

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071818\  
 Data File : VX003457.D  
 Acq On : 18 Jul 2018 19:34  
 Operator : JC/MD  
 Sample : PB111206ZHE#03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB111206ZHE#03

Quant Time: Jul 19 03:25:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071618W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 16 13:15:28 2018  
 Response via : Initial Calibration

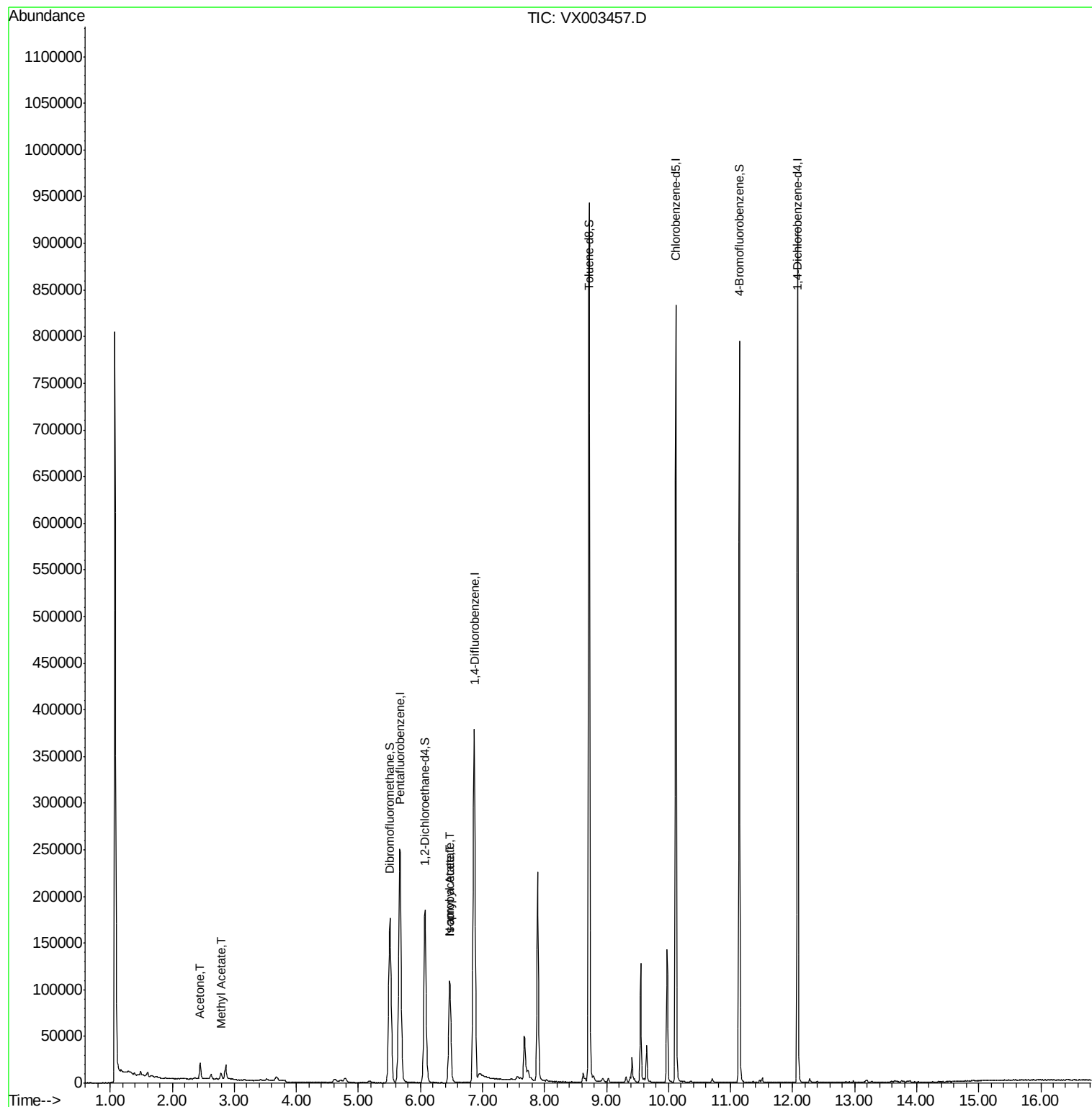
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 263165   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 396866   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 380228   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 202006   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 171517   | 49.77 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.54% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 149003   | 46.40 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.80% |          |
| 50) Toluene-d8              | 8.72  | 98   | 575228   | 48.54 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.08% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 194539   | 45.98 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.96% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 18887    | 13.18 | ug/l   | 91       |
| 18) Methyl Acetate          | 2.78  | 43   | 7778     | 1.67  | ug/l # | 88       |
| 20) Methylene Chloride      | 2.86  | 84   | 6822     | Below | Cal    | 88       |
| 43) Isopropyl Acetate       | 6.47  | 43   | 142955   | 20.91 | ug/l   | 95       |
| 74) N-amyl acetate          | 6.47  | 43   | 142955   | 22.98 | ug/l # | 94       |

