Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052019\
Data File : VX009729.D
Acq On : 20 May 2019 16:26
Operator : JC/SP
Sample : K2952-04RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** BP-VPB202-DUP-20190516RE

Quant Time: May 21 07:41:49 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 | 5.67 | 168 | 175140 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 279652 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 249194 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 106315 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 117414 | 49.11 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.22% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 85921 | 48.87 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.74% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 350539 | 49.39 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.78% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 115858 | 44.92 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.84% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.33 | 50 | 474 | 0.215 | ug/l # | 48 |
| 10) Methyl Iodide | 2.51 | 142 | 46 | 4.616 | ug/l # | 42 |
| 11) Tert butyl alcohol | 3.03 | 59 | 454 | 0.820 | ug/l # | 73 |
| 13) Acrolein | 2.30 | 56 | 264 | 0.527 | ug/l # | 57 |
| 16) Acetone | 2.45 | 43 | 10774 | 8.392 | ug/l | 98 |
| 25) 2-Butanone | 4.68 | 43 | 3160 | 1.584 | ug/l # | 87 |
| 28) Bromochloromethane | 5.02 | 49 | 21 | Below Cal # | | 20 |
| 31) Cyclohexane | 5.66 | 56 | 3825 | 1.082 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 13825 | 5.320 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 16520 | 6.996 | ug/l # | 16 |
| 52) Toluene | 8.79 | 92 | 7375 | 1.508 | ug/l | 98 |
| 59) 2-Hexanone | 9.49 | 43 | 841 | 0.283 | ug/l | 79 |
| 74) N-amyl acetate | 10.91 | 43 | 2248 | 0.499 | ug/l # | 6 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 59970 | 24.318 | ug/l # | 34 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 59970 | 62.220 | ug/l # | 10 |

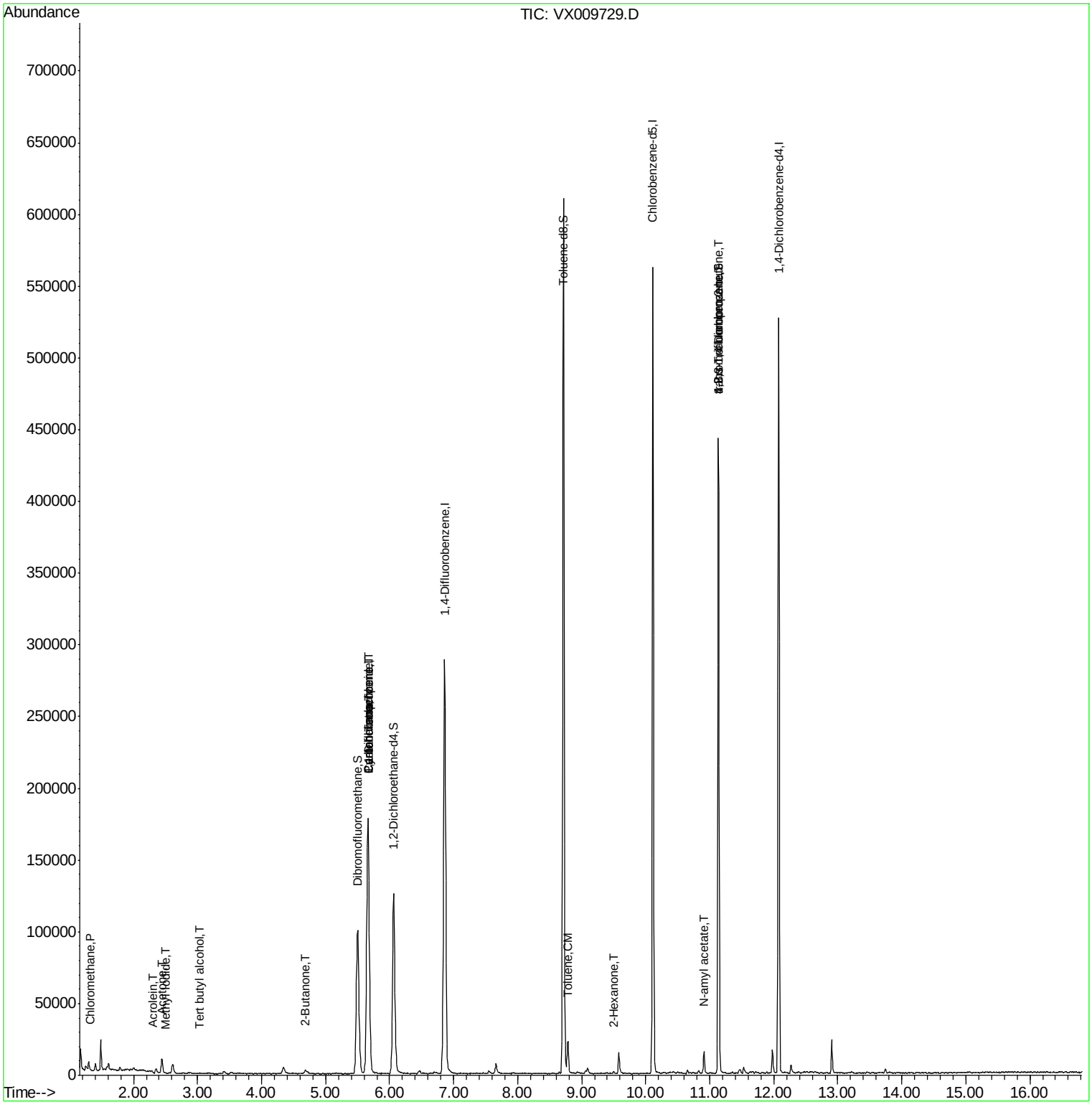
(#) = qualifier out of range (m) = manual integration (+) = signals summed

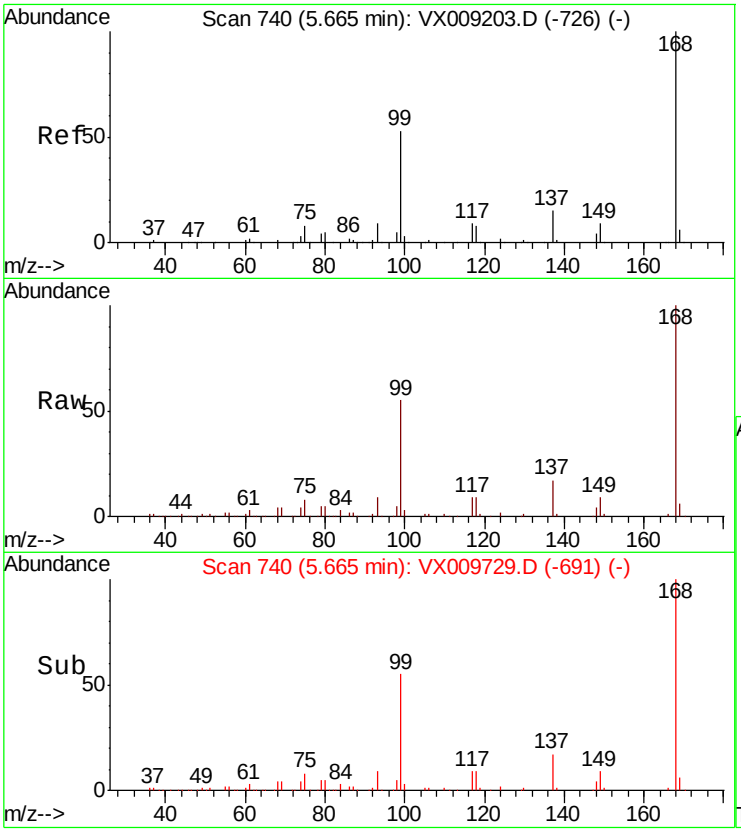
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052019\
Data File : VX009729.D
Acq On : 20 May 2019 16:26
Operator : JC/SP
Sample : K2952-04RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Quant Time: May 21 07:41:49 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



