Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009851.D
Acq On : 23 May 2019 12:24
Operator : JC/SP
Sample : K2974-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** BP-VPB202-EB-20190520

Quant Time: May 23 12:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 172871 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 275423 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 242138 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 101099 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 119171 | 50.50 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.00% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 85384 | 49.31 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.62% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 348451 | 49.85 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.70% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 113722 | 44.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.54% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 1120 | 0.515 | ug/l | 100 |
| 5) Bromomethane | 1.64 | 94 | 442 | 0.347 | ug/l # | 60 |
| 10) Methyl Iodide | 2.51 | 142 | 248 | 4.714 | ug/l # | 42 |
| 11) Tert butyl alcohol | 3.03 | 59 | 2153 | 3.941 | ug/l # | 75 |
| 16) Acetone | 2.45 | 43 | 12220 | 9.644 | ug/l | 92 |
| 18) Methyl Acetate | 2.78 | 43 | 627 | 0.208 | ug/l | 95 |
| 20) Methylene Chloride | 2.85 | 84 | 590 | 0.288 | ug/l | 96 |
| 25) 2-Butanone | 4.71 | 43 | 1257 | 0.638 | ug/l # | 53 |
| 28) Bromochloromethane | 5.03 | 49 | 21 | Below Cal | # | 20 |
| 29) Tetrahydrofuran | 5.16 | 42 | 1399 | 1.104 | ug/l # | 74 |
| 31) Cyclohexane | 5.66 | 56 | 4230 | 1.212 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 13855 | 5.413 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 16763 | 7.208 | ug/l # | 15 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 59447 | 25.349 | ug/l # | 34 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 59447 | 64.859 | ug/l # | 10 |

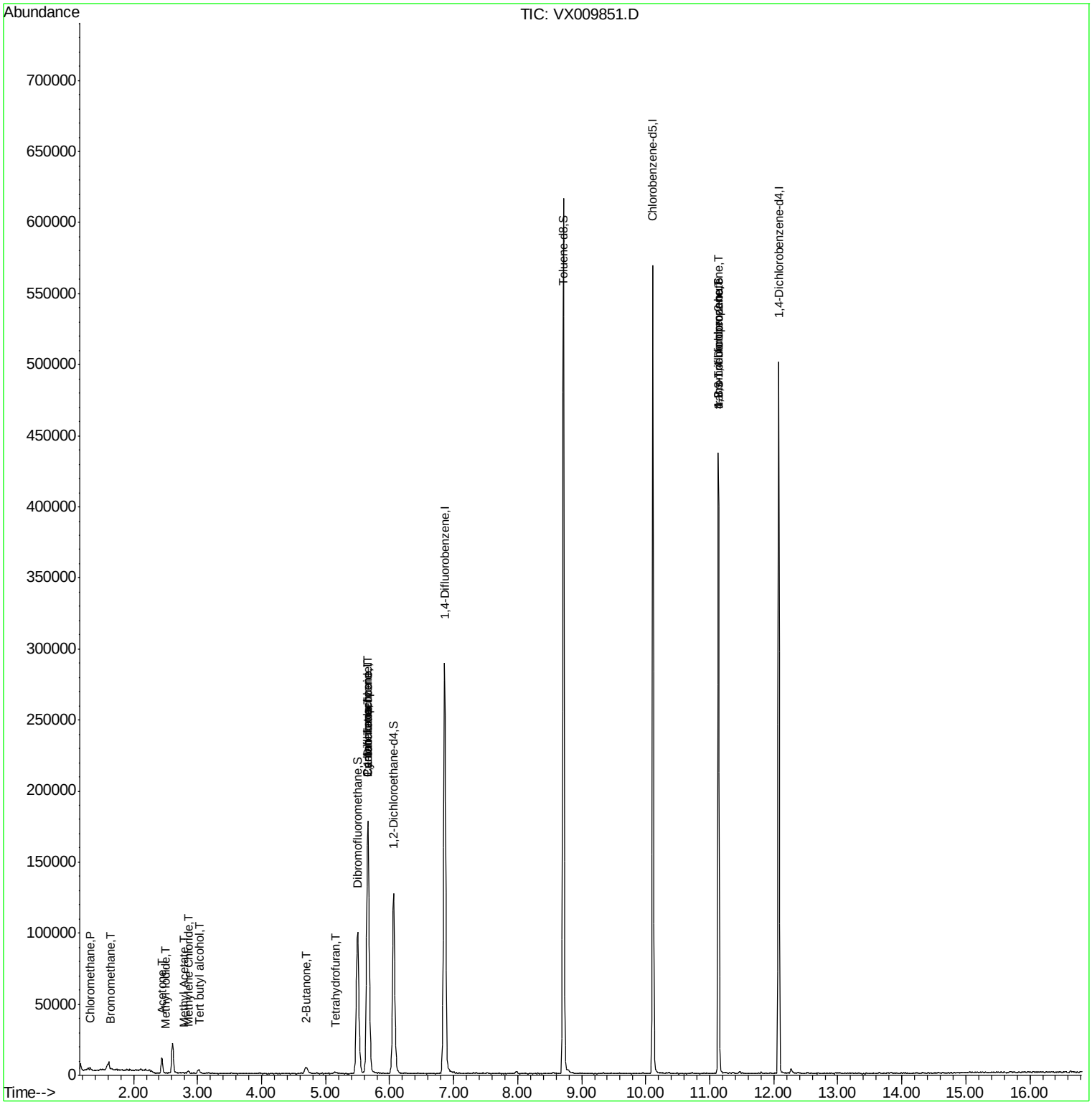
(#) = qualifier out of range (m) = manual integration (+) = signals summed

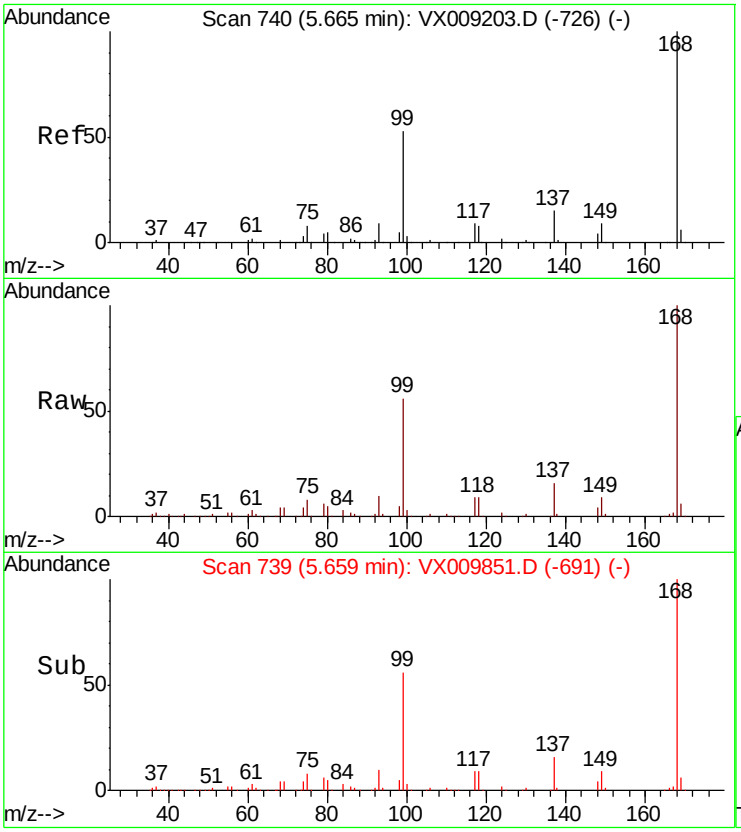
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052319\
Data File : VX009851.D
Acq On : 23 May 2019 12:24
Operator : JC/SP
Sample : K2974-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Quant Time: May 23 12:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration