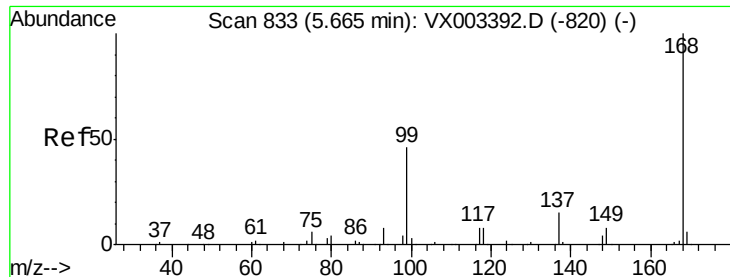
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071818\  
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Sample : PB111206ZHE#03  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB111206ZHE#03

Quant Time: Jul 19 03:25:46 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X071618W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 16 13:15:28 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: VX003457.D

Acq: 18 Jul 2018 19:34

Instrument :

MSVOA\_X

ClientSampleId :

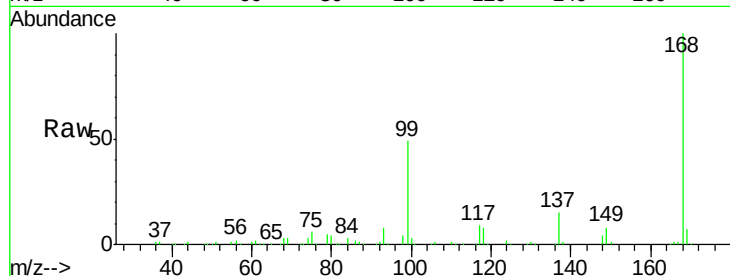
PB111206ZHE#03

Tot Ion:168 Resp: 263165

Ion Ratio Lower Upper

168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

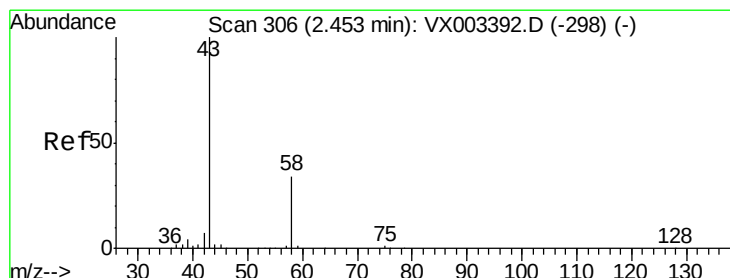
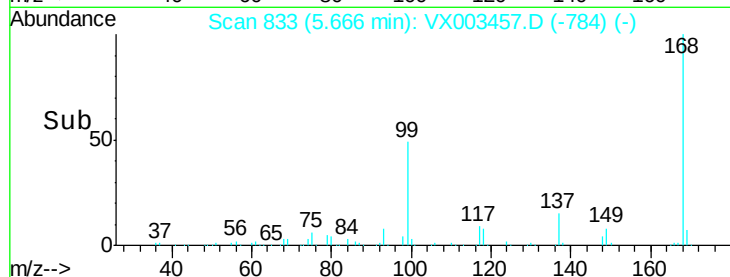
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 13.18 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003457.D

