

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX101718\  
 Data File : VX005384.D  
 Acq On : 17 Oct 2018 10:51  
 Operator : JC/MD  
 Sample : J5538-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TKABCD

Quant Time: Oct 18 11:28:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 271692   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 392036   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 355139   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 179224   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 163873   | 54.35 | ug/l    | -0.01    |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 108.70% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 125459   | 48.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 96.64%  |          |
| 50) Toluene-d8              | 8.72  | 98   | 471711   | 52.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 105.84% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 159224   | 47.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 95.10%  |          |

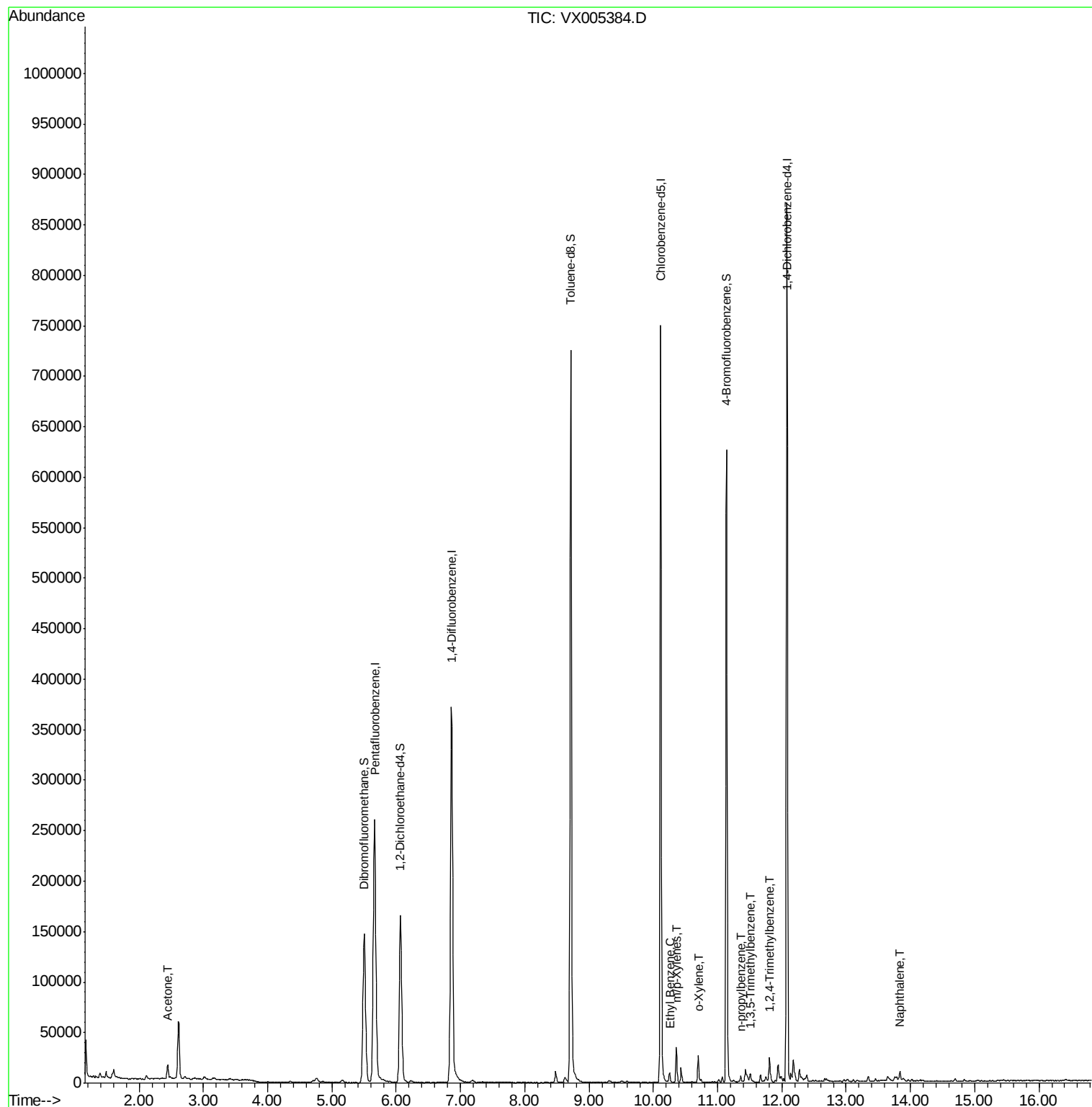
| Target Compounds           | R.T.  | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|-------|--------|
| 16) Acetone                | 2.45  | 43   | 14817    | 8.50 | ug/l  | 97     |
| 67) Ethyl Benzene          | 10.25 | 91   | 5200     | 0.42 | ug/l  | 94     |
| 68) m/p-Xylenes            | 10.36 | 106  | 7876     | 1.65 | ug/l  | 97     |
| 69) o-Xylene               | 10.70 | 106  | 5772     | 1.26 | ug/l  | 99     |
| 78) n-propylbenzene        | 11.36 | 91   | 3221     | 0.26 | ug/l  | 98     |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105  | 3237     | 0.35 | ug/l  | 97     |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105  | 9640     | 1.03 | ug/l  | 98     |
| 95) Naphthalene            | 13.83 | 128  | 5186     | 0.42 | ug/l  | 94     |