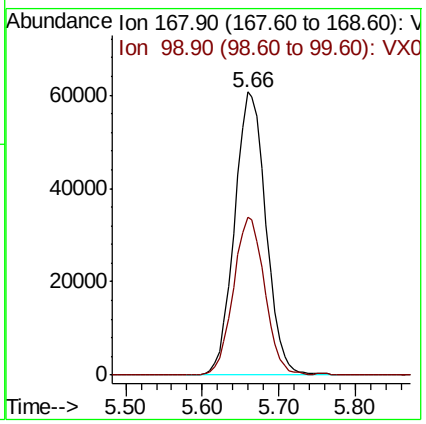


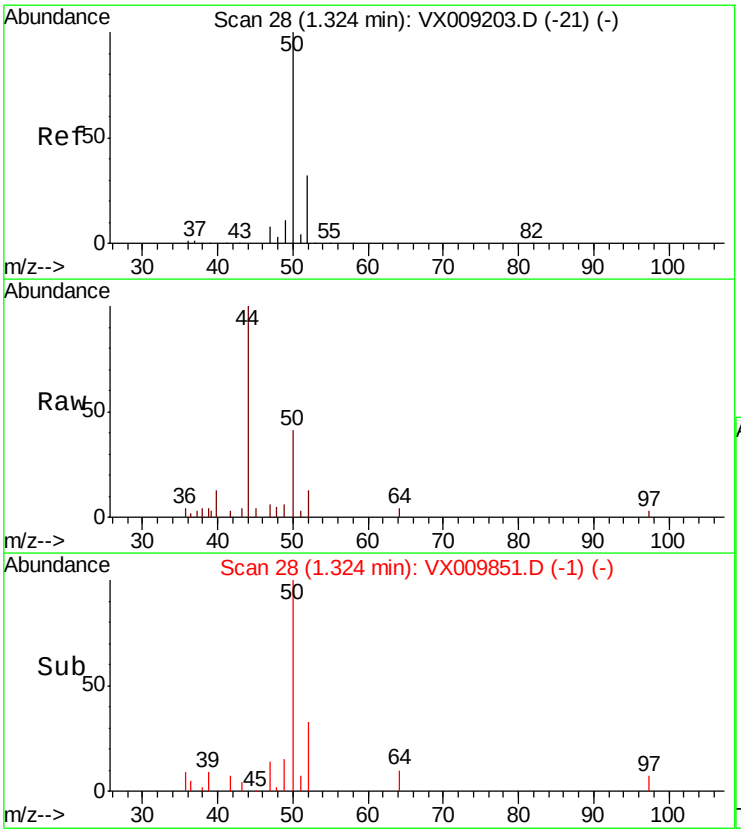

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion:168 Resp: 172871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.6 | 42.3 | 63.5 |

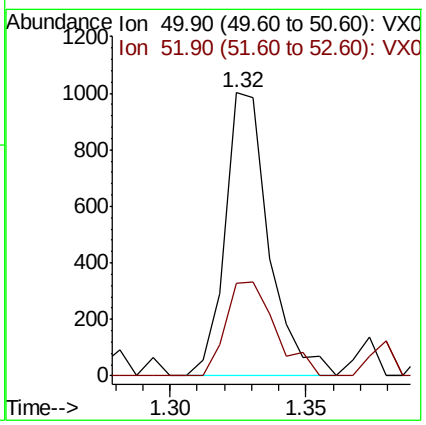


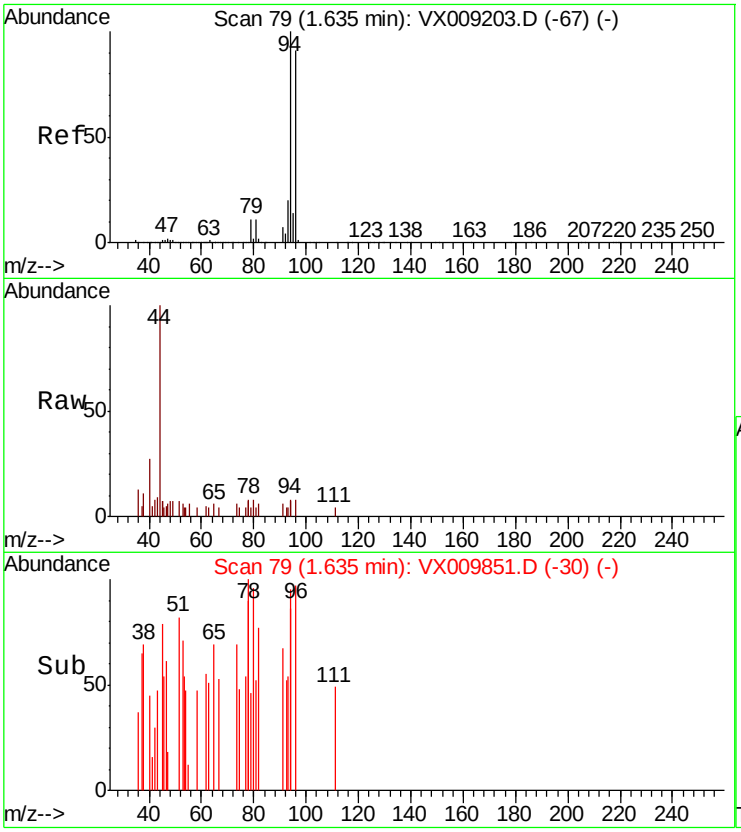




#3
Chloromethane
Concen: 0.515 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion: 50 Resp: 1120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 25.9 | 38.9 |



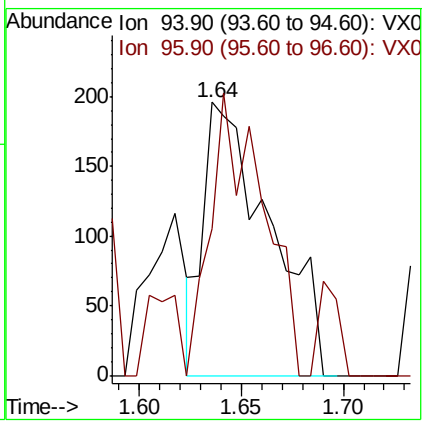


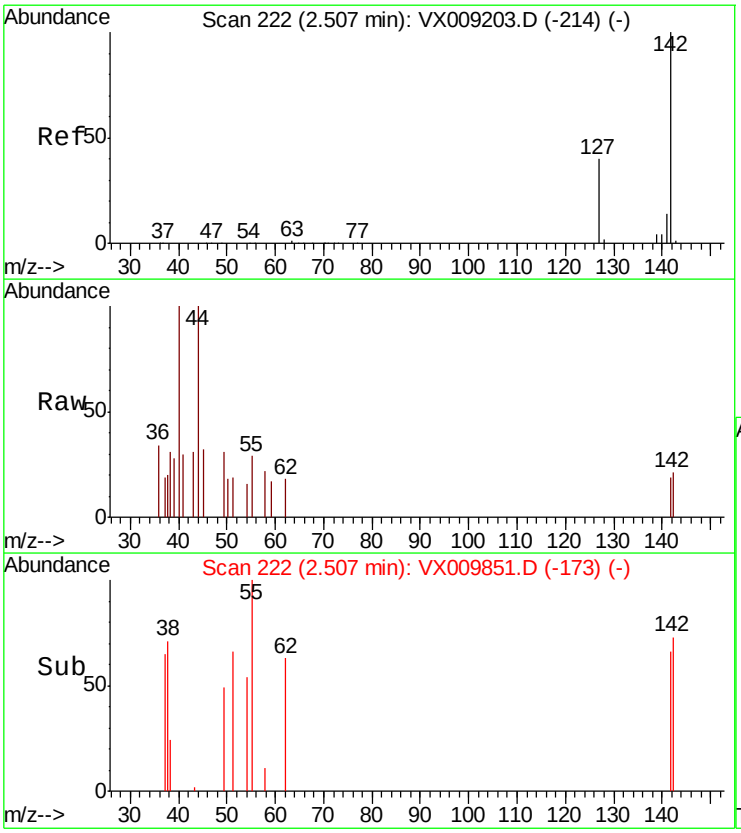

#5
Bromomethane
Concen: 0.347 ug/l
RT: 1.64 min Scan# 79
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion: 94 Resp: 442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 53.6 | 73.0 | 109.6# |

