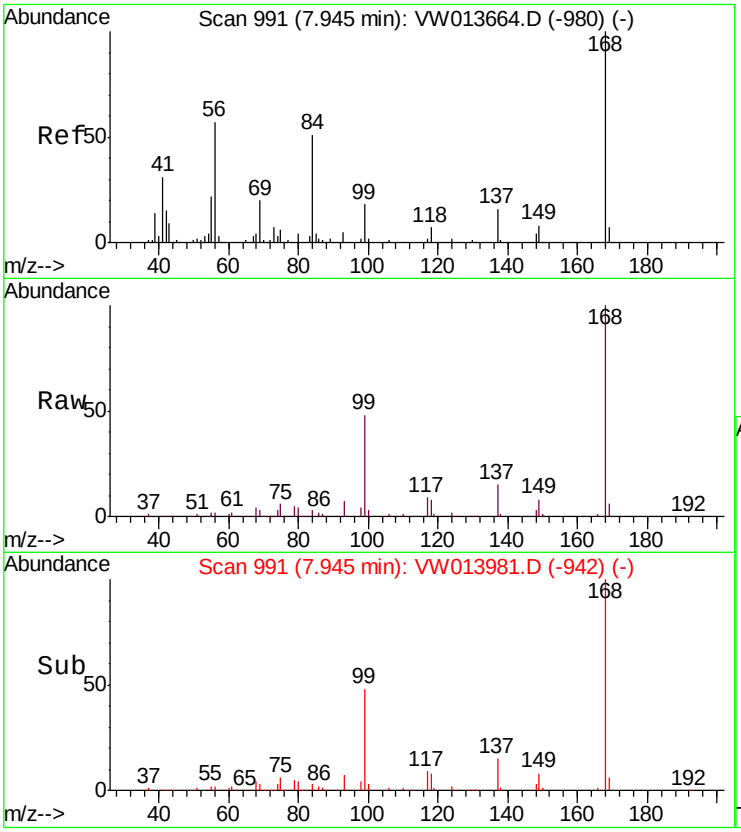
Quantitation Report (Not Reviewed)

Data File : VW013981.D
Acq On : 12 Nov 2019 17:48
Operator : SY/VA
Sample : K5670-01
Misc : 8.27G/5.0ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** OK-02-111119

Quant Time: Nov 13 06:44:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration



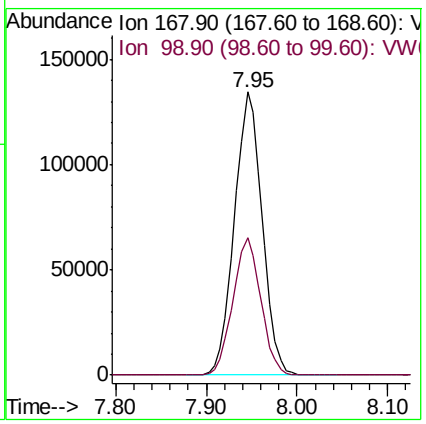


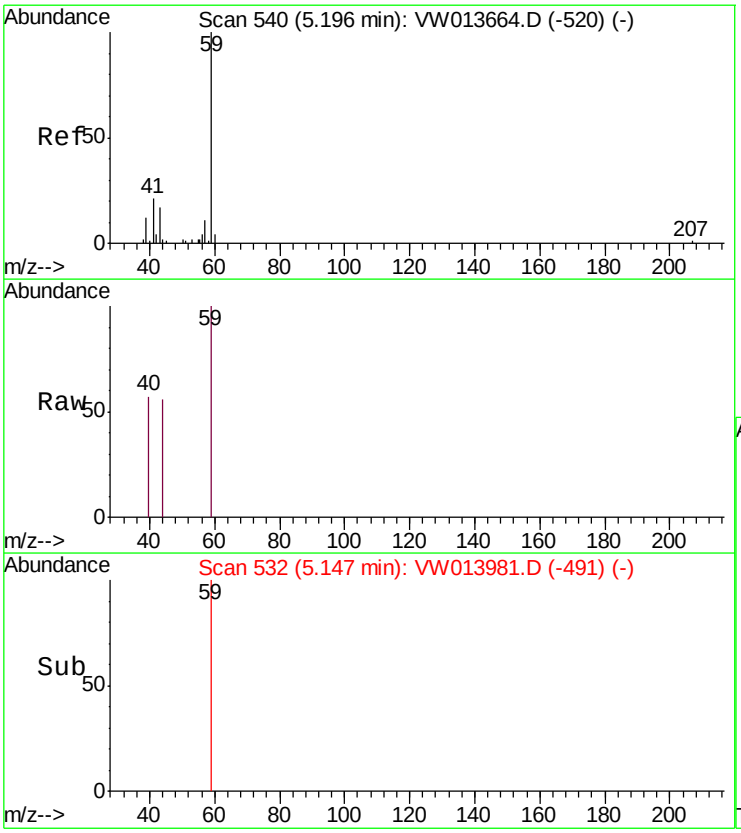

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-02-111119

Tgt Ion:168 Resp: 285226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.4 | 39.0 | 58.6 |