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

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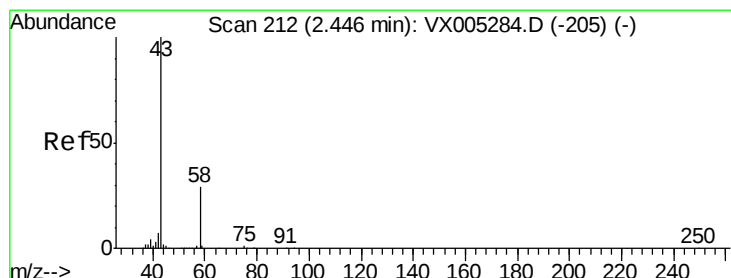
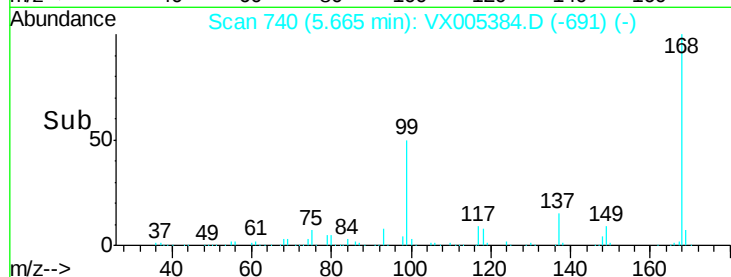
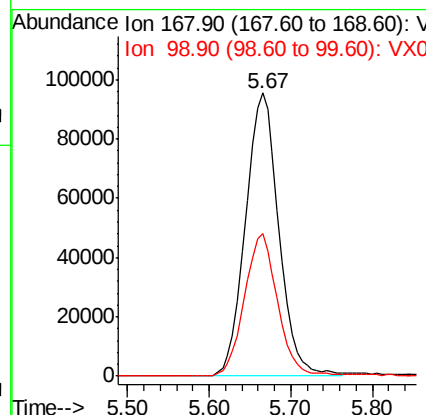
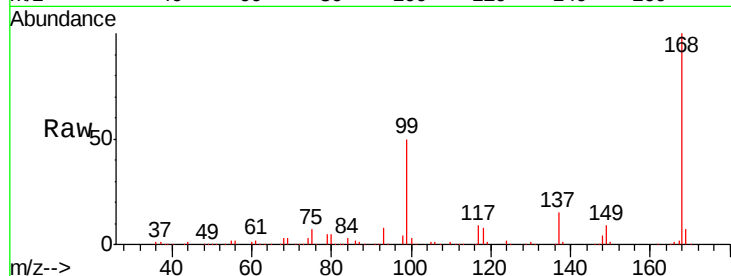




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. -0.00 min  
Lab File: VX005384.D  
Acq: 17 Oct 2018 10:51

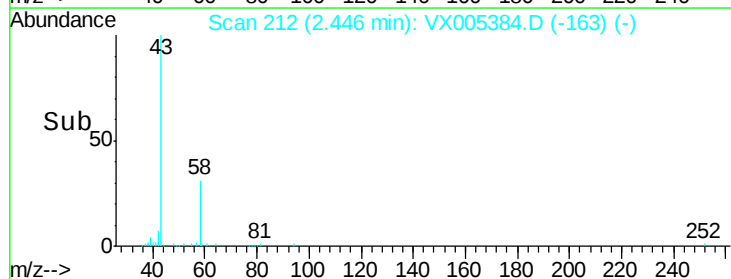
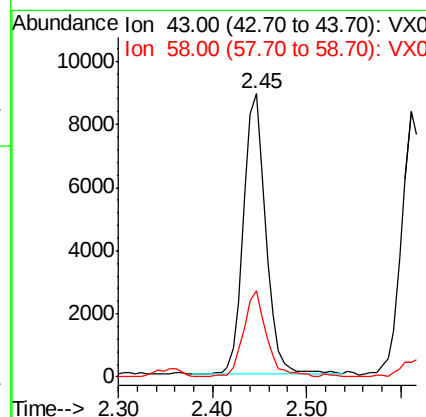
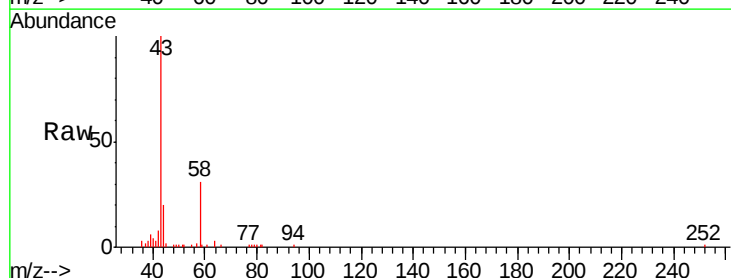
Instrument :  
MSVOA\_X  
ClientSampleId :  
TKABCD

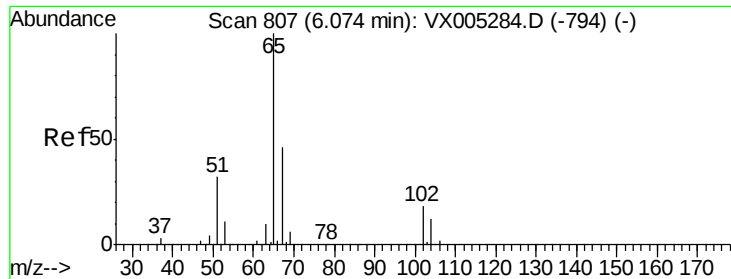
Tgt Ion: 168 Resp: 271692  
Ion Ratio Lower Upper  
168 100  
99 50.3 39.9 59.9



#16  
Acetone  
Concen: 8.50 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX005384.D  
Acq: 17 Oct 2018 10:51

Tgt Ion: 43 Resp: 14817  
Ion Ratio Lower Upper  
43 100  
58 31.0 26.2 39.4





#33

1,2-Dichloroethane-d4

Concen: 54.35 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005384.D

Acq: 17 Oct 2018 10:51

Instrument :

MSVOA\_X

ClientSampleId :

