Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090719\

Quantitation Report (Not Reviewed)

Data File : VX012187.D
Acq On : 07 Sep 2019 20:18
Operator : SY/SP
Sample : K4602-16
Misc : 3.47g/5.0mL/MSVOA_X/SOIL
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PAR-D3-(0)

Quant Time: Sep 08 07:45:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 154838 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 271348 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 233548 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 96333 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 108021 | 50.56 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.12% | | | |
| 35) Dibromofluoromethane | 5.48 | 113 | 79624 | 47.72 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.44% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 318667 | 52.04 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.08% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 122483 | 43.01 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 86.02% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Diethyl Ether | 2.17 | 74 | 990 | 1.341 | ug/l | 81 |
| 11) Tert butyl alcohol | 3.02 | 59 | 805 | 3.923 | ug/l # | 84 |
| 13) Acrolein | 2.28 | 56 | 132 | Below Cal | # | 12 |
| 16) Acetone | 2.43 | 43 | 2098 | 4.108 | ug/l # | 85 |
| 20) Methylene Chloride | 2.84 | 84 | 11863 | 5.785 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.13 | 42 | 3878 | 9.902 | ug/l | 94 |
| 31) Cyclohexane | 5.64 | 56 | 4199 | 1.603 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.64 | 75 | 14523 | 6.077 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 17853 | 7.089 | ug/l # | 15 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 64518 | 54.814 | ug/l # | 32 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 64518 | 129.588 | ug/l # | 10 |

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

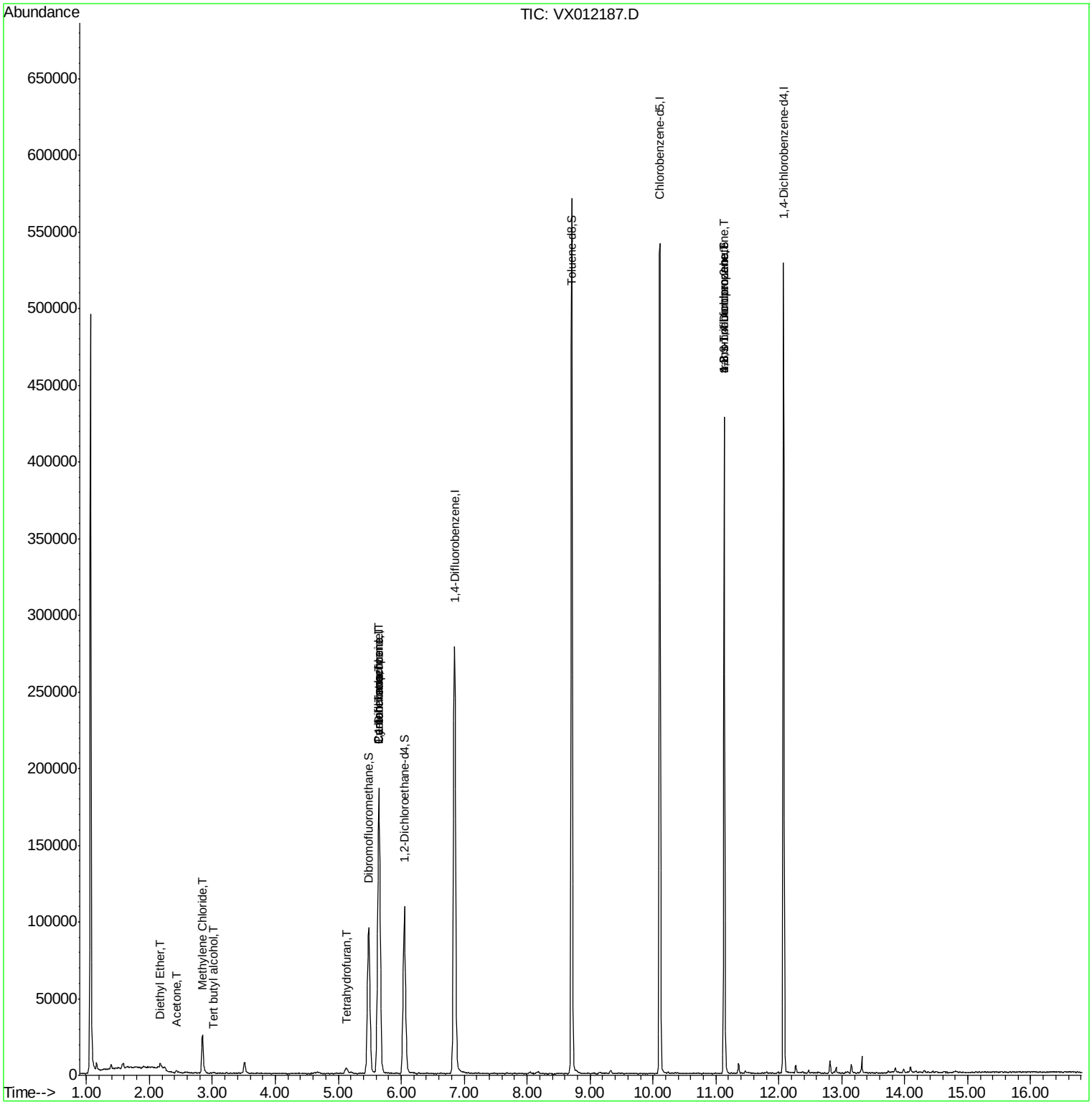
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090719\