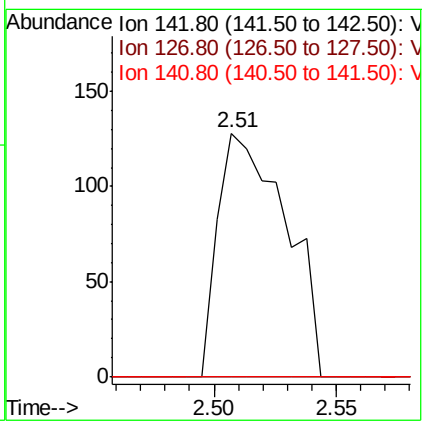


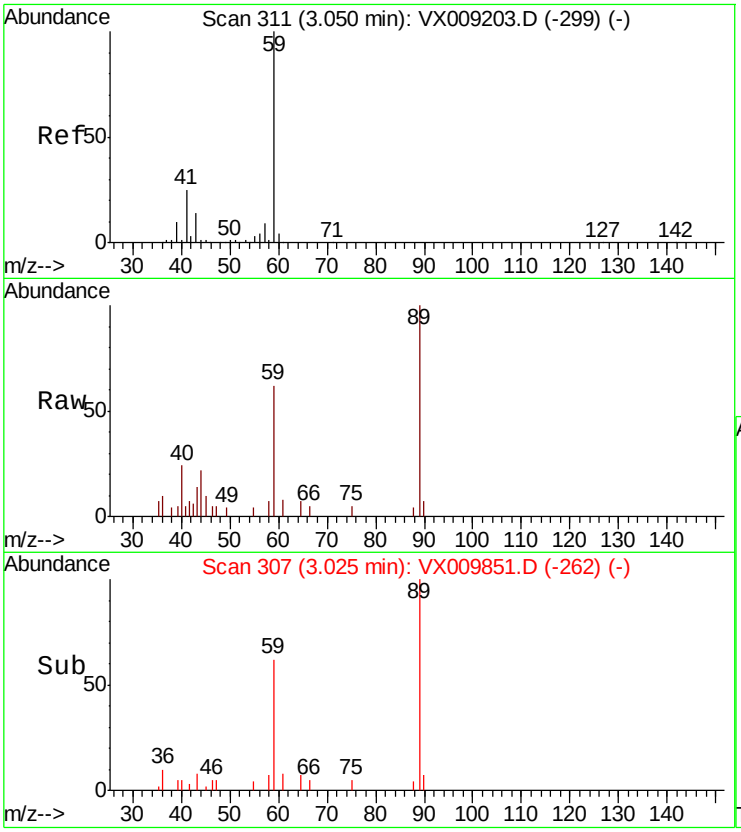




#10
Methyl Iodide
Concen: 4.714 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion:142 Resp: 248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 32.7 | 49.1# |
| 141 | 0.0 | 11.5 | 17.3# |



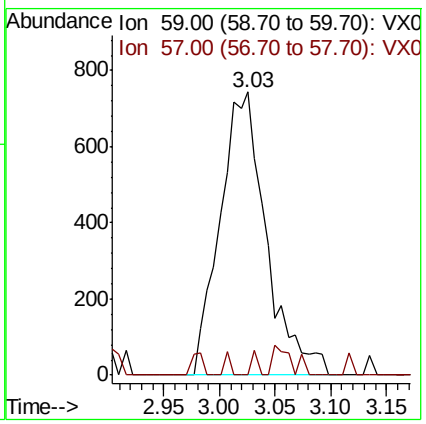


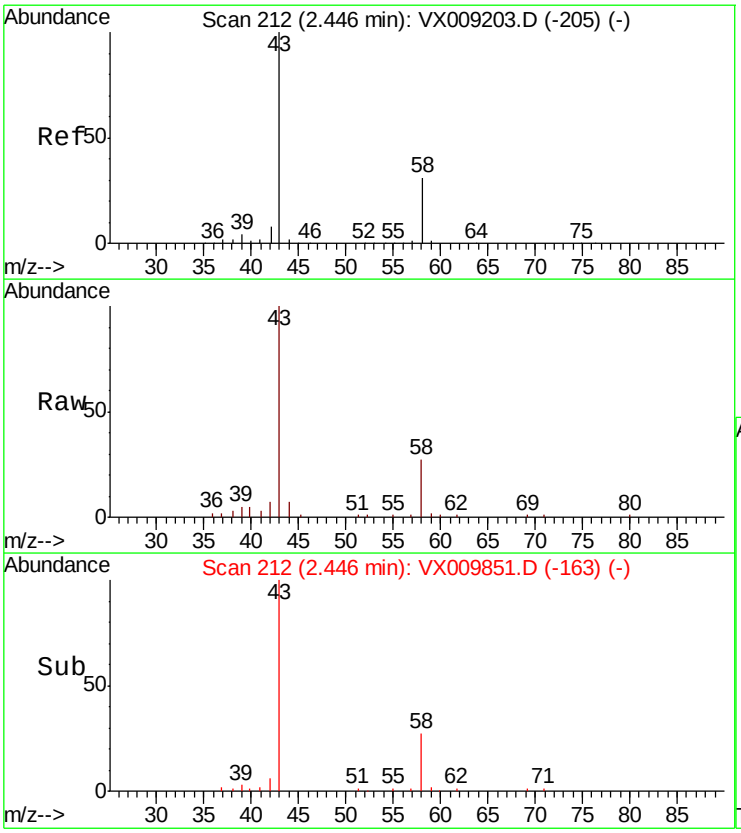

#11
Tert butyl alcohol
Concen: 3.941 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion: 59 Resp: 2153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 1.1 | 8.2 | 12.2# |

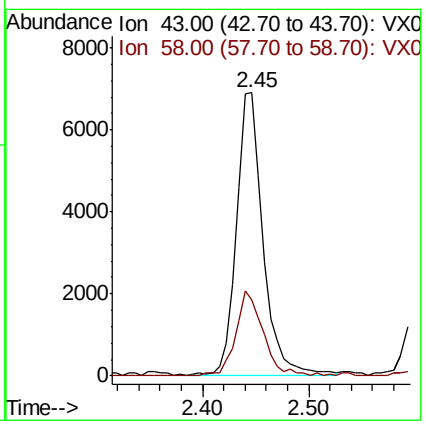


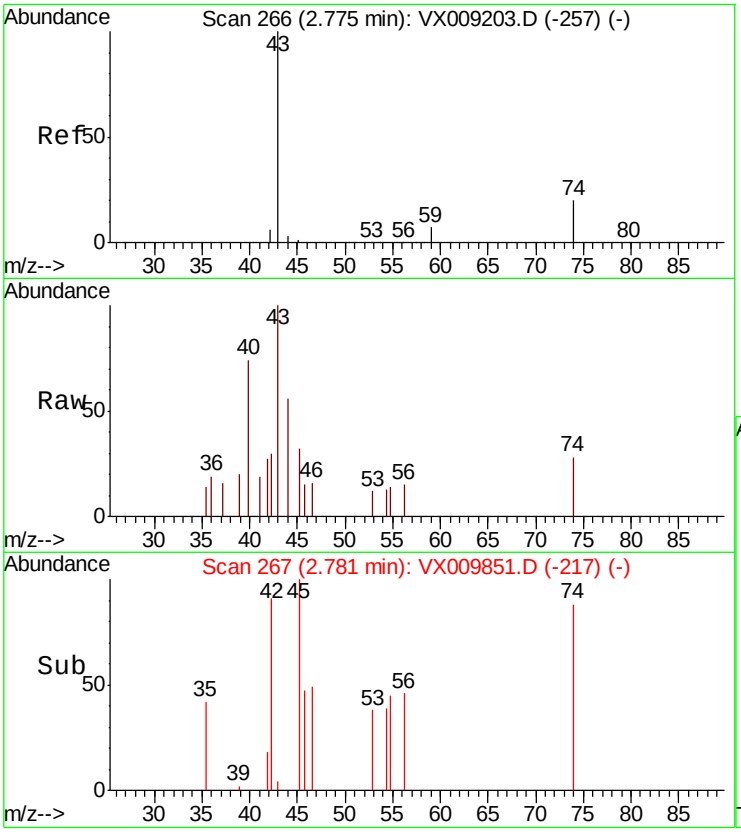




#16
Acetone
Concen: 9.644 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion: 43 Resp: 12220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 24.9 | 37.3 |



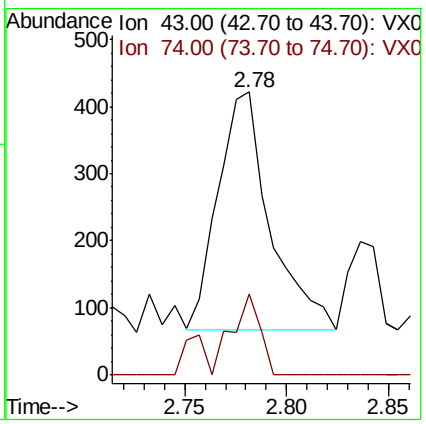


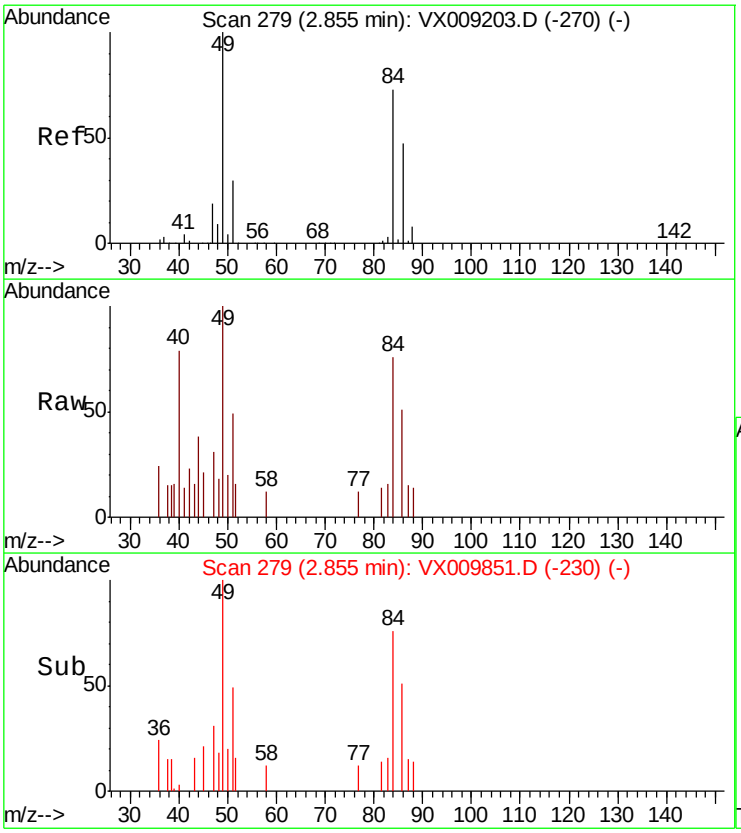

#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion: 43 Resp: 627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 18.2 | 16.2 | 24.4 |

