

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\  
 Data File : VX004140.D  
 Acq On : 17 Aug 2018 18:49  
 Operator : JC/MD  
 Sample : PB112172TB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB112172TB

Quant Time: Aug 18 03:59:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 13:27:25 2018  
 Response via : Initial Calibration

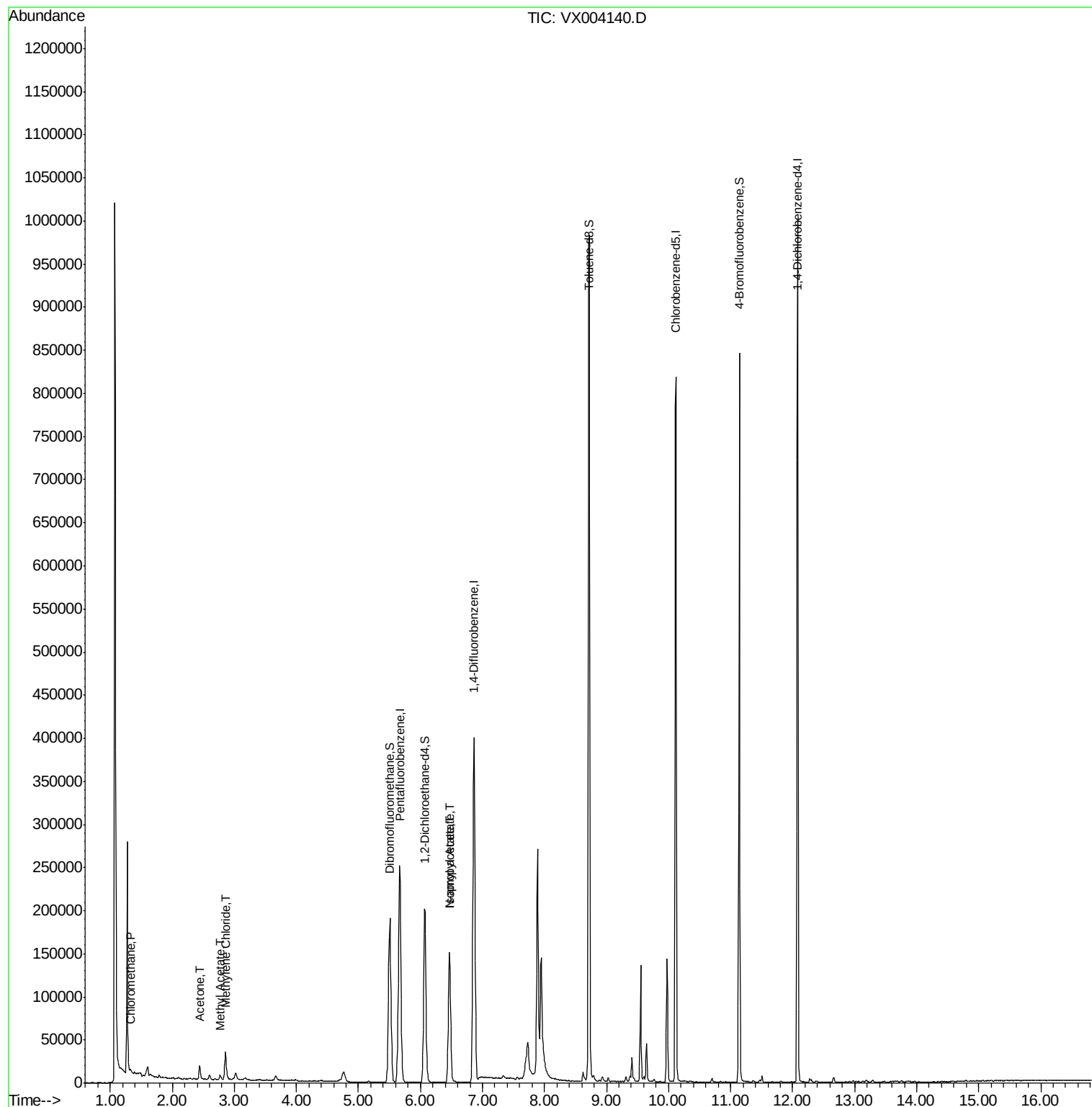
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 253682   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 412377   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 385307   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 207534   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 188937   | 52.86 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.72% |            |
| 35) Dibromofluoromethane    | 5.51  | 113  | 162391   | 52.62 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.24% |            |
| 50) Toluene-d8              | 8.72  | 98   | 599618   | 47.92 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.84%  |            |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 203596   | 44.86 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.72%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 3) Chloromethane            | 1.32  | 50   | 5592     | 1.85  | ug/l    | Qvalue 100 |
| 16) Acetone                 | 2.44  | 43   | 16740    | 9.01  | ug/l    | 95         |
| 18) Methyl Acetate          | 2.78  | 43   | 6303     | 1.53  | ug/l    | 94         |
| 20) Methylene Chloride      | 2.86  | 84   | 14858    | 4.34  | ug/l    | 95         |
| 43) Isopropyl Acetate       | 6.47  | 43   | 195041   | 25.89 | ug/l    | 99         |
| 74) N-amyl acetate          | 6.47  | 43   | 195041   | 29.53 | ug/l #  | 99         |