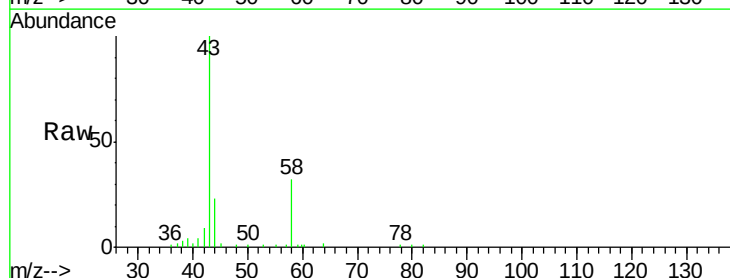
Acq: 18 Jul 2018 19:34

Tgt Ion: 43 Resp: 18887

Ion Ratio Lower Upper

43 100

58 32.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

12000

10000

8000

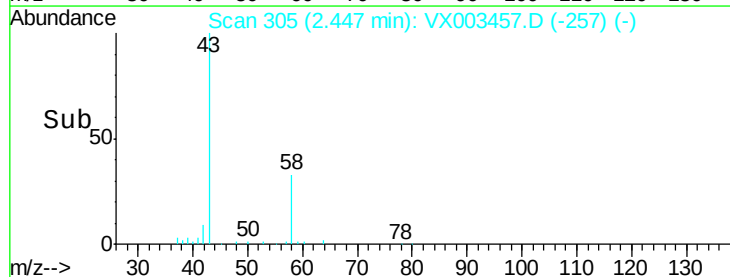
6000

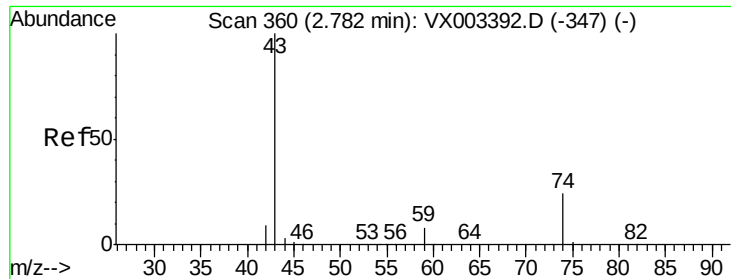
4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55

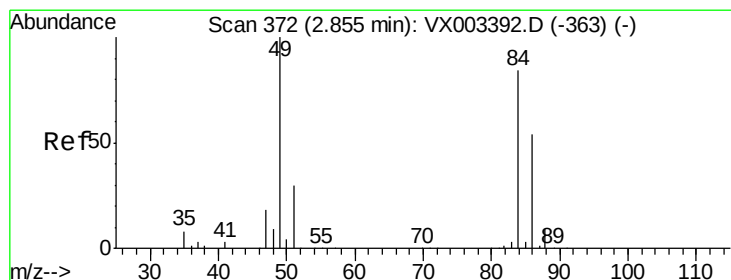
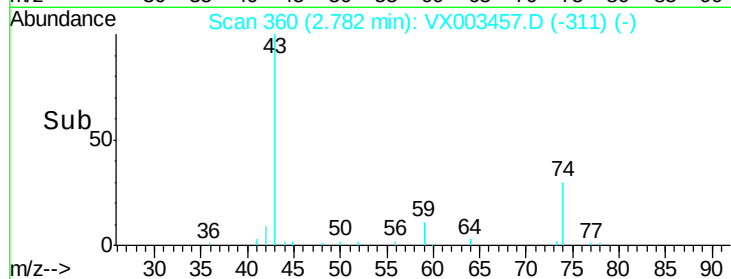
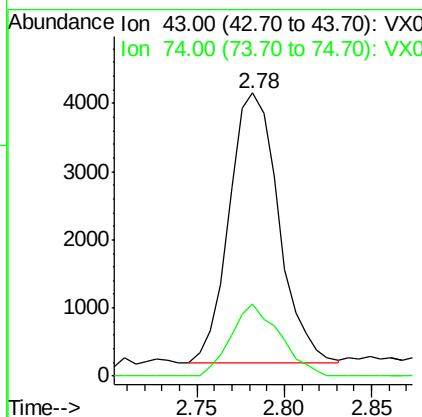
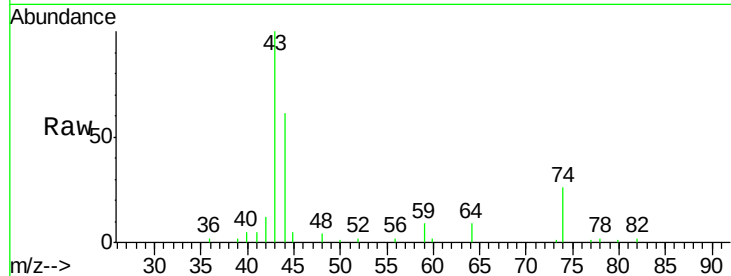




#18  
Methyl Acetate  
Concen: 1.67 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX003457.D  
Acq: 18 Jul 2018 19:34

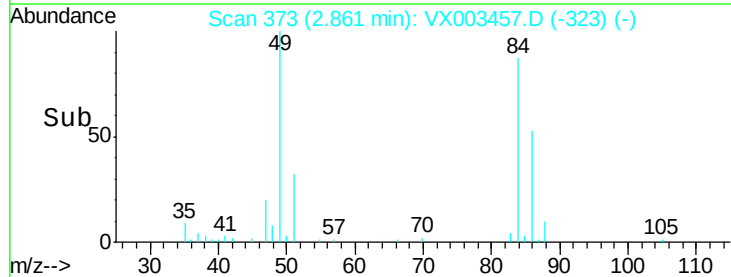
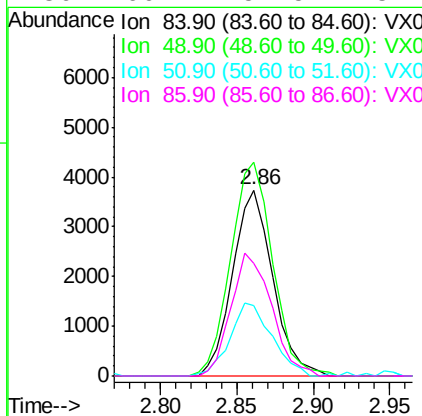
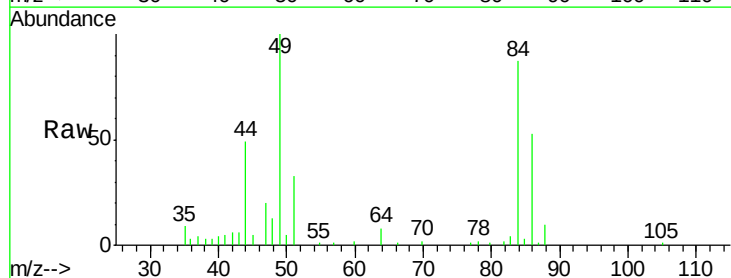
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB111206ZHE#03