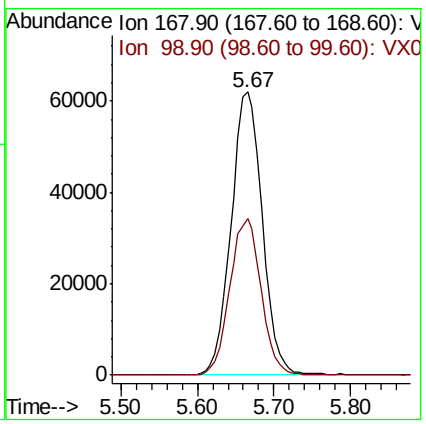


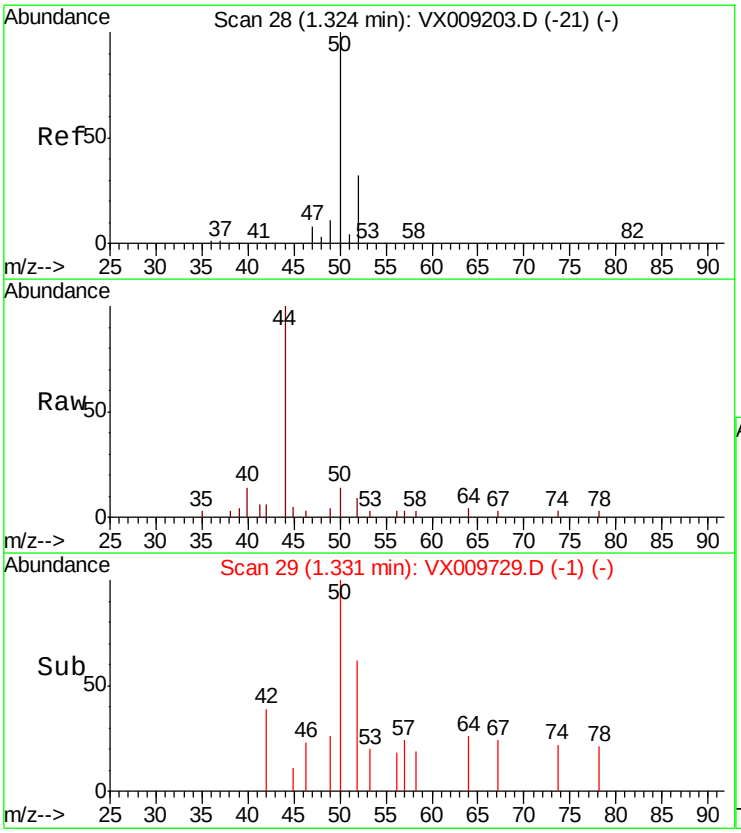

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion:168 Resp: 175140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.3 | 42.3 | 63.5 |

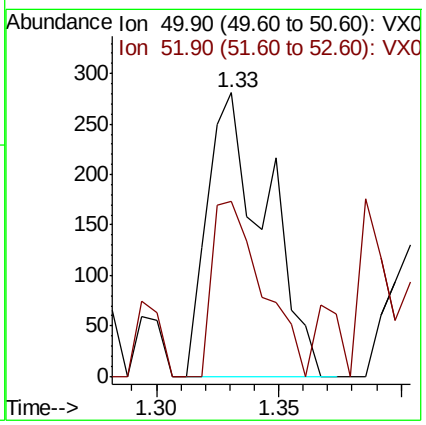


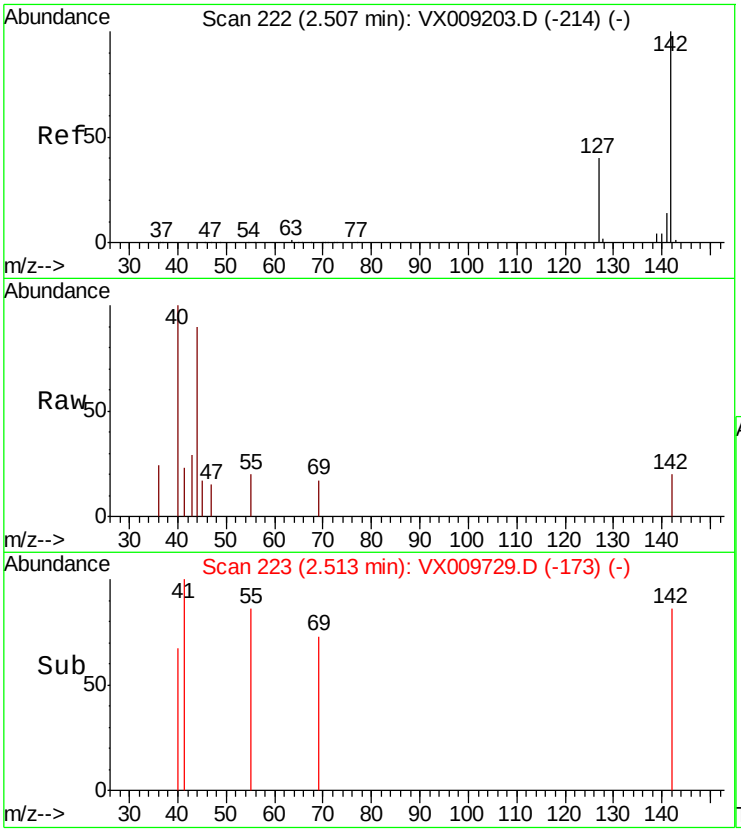




#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion: 50 Resp: 474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 61.6 | 25.9 | 38.9# |



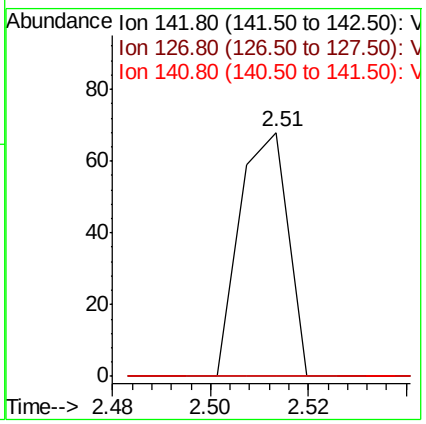


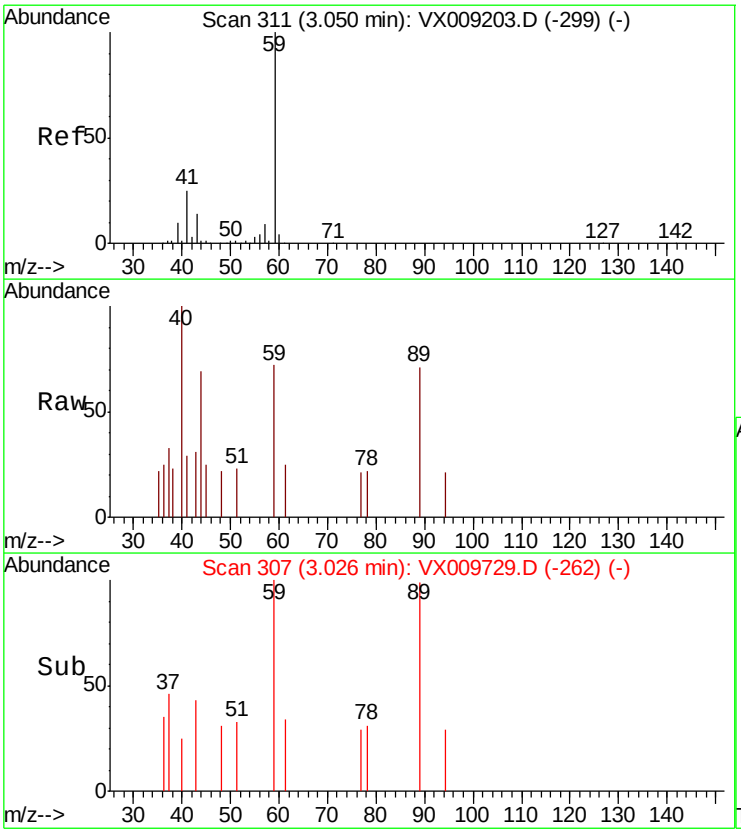

#10
Methyl Iodide
Concen: 4.616 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion:142 Resp: 46