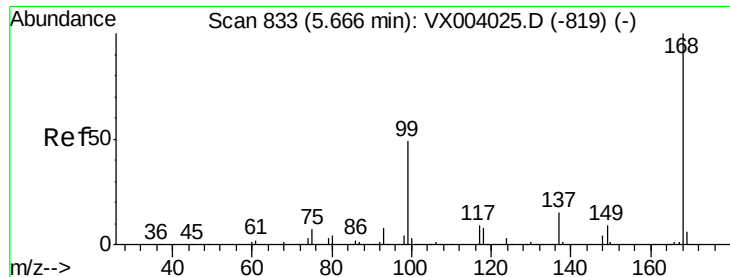
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081718\  
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MSVOA\_X  
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PB112172TB

Quant Time: Aug 18 03:59:30 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 14 13:27:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004140.D

Acq: 17 Aug 2018 18:49

Instrument :

MSVOA\_X

ClientSampleId :

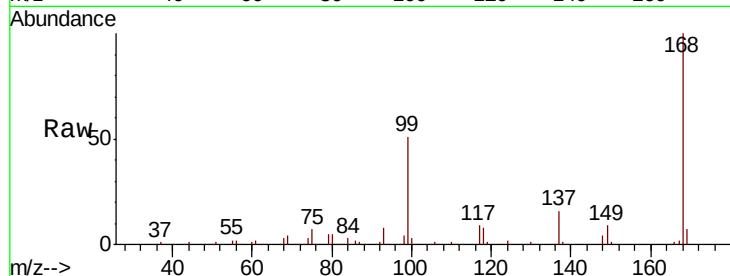
PB112172TB

Tot Ion:168 Resp: 253682

Ion Ratio Lower Upper

168 100

99 51.2 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

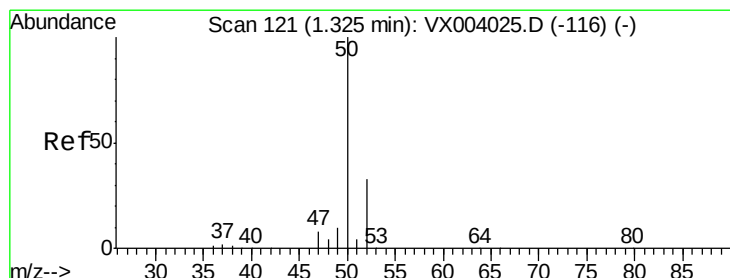
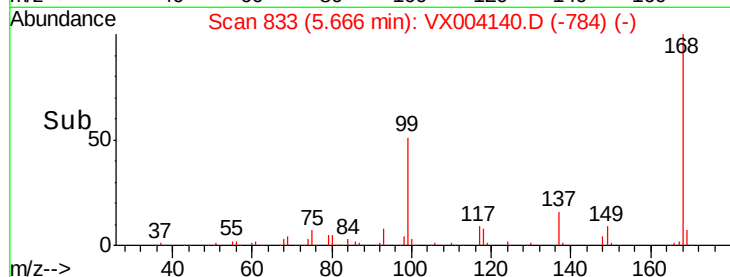
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.85 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004140.D

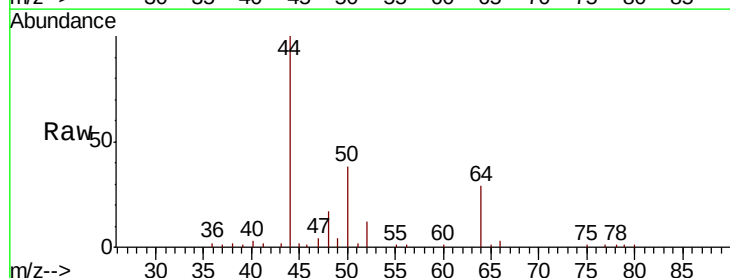
Acq: 17 Aug 2018 18:49

Tgt Ion: 50 Resp: 5592

Ion Ratio Lower Upper

50 100

52 33.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

4000

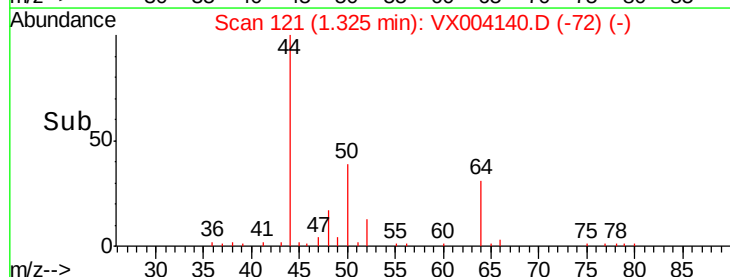
3000

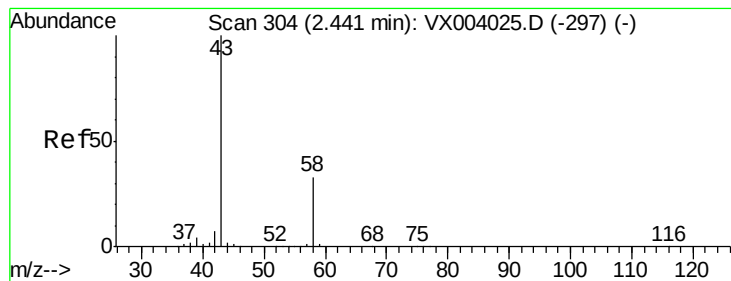
2000

1000

0

Time--> 1.25 1.30 1.35 1.40 1.45





#16

Acetone

Concen: 9.01 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004140.D

Acq: 17 Aug 2018 18:49

Instrument :

