

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012720\  
 Data File : VX014734.D  
 Acq On : 27 Jan 2020 18:14  
 Operator : JC/SP  
 Sample : PB126348ZHE#09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB126348ZHE#09

Quant Time: Jan 28 06:01:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 22 12:35:15 2020  
 Response via : Initial Calibration

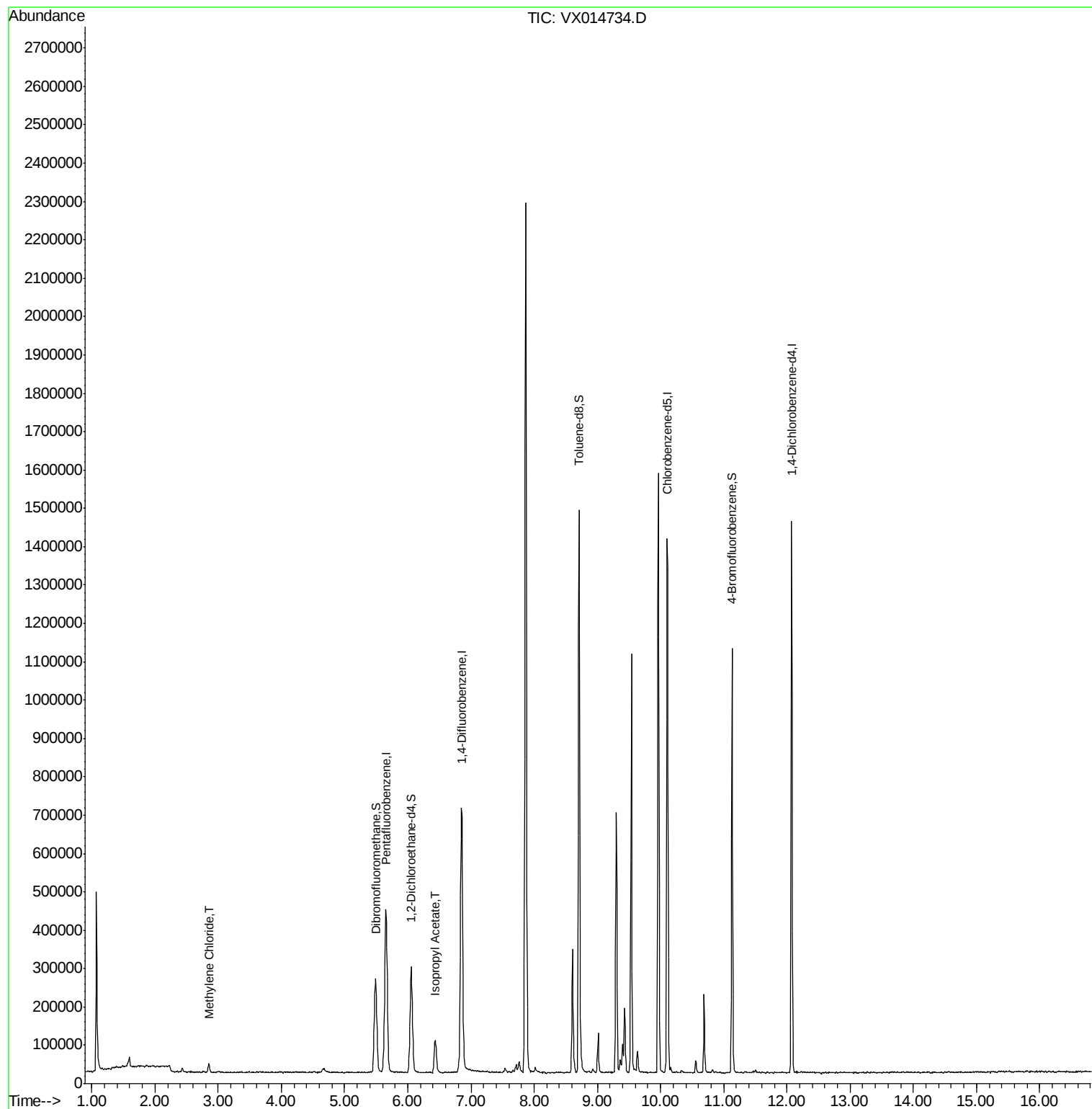
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 441266   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 698408   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 646548   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 291747   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 253523   | 49.20 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.40%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 213387   | 48.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.84%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 857858   | 50.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.28% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 288821   | 47.86 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.72%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 2.85  | 84   | 11718    | 2.242 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 6.44  | 43   | 115310   | 9.474 | ug/l    | 98       |

