

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX072820\  
 Data File : VX017650.D  
 Acq On : 28 Jul 2020 14:00  
 Operator : JC/SP  
 Sample : L3371-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS037-200720

Quant Time: Jul 29 03:20:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 24 05:48:09 2020  
 Response via : Initial Calibration

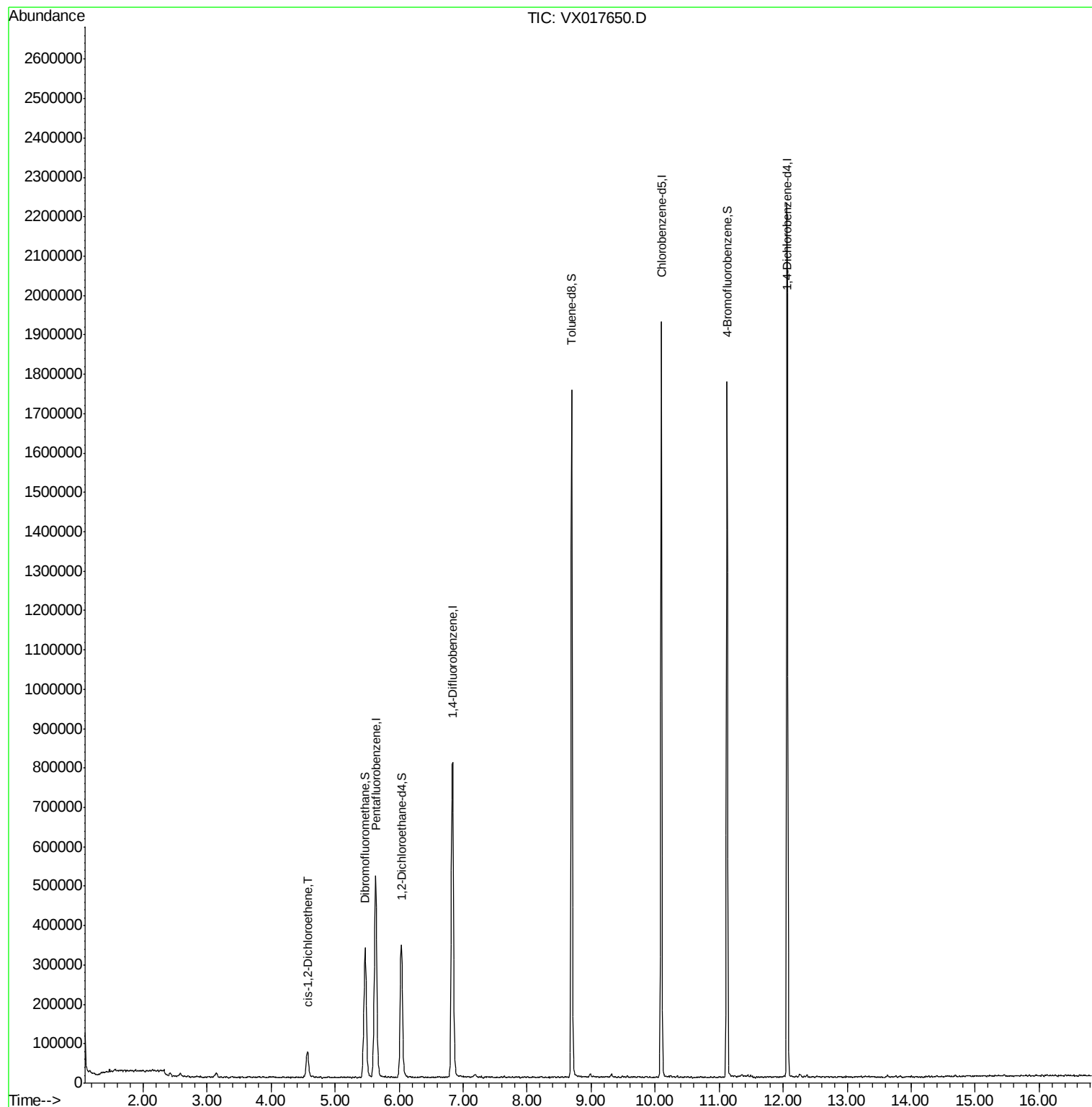
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 493037   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 823053   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 868156   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 460264   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 344899   | 54.46 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.92% |           |
| 35) Dibromofluoromethane    | 5.47  | 113  | 280909   | 51.03 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.06% |           |
| 50) Toluene-d8              | 8.70  | 98   | 1010360  | 50.88 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.76% |           |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 445644   | 56.08 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.16% |           |
| Target Compounds            |       |      |          |       |         |           |
| 27) cis-1,2-Dichloroethene  | 4.57  | 96   | 41391    | 6.985 | ug/l    | Qvalue 89 |