MSVOA\_X

ClientSampleId :

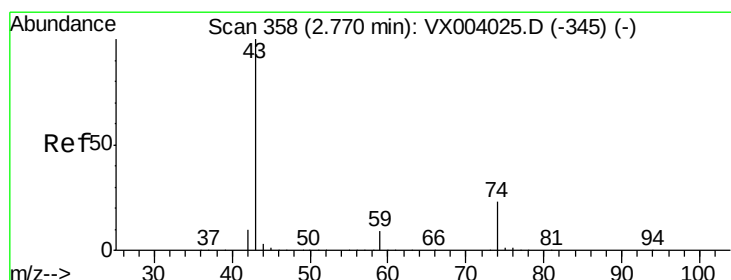
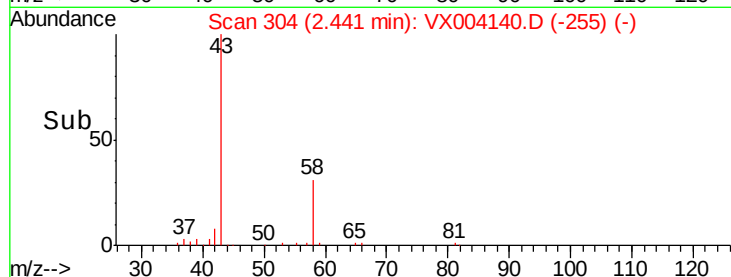
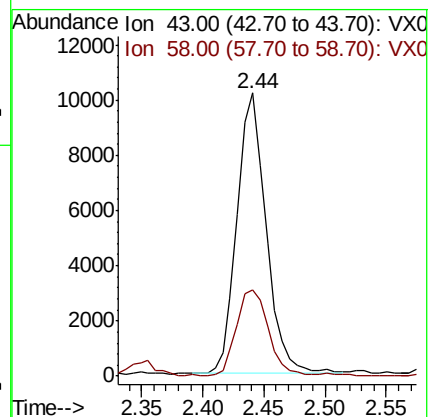
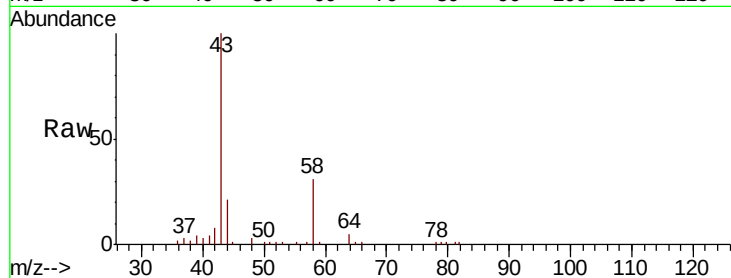
PB112172TB

Tot Ion: 43 Resp: 16740

Ion Ratio Lower Upper

43 100

58 30.4 26.4 39.6



#18

Methyl Acetate

Concen: 1.53 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004140.D

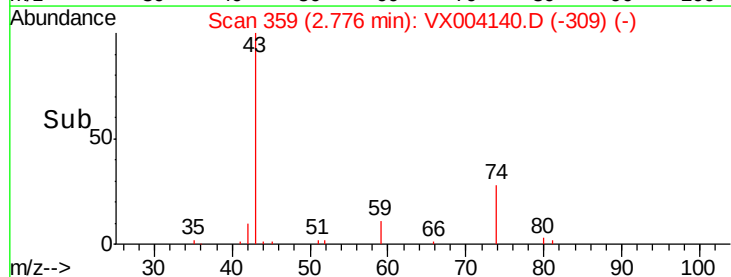
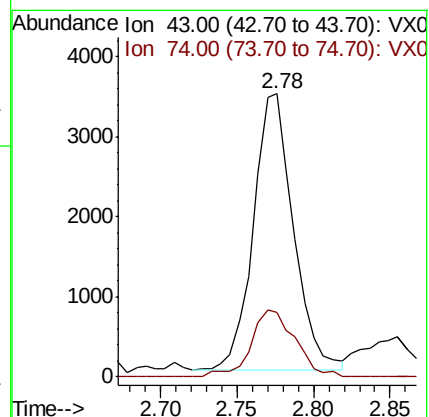
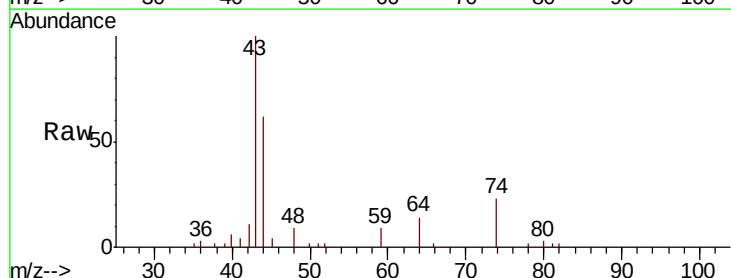
Acq: 17 Aug 2018 18:49