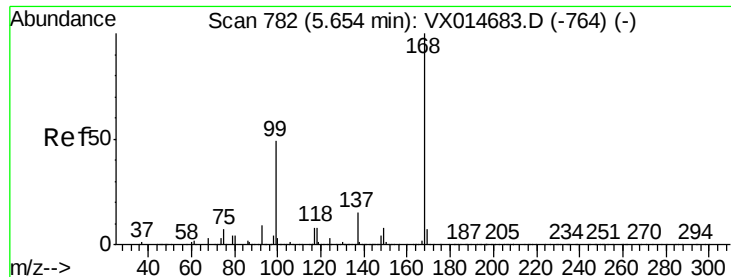
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jan 22 12:35:15 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA\_X

ClientSampleId :

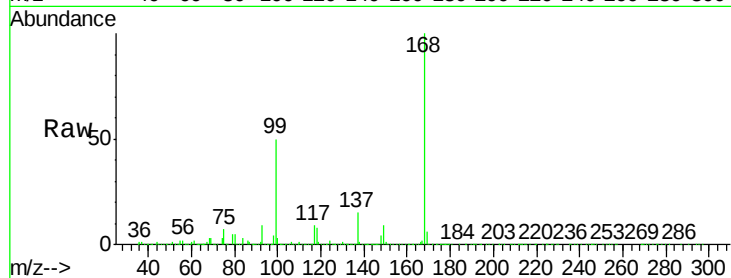
PB126348ZHE#09

Tot Ion:168 Resp: 441266

Ion Ratio Lower Upper

168 100

99 50.3 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

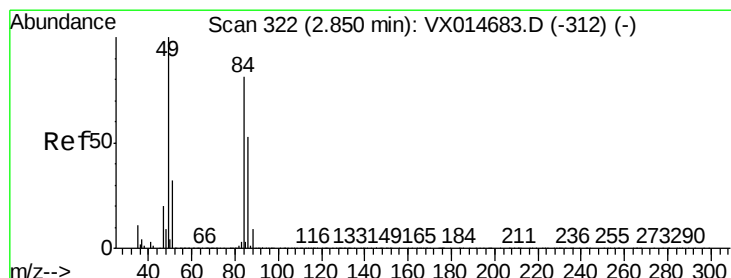
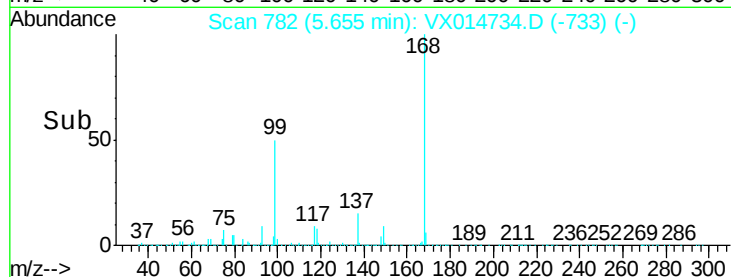
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 2.242 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Tgt Ion: 84 Resp: 11718