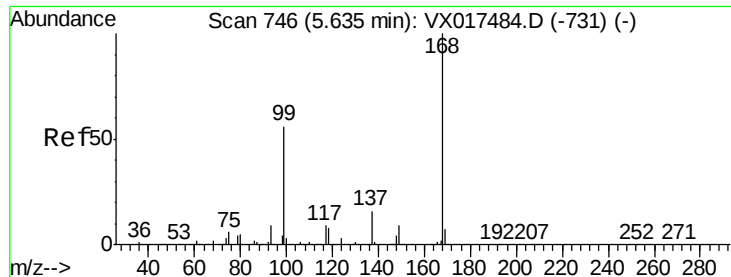
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jul 24 05:48:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

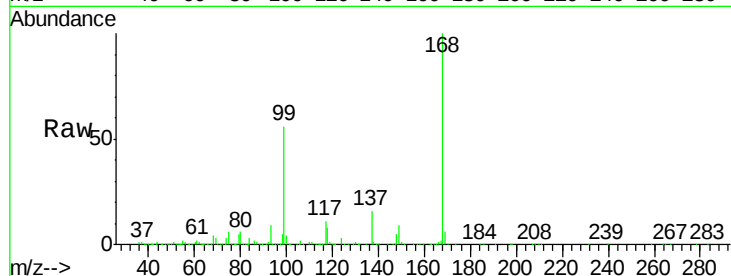
KY038PS037-200720

Tgt Ion: 168 Resp: 493037

Ion Ratio Lower Upper

168 100

99 56.0 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

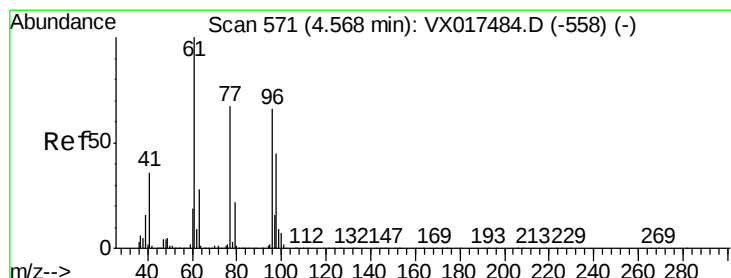
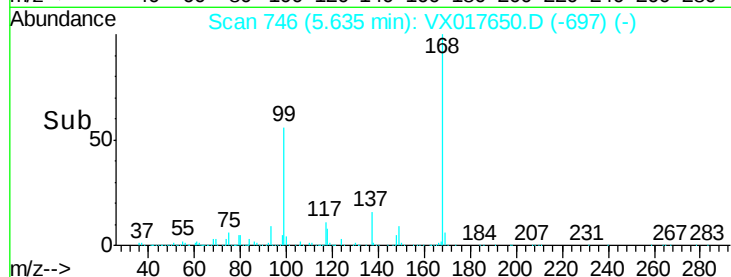
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 6.985 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