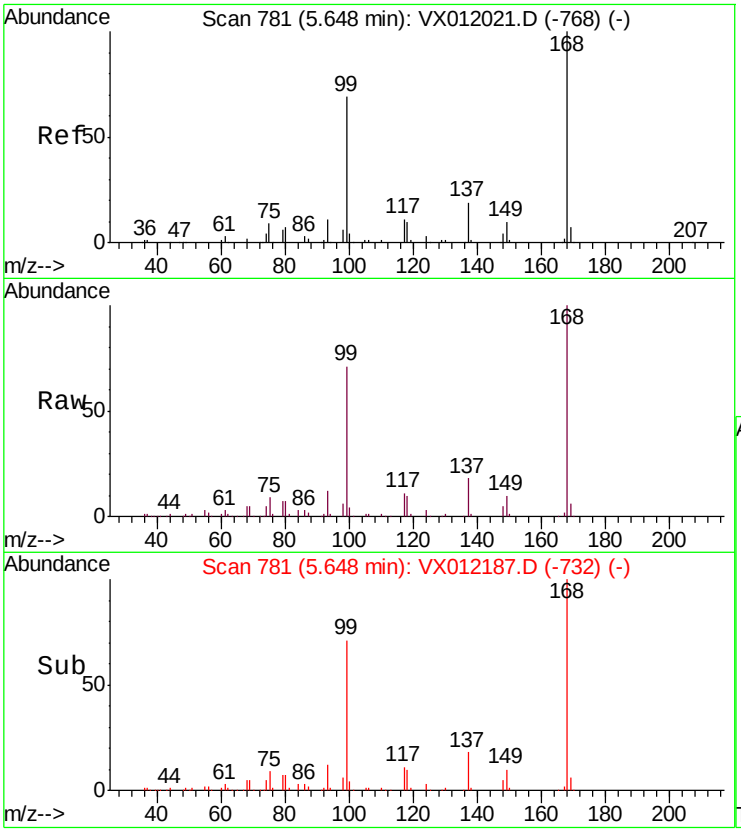
Quantitation Report (Not Reviewed)

Data File : VX012187.D
Acq On : 07 Sep 2019 20:18
Operator : SY/SP
Sample : K4602-16
Misc : 3.47g/5.0mL/MSVOA_X/SOIL
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Quant Time: Sep 08 07:45:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration



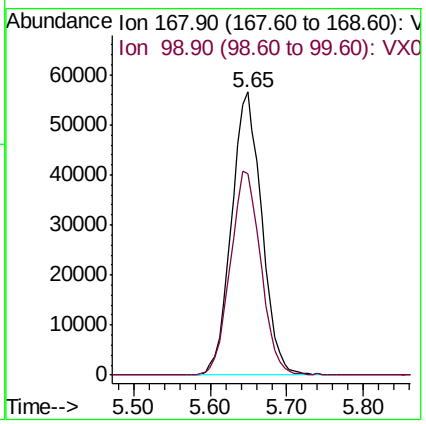


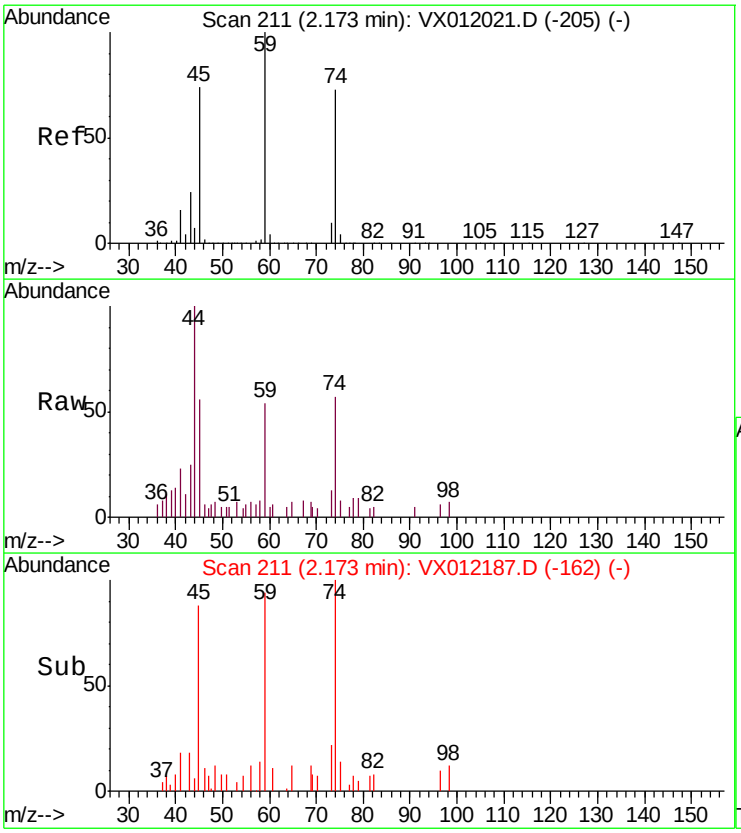

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Tgt Ion:168 Resp: 154838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.3 | 37.6 | 56.4# |

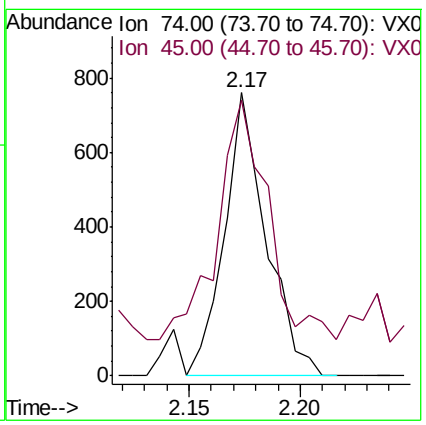


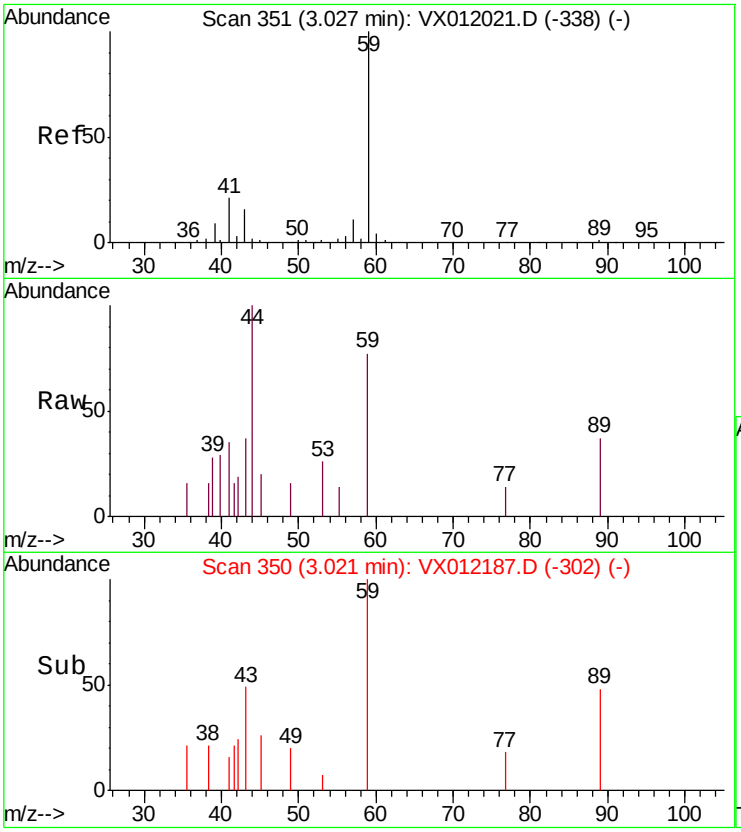




#8
Diethyl Ether
Concen: 1.341 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