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

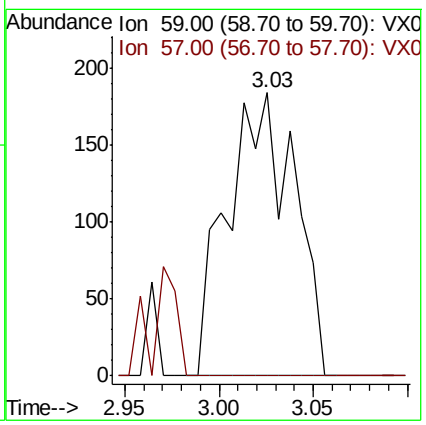


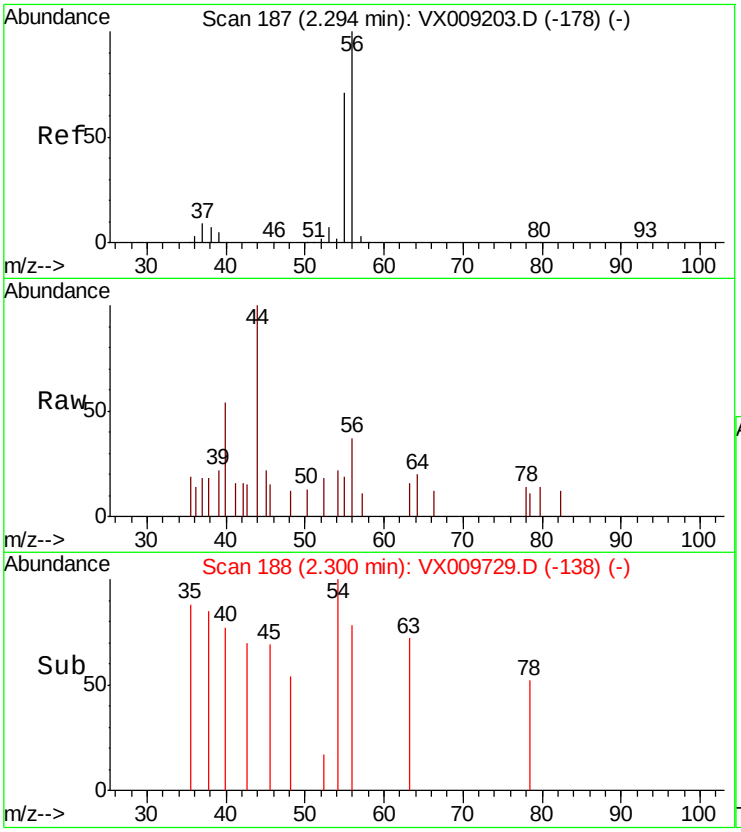




#11
Tert butyl alcohol
Concen: 0.820 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion: 59 Resp: 454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.2 | 12.2# |



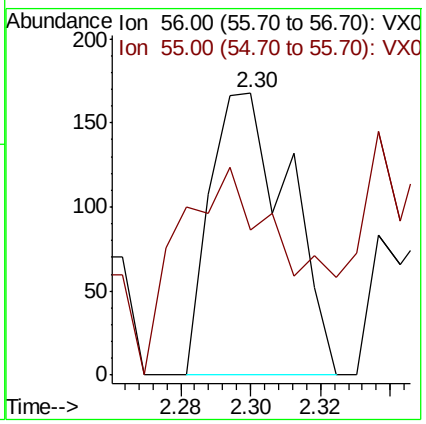


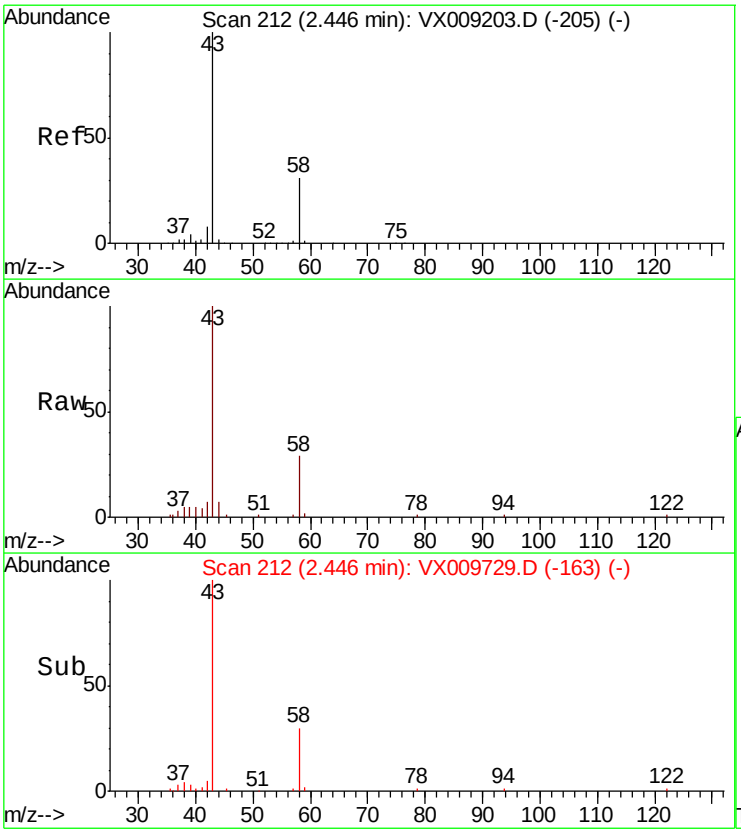

#13
Acrolein
Concen: 0.527 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion: 56 Resp: 264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 106.1 | 56.6 | 85.0# |

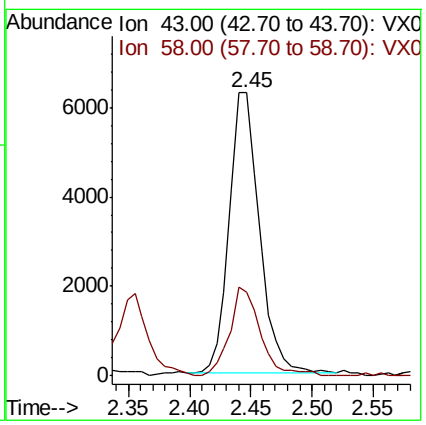


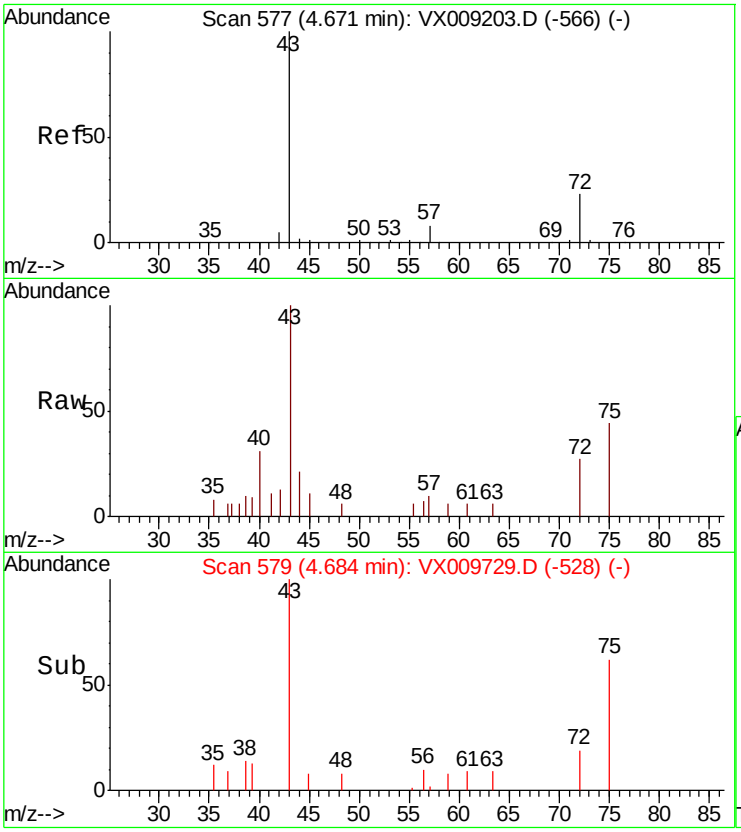




#16
Acetone
Concen: 8.392 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion: 43 Resp: 10774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.7 | 24.9 | 37.3 |



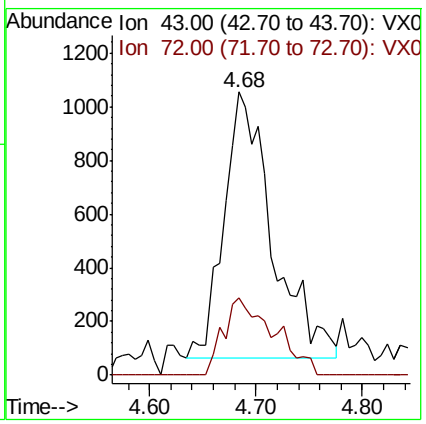


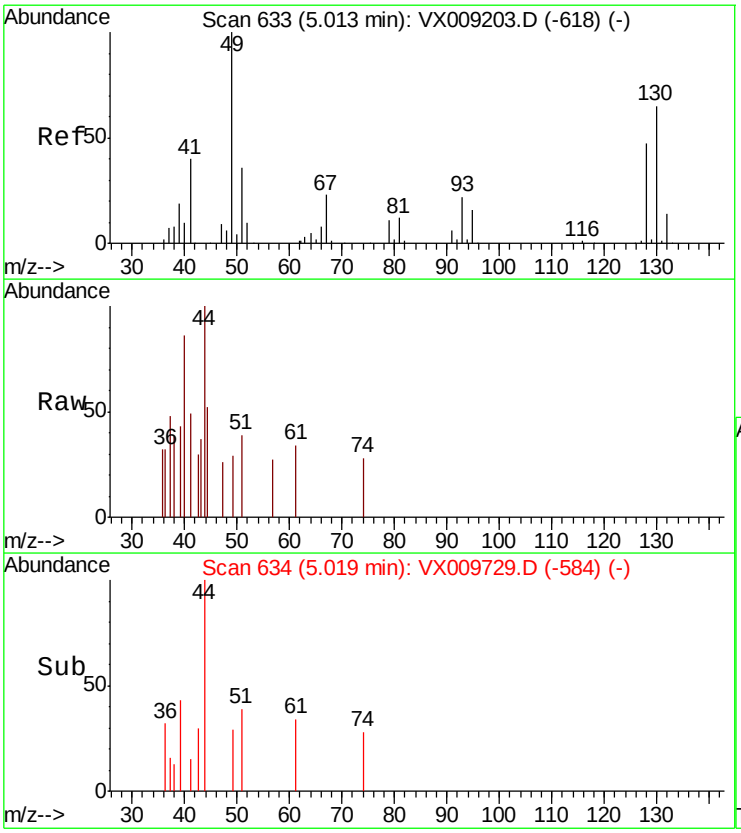

#25
2-Butanone
Concen: 1.584 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion: 43 Resp: 3160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.8 | 18.2 | 27.2# |