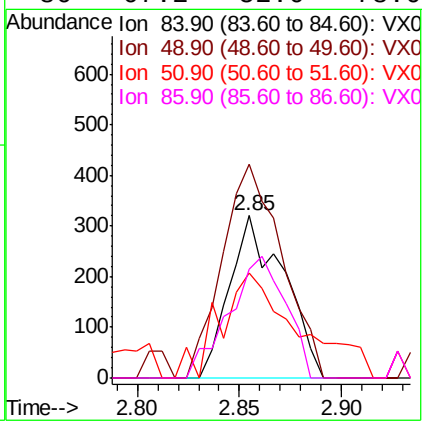


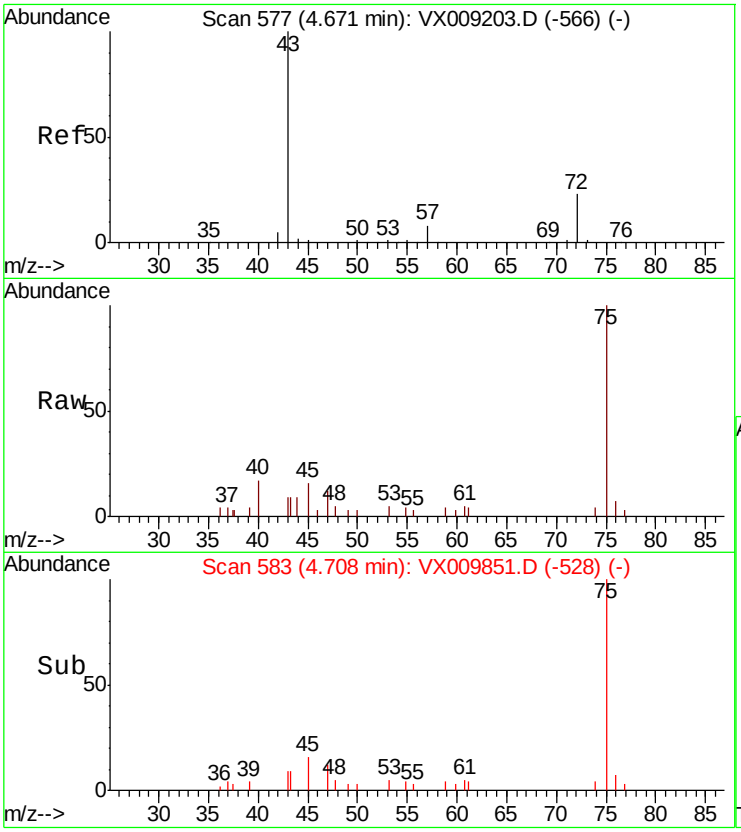




#20
Methylene Chloride
Concen: 0.288 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion: 84 Resp: 590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.9 | 109.9 | 164.9 |
| 51 | 43.4 | 32.7 | 49.1 |
| 86 | 67.2 | 52.0 | 78.0 |



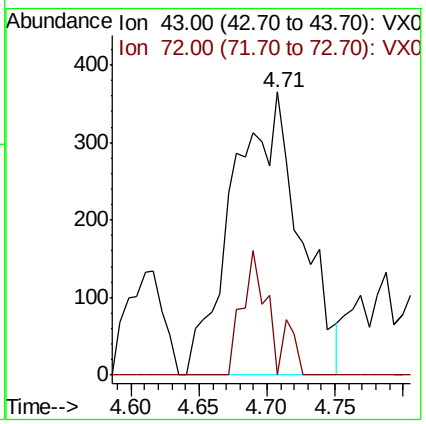


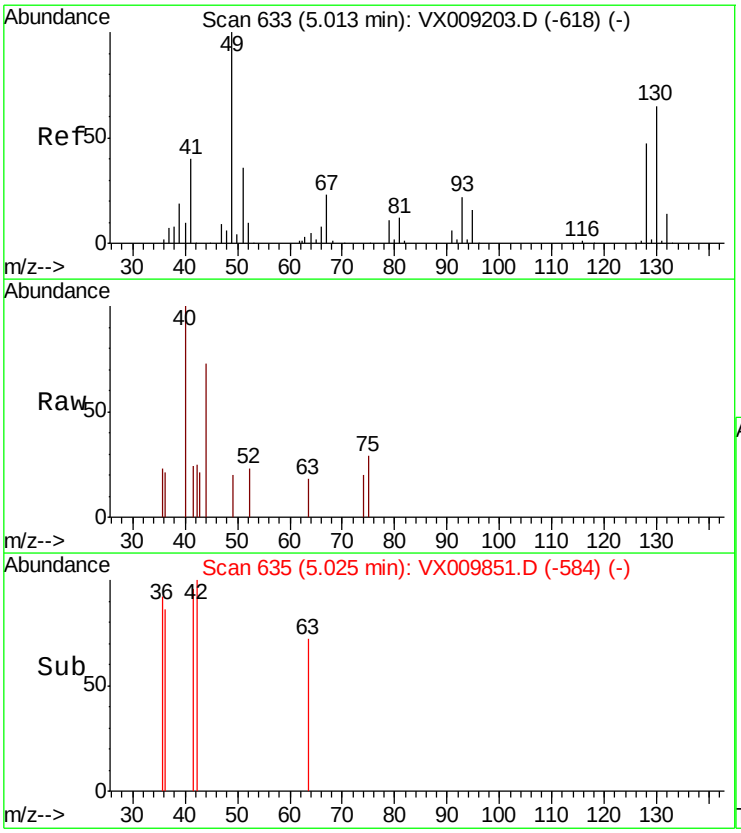

#25
2-Butanone
Concen: 0.638 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.04 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion: 43 Resp: 1257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 18.2 | 27.2# |