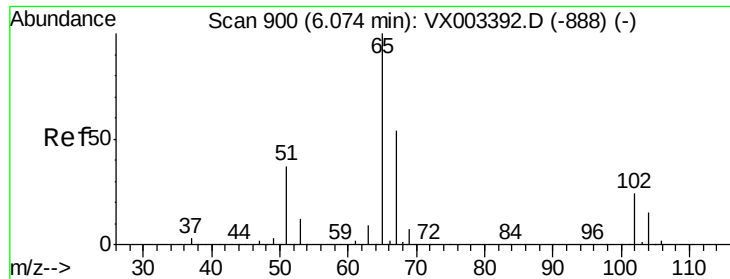
Tot Ion: 43 Resp: 7778  
Ion Ratio Lower Upper  
43 100  
74 26.5 16.7 25.1#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.86 min Scan# 373  
Delta R.T. 0.01 min  
Lab File: VX003457.D  
Acq: 18 Jul 2018 19:34

Tgt Ion: 84 Resp: 6822  
Ion Ratio Lower Upper  
84 100  
49 114.7 107.8 161.6  
51 37.7 32.8 49.2  
86 60.7 52.5 78.7

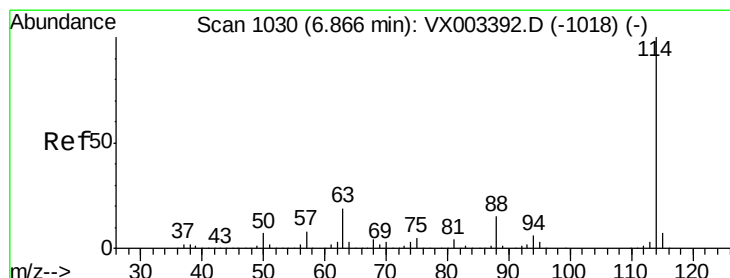
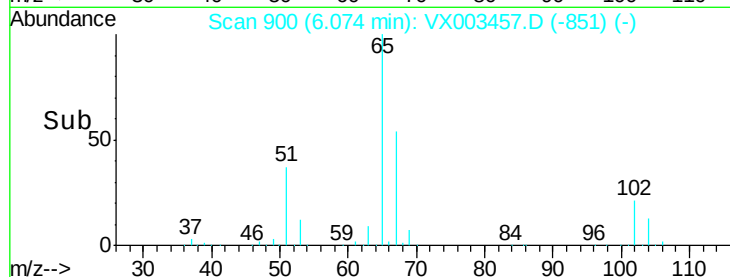
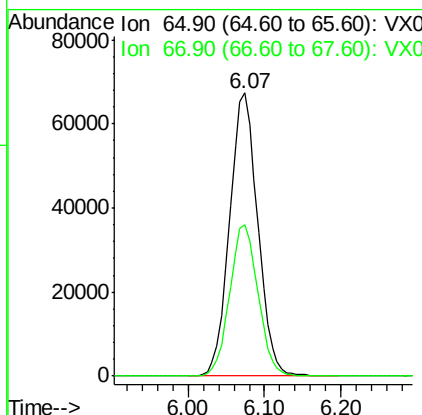
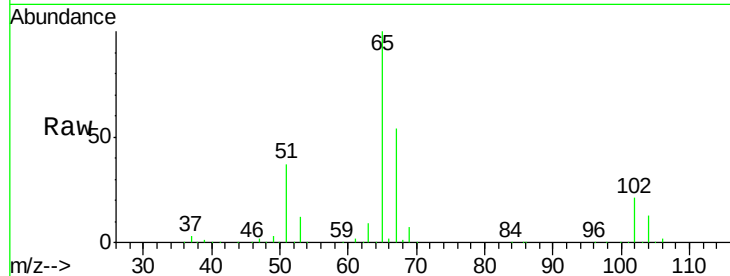




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.77 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX003457.D  
 Acq: 18 Jul 2018 19:34