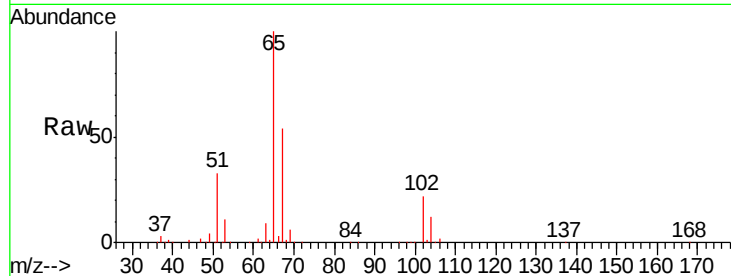
TKABCD

Tgt Ion: 65 Resp: 163873

Ion Ratio Lower Upper

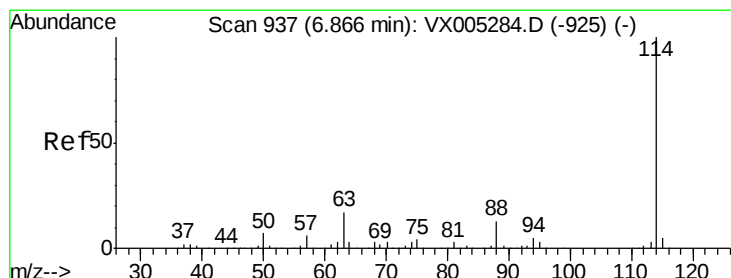
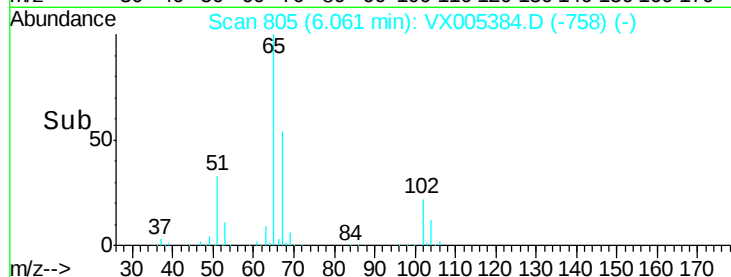
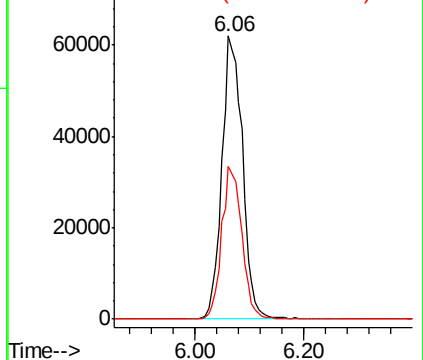
65 100

67 52.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005384.D

Acq: 17 Oct 2018 10:51

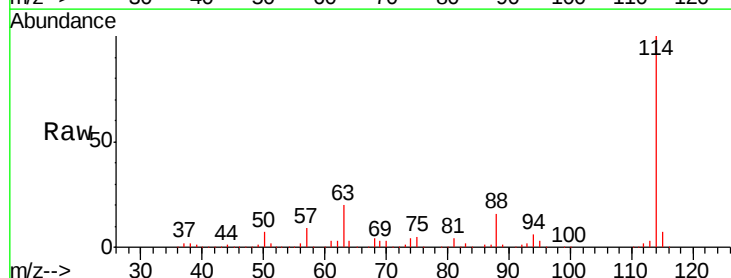
Tgt Ion: 114 Resp: 392036

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

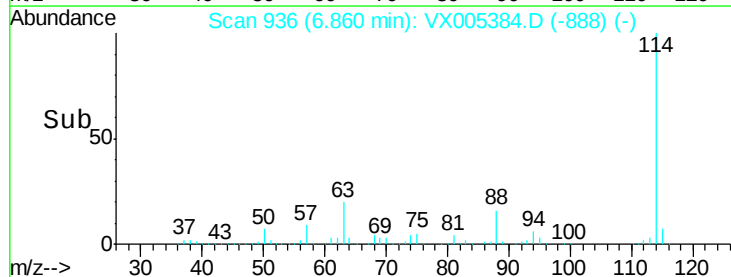
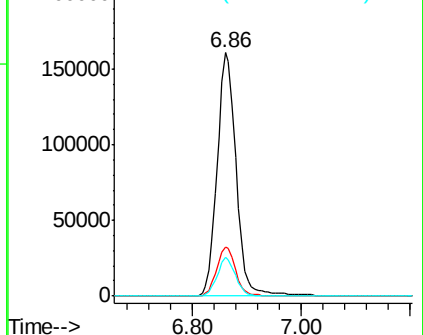
88 15.9 0.0 30.4