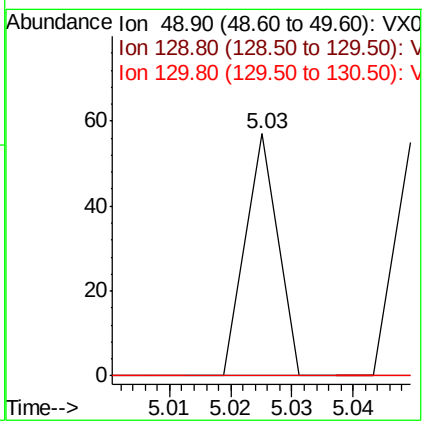


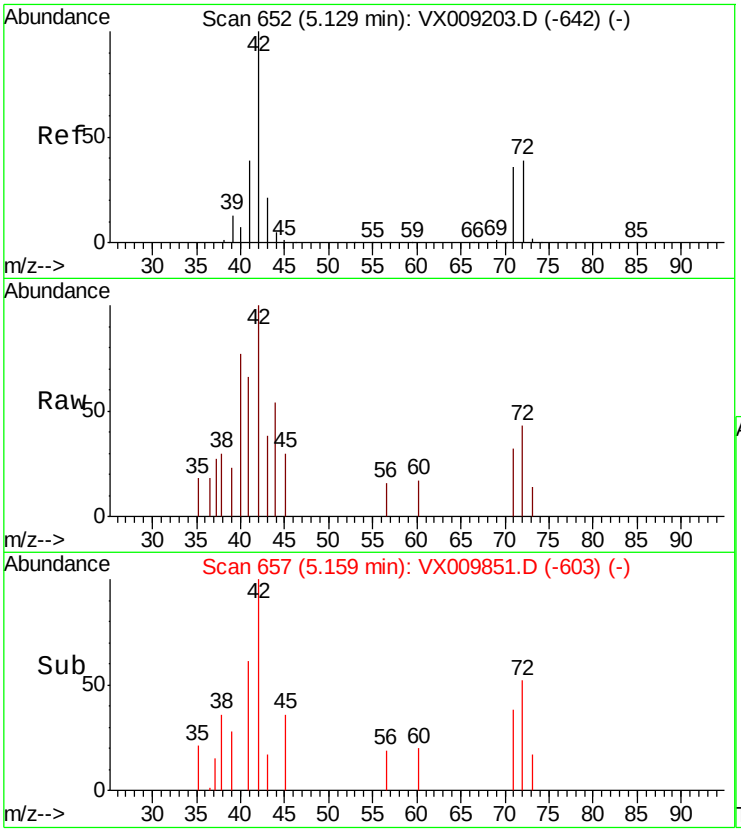




#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion: 49 Resp: 21

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 0.0 | 51.2 | 76.8# |



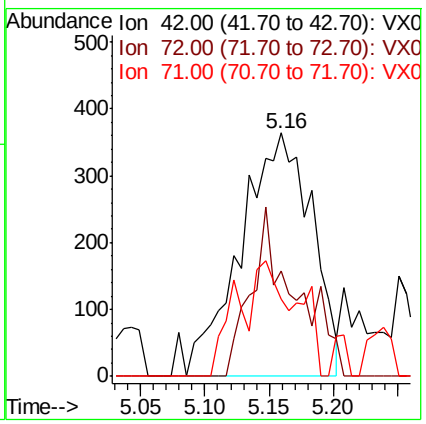


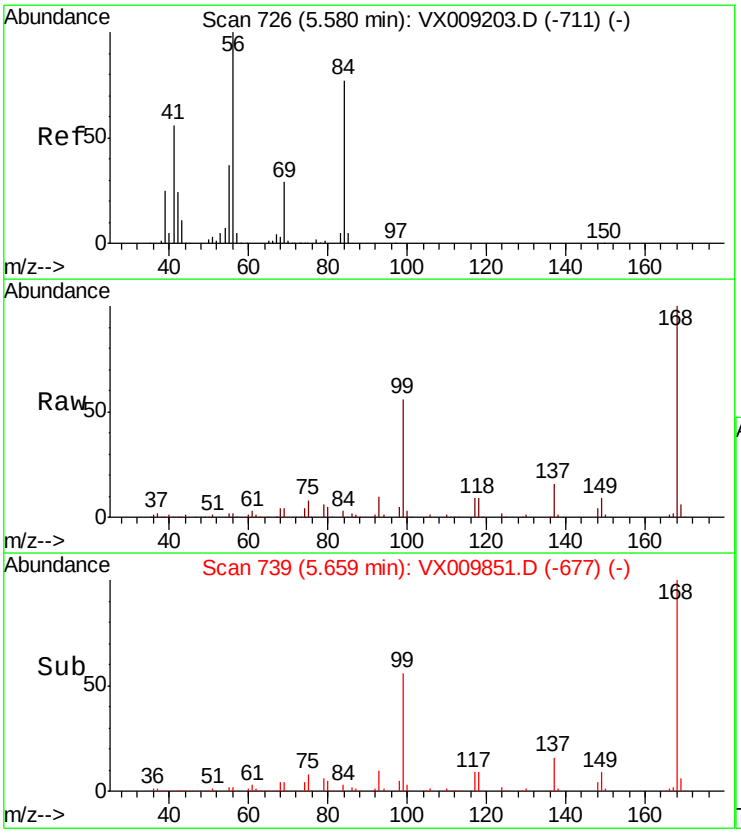

#29
Tetrahydrofuran
Concen: 1.104 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.03 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion: 42 Resp: 1399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.2 | 30.4 | 45.6 |
| 71 | 10.0 | 28.6 | 43.0# |

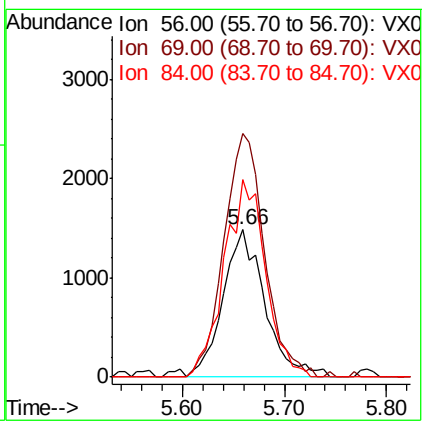


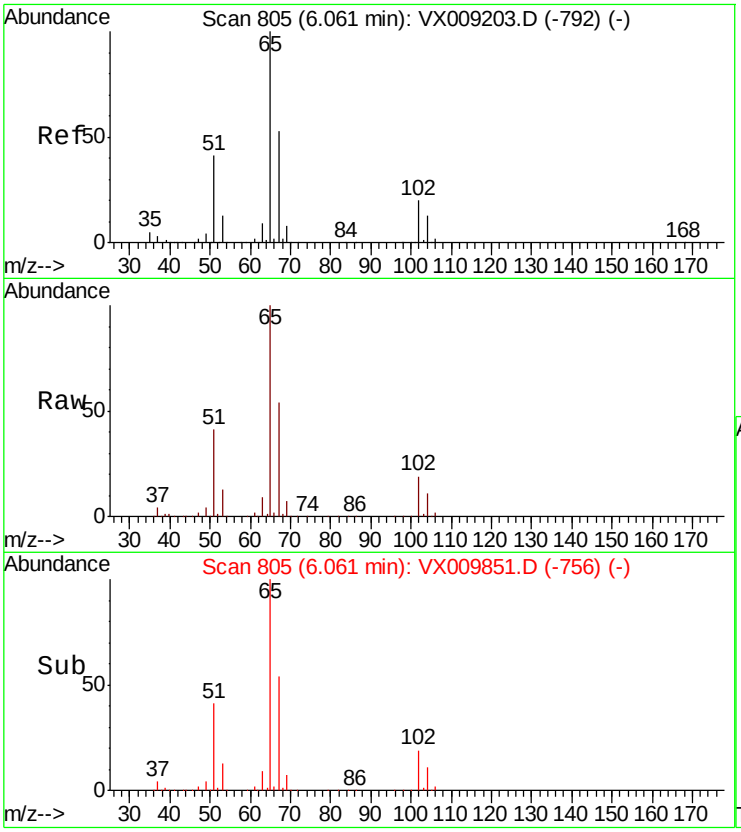




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion: 56 Resp: 4230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 165.6 | 23.4 | 35.0# |
| 84 | 134.0 | 61.9 | 92.9# |



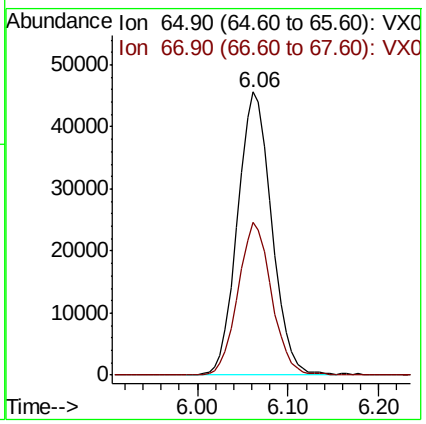


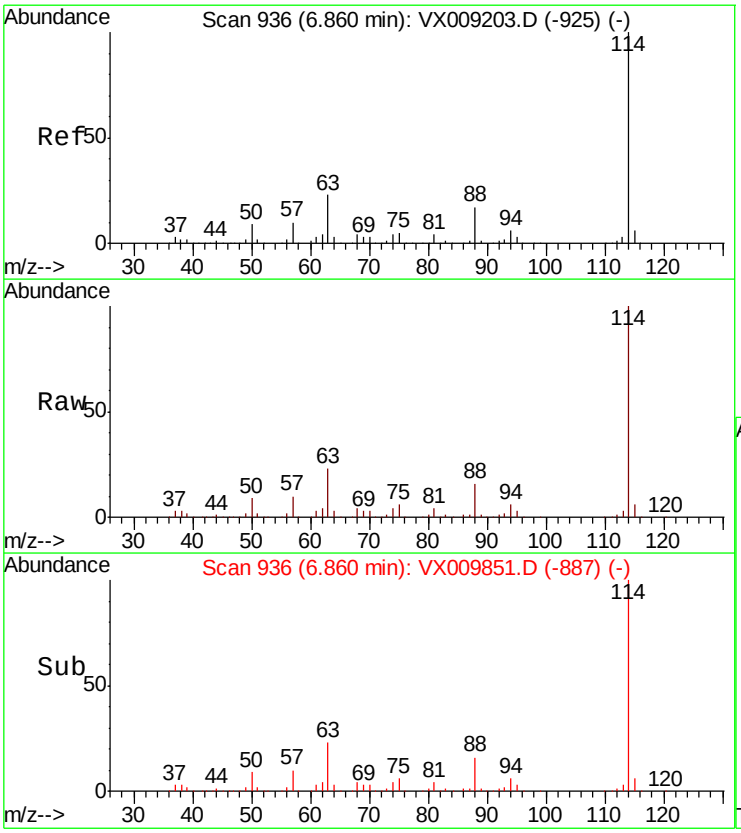

#33
1,2-Dichloroethane-d4
Concen: 50.498 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion: 65 Resp: 119171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.9 | 0.0 | 106.6 |