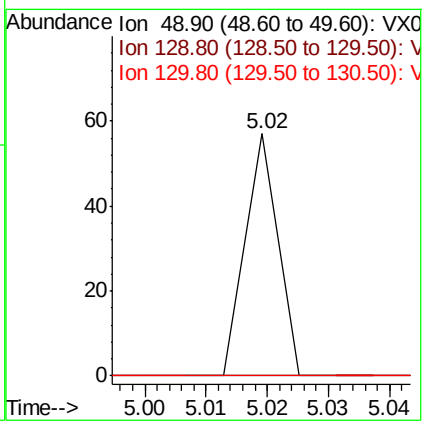


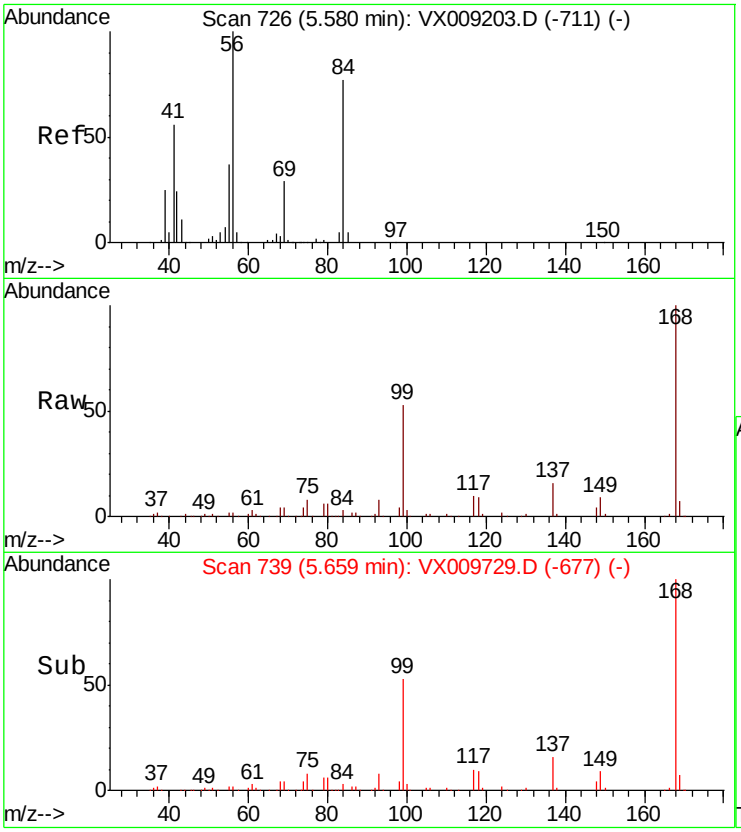




#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

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# |



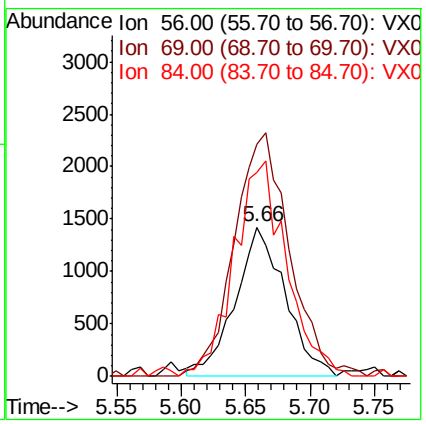


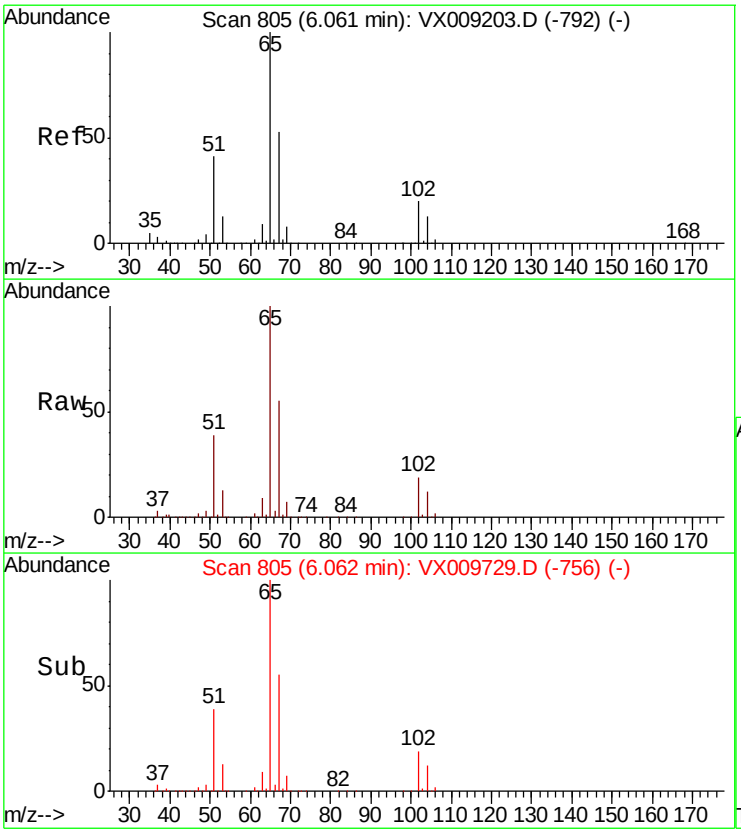

#31
Cyclohexane
Concen: 1.082 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :** MSVOA_X
**ClientSampleId :** BP-VPB202-DUP-20190516RE

Tgt Ion: 56 Resp: 3825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 151.9 | 23.4 | 35.0# |
| 84 | 132.5 | 61.9 | 92.9# |

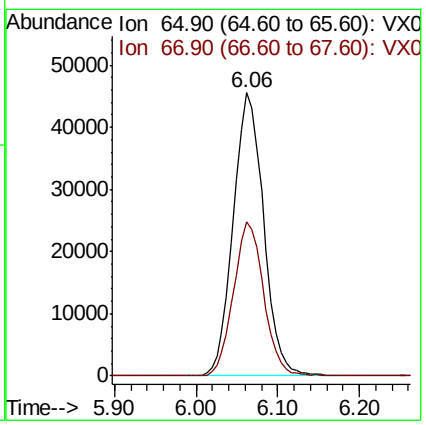


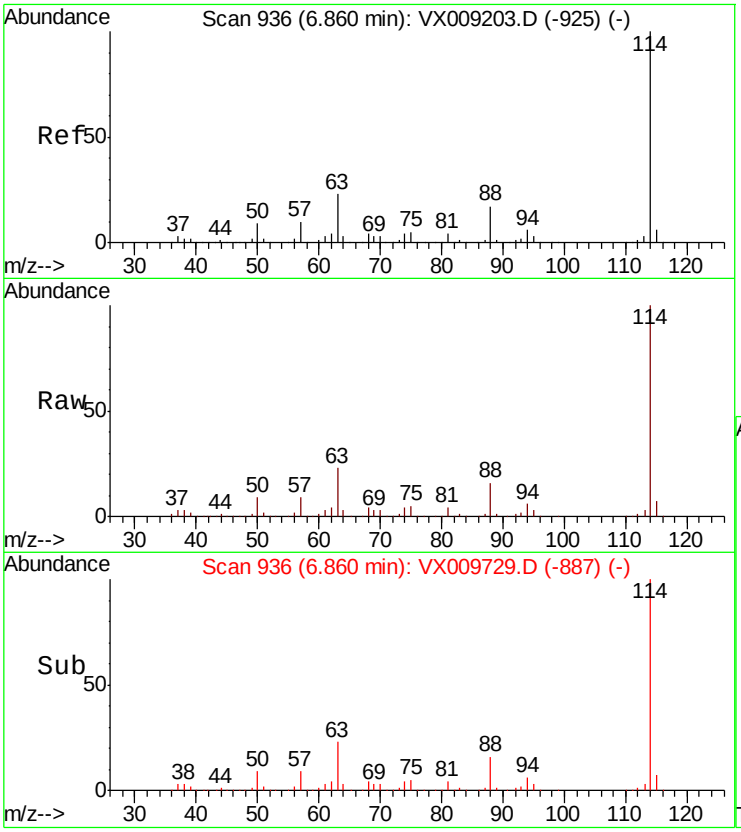




#33
1,2-Dichloroethane-d4
Concen: 49.109 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion: 65 Resp: 117414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.0 | 0.0 | 106.6 |