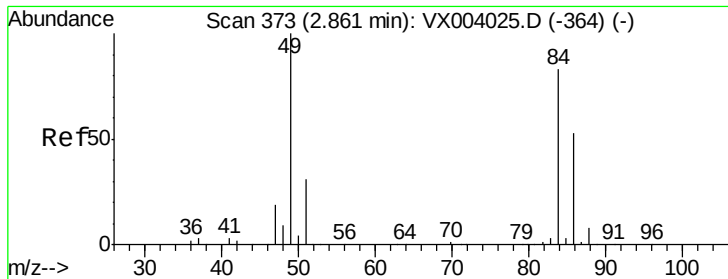
Tgt Ion: 43 Resp: 6303

Ion Ratio Lower Upper

43 100

74 26.7 18.9 28.3

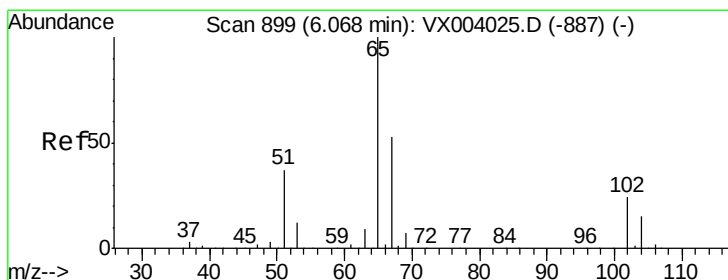
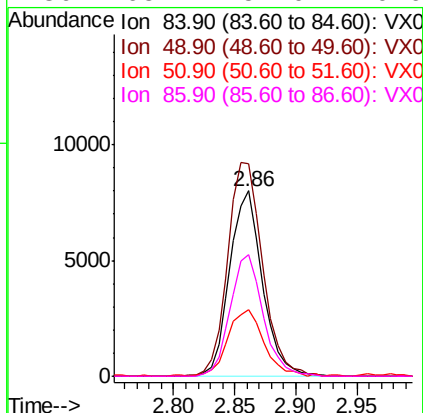
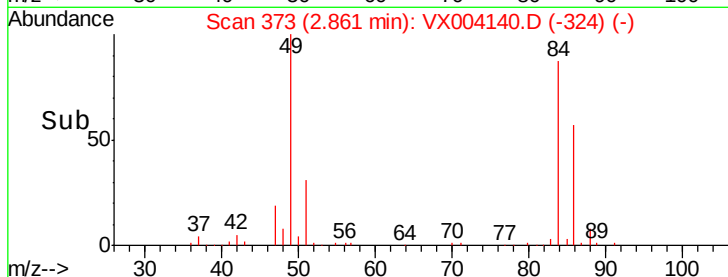
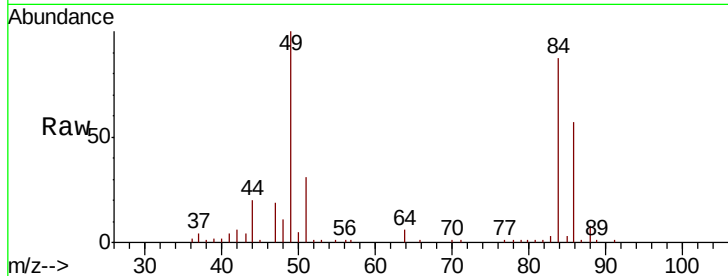




#20  
Methvlene Chloride  
Concen: 4.34 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX004140.D  
Acq: 17 Aug 2018 18:49

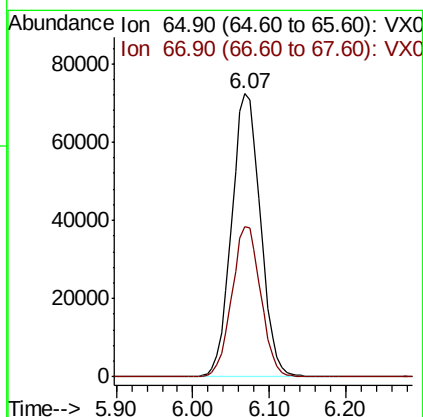
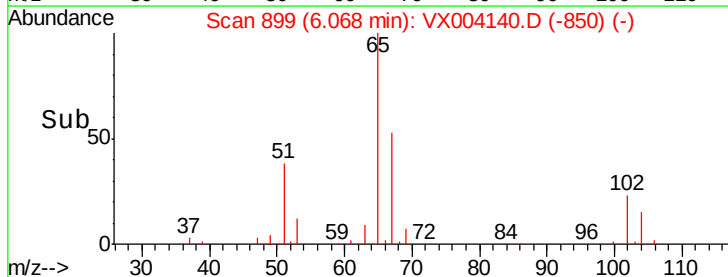
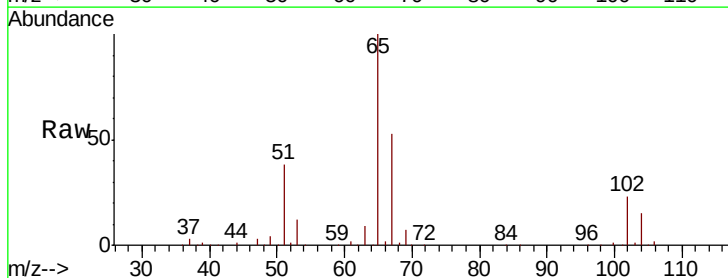
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB112172TB