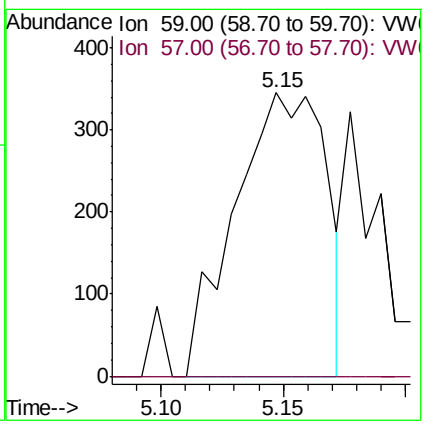


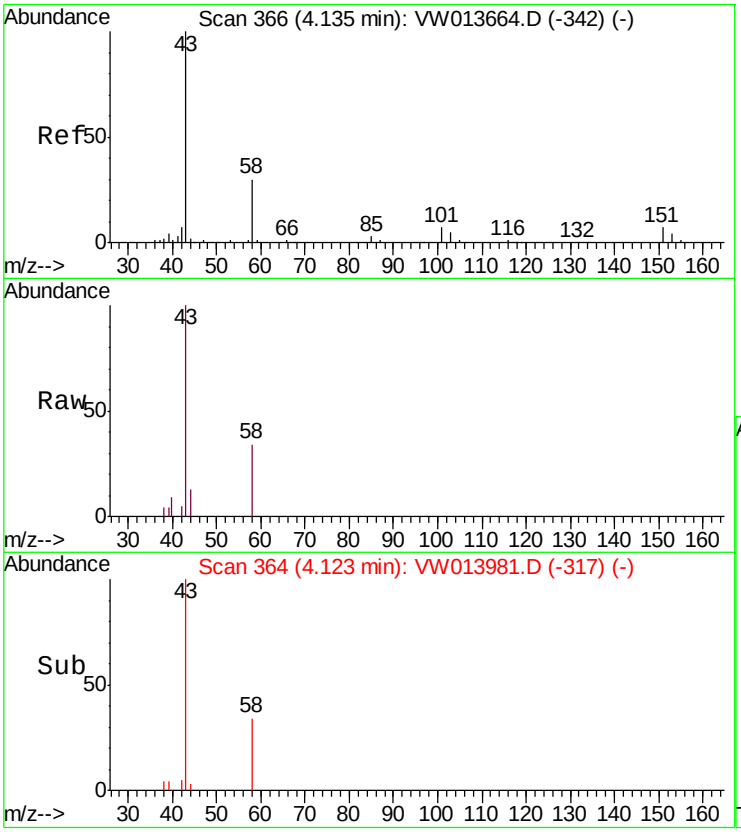




#11
Tert butyl alcohol
Concen: 7.015 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.05 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

Tgt Ion: 59 Resp: 896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |



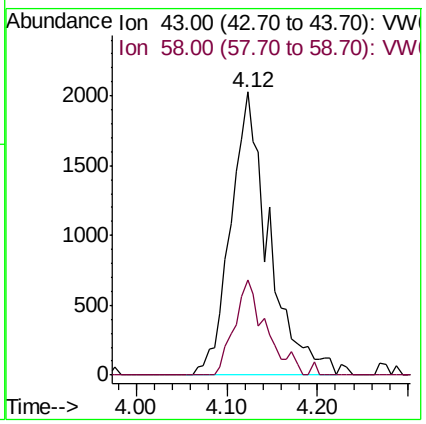


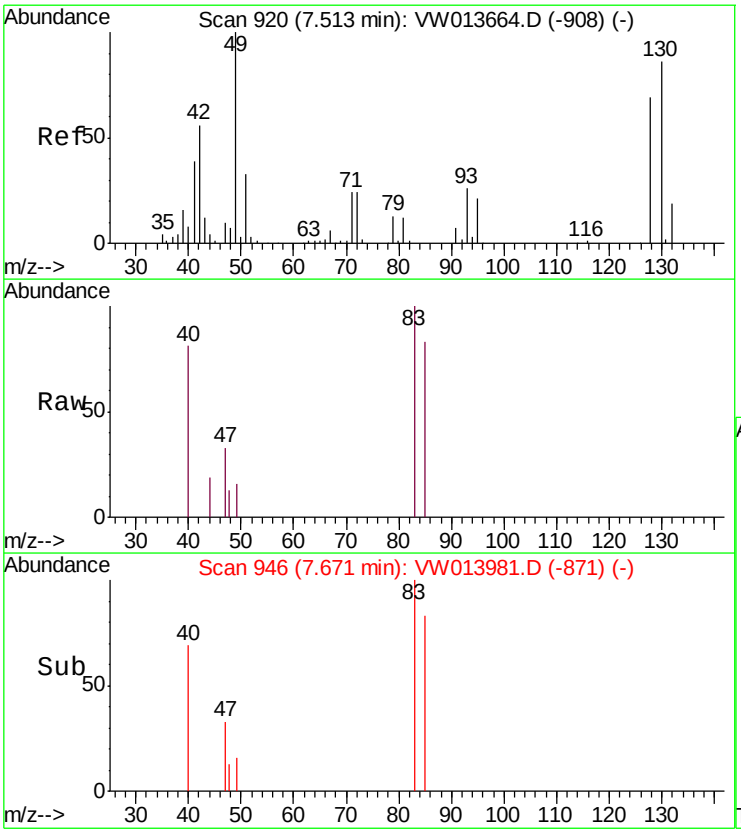

#16
Acetone
Concen: 13.108 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-02-111119

Tgt Ion: 43 Resp: 5947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.8 | 24.1 | 36.1 |