Tgt Ion: 74 Resp: 990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.0 | 45.9 | 137.6 |



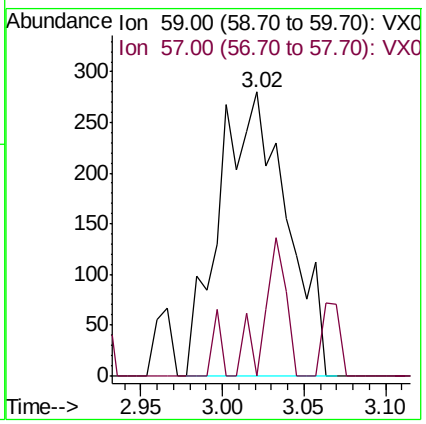


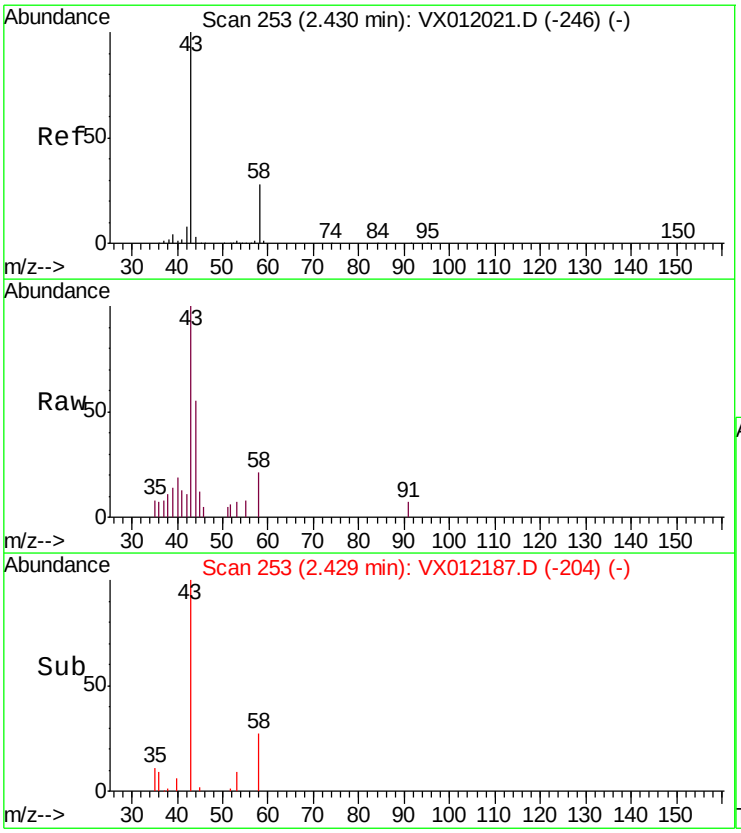

#11
Tert butyl alcohol
Concen: 3.923 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Tgt Ion: 59 Resp: 805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 15.7 | 7.9 | 11.9# |

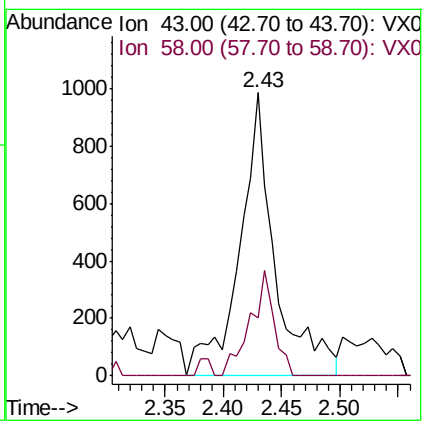


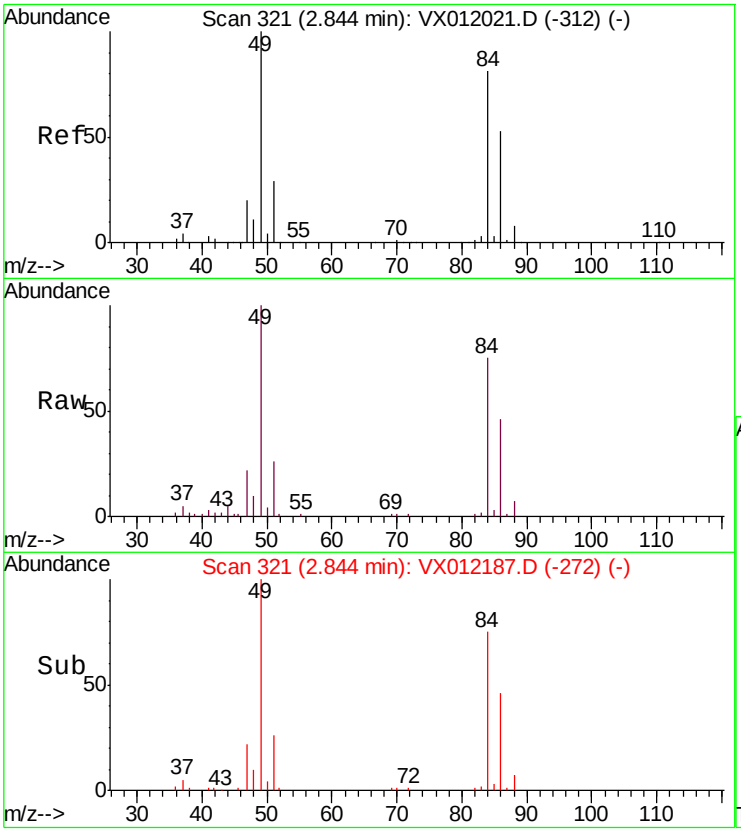




#16
Acetone
Concen: 4.108 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

Tgt Ion: 43 Resp: 2098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 20.7 | 22.8 | 34.2# |