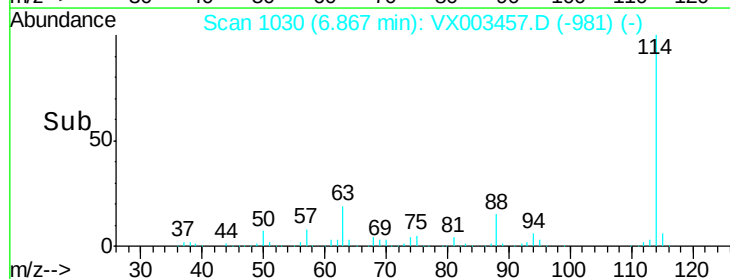
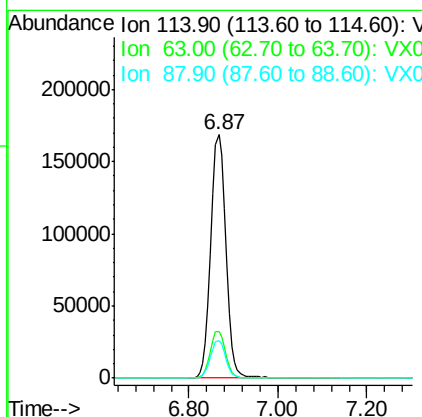
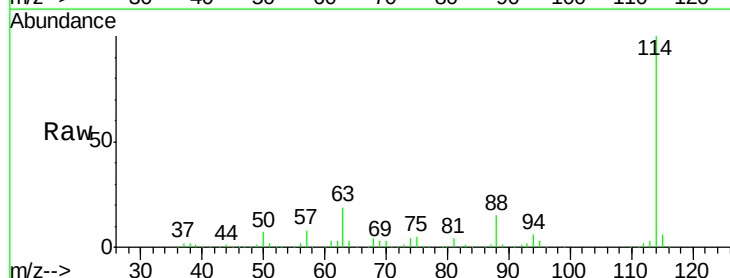
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB111206ZHE#03

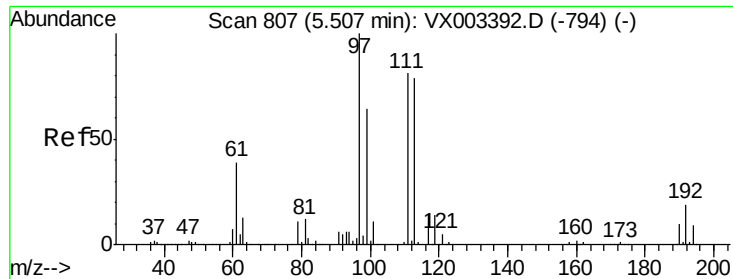
Tot Ion: 65 Resp: 171517  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX003457.D  
 Acq: 18 Jul 2018 19:34

Tgt Ion: 114 Resp: 396866  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 41.4  
 88 15.4 0.0 30.0

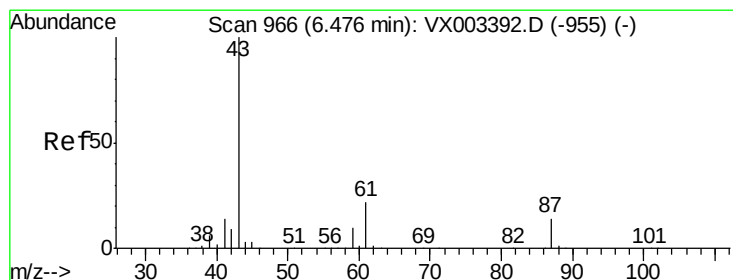
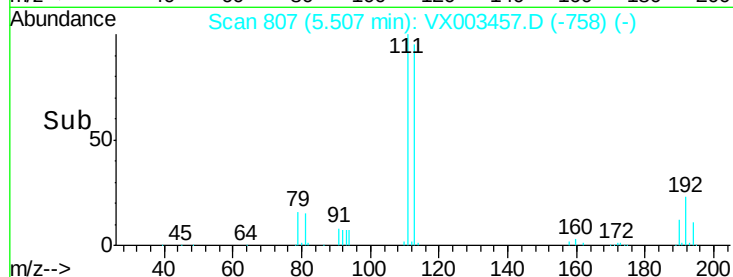
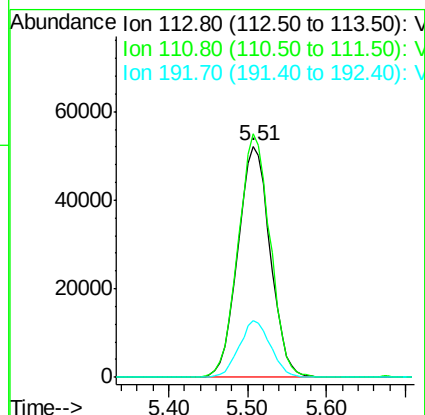
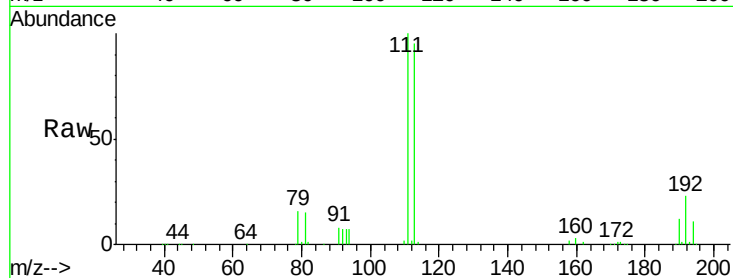