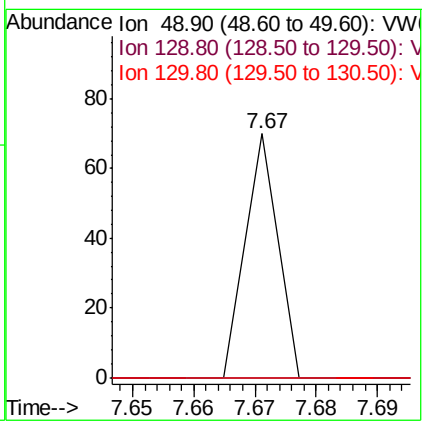


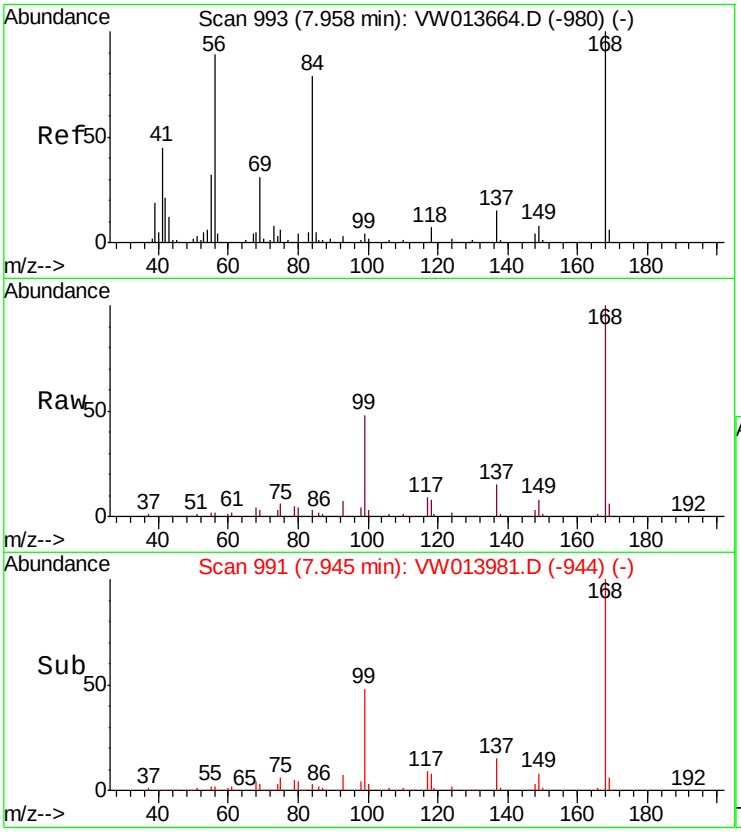




#28
Bromochloromethane
Concen: 1.356 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.16 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

Tgt Ion: 49 Resp: 26

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 0.6 |
| 130 | 0.0 | 67.5 | 101.3# |



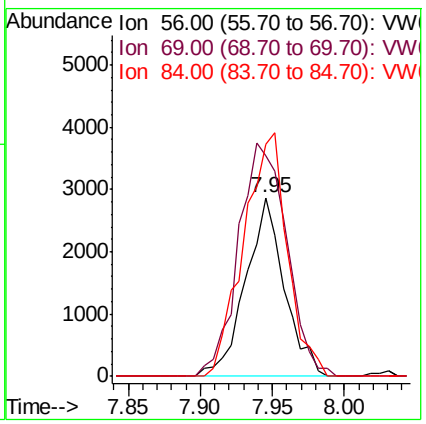


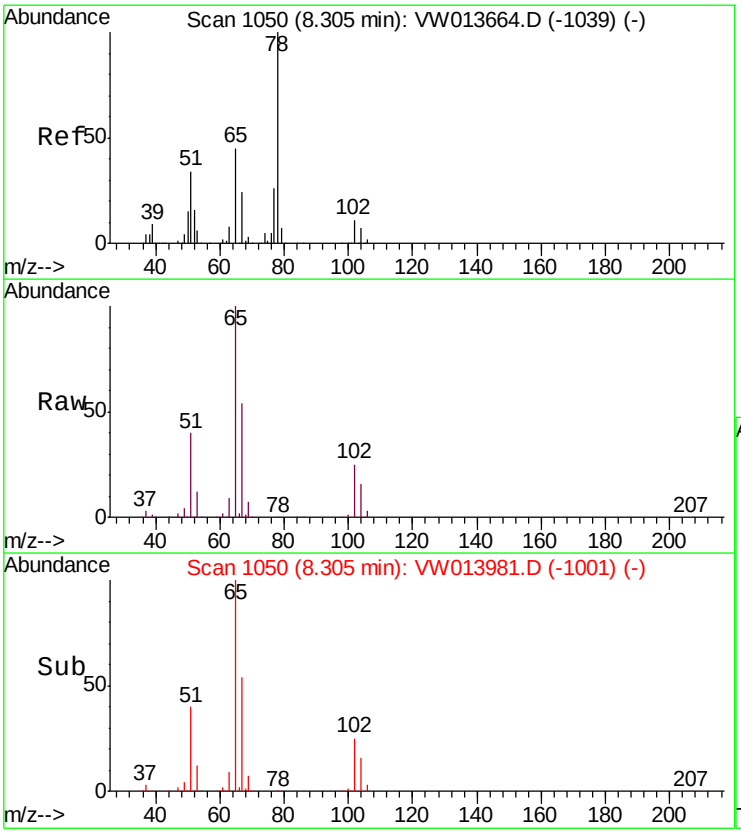

#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :** MSVOA_W
**ClientSampleId :** OK-02-111119

Tgt Ion: 56 Resp: 5346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 123.5 | 27.5 | 41.3# |
| 84 | 129.7 | 70.8 | 106.2# |