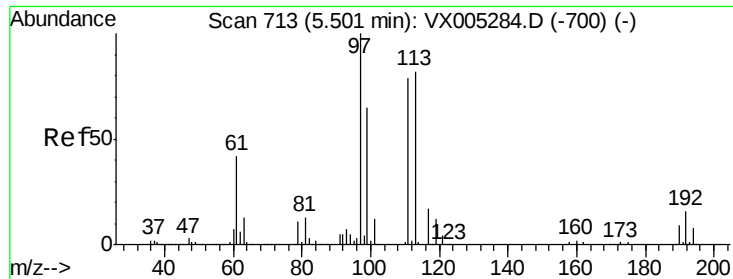


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

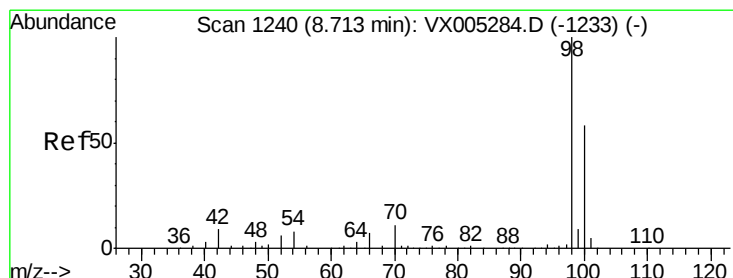
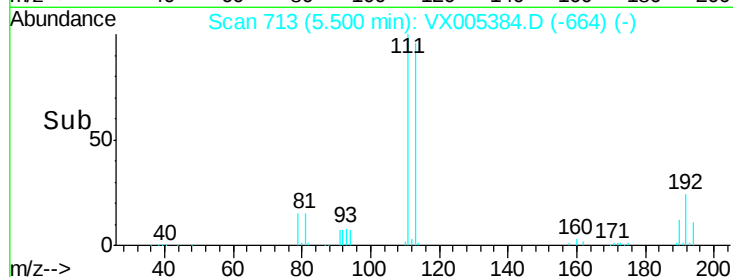
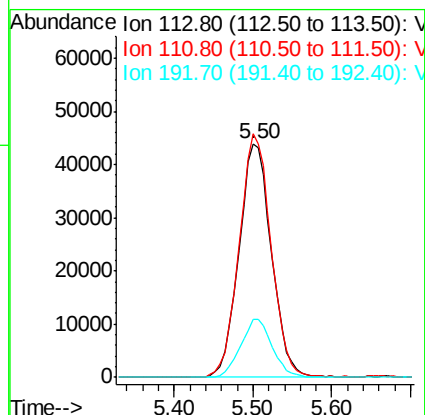
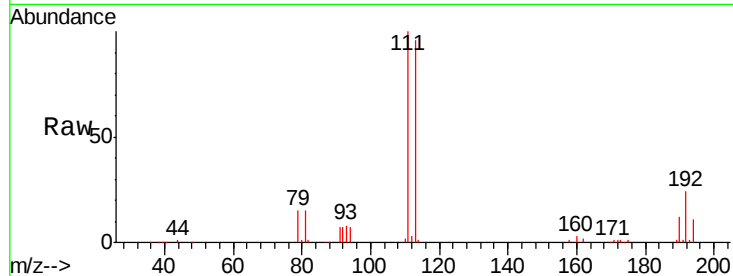




#35  
 Dibromofluoromethane  
 Concen: 48.32 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX005384.D  
 Acq: 17 Oct 2018 10:51

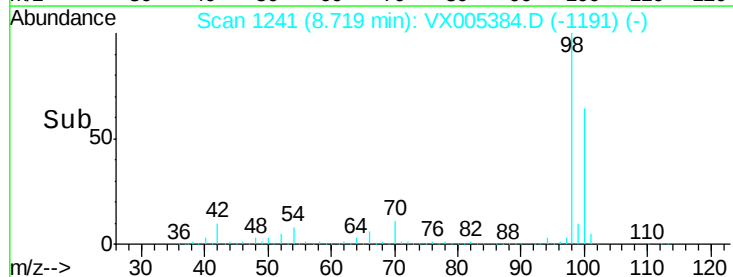
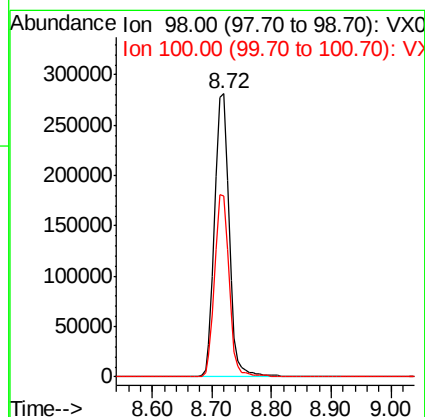
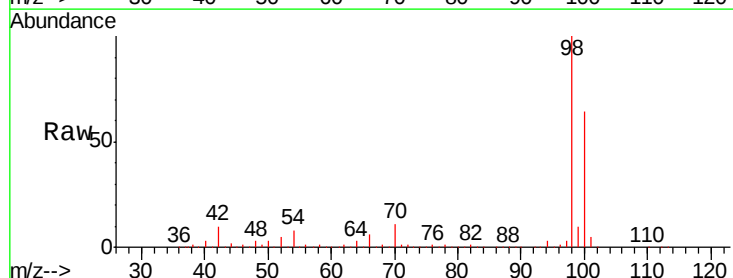
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TKABCD

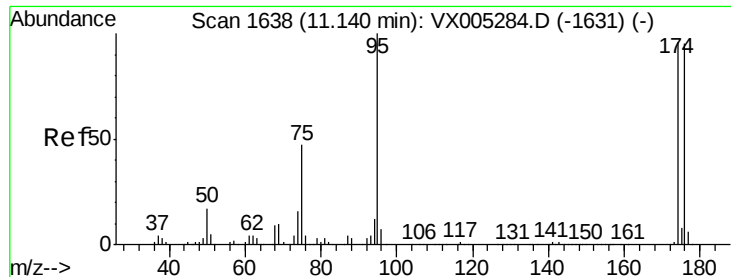
Tgt Ion:113 Resp: 125459  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.4 123.6  
 192 24.2 19.4 29.2



#50  
 Toluene-d8  
 Concen: 52.92 ug/l  
 RT: 8.72 min Scan# 1241  
 Delta R.T. 0.01 min  
 Lab File: VX005384.D  
 Acq: 17 Oct 2018 10:51

Tgt Ion: 98 Resp: 471711  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 47.55 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005384.D

Acq: 17 Oct 2018 10:51

Instrument :

MSVOA\_X

ClientSampleId :