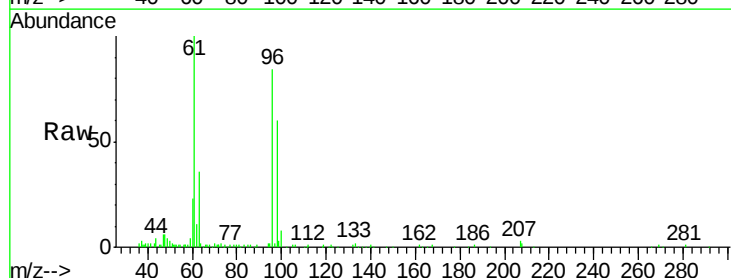
Tgt Ion: 96 Resp: 41391

Ion Ratio Lower Upper

96 100

61 132.1 0.0 301.2

98 68.4 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

25000

20000

15000

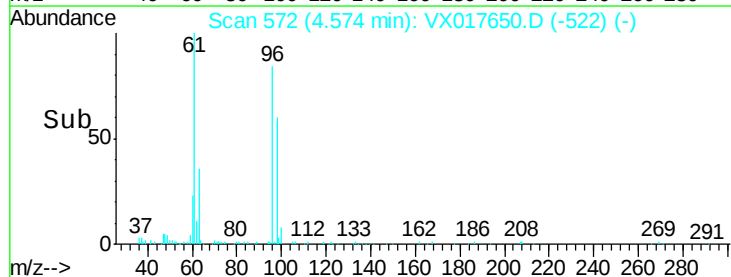
10000

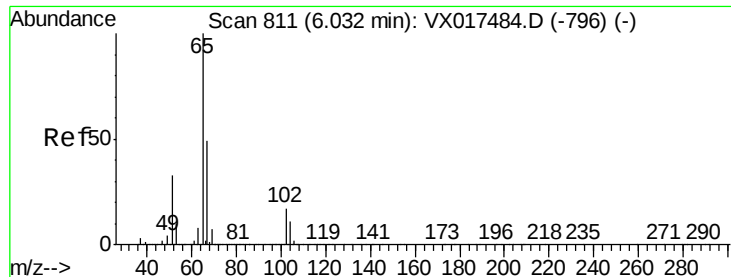
5000

0

Time-->

4.50 4.60





#33

1,2-Dichloroethane-d4

Concen: 54.458 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

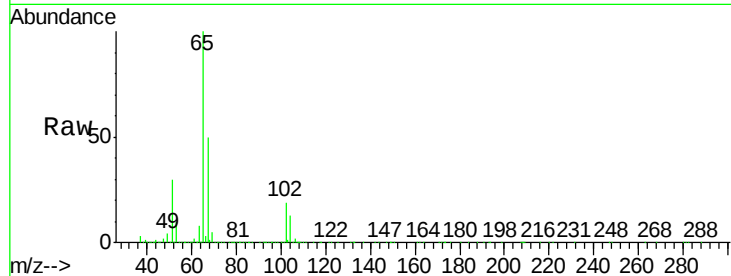
KY038PS037-200720

Tgt Ion: 65 Resp: 344899

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

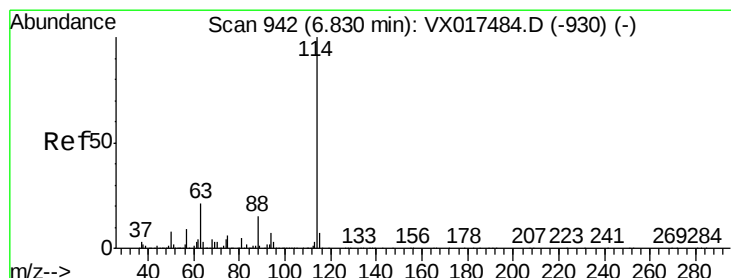
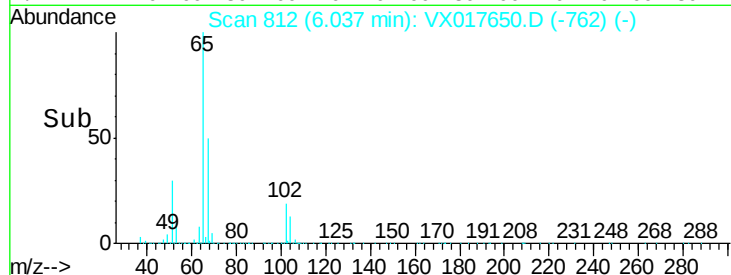
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