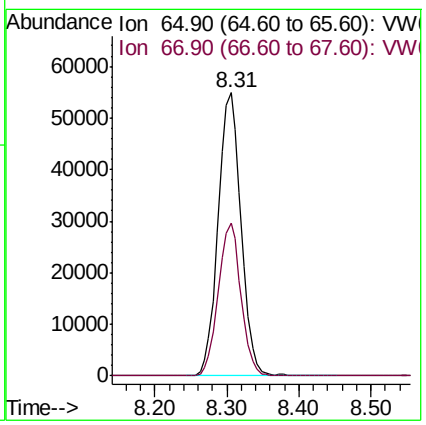


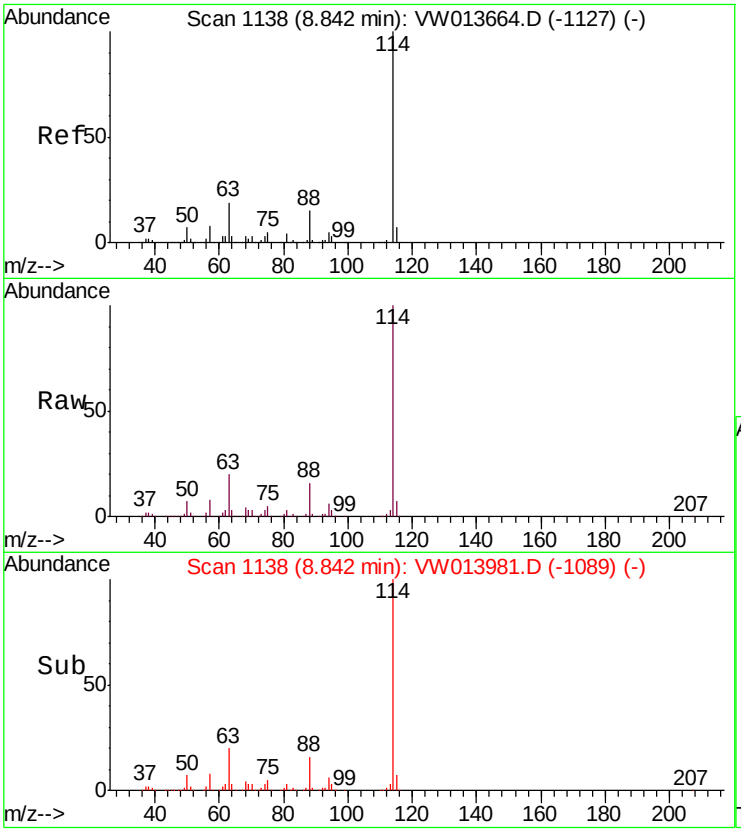




#33
1,2-Dichloroethane-d4
Concen: 56.897 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

Tgt Ion: 65 Resp: 121741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.0 | 0.0 | 109.4 |



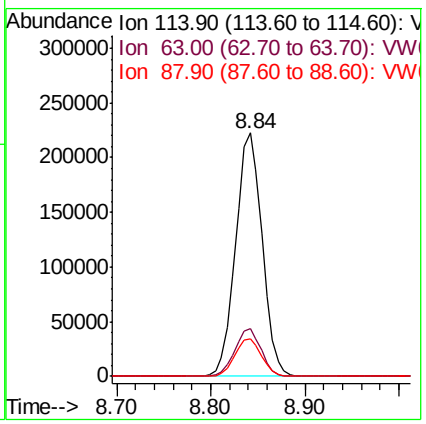


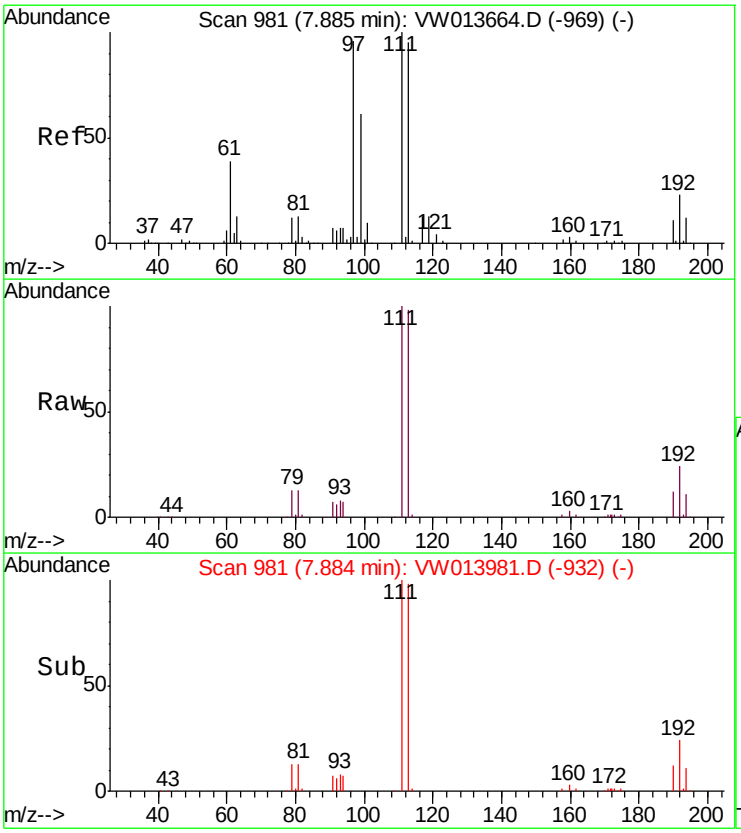

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-02-111119

Tgt Ion:114 Resp: 436839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 37.6 |
| 88 | 15.5 | 0.0 | 30.2 |

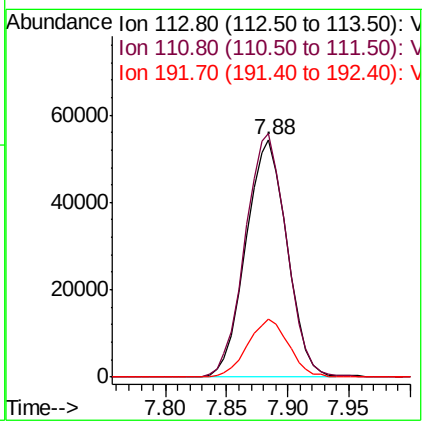


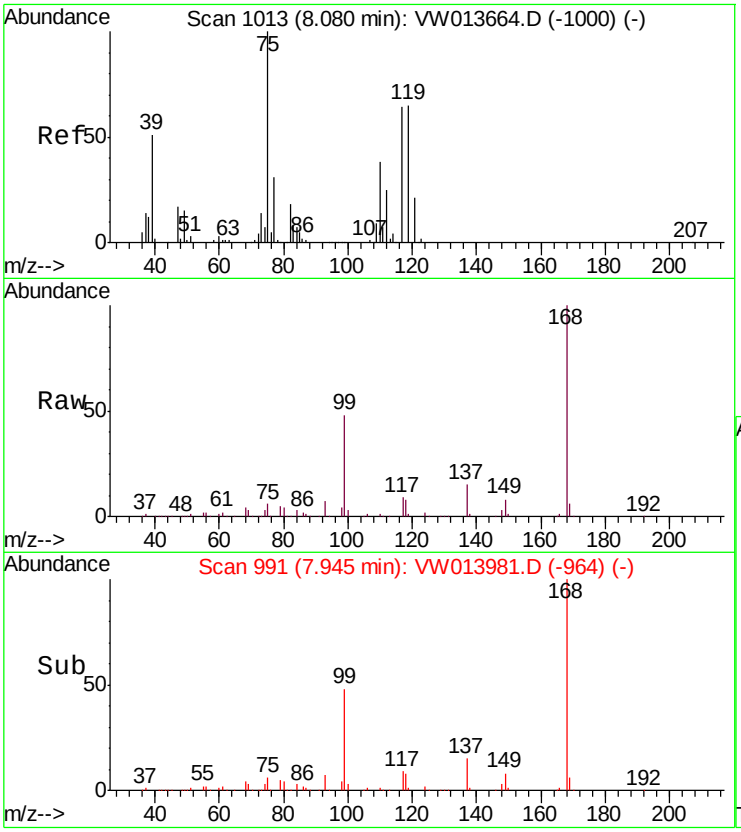




#35
Dibromofluoromethane
Concen: 52.436 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