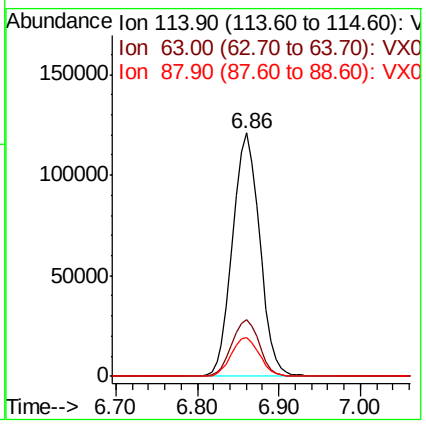


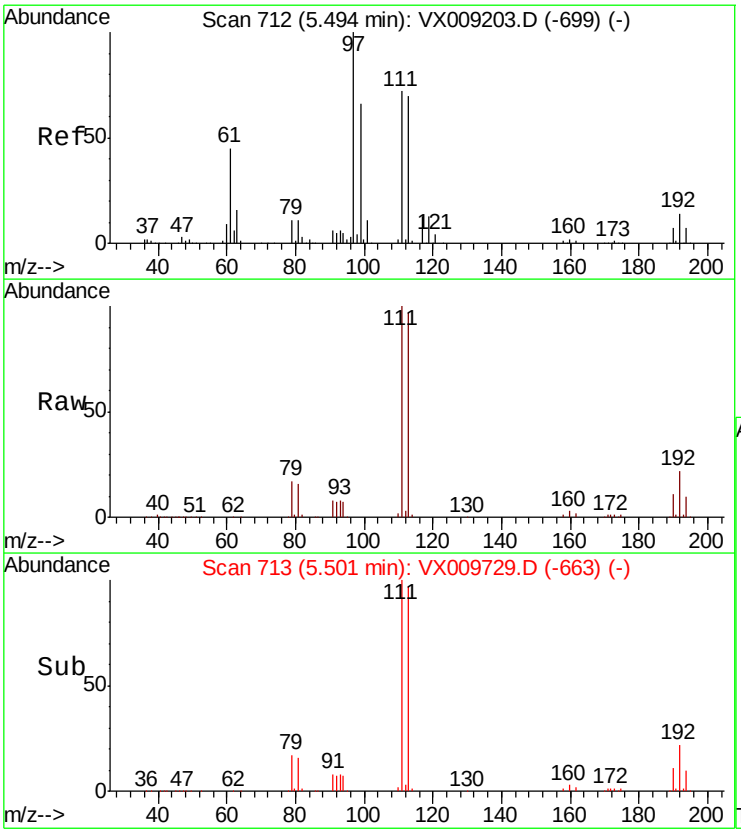

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion:114 Resp: 279652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.1 | 0.0 | 45.6 |
| 88 | 16.1 | 0.0 | 33.2 |

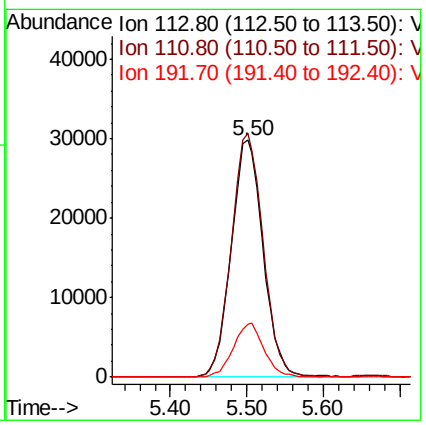


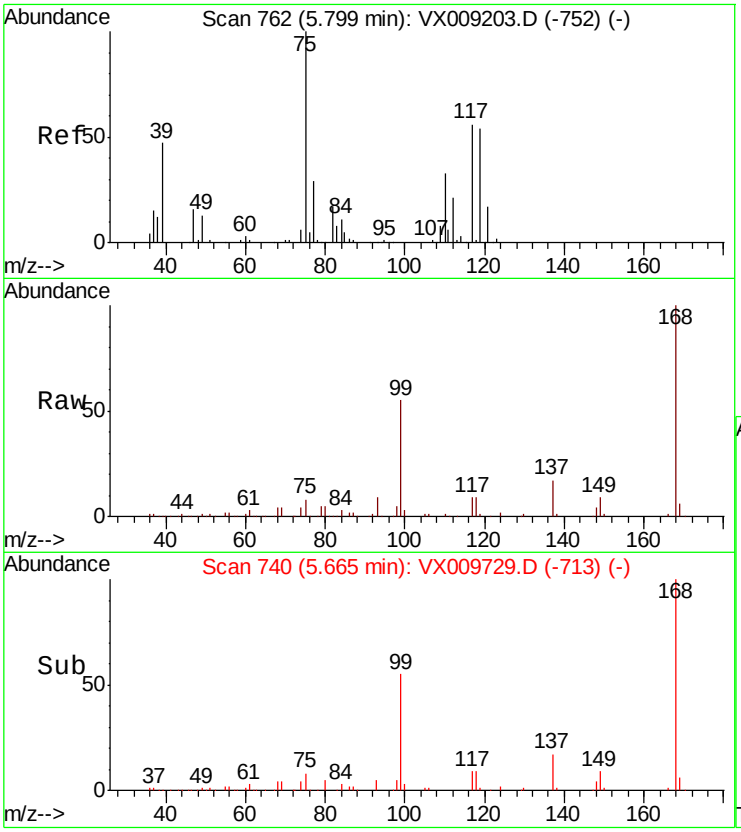




#35
Dibromofluoromethane
Concen: 48.874 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion:113 Resp: 85921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 82.8 | 124.2 |
| 192 | 21.8 | 17.0 | 25.6 |



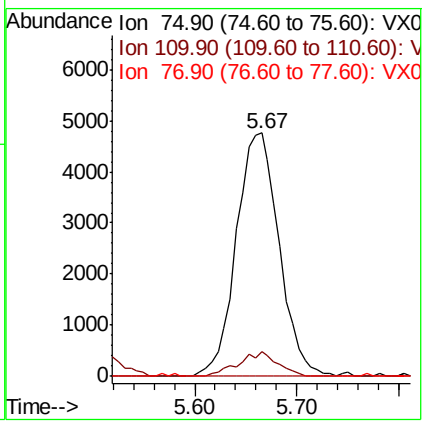


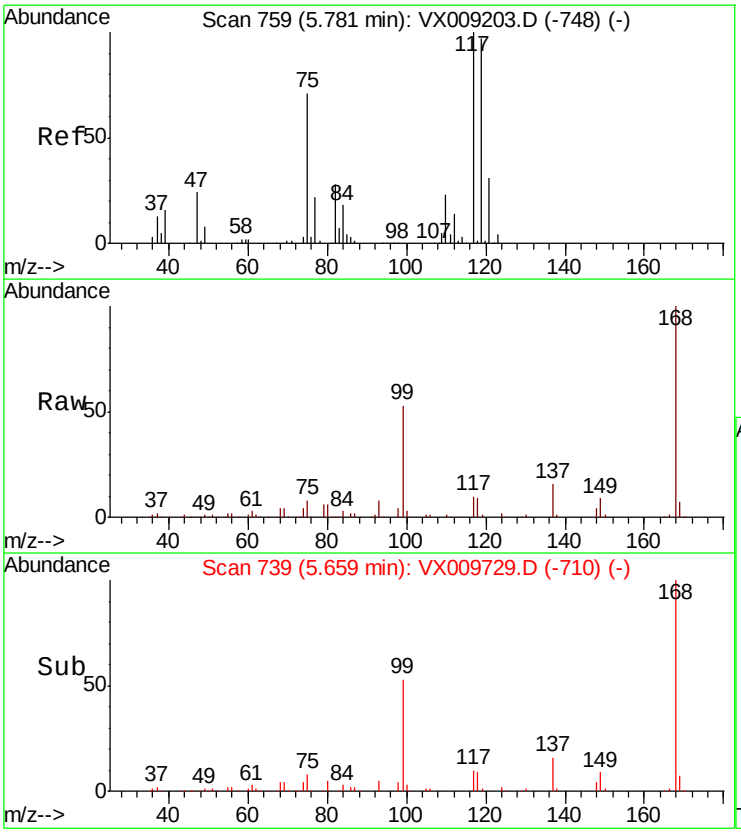

#36
1,1-Dichloropropene
Concen: 5.320 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion: 75 Resp: 13825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.3 | 16.9 | 50.6# |
| 77 | 0.0 | 24.8 | 37.2# |