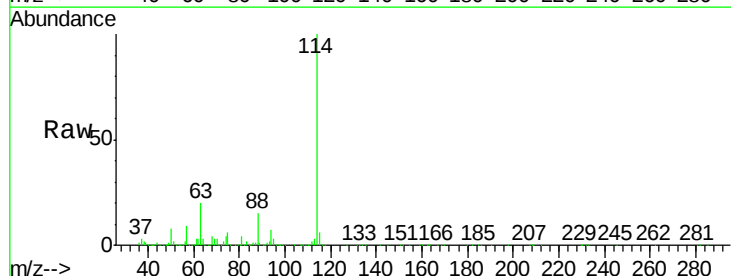
Tgt Ion: 114 Resp: 823053

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

88 15.4 0.0 33.4



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

6.84

400000

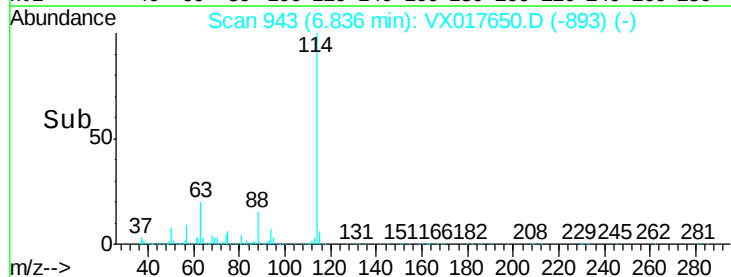
300000

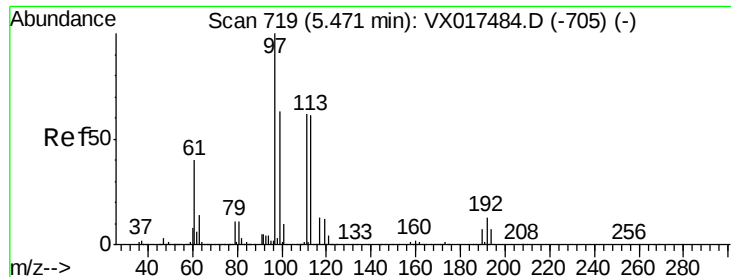
200000

100000

0

Time-->

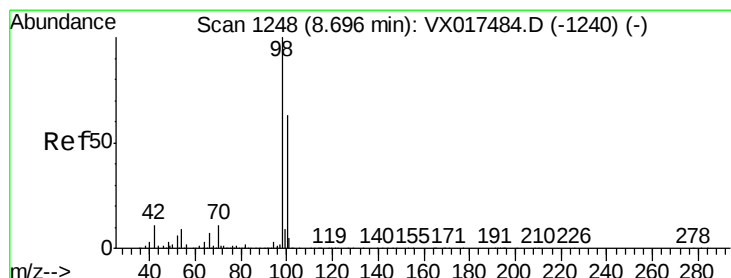
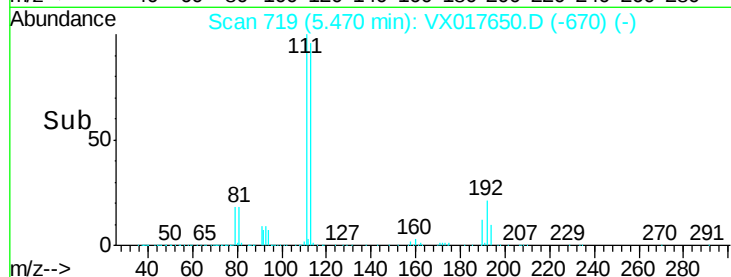
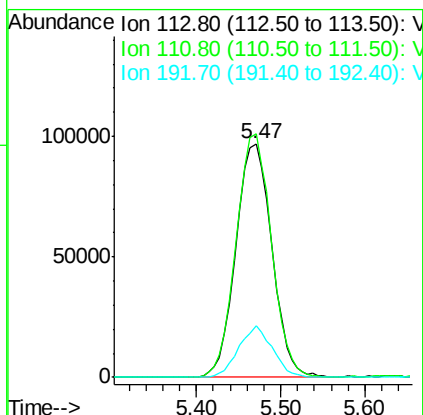