Tgt Ion:113 Resp: 127278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 83.0 | 124.6 |
| 192 | 24.3 | 19.4 | 29.2 |



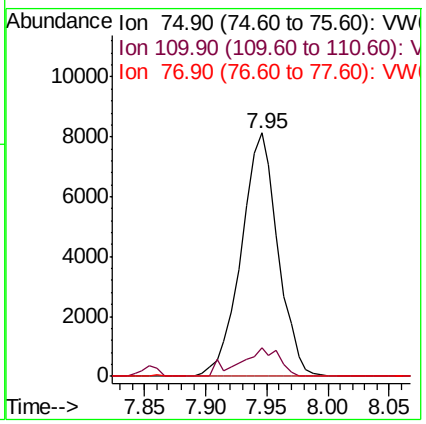


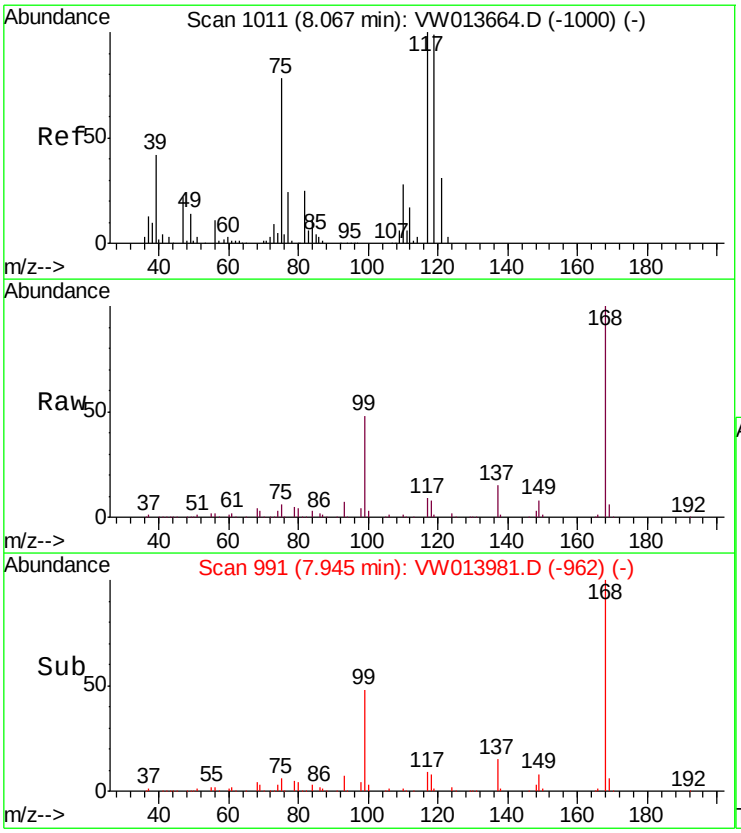

#36
1,1-Dichloropropene
Concen: 4.167 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-02-111119

Tgt Ion: 75 Resp: 16953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.0 | 18.7 | 56.1# |
| 77 | 0.0 | 25.4 | 38.0# |

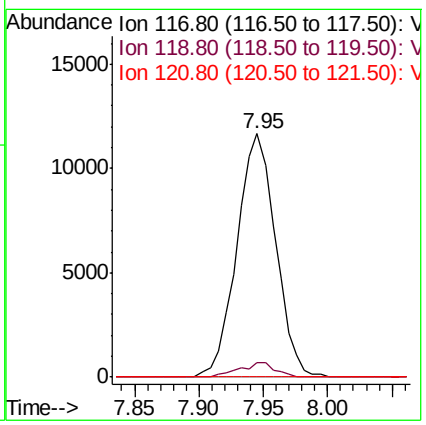


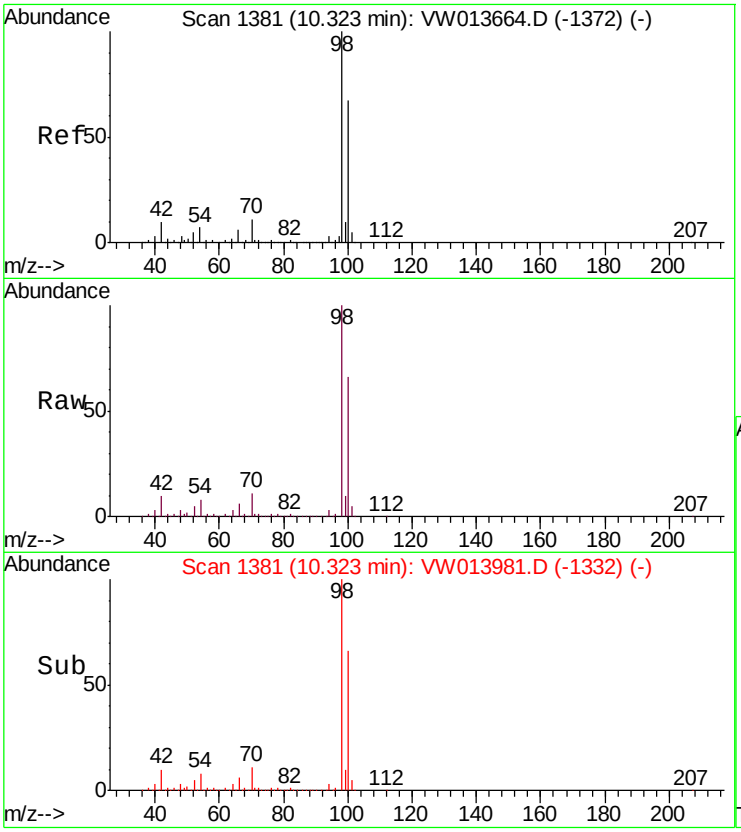




#38
Carbon Tetrachloride
Concen: 6.620 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