#35  
 Dibromofluoromethane  
 Concen: 46.40 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX003457.D  
 Acq: 18 Jul 2018 19:34

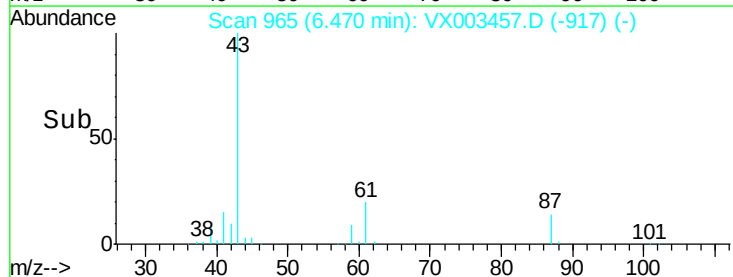
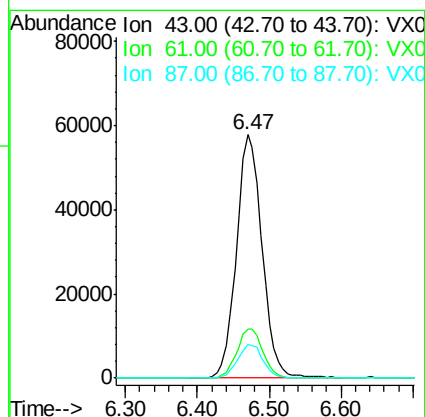
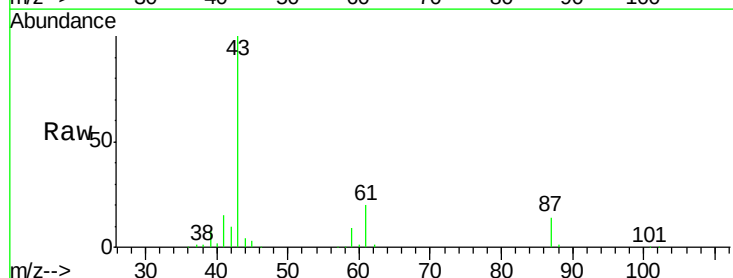
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB111206ZHE#03

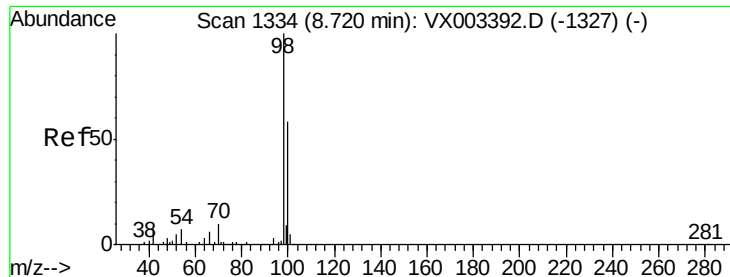
Tot Ion:113 Resp: 149003  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 81.4 122.0  
 192 23.8 19.1 28.7



#43  
 Isopropyl Acetate  
 Concen: 20.91 ug/l  
 RT: 6.47 min Scan# 965  
 Delta R.T. -0.01 min  
 Lab File: VX003457.D  
 Acq: 18 Jul 2018 19:34

Tgt Ion: 43 Resp: 142955  
 Ion Ratio Lower Upper  
 43 100  
 61 20.5 14.4 21.6  
 87 13.7 9.5 14.3





#50

Toluene-d8

Concen: 48.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003457.D

Acq: 18 Jul 2018 19:34

Instrument :

MSVOA\_X

ClientSampleId :