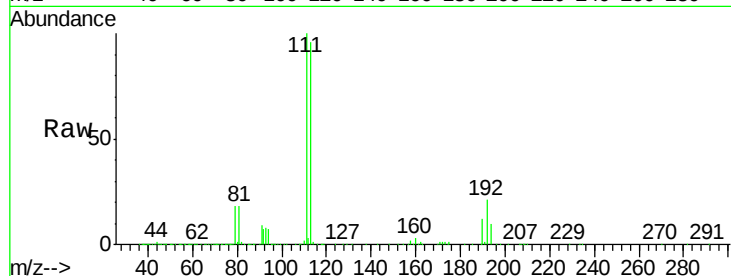




#35  
 Dibromofluoromethane  
 Concen: 51.031 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. -0.00 min  
 Lab File: VX017650.D  
 Acq: 28 Jul 2020 14:00

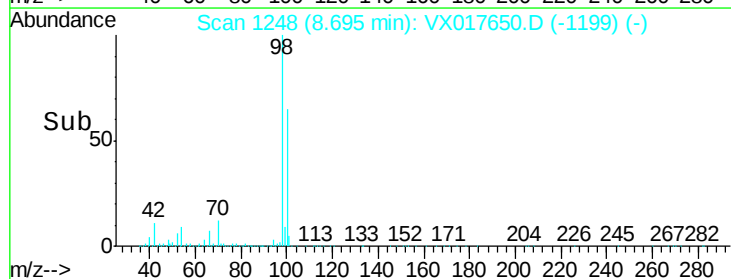
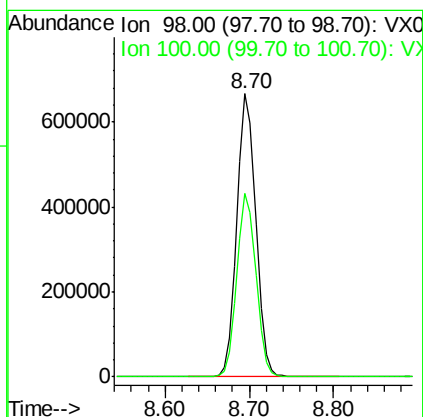
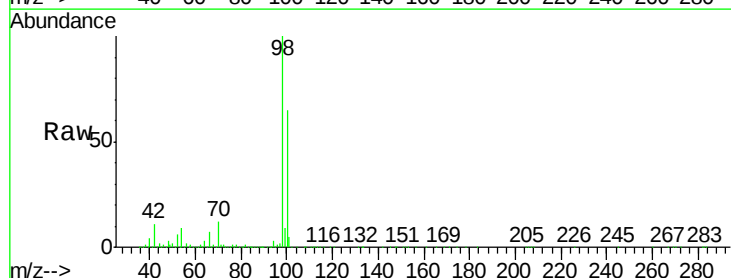
Instrument :  
 MSVOA\_X  
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 KY038PS037-200720