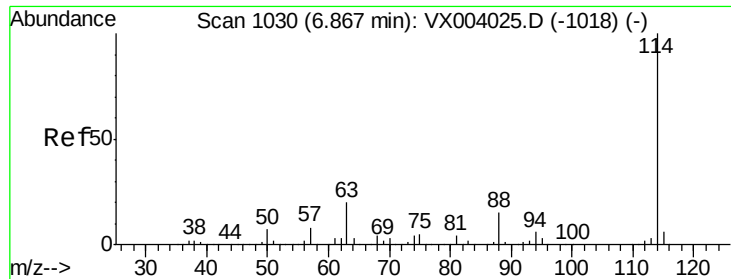
Tot Ion: 84 Resp: 14858  
Ion Ratio Lower Upper  
84 100  
49 114.9 98.9 148.3  
51 35.7 29.9 44.9  
86 65.7 51.0 76.6



#33  
1,2-Dichloroethane-d4  
Concen: 52.86 ug/l  
RT: 6.07 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: VX004140.D  
Acq: 17 Aug 2018 18:49

Tgt Ion: 65 Resp: 188937  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.8

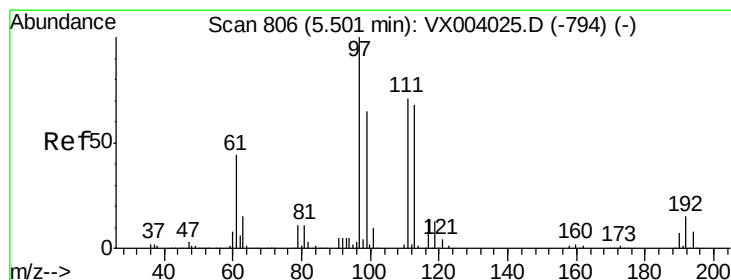
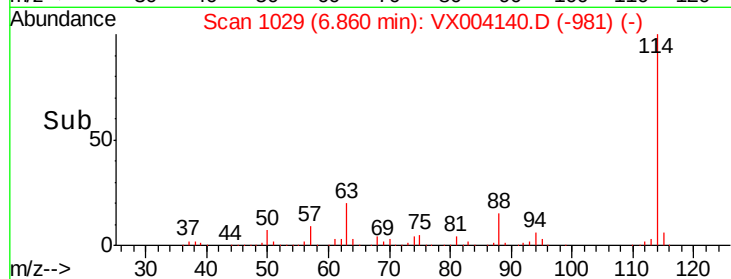
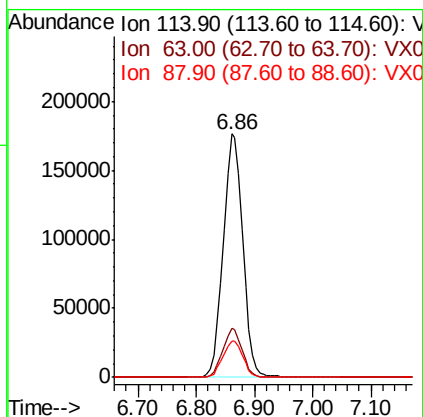
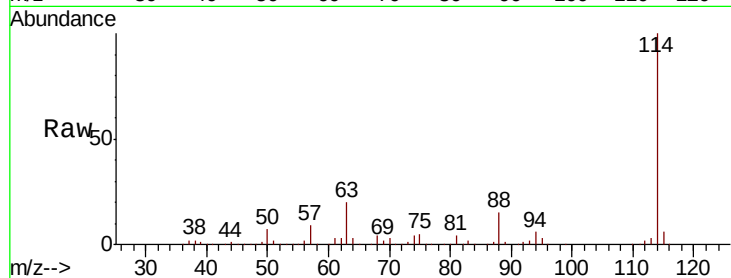




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: VX004140.D  
 Acq: 17 Aug 2018 18:49

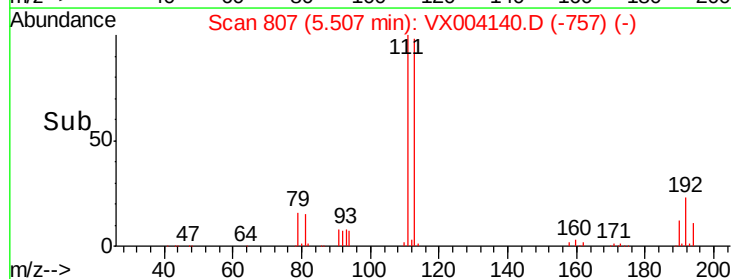
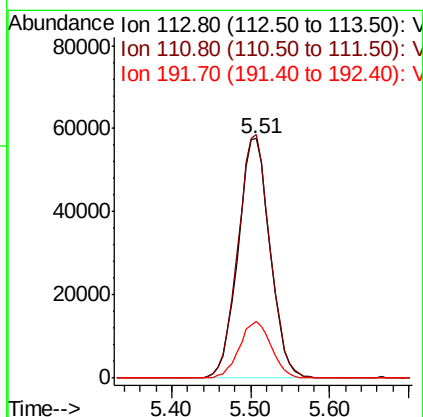
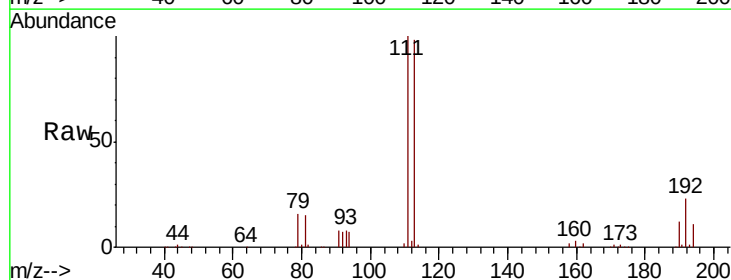
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB112172TB