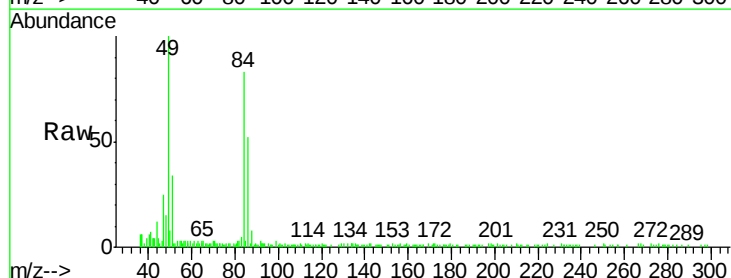
Ion Ratio Lower Upper

84 100

49 116.8 98.2 147.4

51 38.9 31.3 46.9

86 59.6 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

10000

8000

6000

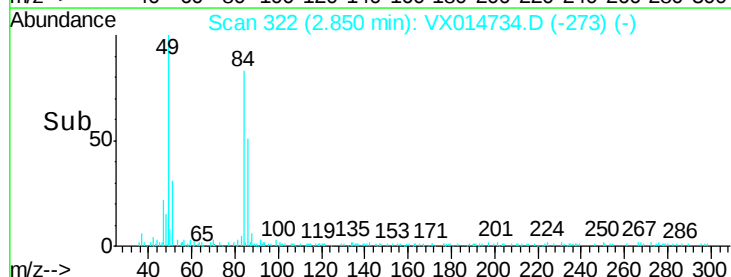
4000

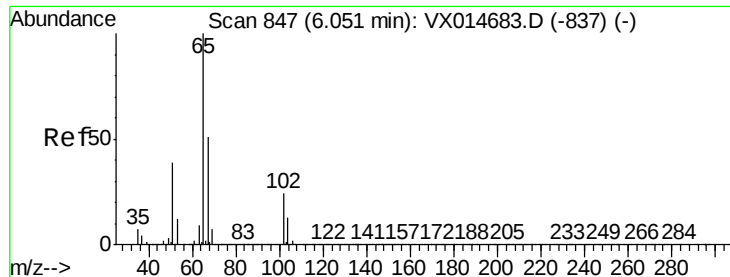
2000

0

Time-->

2.80 2.90





#33

1,2-Dichloroethane-d4

Concen: 49.200 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA\_X

ClientSampleId :

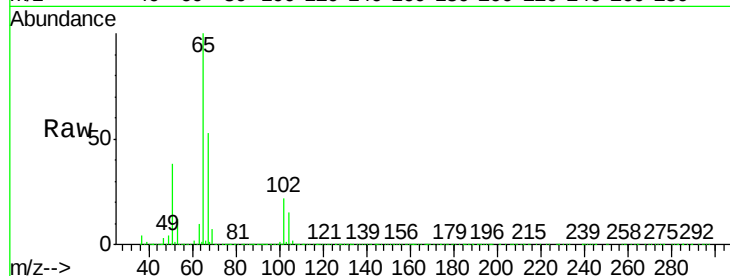
PB126348ZHE#09

Tot Ion: 65 Resp: 253523

Ion Ratio Lower Upper

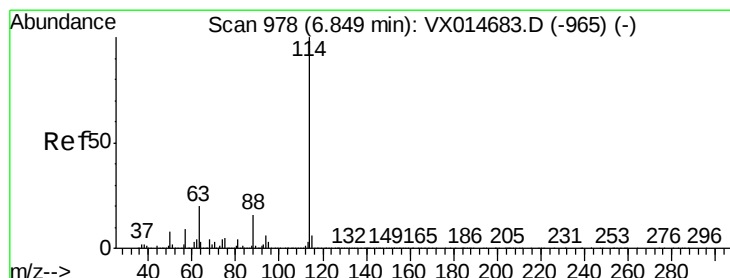
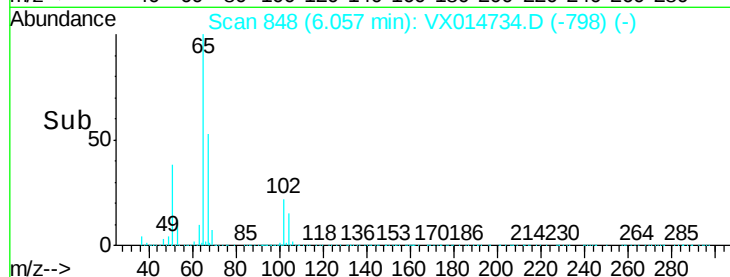
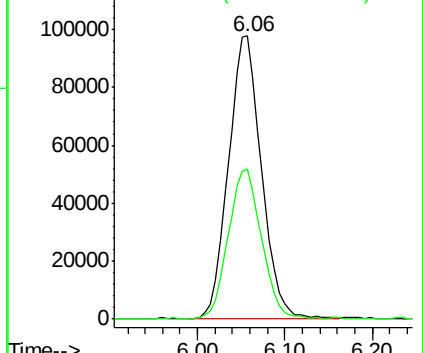
65 100