TKABCD

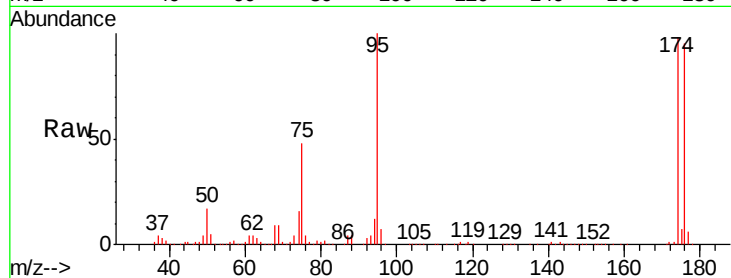
Tgt Ion: 95 Resp: 159224

Ion Ratio Lower Upper

95 100

174 95.5 0.0 185.2

176 92.4 0.0 178.6



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

11.14

150000

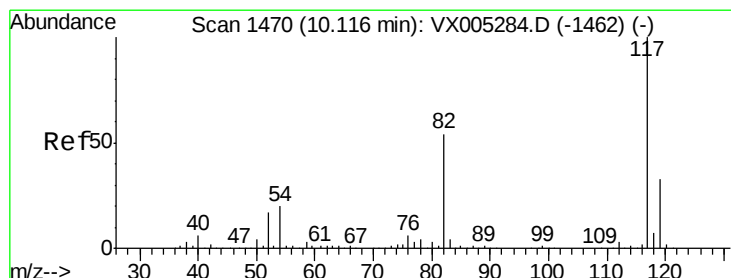
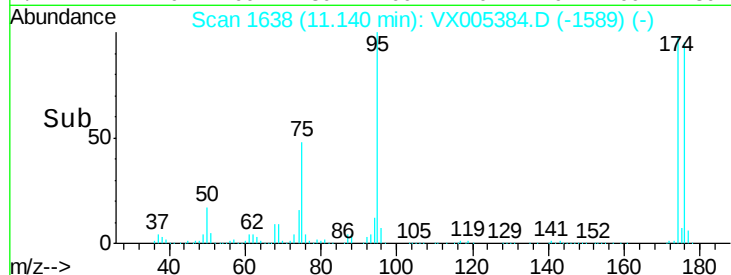
100000

50000

0

Time-->

11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005384.D

Acq: 17 Oct 2018 10:51

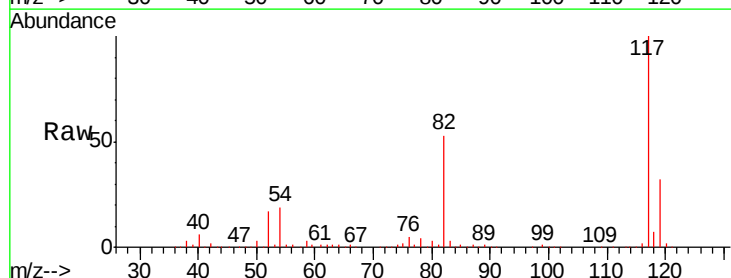
Tgt Ion: 117 Resp: 355139

Ion Ratio Lower Upper

117 100

82 52.9 47.8 71.6

119 32.1 29.3 43.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

10.12

300000

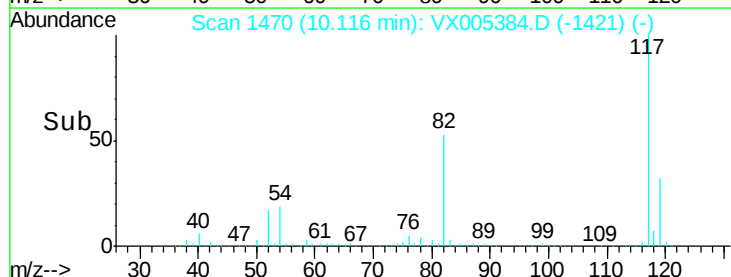
200000

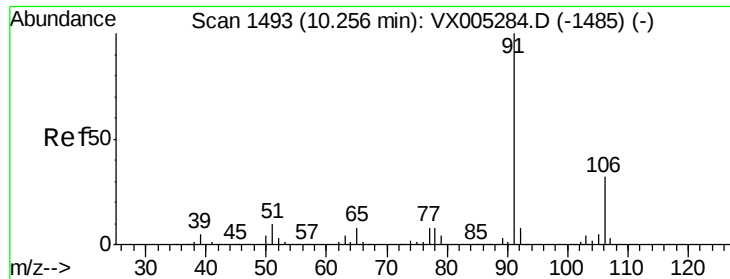
100000

0

Time-->

10.00 10.20

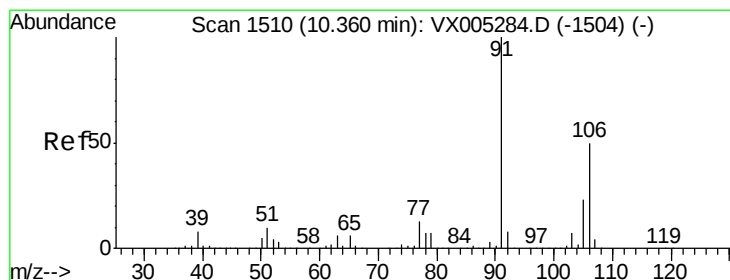
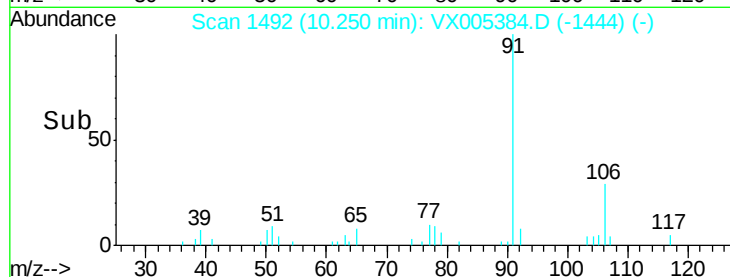
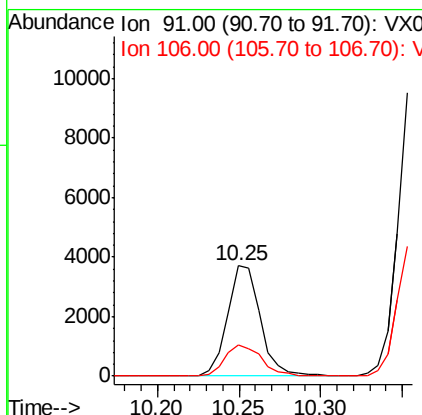
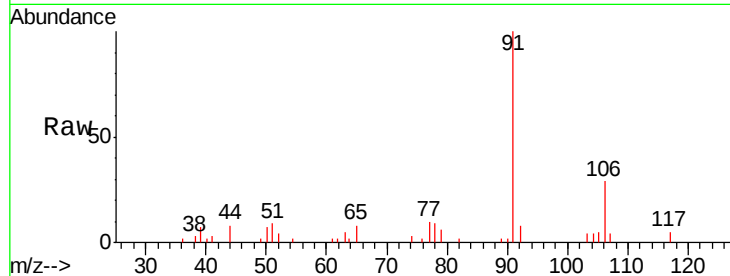