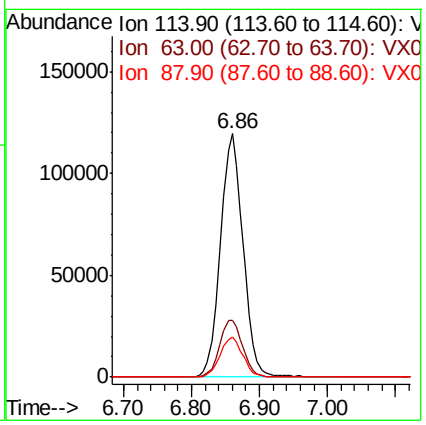


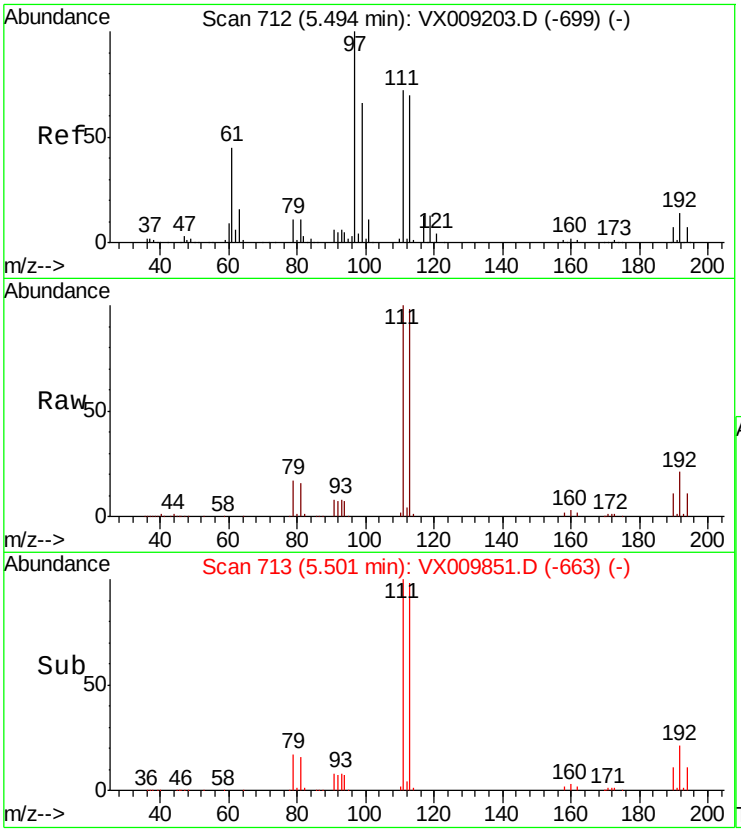




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion:114 Resp: 275423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.1 | 0.0 | 45.6 |
| 88 | 16.2 | 0.0 | 33.2 |



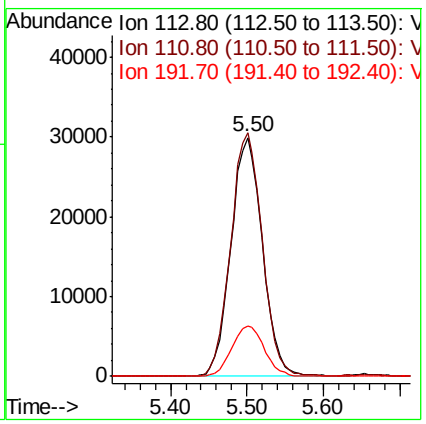


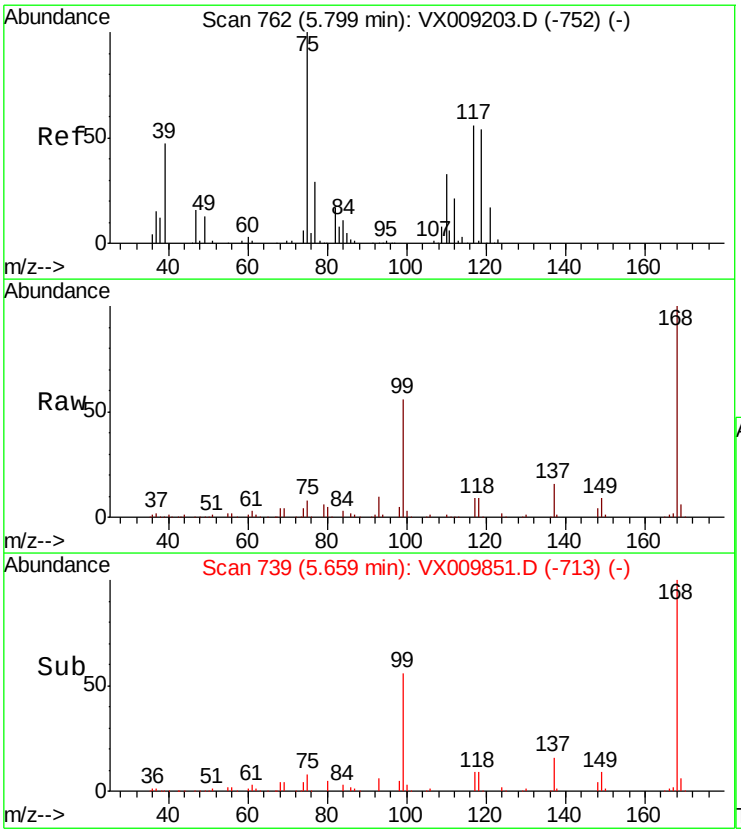

#35
Dibromofluoromethane
Concen: 49.314 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion:113 Resp: 85384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 82.8 | 124.2 |
| 192 | 21.7 | 17.0 | 25.6 |

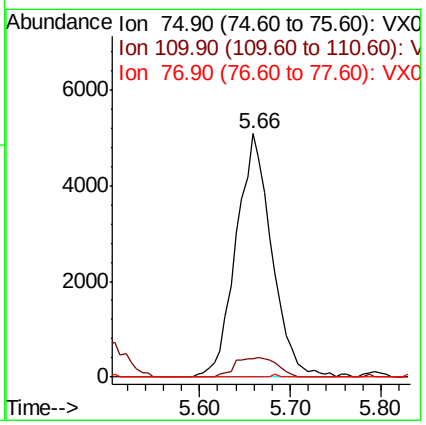


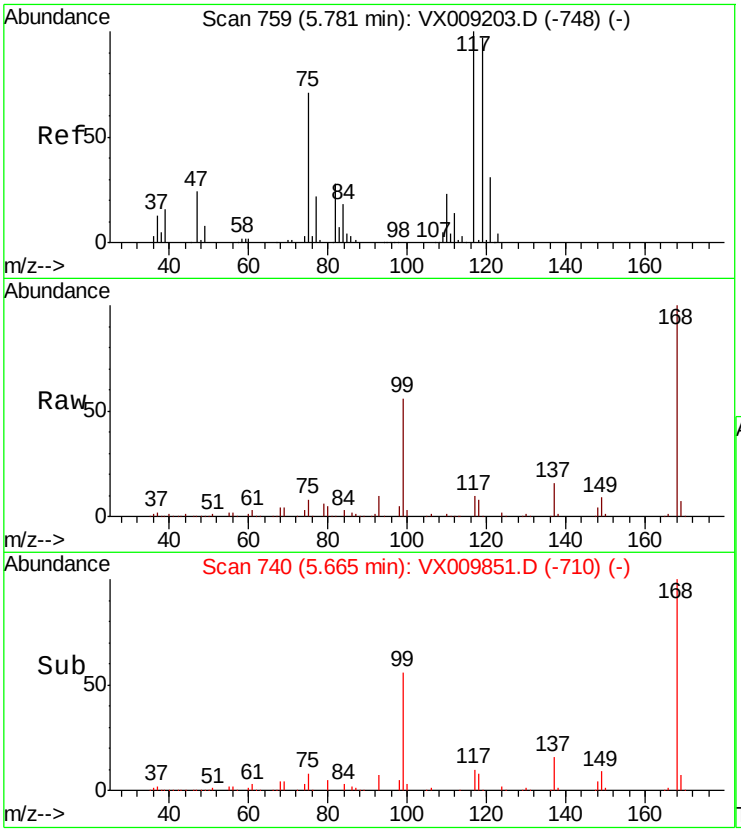




#36
1,1-Dichloropropene
Concen: 5.413 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion: 75 Resp: 13855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.4 | 16.9 | 50.6# |
| 77 | 0.0 | 24.8 | 37.2# |