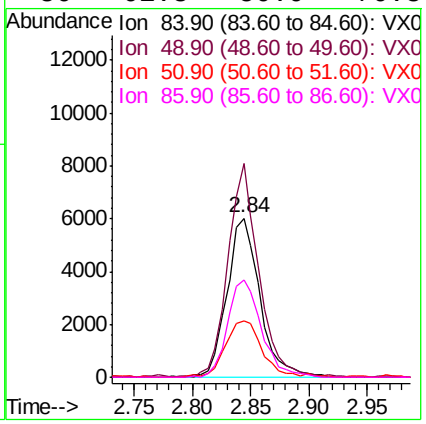


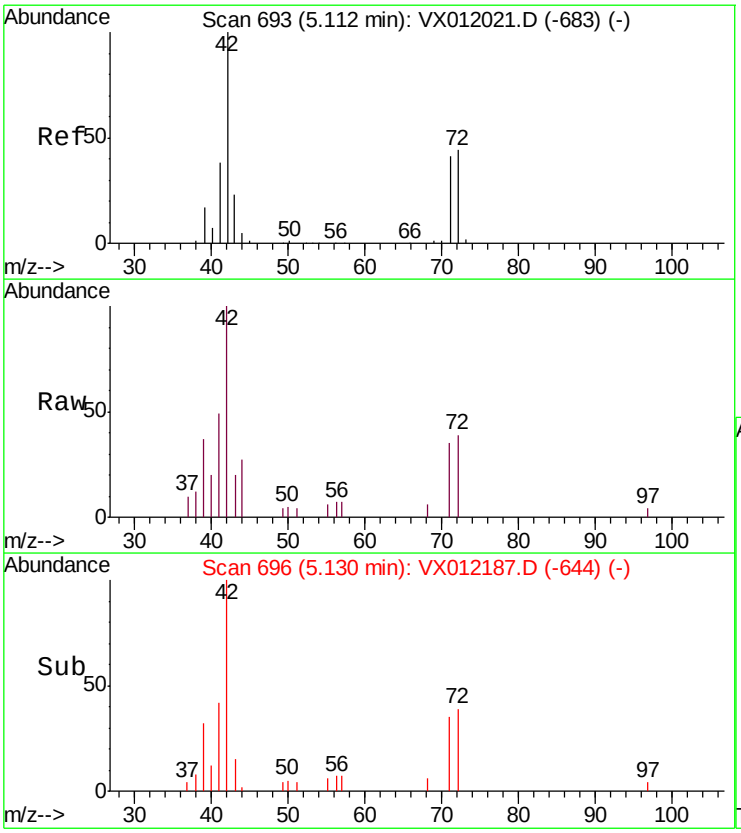

#20
Methylene Chloride
Concen: 5.785 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Tgt Ion: 84 Resp: 11863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 133.3 | 95.8 | 143.8 |
| 51 | 35.5 | 28.6 | 43.0 |
| 86 | 61.3 | 50.9 | 76.3 |

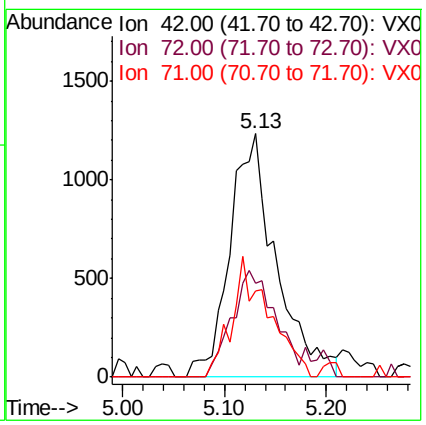


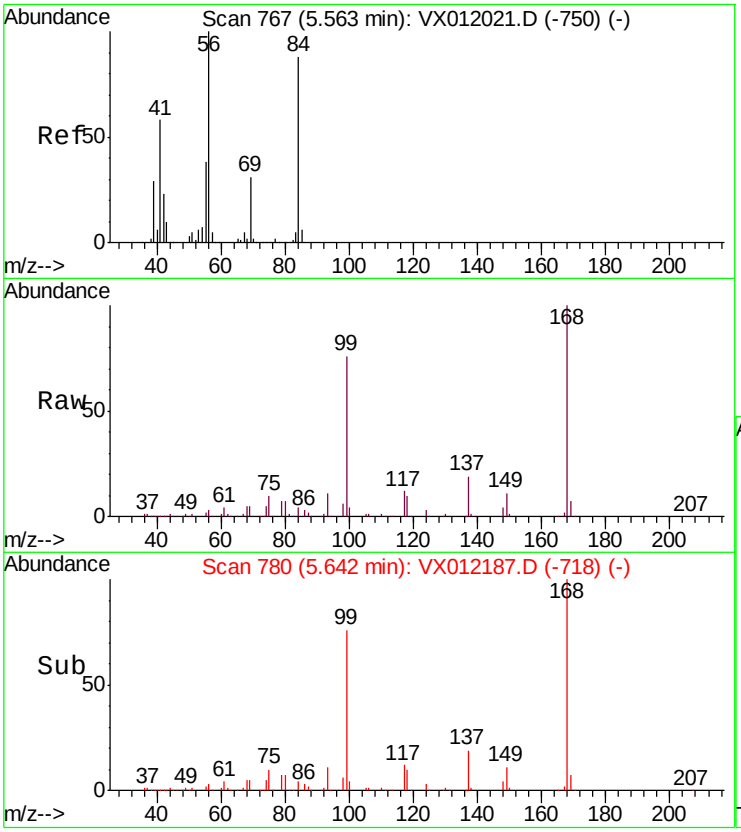




#29
Tetrahydrofuran
Concen: 9.902 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

Tgt Ion: 42 Resp: 3878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.1 | 37.0 | 55.4 |
| 71 | 39.8 | 33.8 | 50.8 |