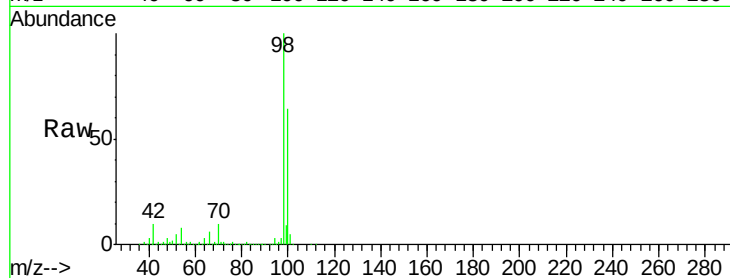
PB111206ZHE#03

Tot Ion: 98 Resp: 575228

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

400000

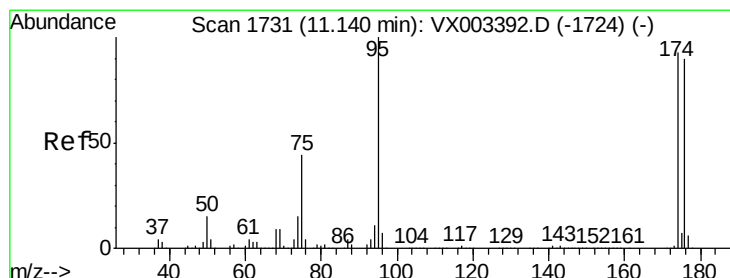
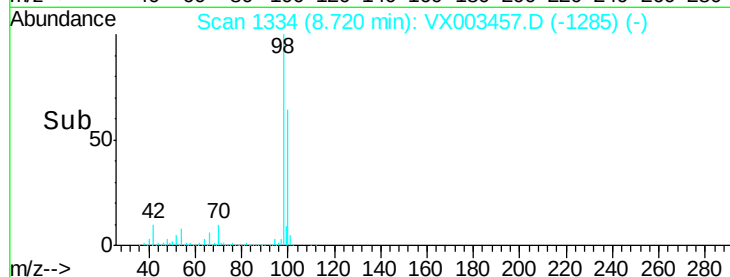
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003457.D

Acq: 18 Jul 2018 19:34

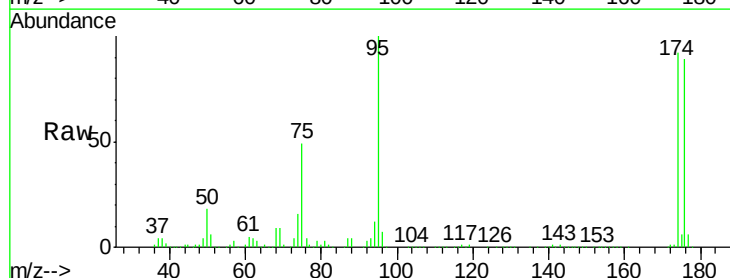
Tgt Ion: 95 Resp: 194539

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.4

176 90.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

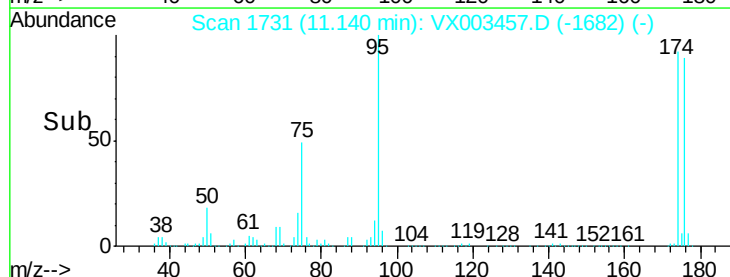
150000

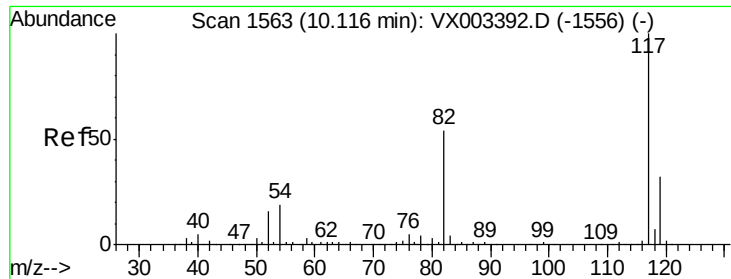
100000

50000

0

Time-->

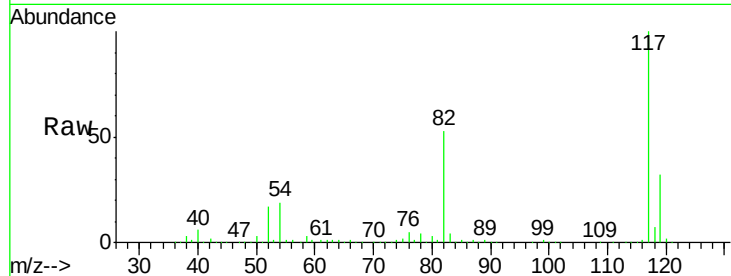




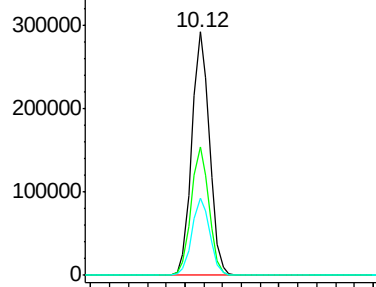
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003457.D  
Acq: 18 Jul 2018 19:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB111206ZHE#03