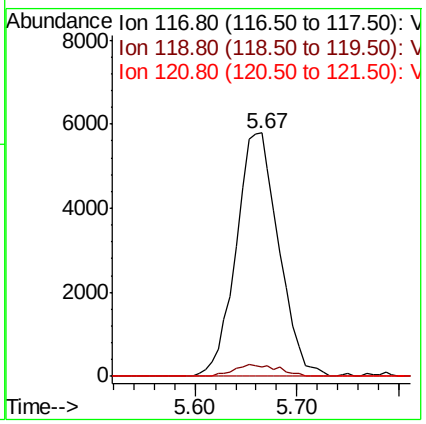


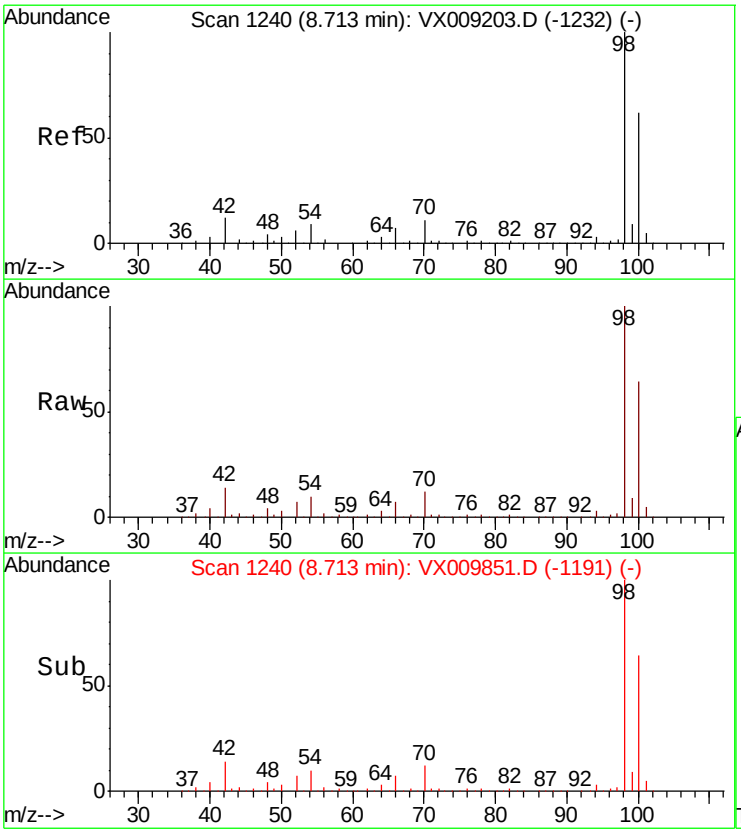

#38
Carbon Tetrachloride
Concen: 7.208 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion:117 Resp: 16763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.1 | 77.5 | 116.3# |
| 121 | 0.0 | 24.7 | 37.1# |

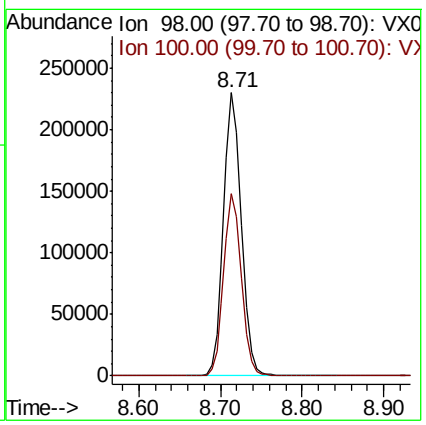


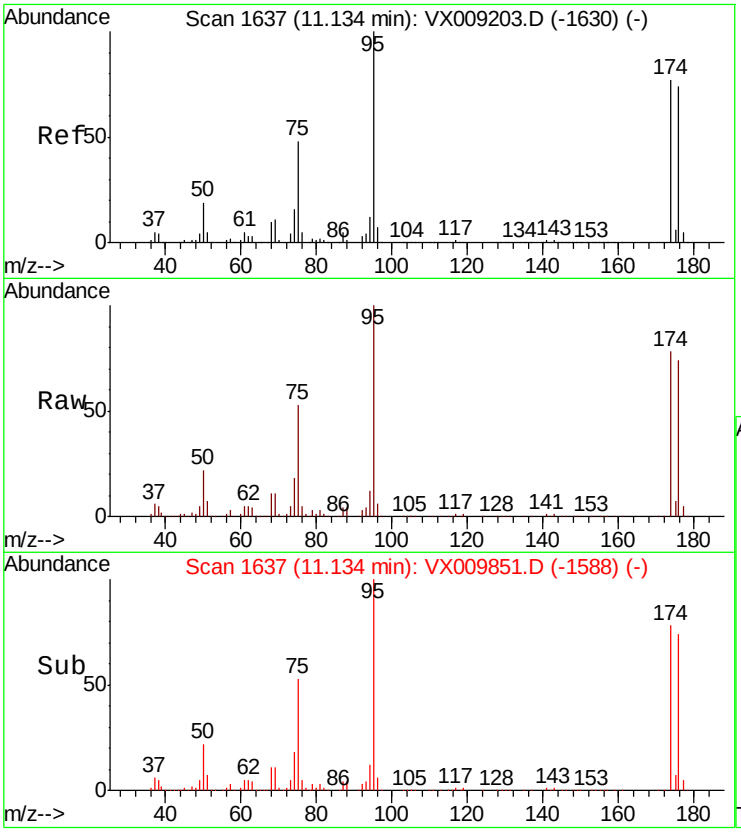




#50
Toluene-d8
Concen: 49.849 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion: 98 Resp: 348451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 51.2 | 76.8 |



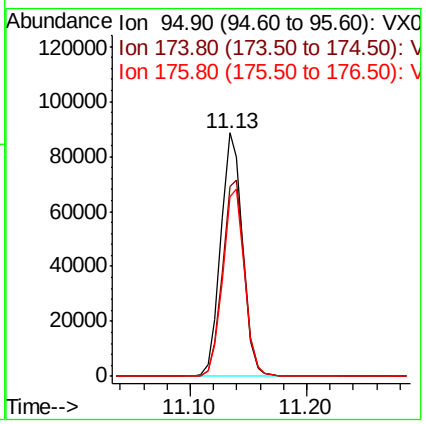


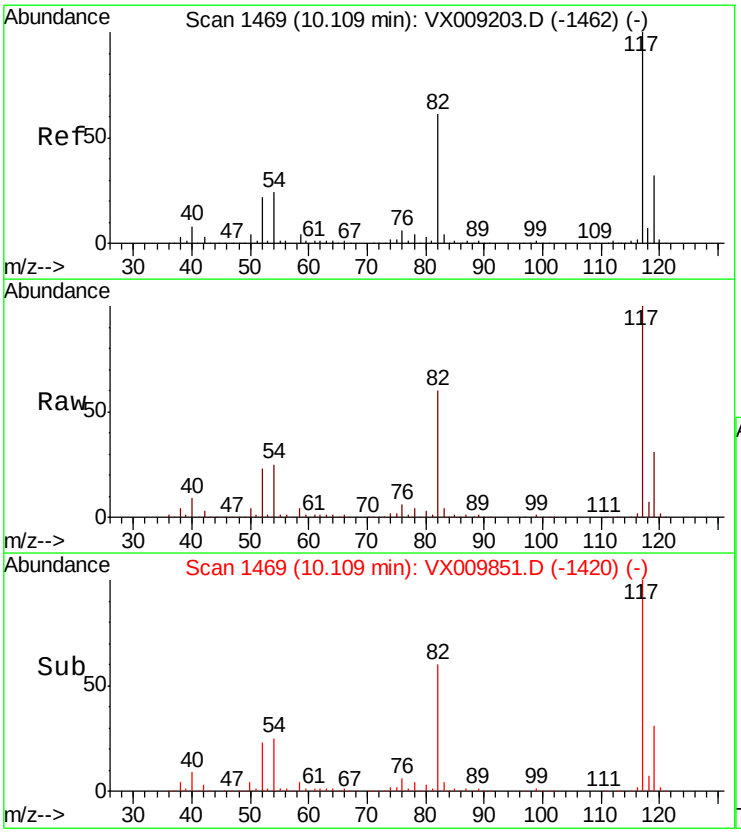

#62
4-Bromofluorobenzene
Concen: 44.773 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion: 95 Resp: 113722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.2 | 0.0 | 161.6 |
| 176 | 77.7 | 0.0 | 159.2 |