67 53.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

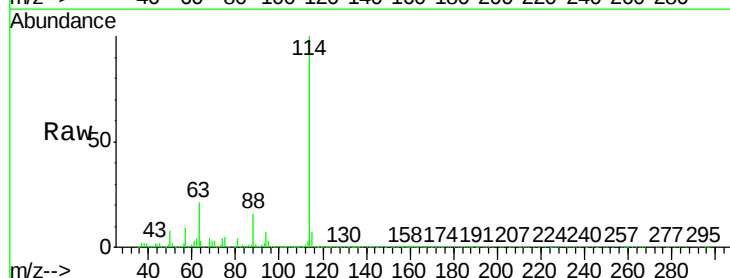
Tgt Ion: 114 Resp: 698408

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.6

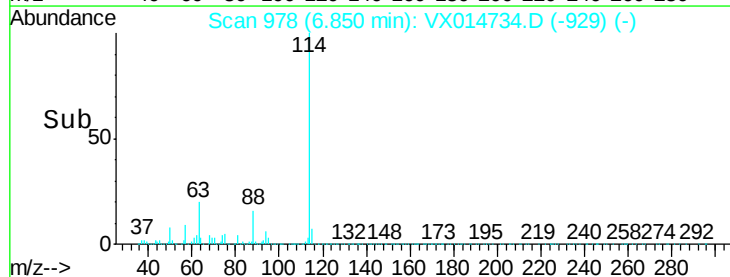
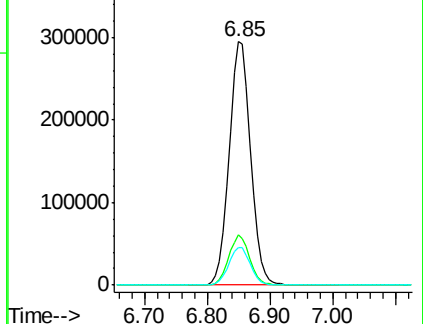
88 15.6 0.0 31.2

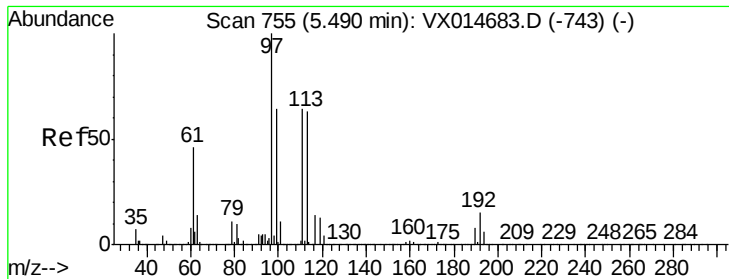


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

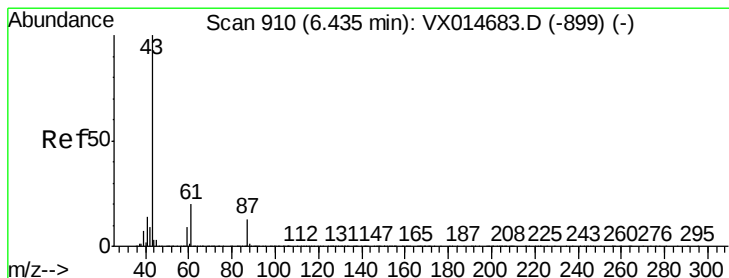
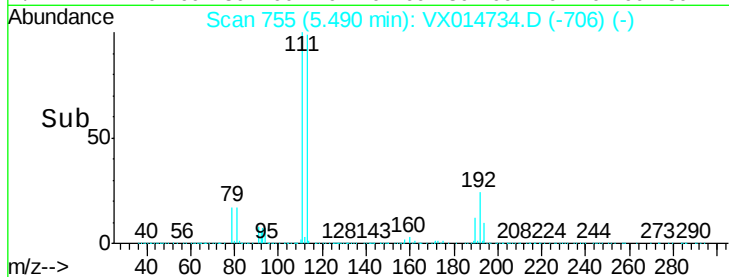
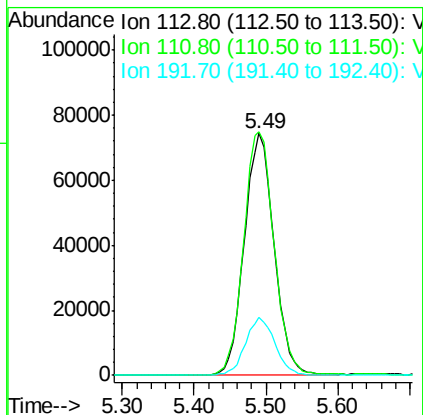
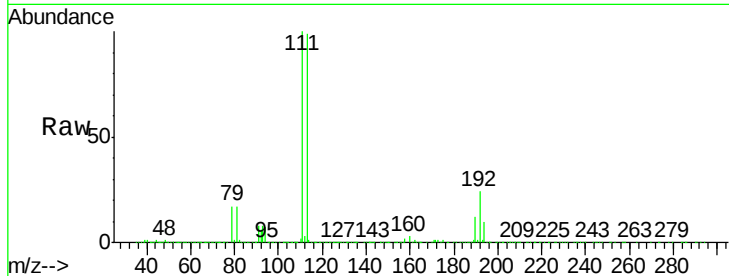