Tgt Ion:117 Resp: 24253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.8 | 79.0 | 118.4# |
| 121 | 0.0 | 24.5 | 36.7# |



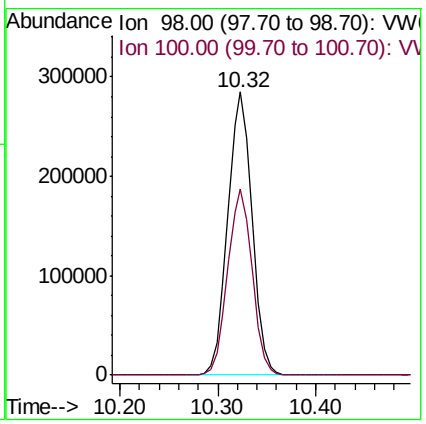


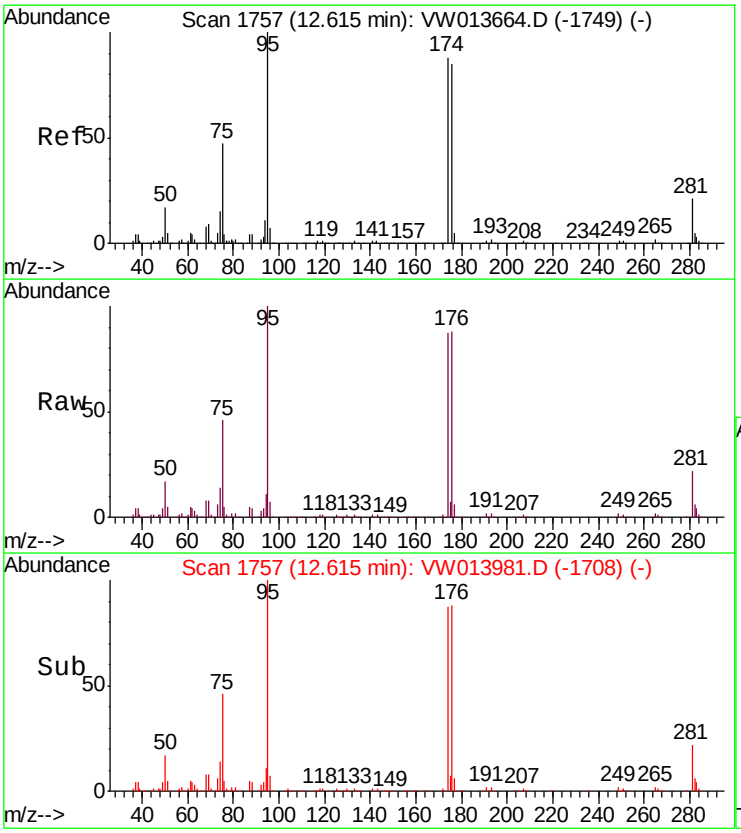

#50
Toluene-d8
Concen: 49.662 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :** MSVOA_W
**ClientSampleId :** OK-02-111119

Tgt Ion: 98 Resp: 491194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 53.4 | 80.0 |

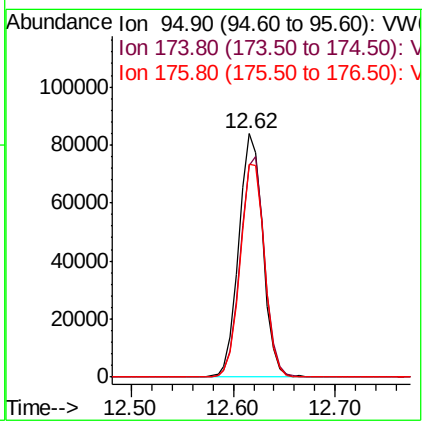


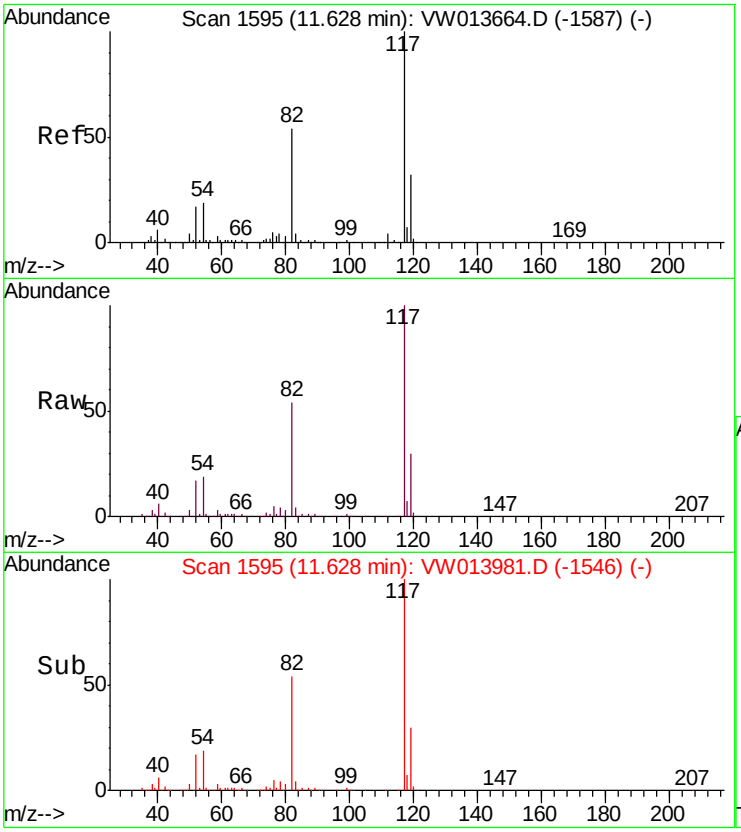




#62
4-Bromofluorobenzene
Concen: 40.673 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