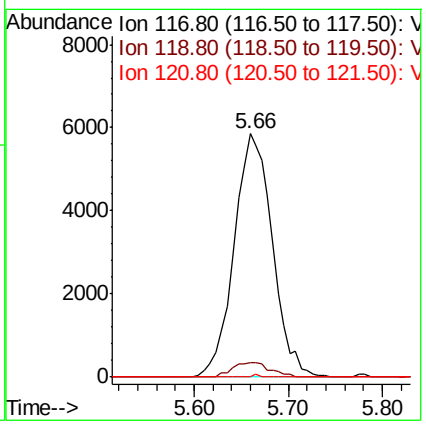


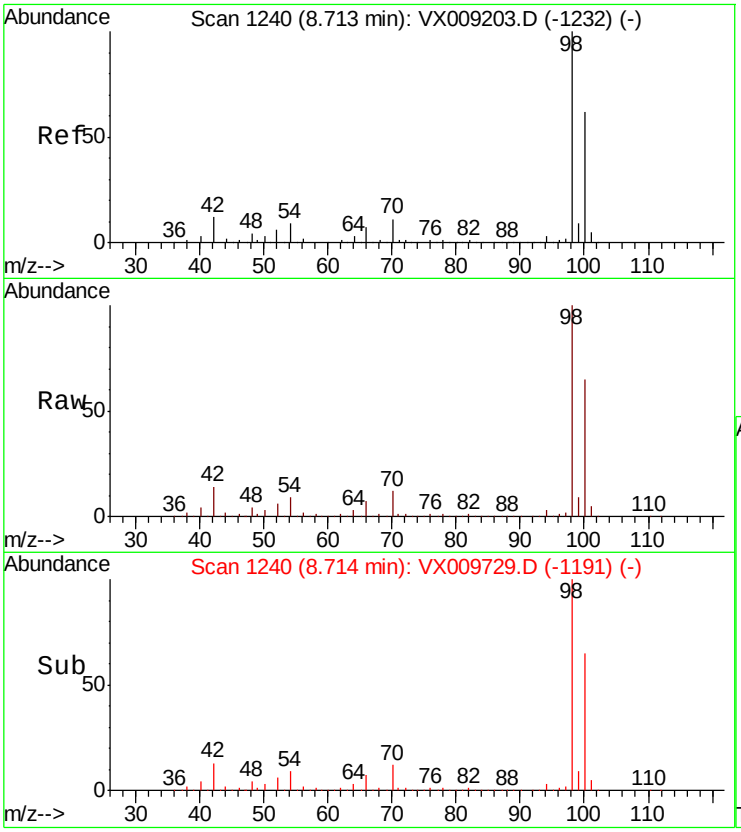




#38
Carbon Tetrachloride
Concen: 6.996 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion:117 Resp: 16520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.8 | 77.5 | 116.3# |
| 121 | 0.0 | 24.7 | 37.1# |



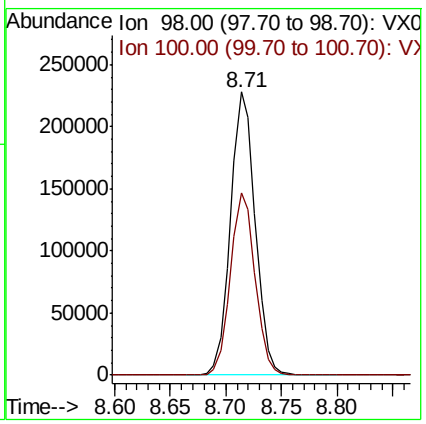


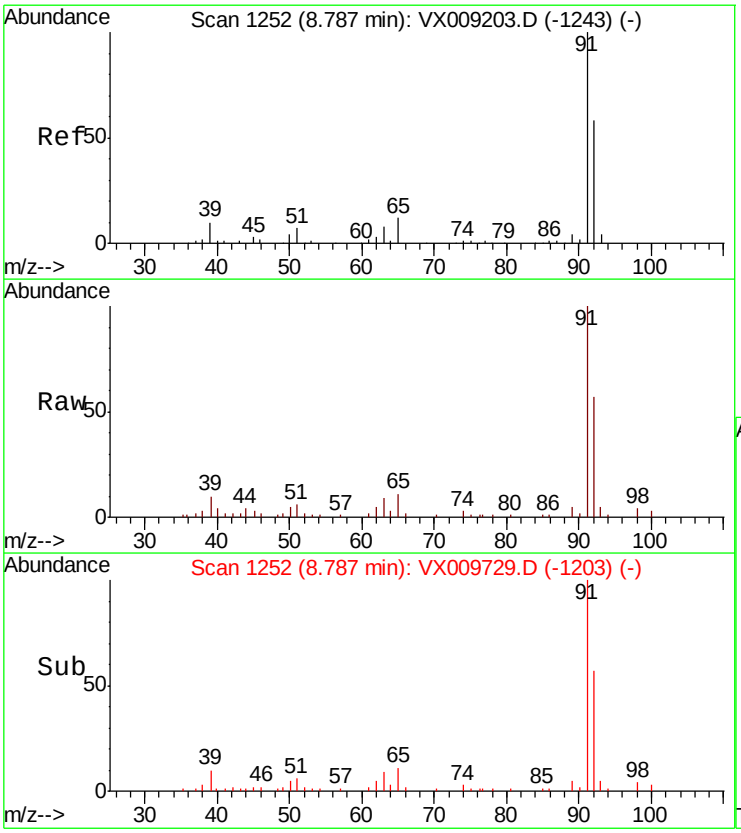

#50
Toluene-d8
Concen: 49.389 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion: 98 Resp: 350539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 51.2 | 76.8 |

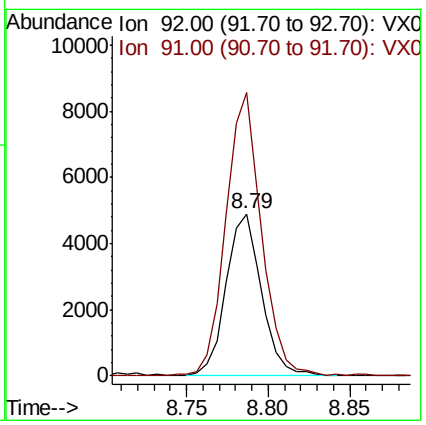


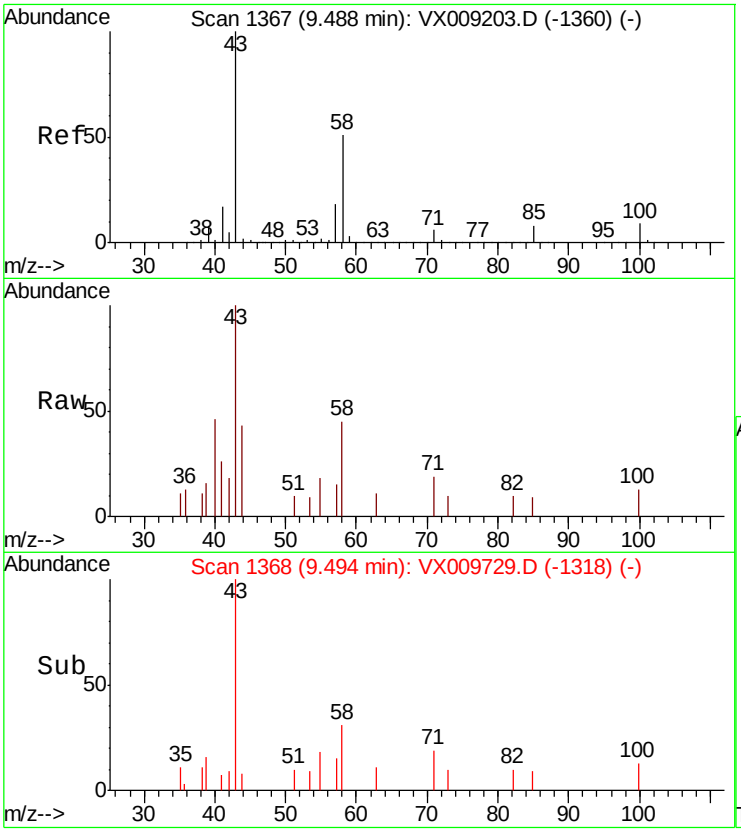




#52
Toluene
Concen: 1.508 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion: 92 Resp: 7375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 176.1 | 138.8 | 208.2 |