#35  
 Dibromofluoromethane  
 Concen: 48.421 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX014734.D  
 Acq: 27 Jan 2020 18:14

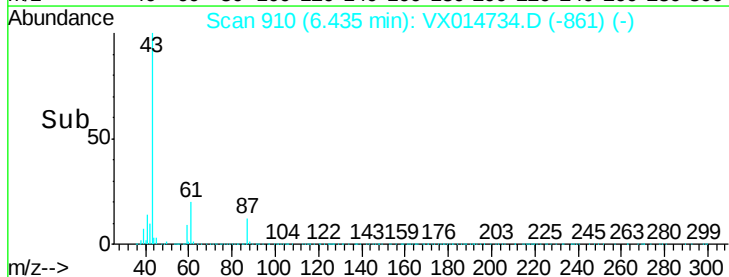
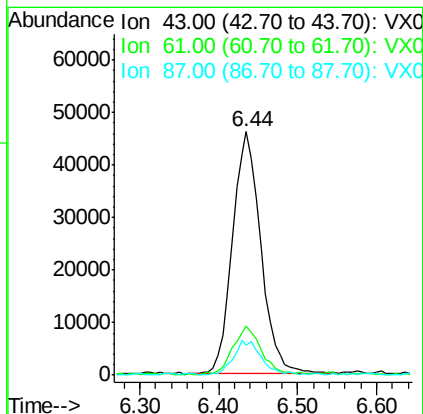
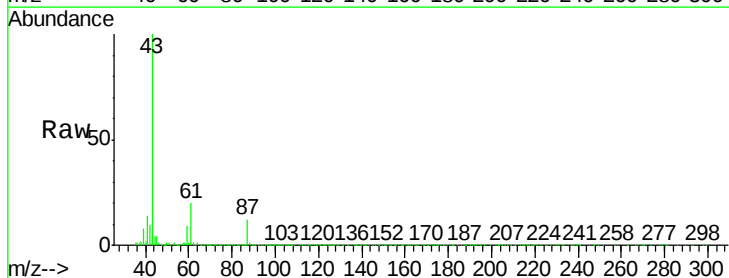
Instrument :  
 MSVOA\_X  
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 PB126348ZHE#09

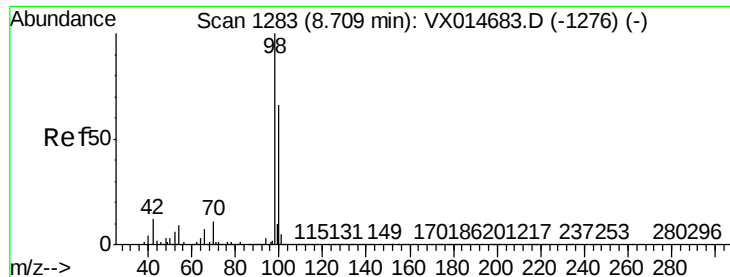
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 80.7  | 121.1 |
| 192     | 23.6  | 18.5  | 27.7  |



#43  
 Isopropyl Acetate  
 Concen: 9.474 ug/l  
 RT: 6.44 min Scan# 910  
 Delta R.T. 0.00 min  
 Lab File: VX014734.D  
 Acq: 27 Jan 2020 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.8  | 16.2  | 24.4  |
| 87      | 14.1  | 10.5  | 15.7  |





#50

Toluene-d8

Concen: 50.635 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA\_X

ClientSampleId :