#67  
Ethyl Benzene  
Concen: 0.42 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: VX005384.D  
Acq: 17 Oct 2018 10:51

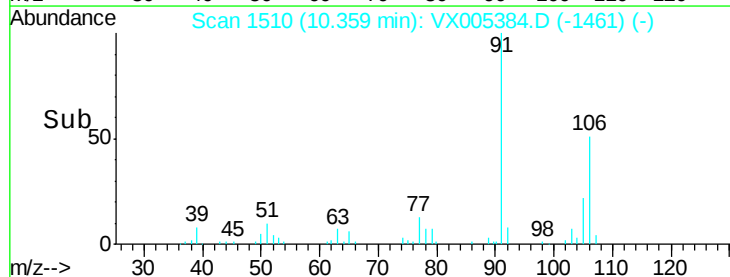
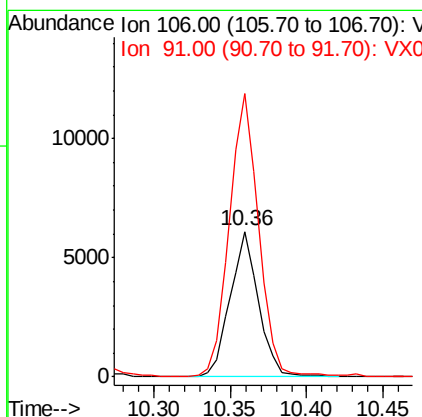
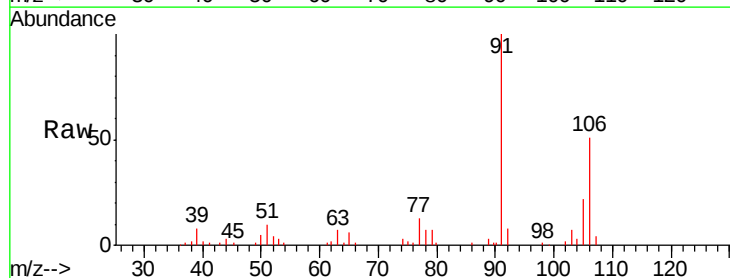
Instrument :  
MSVOA\_X  
ClientSampleId :  
TKABCD

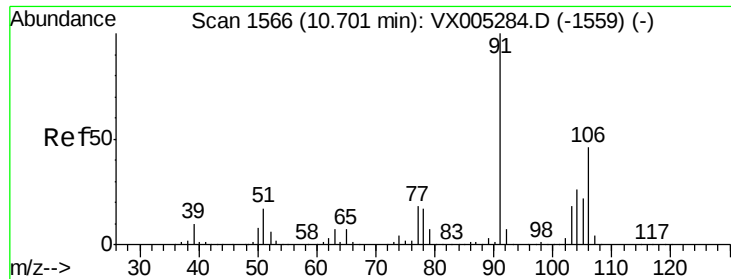
Tgt Ion: 91 Resp: 5200  
Ion Ratio Lower Upper  
91 100  
106 28.9 25.9 38.9



#68  
m/p-Xylenes  
Concen: 1.65 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX005384.D  
Acq: 17 Oct 2018 10:51

Tgt Ion: 106 Resp: 7876  
Ion Ratio Lower Upper  
106 100  
91 200.9 157.1 235.7

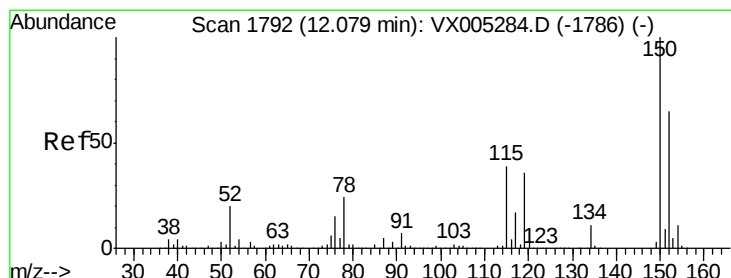
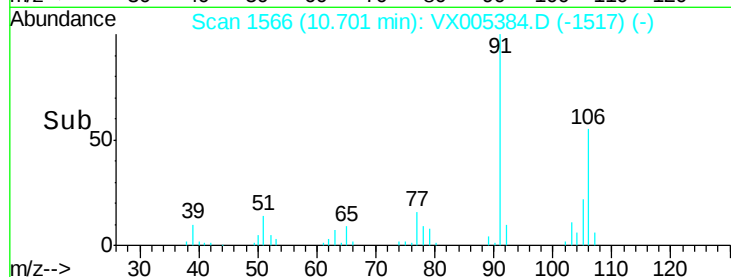
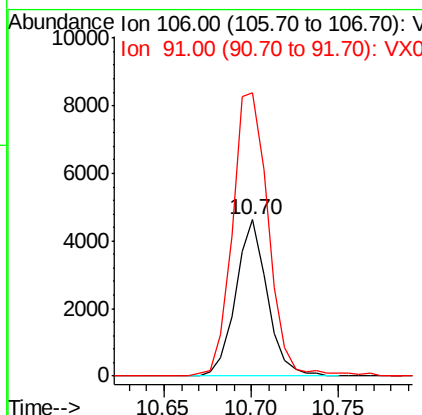
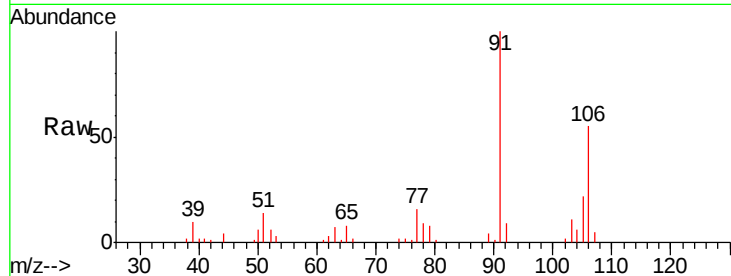




#69  
o-Xylene  
Concen: 1.26 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX005384.D  
Acq: 17 Oct 2018 10:51