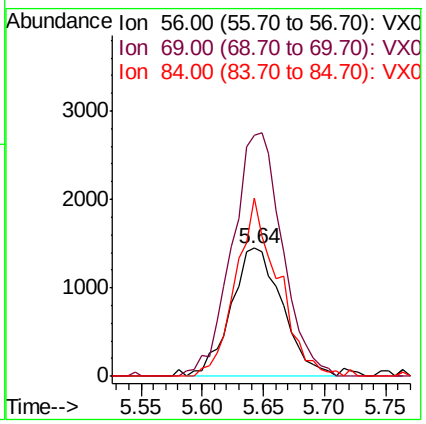


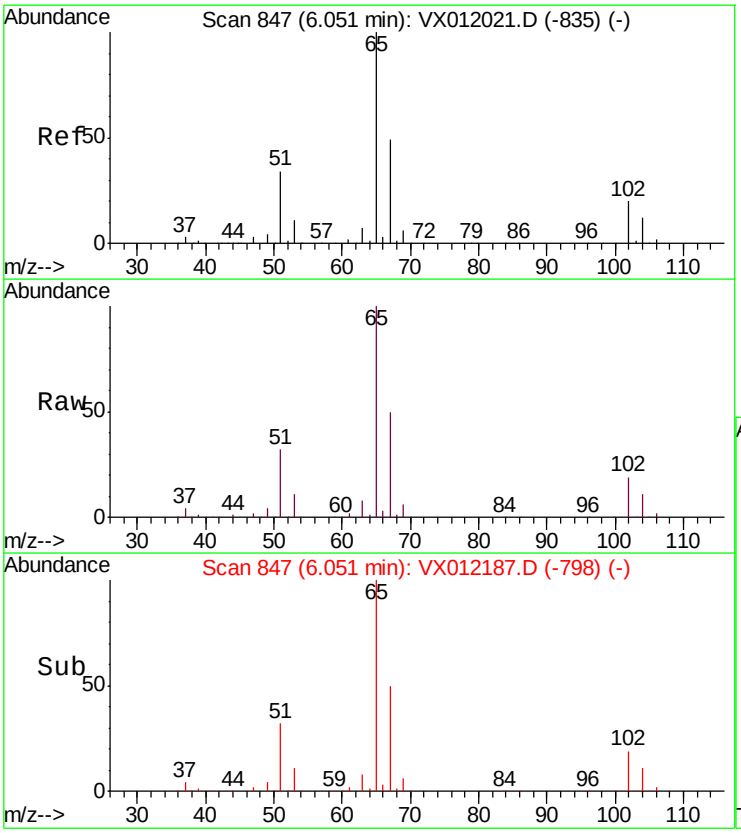

#31
Cyclohexane
Concen: 1.603 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Tgt Ion: 56 Resp: 4199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 188.9 | 25.7 | 38.5# |
| 84 | 139.7 | 70.3 | 105.5# |

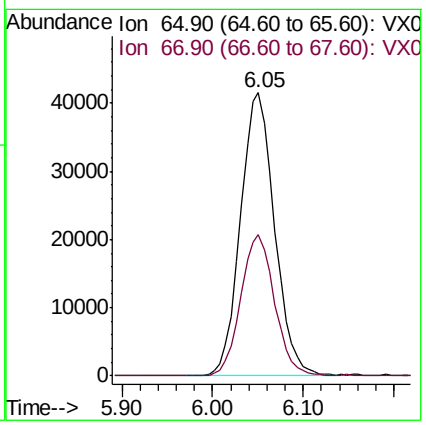


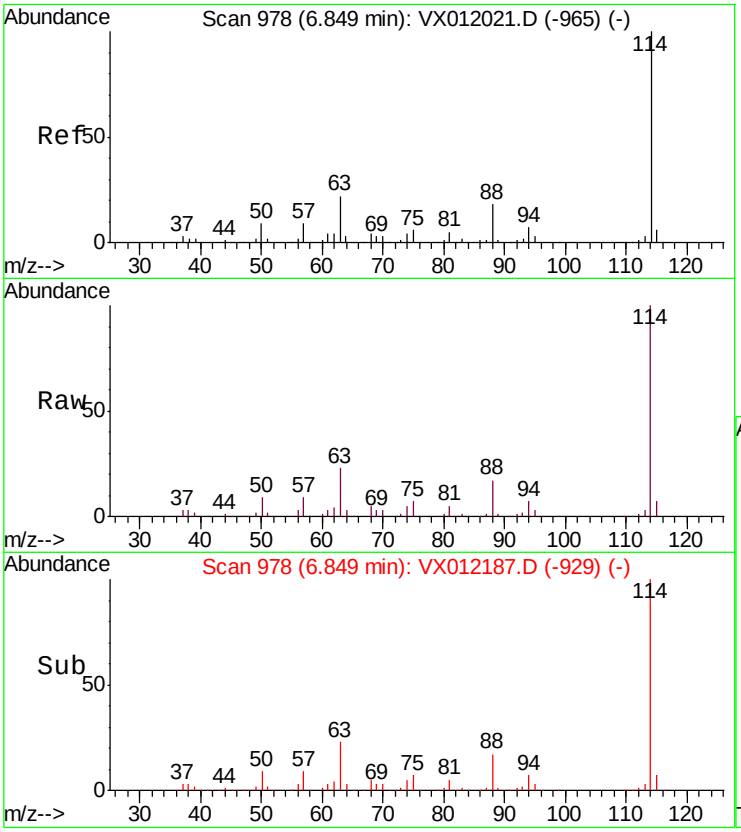




#33
1,2-Dichloroethane-d4
Concen: 50.561 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

Tgt Ion: 65 Resp: 108021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 102.0 |