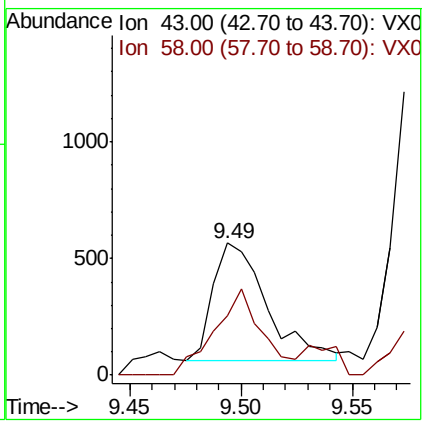


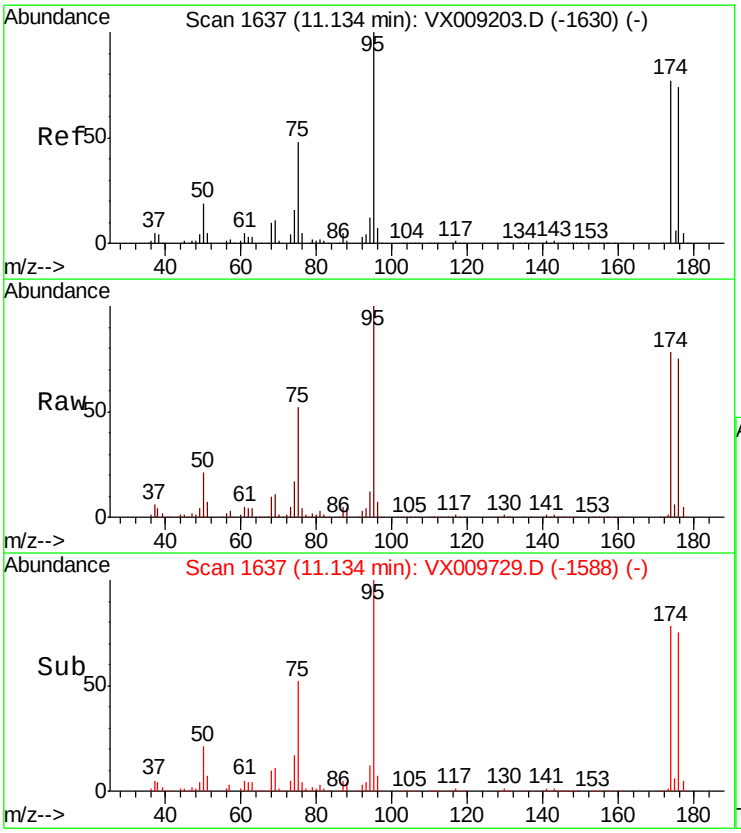

#59
2-Hexanone
Concen: 0.283 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion: 43 Resp: 841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 66.2 | 25.9 | 77.7 |

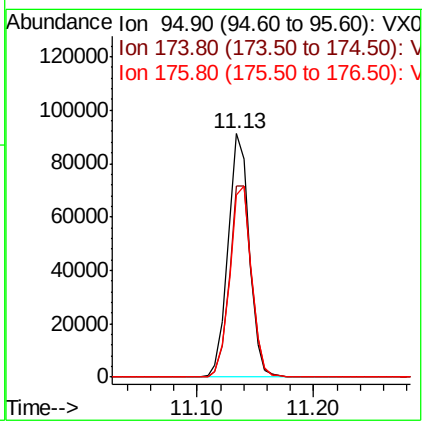


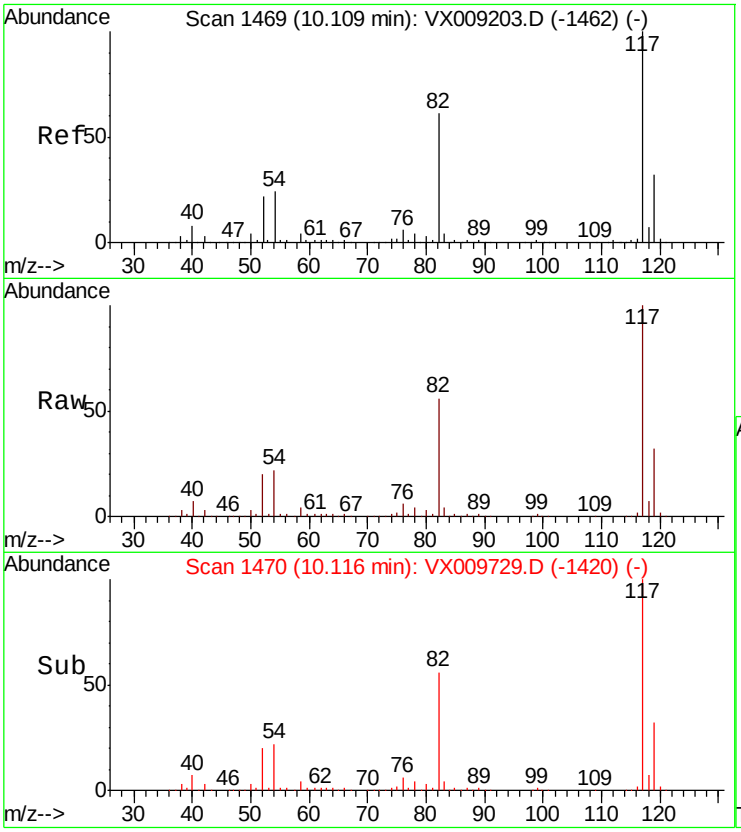




#62
4-Bromofluorobenzene
Concen: 44.924 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion: 95 Resp: 115858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.5 | 0.0 | 161.6 |
| 176 | 80.3 | 0.0 | 159.2 |



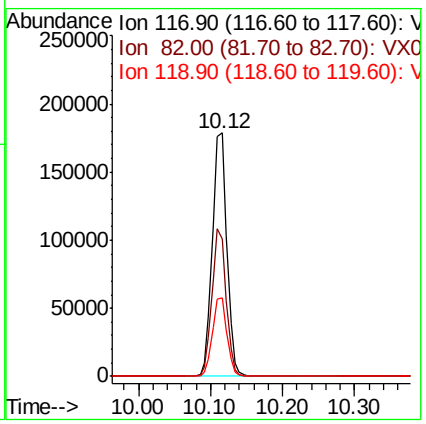


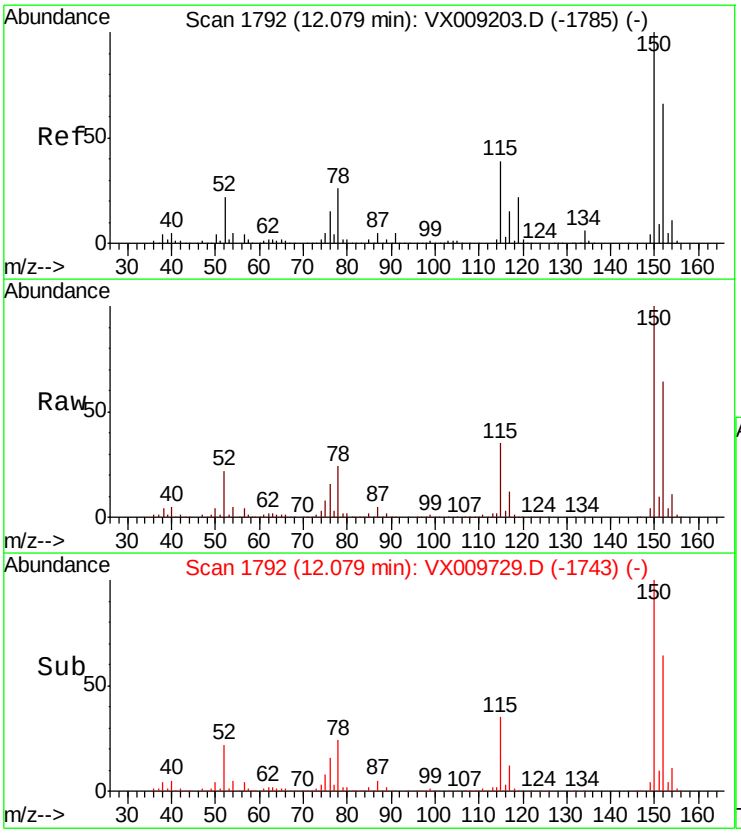

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion:117 Resp: 249194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.2 | 48.8 | 73.2 |
| 119 | 32.0 | 25.8 | 38.6 |