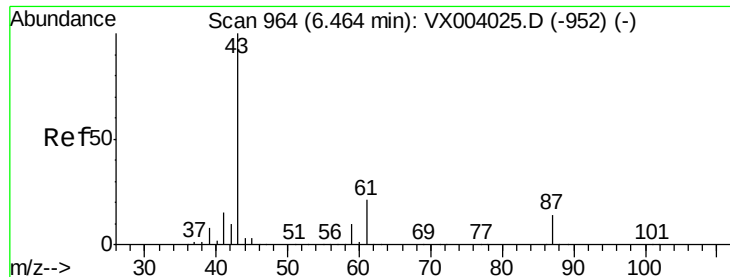
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.0  | 0.0   | 39.0  |
| 88      | 15.2  | 0.0   | 32.0  |



#35  
 Dibromofluoromethane  
 Concen: 52.62 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.01 min  
 Lab File: VX004140.D  
 Acq: 17 Aug 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 82.0  | 123.0 |
| 192     | 23.5  | 19.0  | 28.4  |





#43

Isopropyl Acetate

Concen: 25.89 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004140.D

Acq: 17 Aug 2018 18:49

Instrument :

MSVOA\_X

ClientSampleId :

PB112172TB

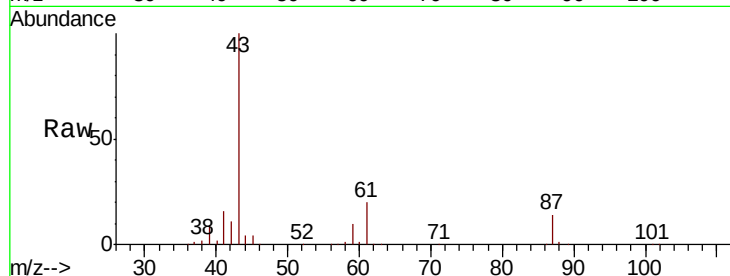
Tot Ion: 43 Resp: 195041

Ion Ratio Lower Upper

43 100

61 20.5 16.9 25.3

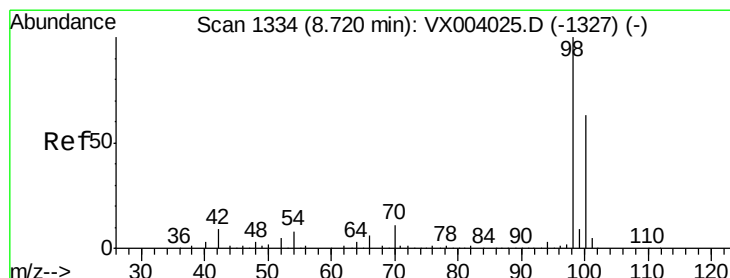
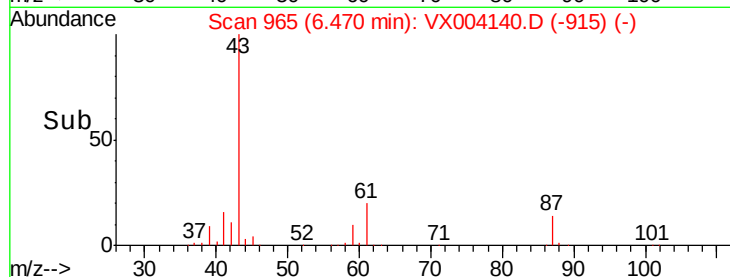
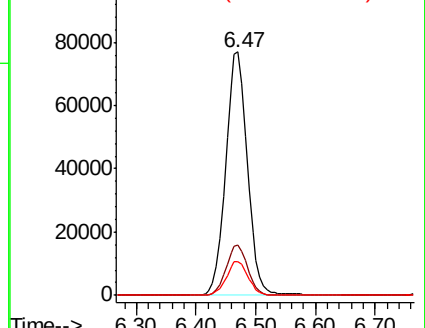
87 14.0 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 47.92 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004140.D

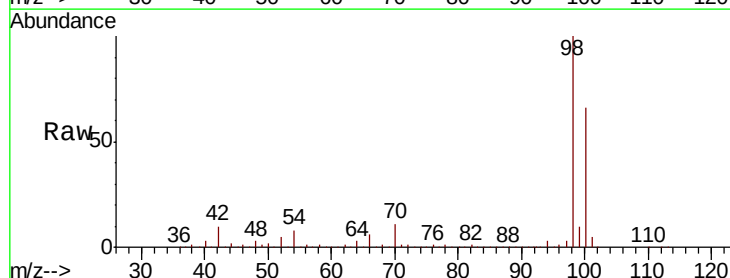
Acq: 17 Aug 2018 18:49

Tgt Ion: 98 Resp: 599618

Ion Ratio Lower Upper

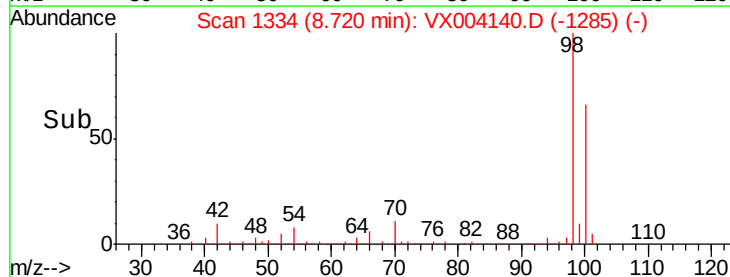
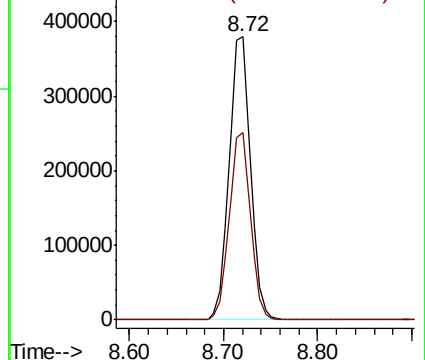
98 100