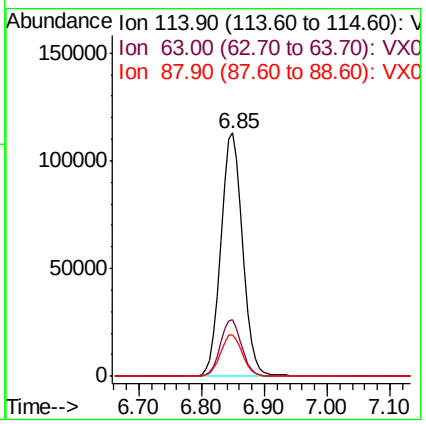


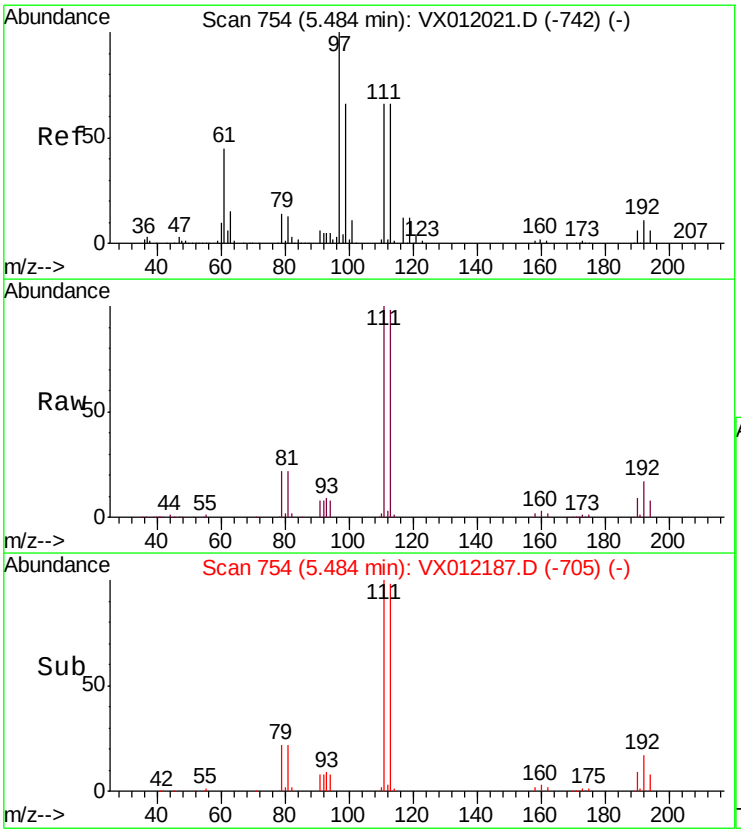

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Tgt Ion:114 Resp: 271348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.1 | 0.0 | 37.4 |
| 88 | 17.2 | 0.0 | 29.6 |

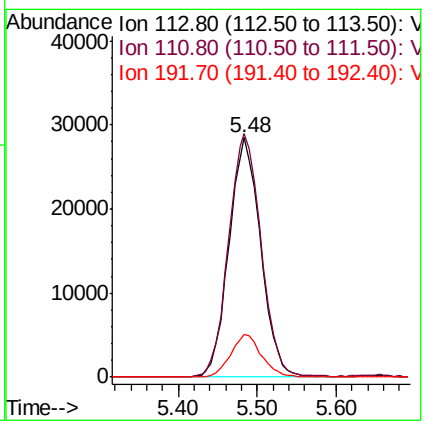


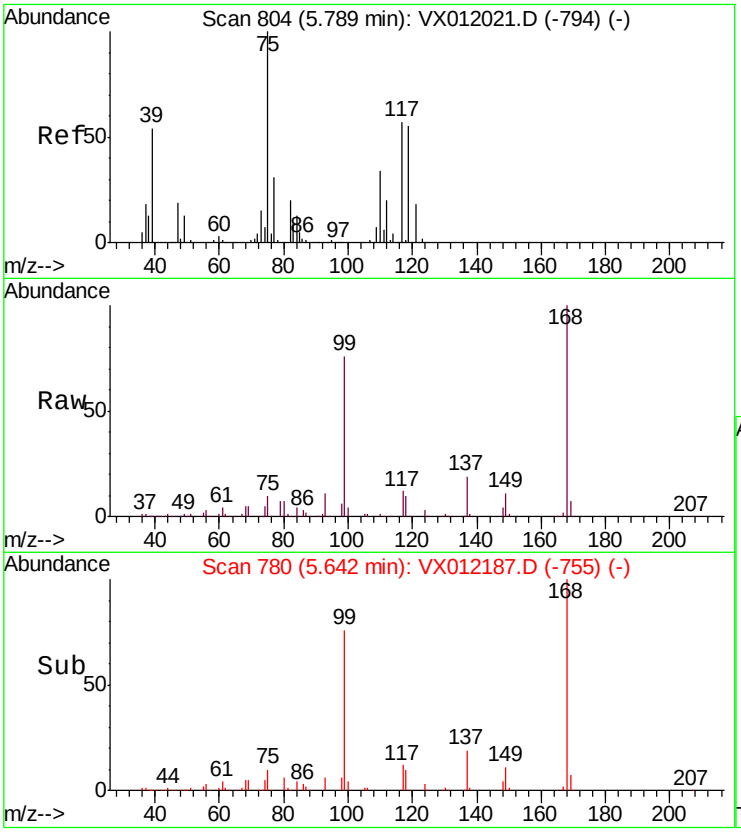




#35
Dibromofluoromethane
Concen: 47.716 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

Tgt Ion:113 Resp: 79624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.1 | 81.7 | 122.5 |
| 192 | 17.2 | 22.5 | 33.7# |