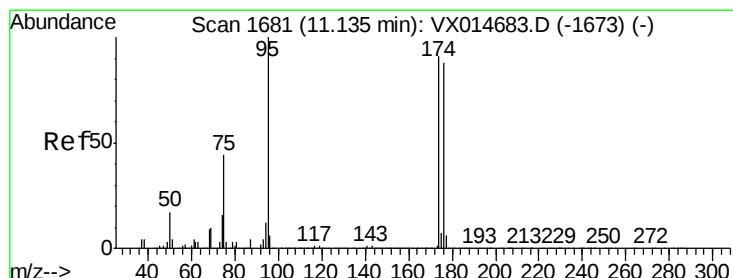
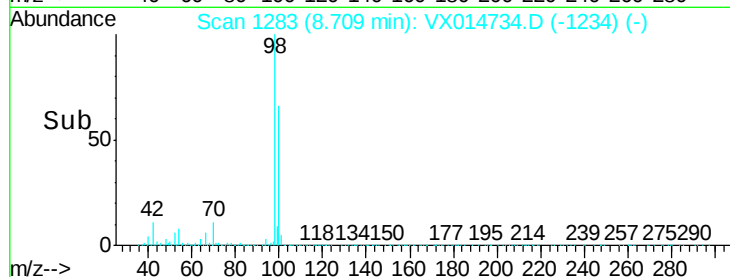
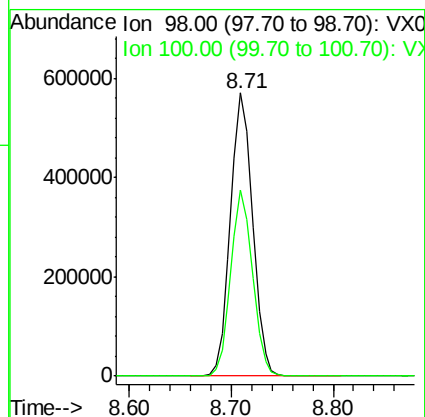
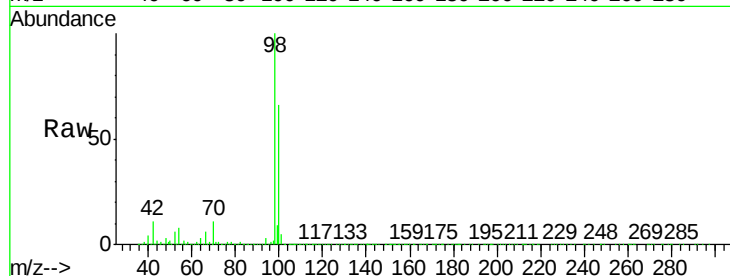
PB126348ZHE#09

Tot Ion: 98 Resp: 857858

Ion Ratio Lower Upper

98 100

100 64.4 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 47.857 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

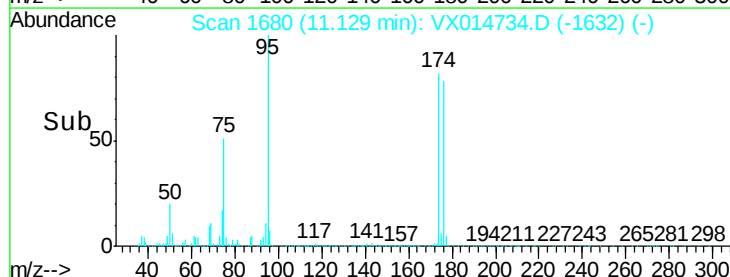
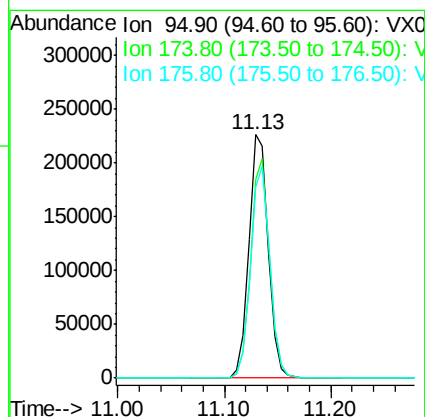
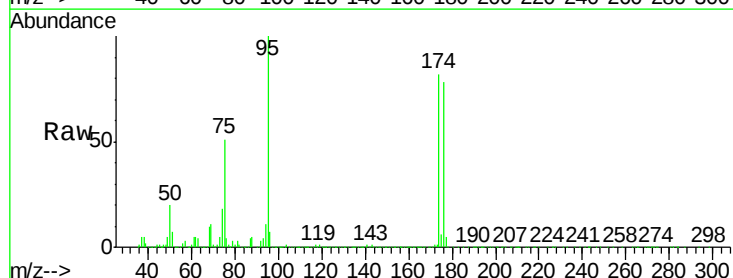
Tgt Ion: 95 Resp: 288821