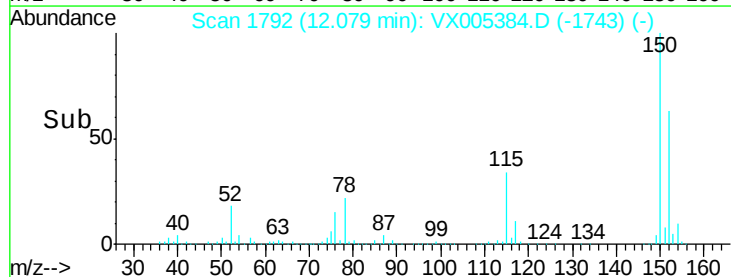
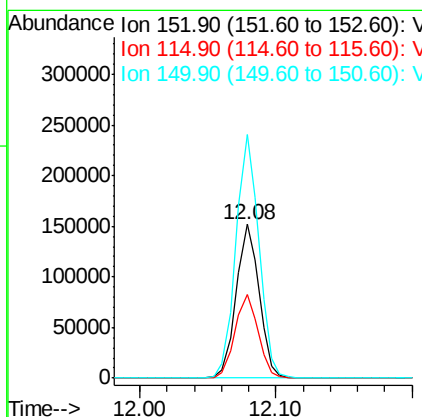
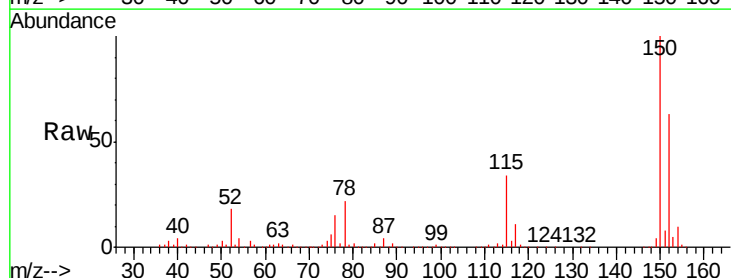
Instrument :  
MSVOA\_X  
ClientSampleId :  
TKABCD

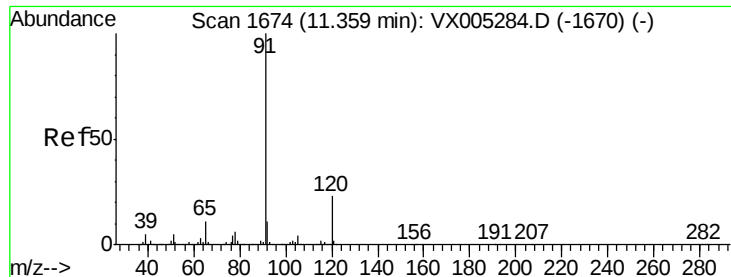
Tgt Ion:106 Resp: 5772  
Ion Ratio Lower Upper  
106 100  
91 208.1 105.1 315.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX005384.D  
Acq: 17 Oct 2018 10:51

Tgt Ion:152 Resp: 179224  
Ion Ratio Lower Upper  
152 100  
115 54.9 39.0 117.0  
150 158.0 0.0 351.0





#78

n-propylbenzene

Concen: 0.26 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005384.D

Acq: 17 Oct 2018 10:51

Instrument :

MSVOA\_X

ClientSampled :

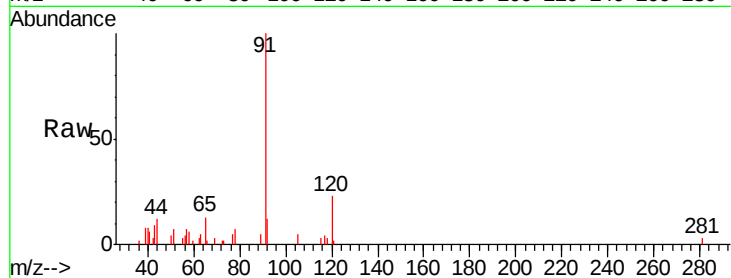
TKABCD

Tgt Ion: 91 Resp: 3221

Ion Ratio Lower Upper

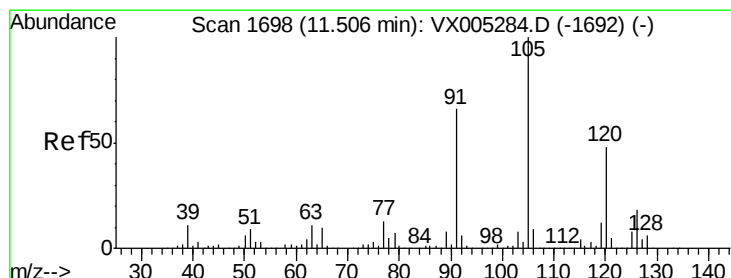
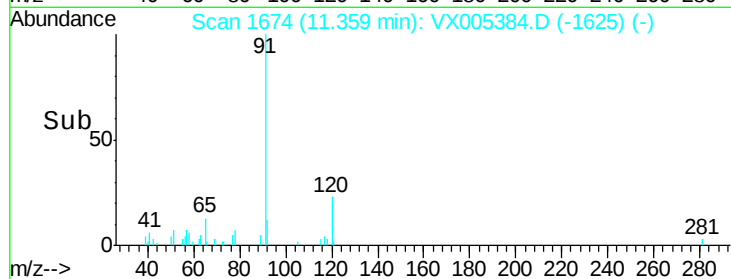
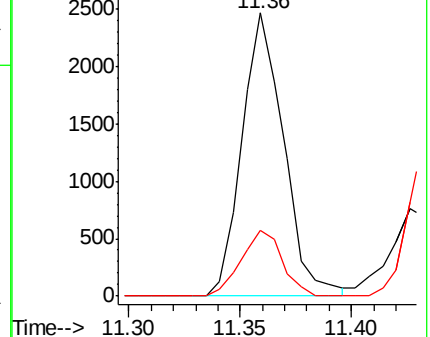
91 100

120 23.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1670) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1670) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.35 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005384.D