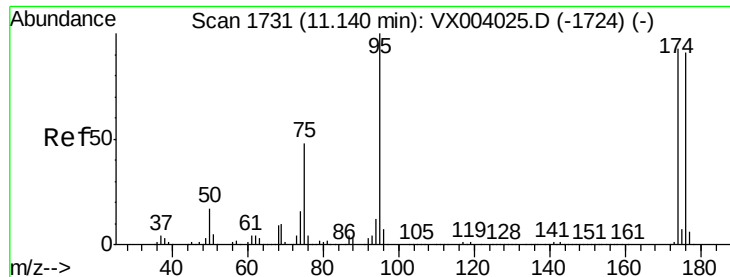
100 65.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

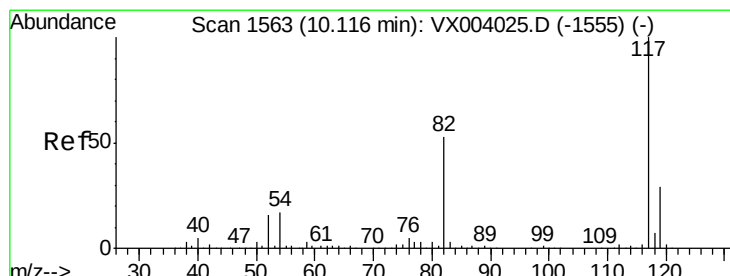
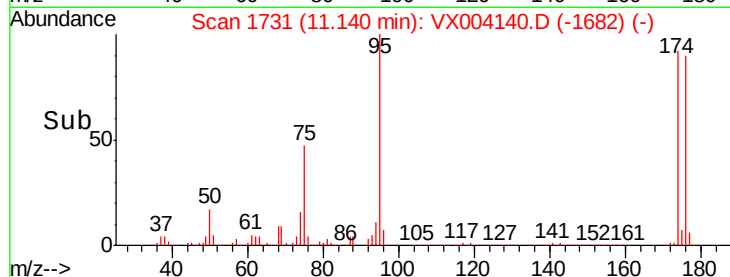
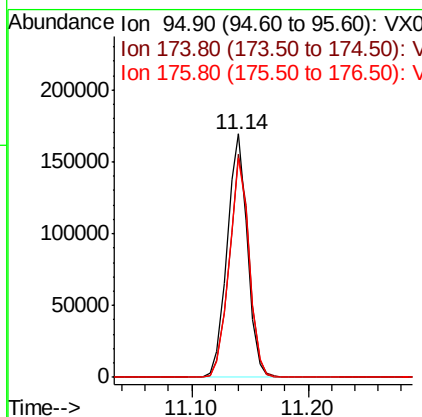
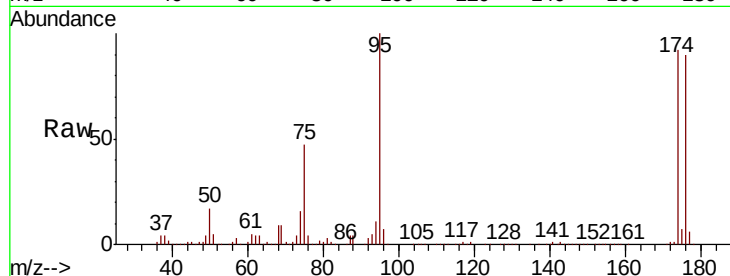




#62  
4-Bromofluorobenzene  
Concen: 44.86 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX004140.D  
Acq: 17 Aug 2018 18:49

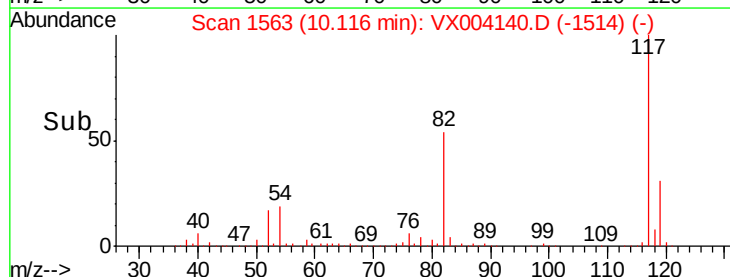
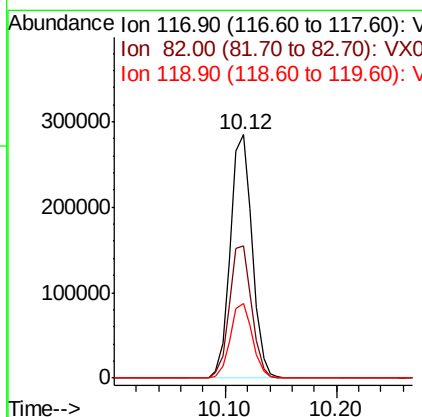
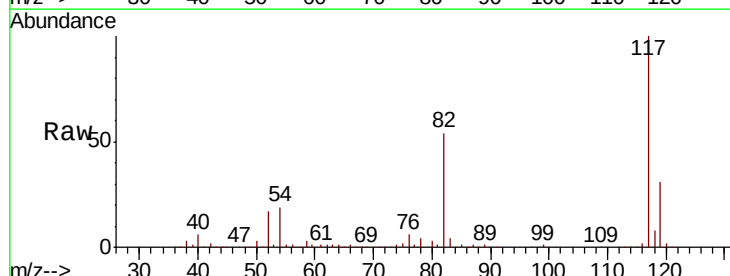
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB112172TB