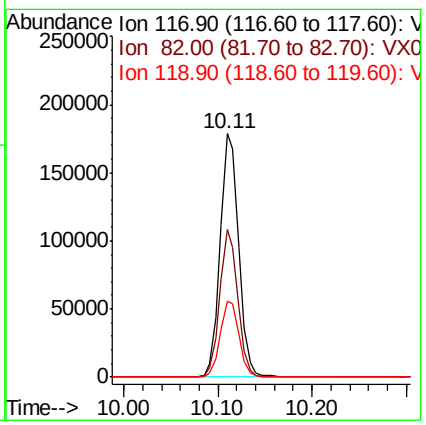


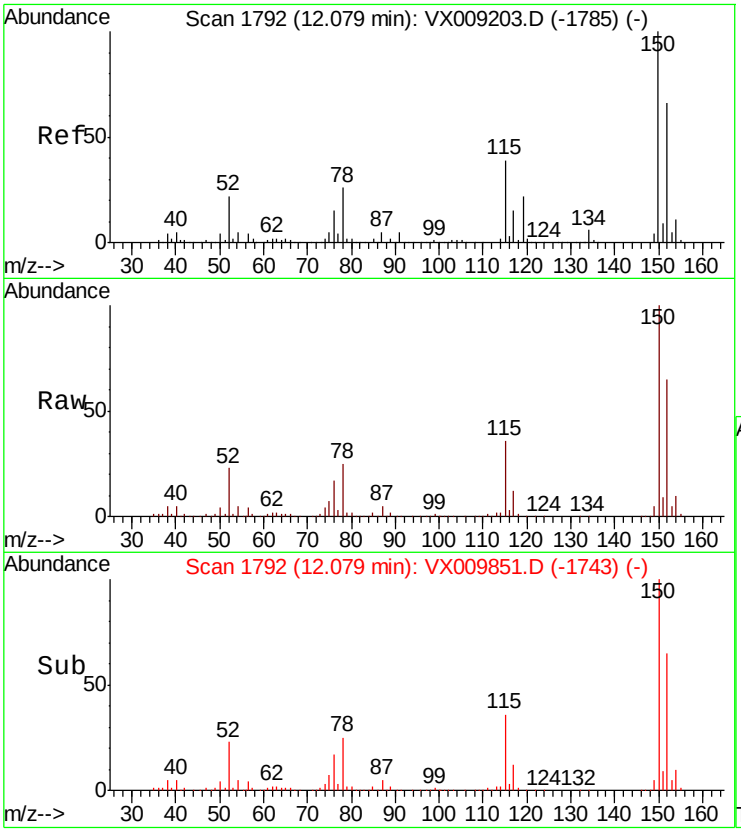




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion:117 Resp: 242138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.5 | 48.8 | 73.2 |
| 119 | 31.3 | 25.8 | 38.6 |



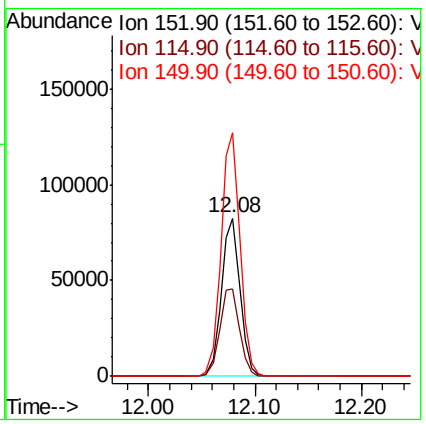


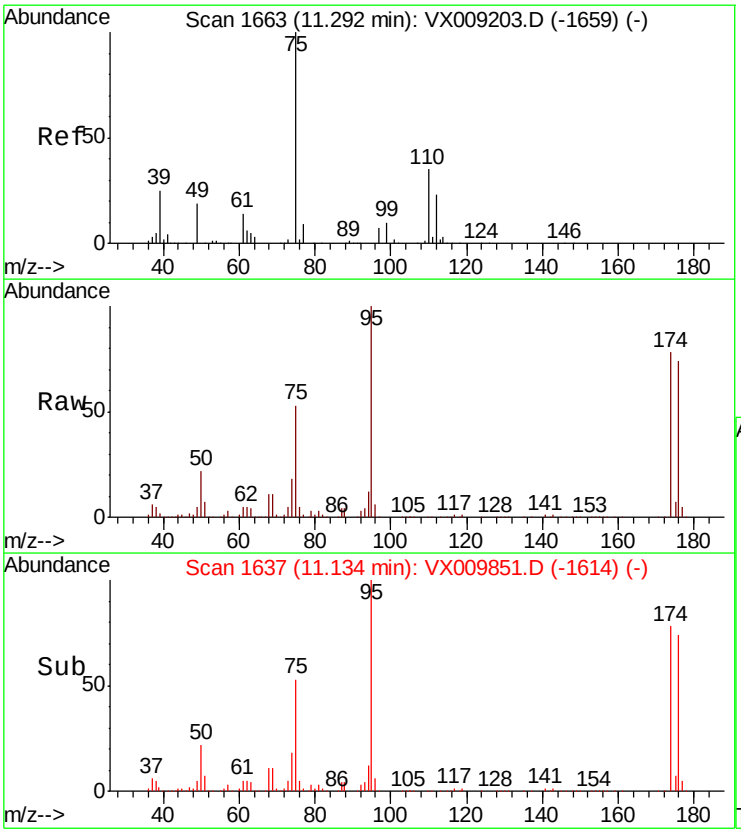

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion:152 Resp: 101099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.2 | 41.2 | 123.6 |
| 150 | 156.7 | 0.0 | 346.4 |

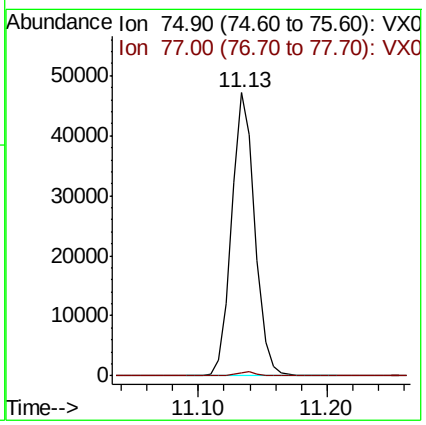


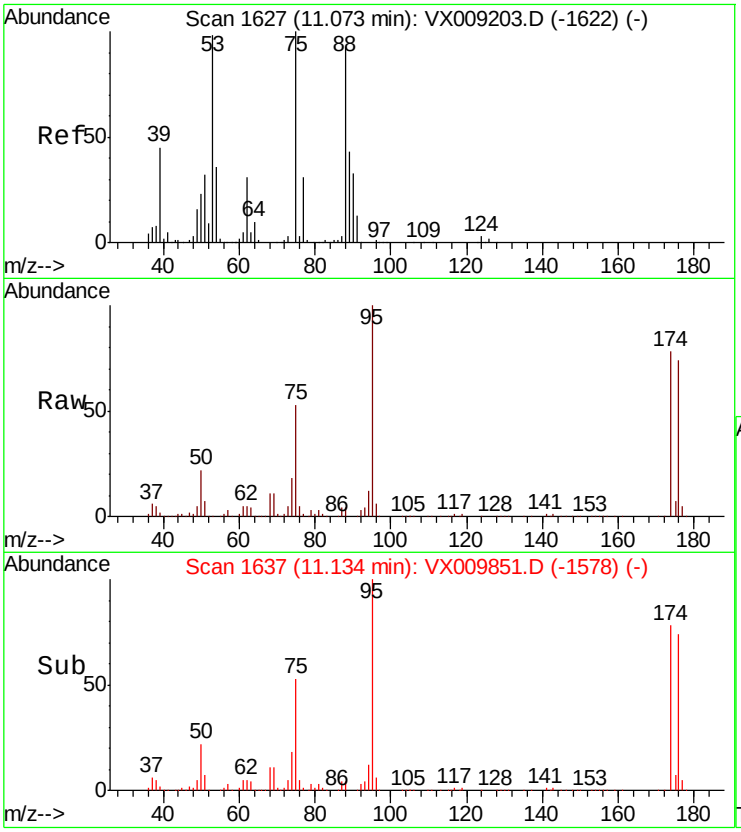




#76
1,2,3-Trichloropropane
Concen: 25.349 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

Tgt Ion: 75 Resp: 59447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 22.1 | 66.1# |






#81
trans-1,4-Dichloro-2-butene
Concen: 64.859 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009851.D
Acq: 23 May 2019 12:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-EB-20190520

Tgt Ion: 75 Resp: 59447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 79.0 | 118.6# |
| 89 | 0.0 | 34.7 | 52.1# |