Tgt Ion: 95 Resp: 136215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.1 | 0.0 | 183.6 |
| 176 | 88.8 | 0.0 | 178.0 |



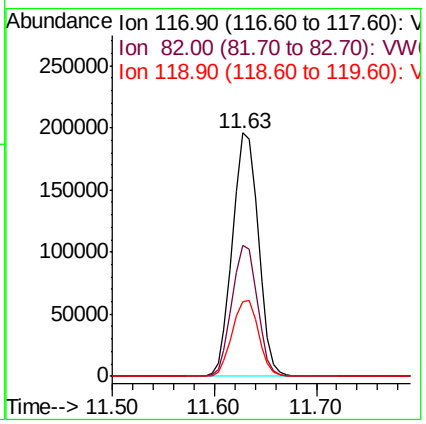


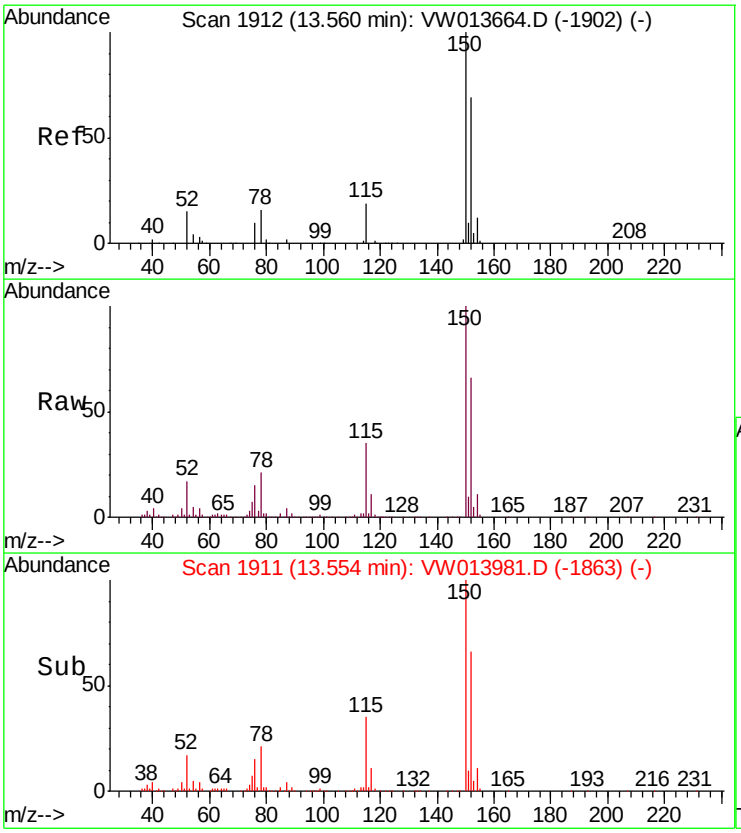

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :** MSVOA_W
**ClientSampleId :** OK-02-111119

Tgt Ion:117 Resp: 343325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 43.6 | 65.4 |
| 119 | 30.5 | 25.4 | 38.2 |

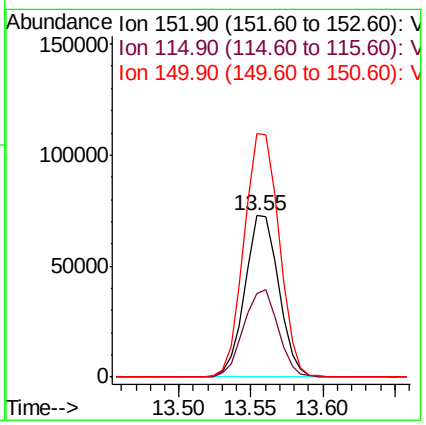


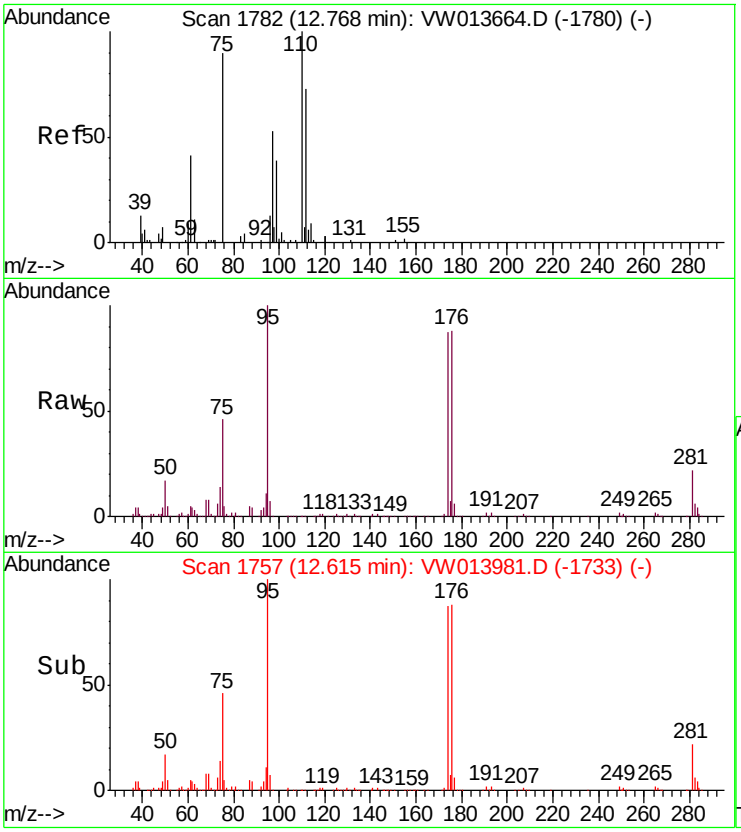




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

Tgt Ion:152 Resp: 118376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.3 | 27.4 | 82.2 |
| 150 | 155.7 | 0.0 | 345.4 |