| Tot Ion   | 95    | Resp  | 203596 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 90.4  | 0.0   | 182.8  |
| 176       | 89.0  | 0.0   | 179.0  |

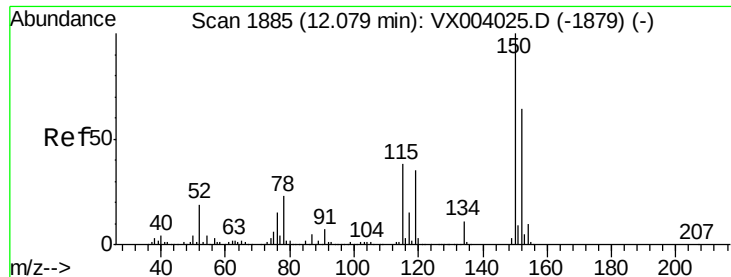


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004140.D  
Acq: 17 Aug 2018 18:49

| Tgt Ion   | 117   | Resp  | 385307 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 54.2  | 45.4  | 68.0   |
| 119       | 30.6  | 26.6  | 40.0   |







#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004140.D

Acq: 17 Aug 2018 18:49

Instrument :

MSVOA\_X

ClientSampleId :

PB112172TB

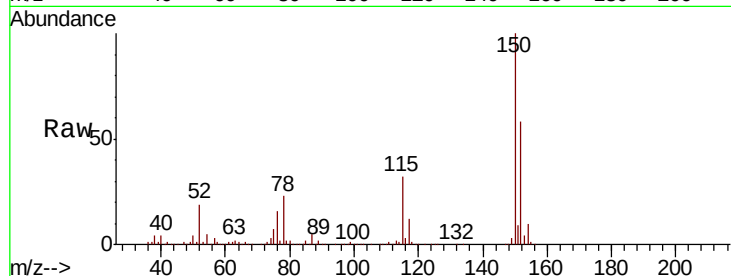
Tot Ion:152 Resp: 207534

Ion Ratio Lower Upper

152 100

115 54.4 39.1 117.3

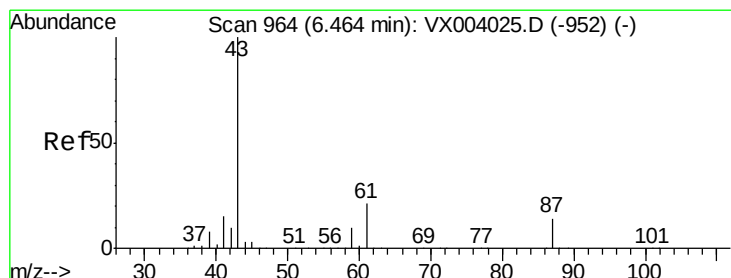
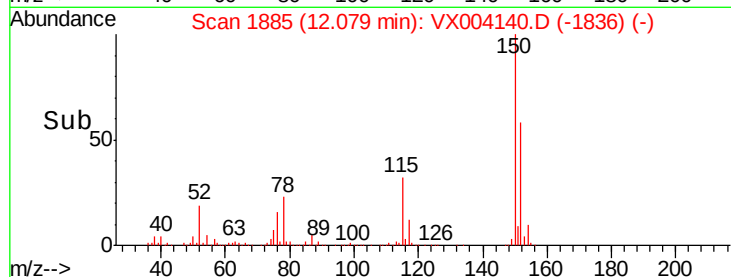
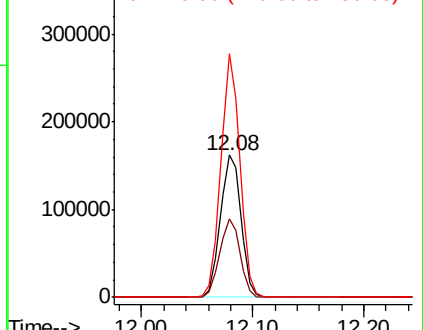
150 158.5 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 29.53 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004140.D

Acq: 17 Aug 2018 18:49

Tgt Ion: 43 Resp: 195041

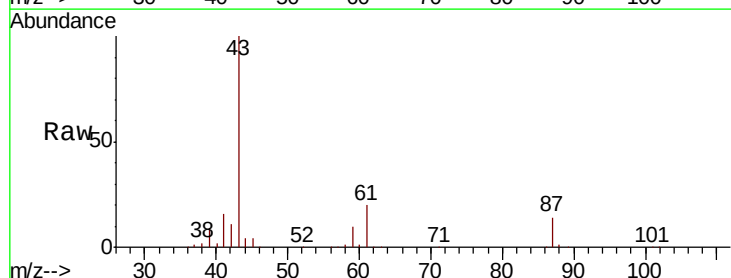
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.5 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