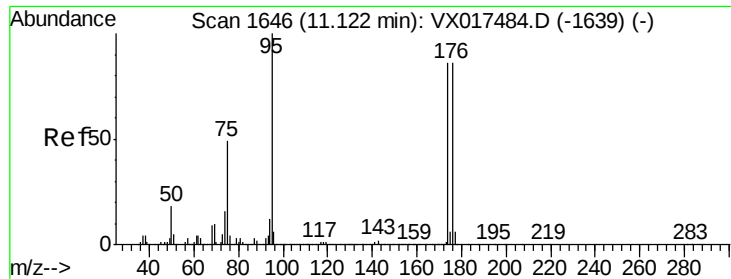
Tgt Ion:113 Resp: 280909  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 80.7 121.1  
 192 20.8 16.9 25.3



#50  
 Toluene-d8  
 Concen: 50.880 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX017650.D  
 Acq: 28 Jul 2020 14:00

Tgt Ion: 98 Resp: 1010360  
 Ion Ratio Lower Upper  
 98 100  
 100 64.9 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 56.076 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

KY038PS037-200720

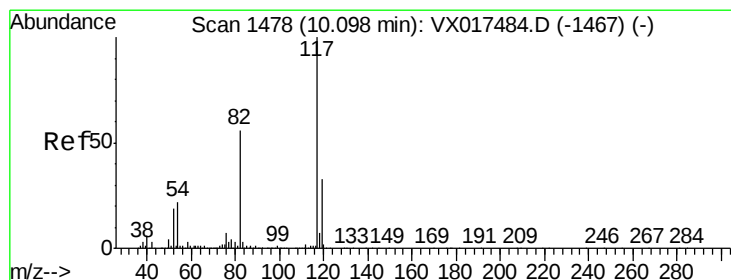
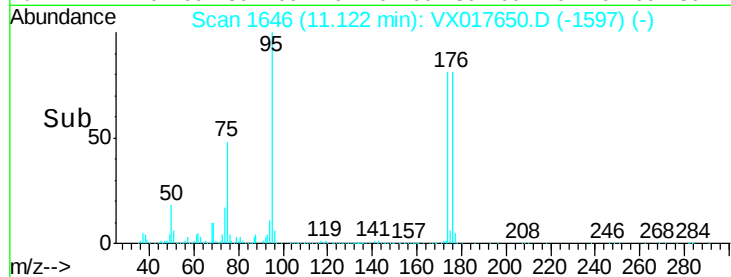
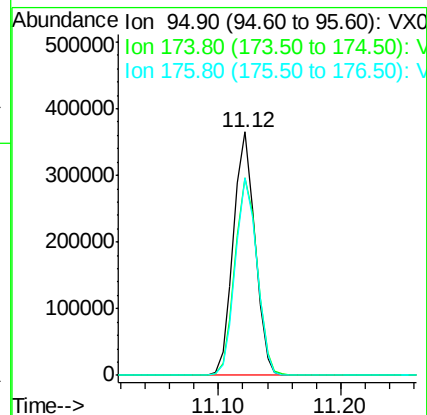
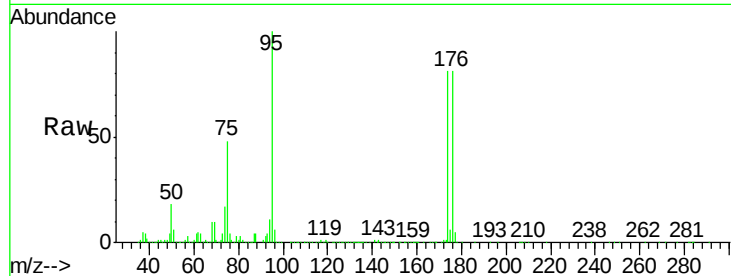
Tgt Ion: 95 Resp: 445644