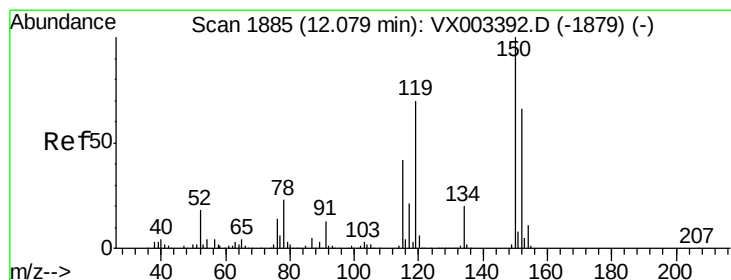
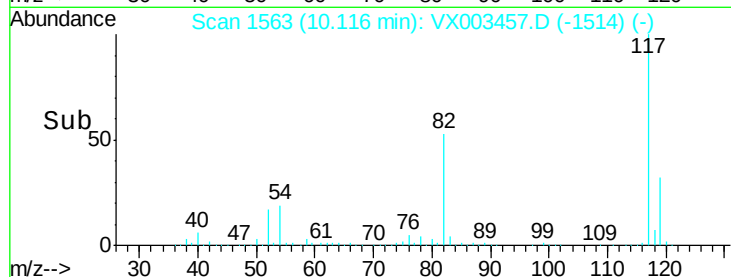
Tot Ion:117 Resp: 380228  
Ion Ratio Lower Upper  
117 100  
82 52.8 45.0 67.4  
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

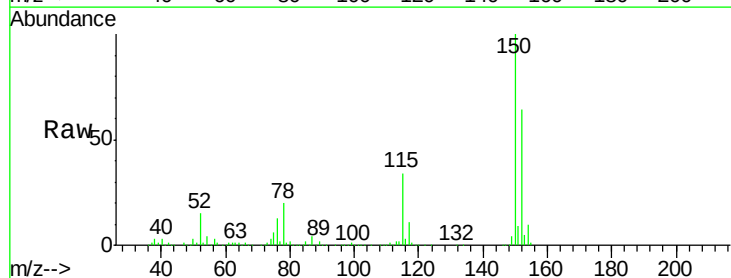


Time--> 10.00 10.10 10.20

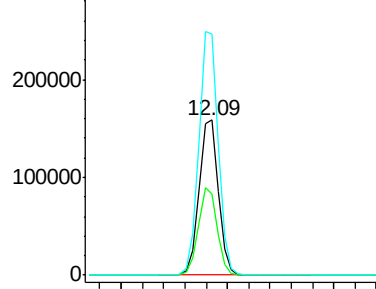


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.01 min  
Lab File: VX003457.D  
Acq: 18 Jul 2018 19:34

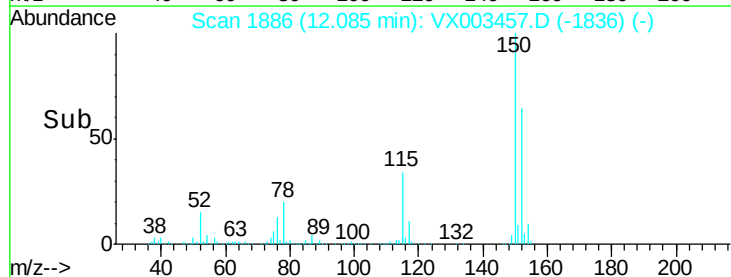
Tgt Ion:152 Resp: 202006  
Ion Ratio Lower Upper  
152 100  
115 54.9 40.1 120.2  
150 157.2 0.0 347.2



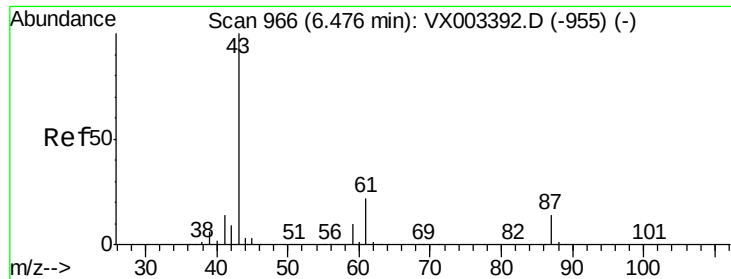
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



Time--> 12.00 12.10 12.20







#74  
 N-amvl acetate  
 Concen: 22.98 ug/l  
 RT: 6.47 min Scan# 965  
 Delta R.T. -0.01 min  
 Lab File: VX003457.D  
 Acq: 18 Jul 2018 19:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB111206ZHE#03

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 142955 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 70       | 0.0   | 0.0   | 0.0    |
| 55       | 0.0   | 0.0   | 0.0#   |
| 61       | 20.5  | 14.4  | 21.6   |