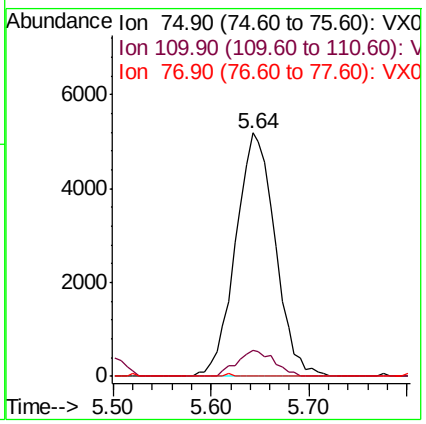


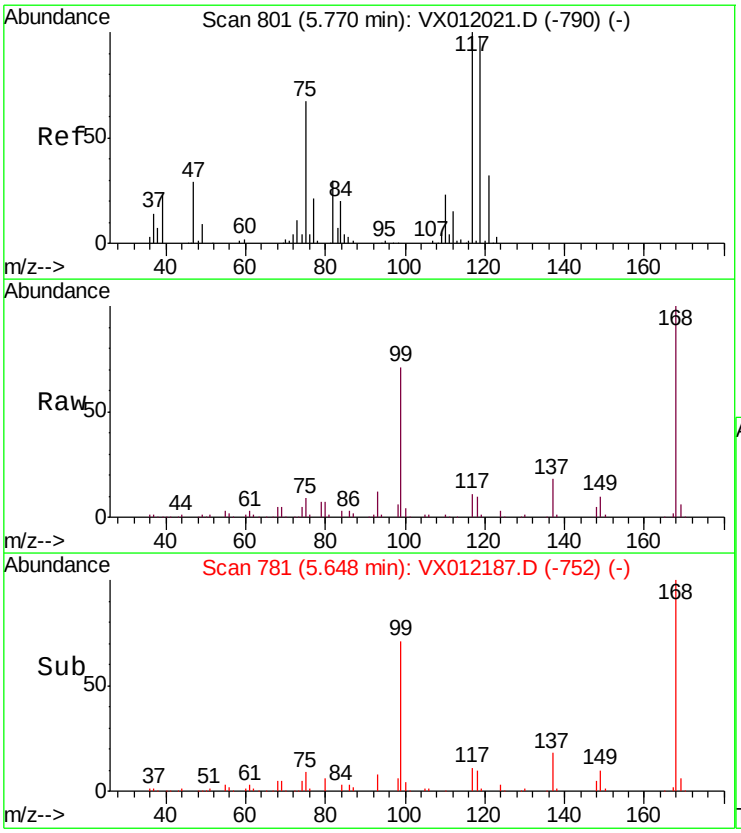

#36
1,1-Dichloropropene
Concen: 6.077 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.15 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Tgt Ion: 75 Resp: 14523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.1 | 19.5 | 58.5# |
| 77 | 0.0 | 24.6 | 37.0# |

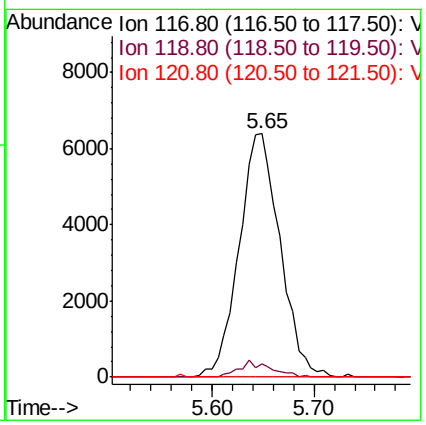


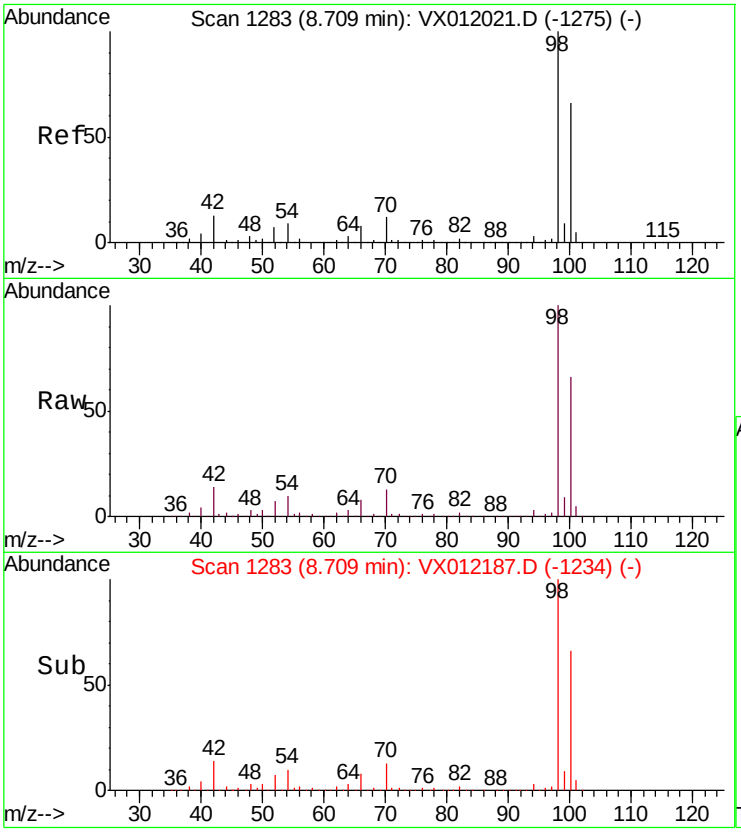




#38
Carbon Tetrachloride
Concen: 7.089 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

Tgt Ion:117 Resp: 17853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.5 | 78.3 | 117.5# |
| 121 | 0.0 | 24.2 | 36.2# |



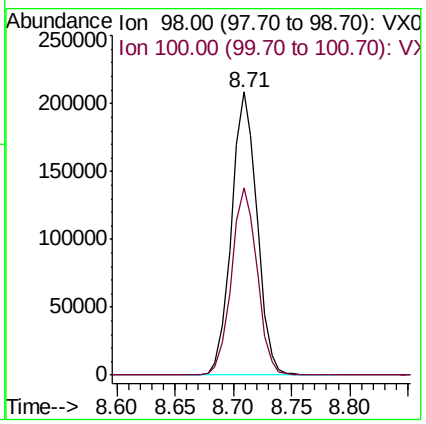


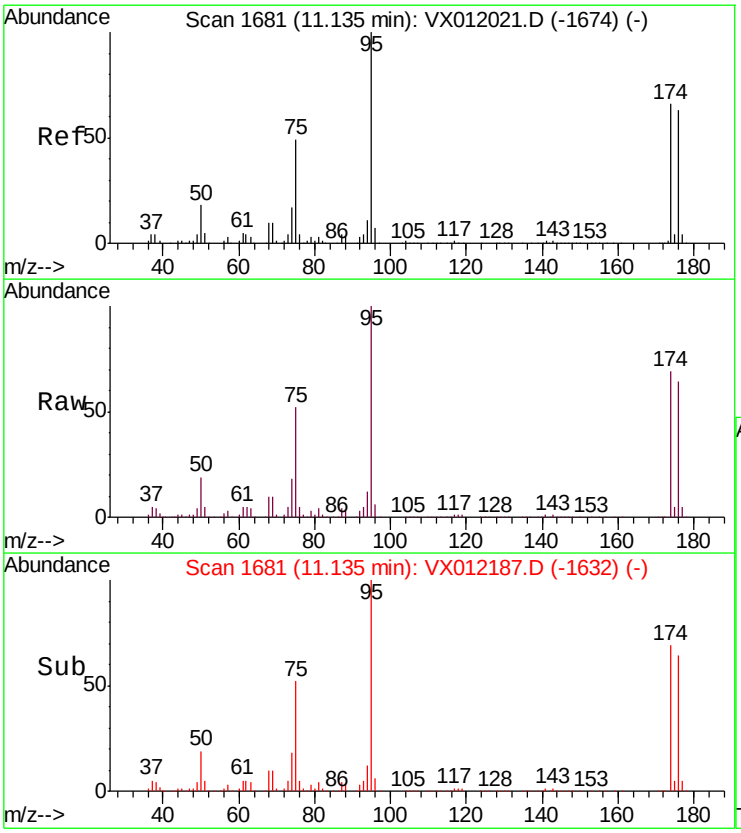

#50
Toluene-d8
Concen: 52.041 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Tgt Ion: 98 Resp: 318667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.3 | 79.9 |