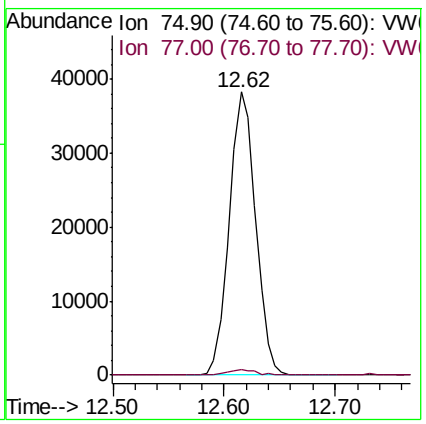


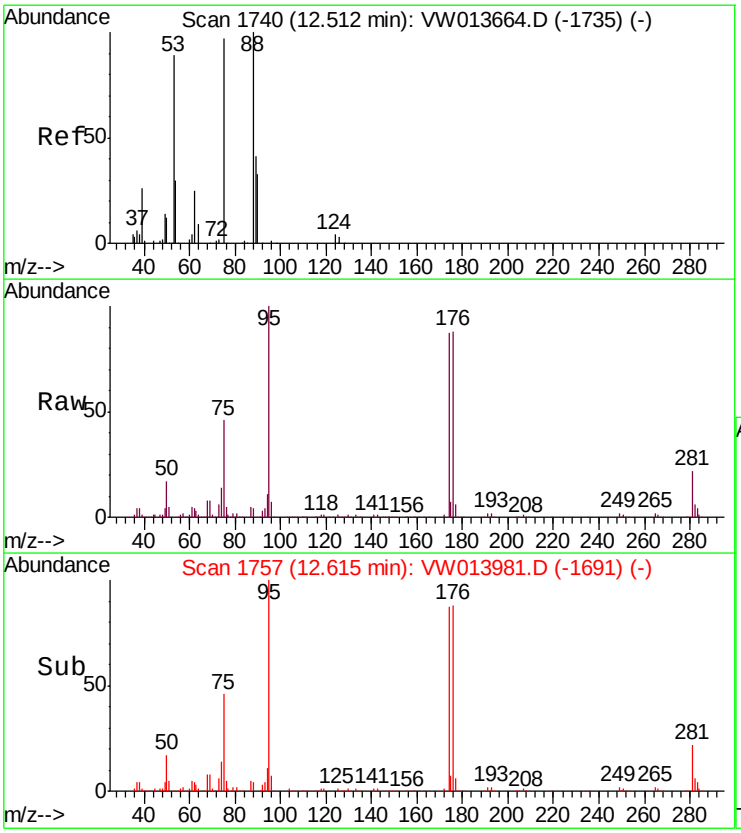

#76
1,2,3-Trichloropropane
Concen: 73.654 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-02-111119

Tgt Ion: 75 Resp: 62614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 2.3 | 0.0 | 0.0# |

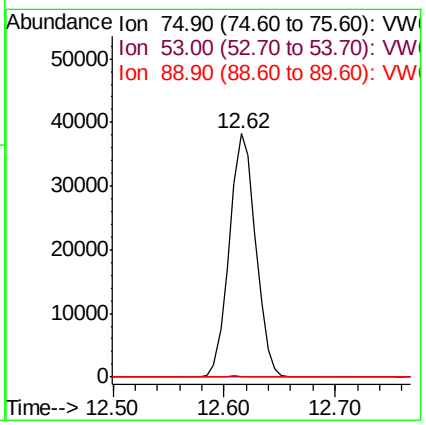


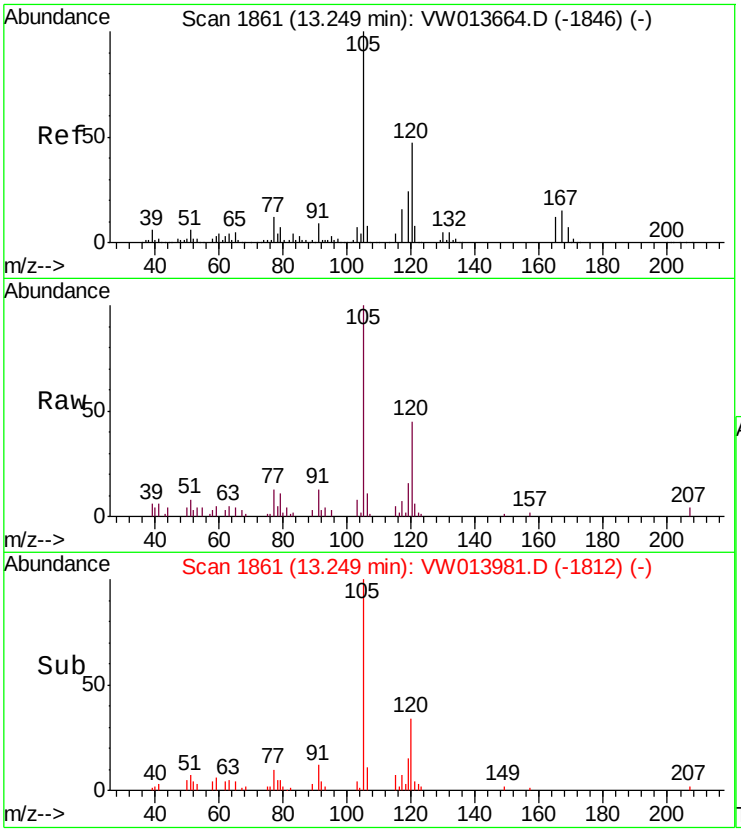




#81
trans-1,4-Dichloro-2-butene
Concen: 139.197 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

Tgt Ion: 75 Resp: 62614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 71.7 | 107.5# |
| 89 | 0.3 | 35.8 | 53.8# |






#84
1,2,4-Trimethylbenzene
Concen: 1.334 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013981.D
Acq: 12 Nov 2019 17:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
OK-02-111119

Tgt Ion:105 Resp: 9444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 23.5 | 70.5 |