Ion Ratio Lower Upper

95 100

174 83.2 0.0 169.0

176 80.9 0.0 161.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017650.D

Acq: 28 Jul 2020 14:00

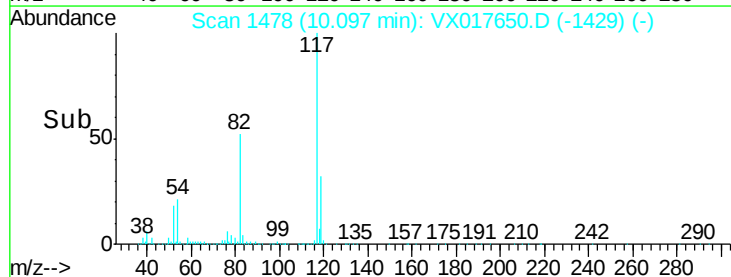
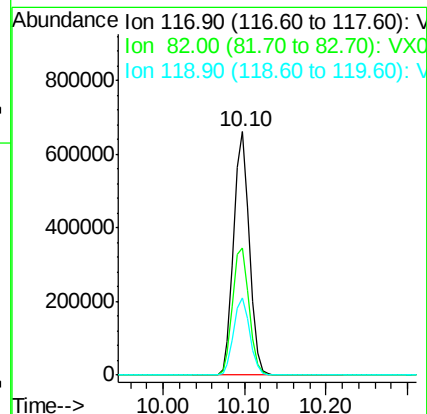
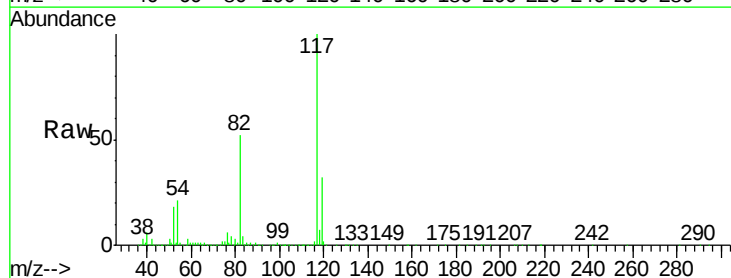
Tgt Ion: 117 Resp: 868156

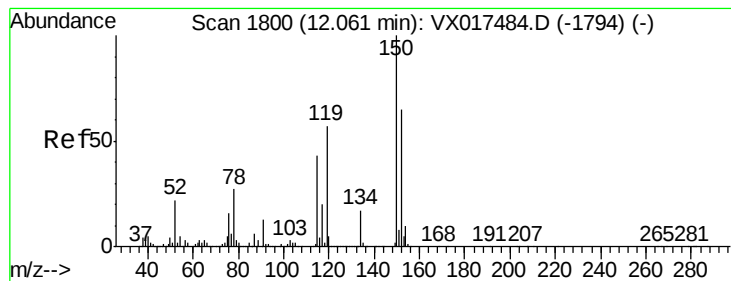
Ion Ratio Lower Upper

117 100

82 52.2 44.0 66.0

119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017650.D

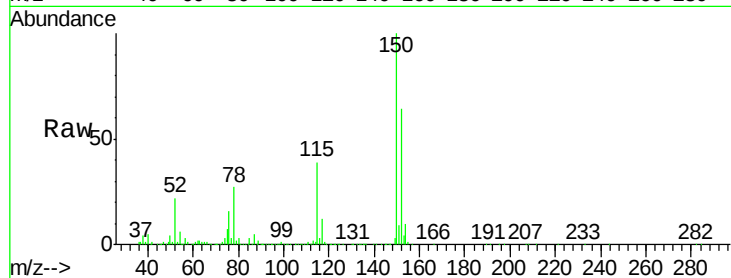
Acq: 28 Jul 2020 14:00

Instrument :

MSVOA\_X

ClientSampleId :

KY038PS037-200720



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 460264 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 59.2  | 65.5  | 196.6# |
| 150      | 155.8 | 0.0   | 412.6  |