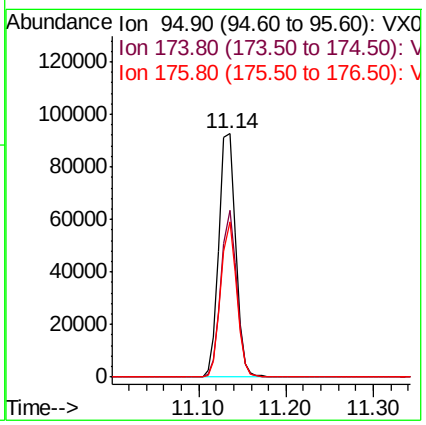


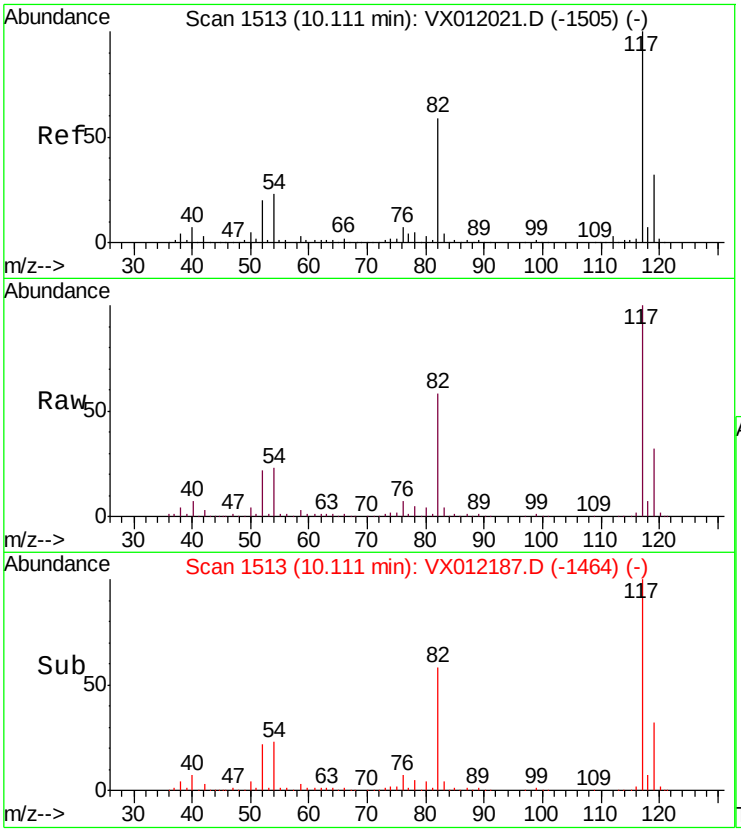




#62
4-Bromofluorobenzene
Concen: 43.010 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

Tgt Ion: 95 Resp: 122483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.6 | 0.0 | 205.4 |
| 176 | 60.5 | 0.0 | 201.8 |



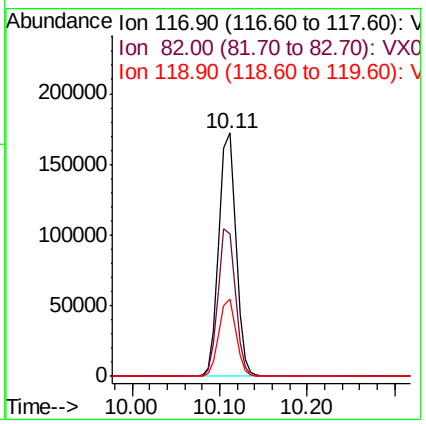


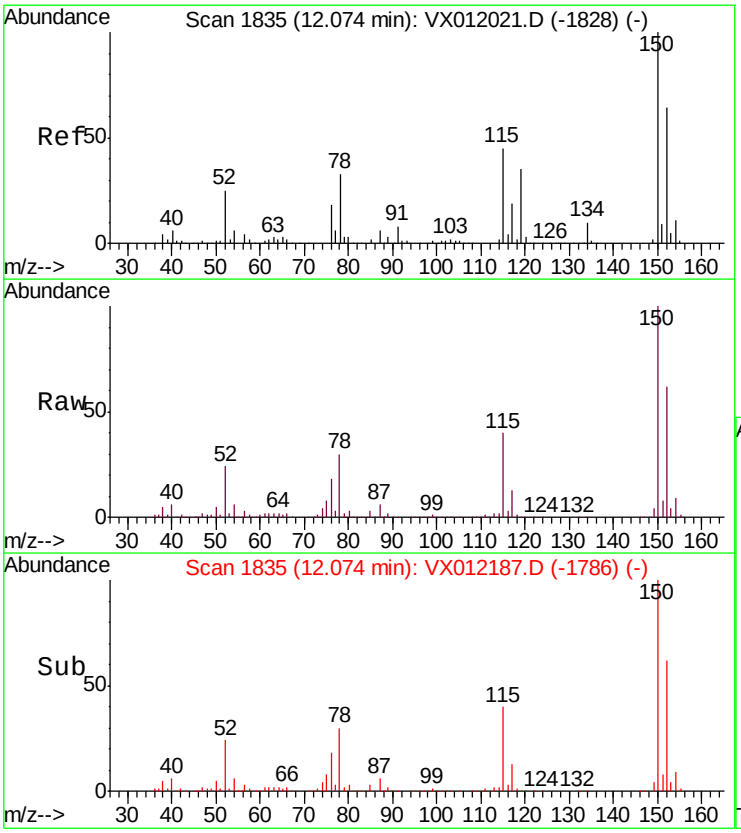

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PAR-D3-(0)

Tgt Ion:117 Resp: 233548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.5 | 39.4 | 59.0 |
| 119 | 31.5 | 26.1 | 39.1 |




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012187.D
Acq: 07 Sep 2019 20:18

Tgt Ion:152 Resp: 96333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.7 | 36.4 | 109.3 |
| 150 | 160.2 | 0.0 | 341.2 |