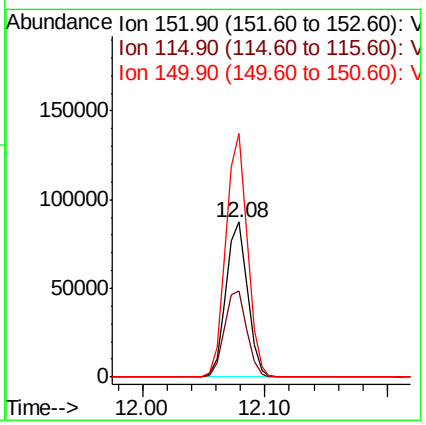


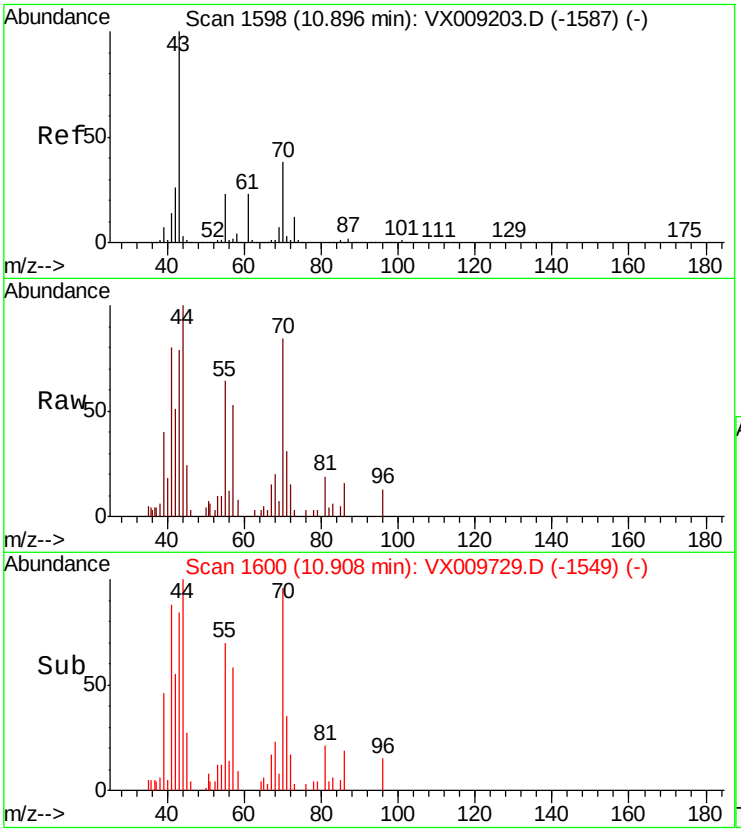




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion:152 Resp: 106315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 41.2 | 123.6 |
| 150 | 156.7 | 0.0 | 346.4 |



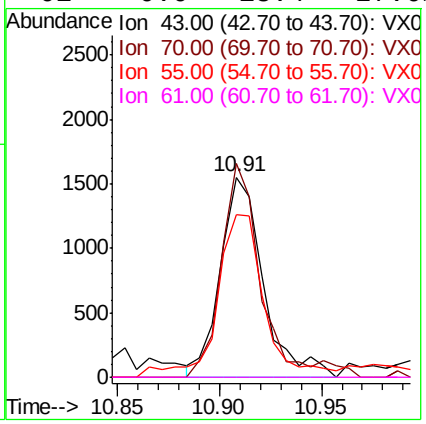


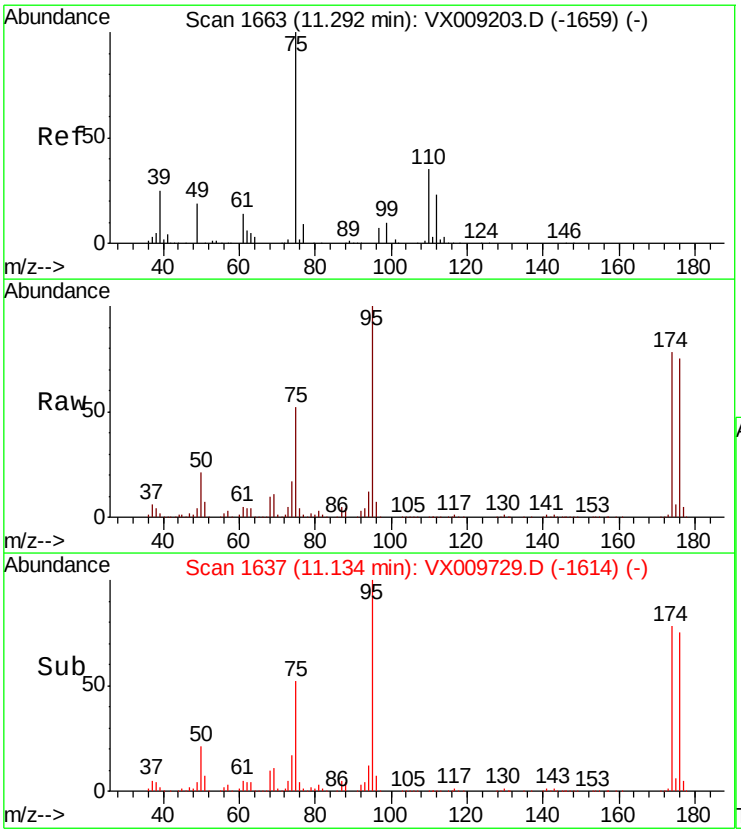

#74
N-amyl acetate
Concen: 0.499 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion: 43 Resp: 2248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 94.9 | 30.0 | 45.0# |
| 55 | 89.5 | 17.9 | 26.9# |
| 61 | 0.0 | 18.4 | 27.6# |

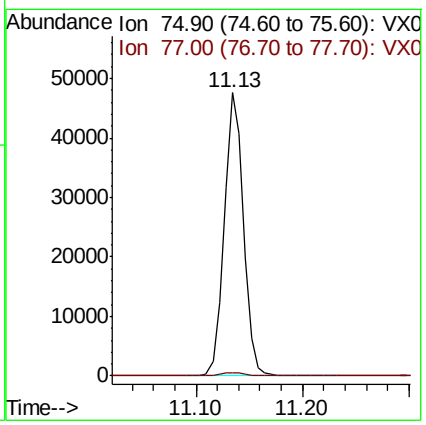


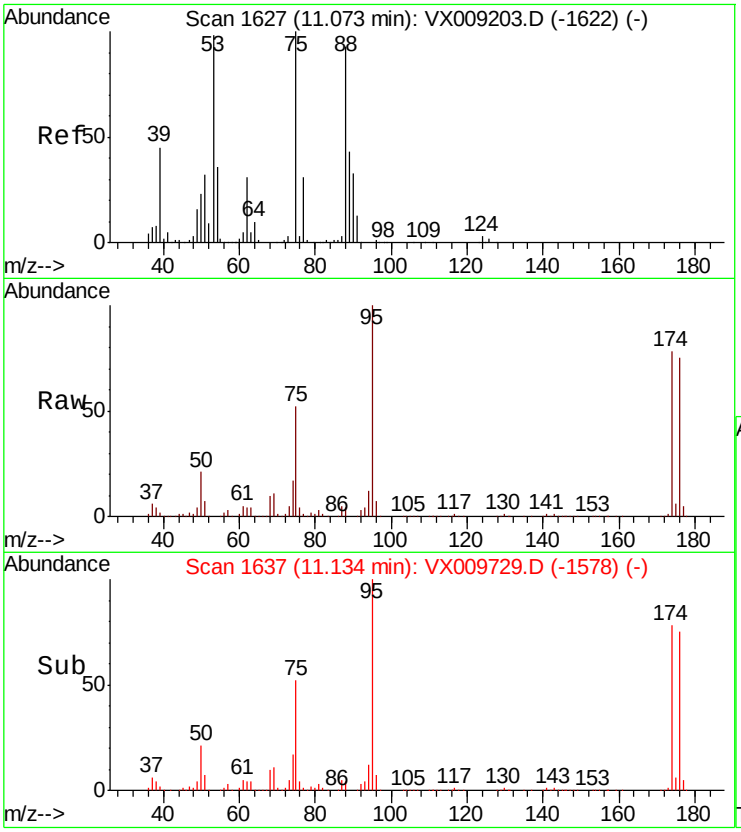




#76
1,2,3-Trichloropropane
Concen: 24.318 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

Tgt Ion: 75 Resp: 59970

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






#81
trans-1,4-Dichloro-2-butene
Concen: 62.220 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009729.D
Acq: 20 May 2019 16:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB202-DUP-20190516RE

Tgt Ion: 75 Resp: 59970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 79.0 | 118.6# |
| 89 | 0.1 | 34.7 | 52.1# |