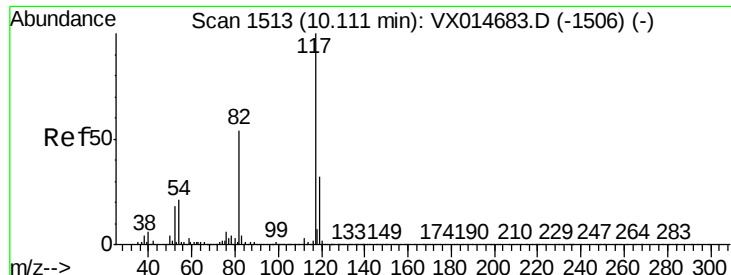
Ion Ratio Lower Upper

95 100

174 88.4 0.0 176.0

176 86.2 0.0 172.2

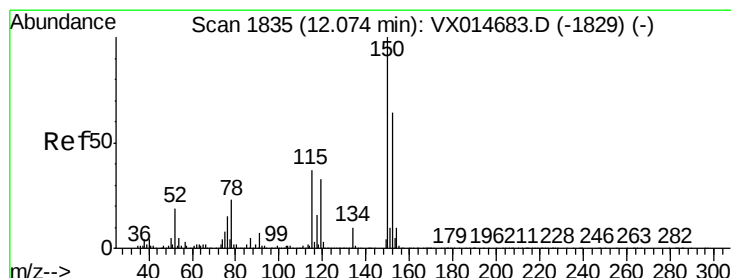
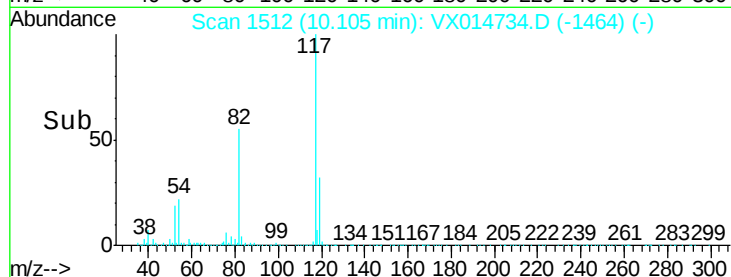
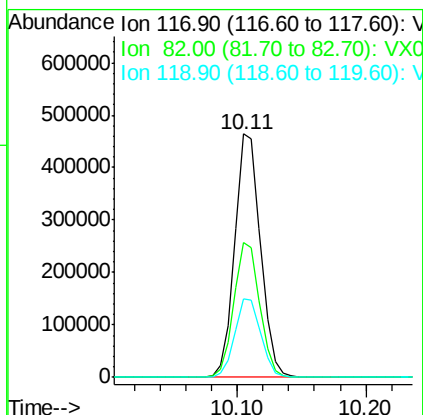
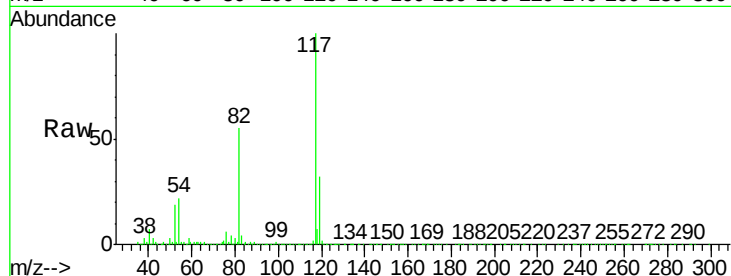




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX014734.D  
Acq: 27 Jan 2020 18:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB126348ZHE#09

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.3  | 43.2  | 64.8  |
| 119     | 32.0  | 25.8  | 38.6  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX014734.D  
Acq: 27 Jan 2020 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.1  | 39.4  | 118.1 |
| 150     | 156.4 | 0.0   | 351.2 |