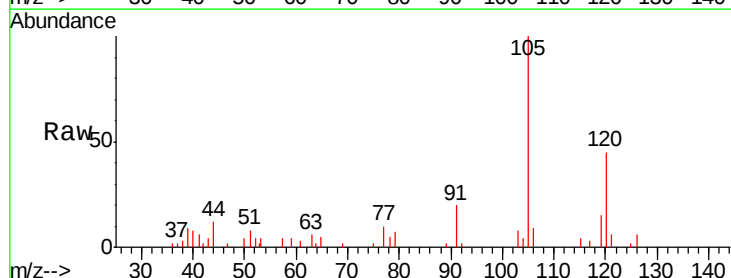
Acq: 17 Oct 2018 10:51

Tgt Ion: 105 Resp: 3237

Ion Ratio Lower Upper

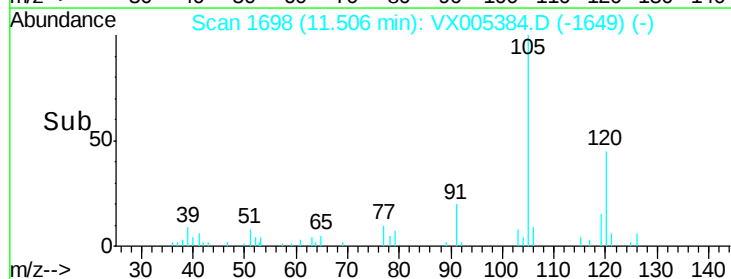
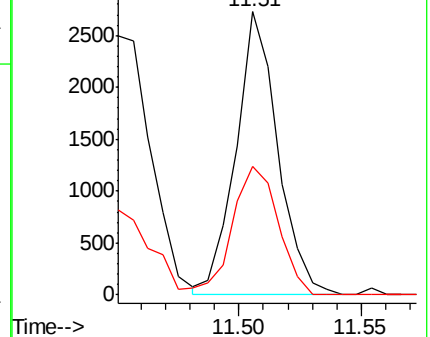
105 100

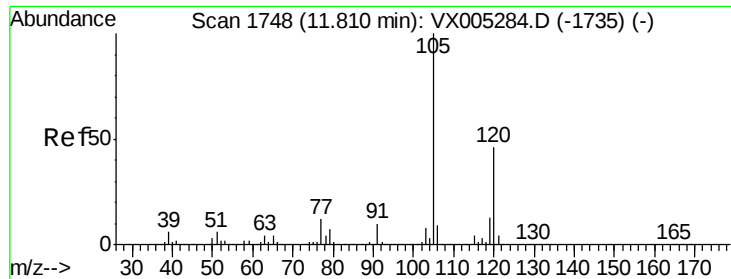
120 49.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

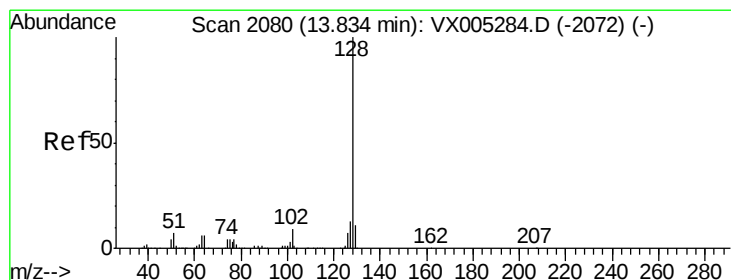
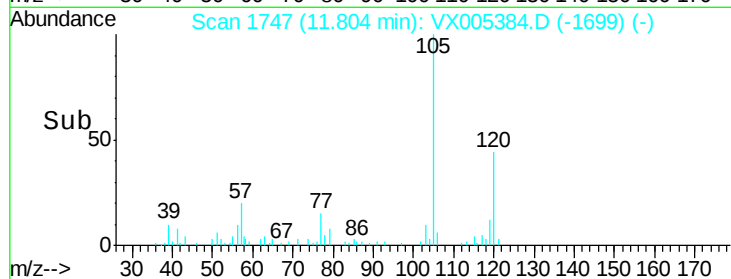
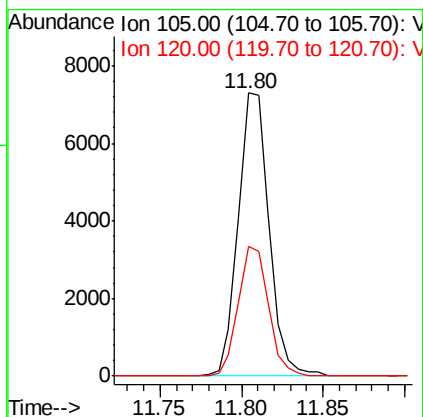
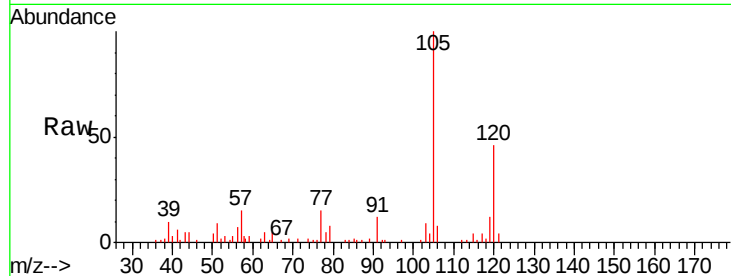




#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.03 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. -0.01 min  
 Lab File: VX005384.D  
 Acq: 17 Oct 2018 10:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TKABCD

Tgt Ion:105 Resp: 9640  
 Ion Ratio Lower Upper  
 105 100  
 120 44.8 23.2 69.6



#95  
 Naphthalene  
 Concen: 0.42 ug/l  
 RT: 13.83 min Scan# 2080  
 Delta R.T. -0.00 min  
 Lab File: VX005384.D  
 Acq: 17 Oct 2018 10:51

Tgt Ion:128 Resp: 5186  
 Ion Ratio Lower Upper  
 128 100  
 127 15.0 10.2 15.2  
 129 12.8 8.6 12.8

