

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX072420\  
 Data File : VX017543.D  
 Acq On : 24 Jul 2020 15:22  
 Operator : JC/SP  
 Sample : L3403-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Jul 25 03:14:19 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  | 464748   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 782914   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 737890   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 416142   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65  | 319363   | 53.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.00% |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 249301   | 47.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.22%  |      |
| 50) Toluene-d8              | 8.70   | 98  | 902115   | 47.76 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.52%  |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 386229   | 51.09 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.18% |      |

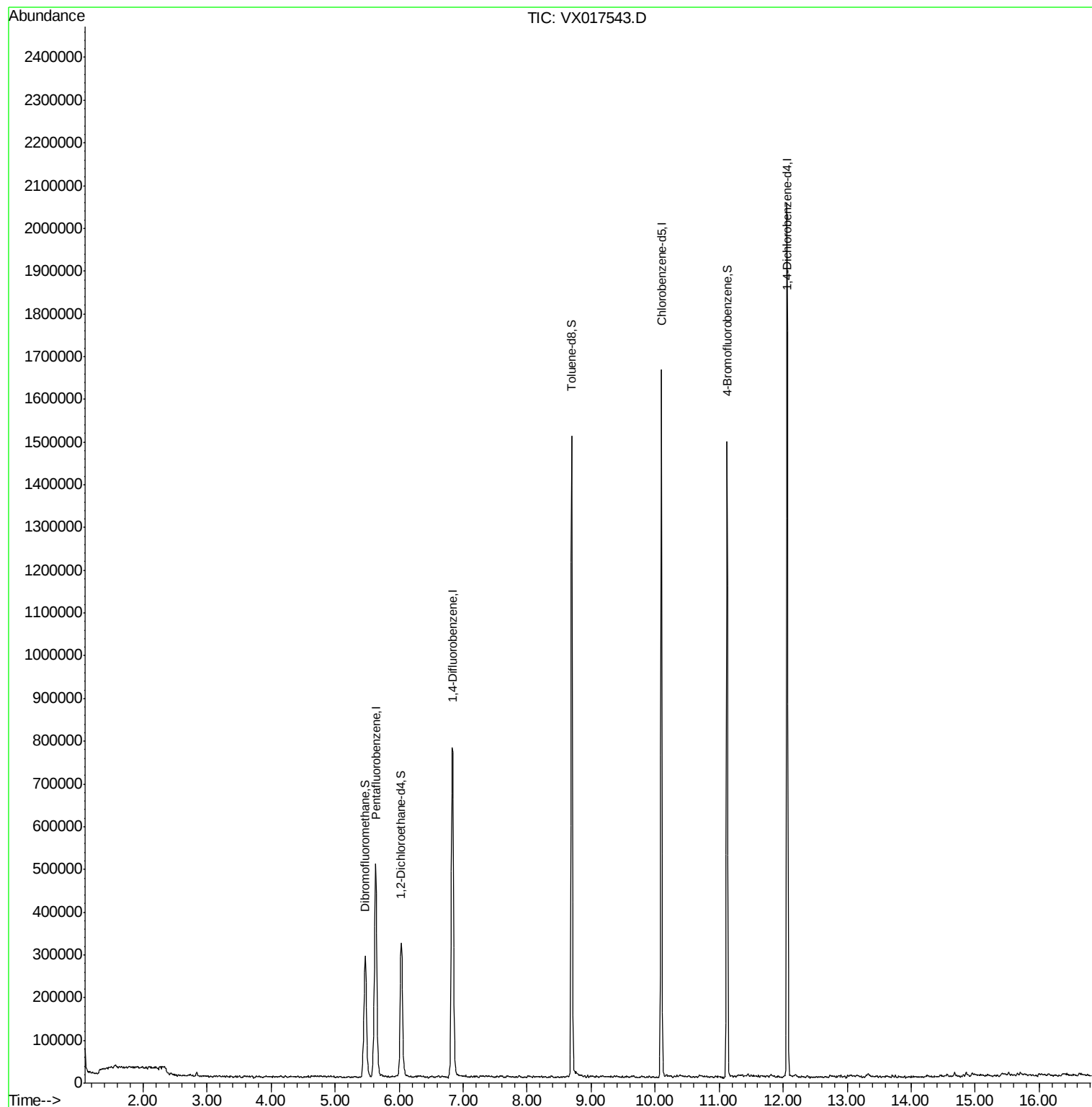
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

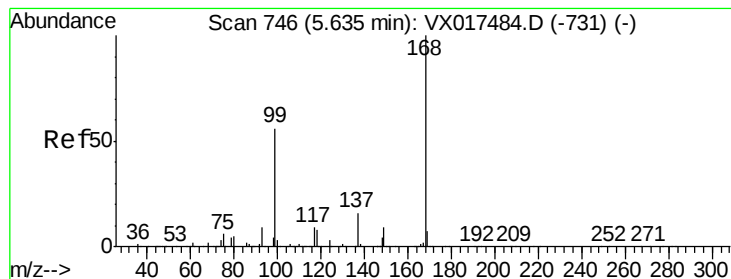
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA\_X

ClientSampleId :

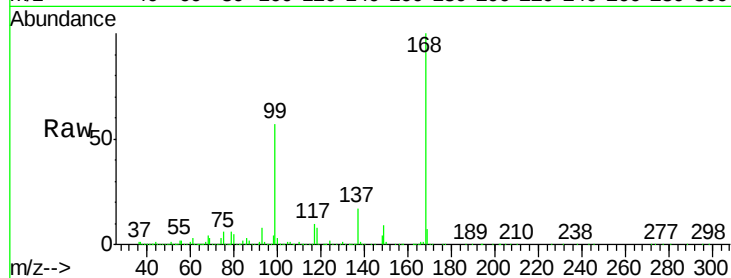
TRIP-BLANK

Tgt Ion:168 Resp: 464748

Ion Ratio Lower Upper

168 100

99 56.5 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

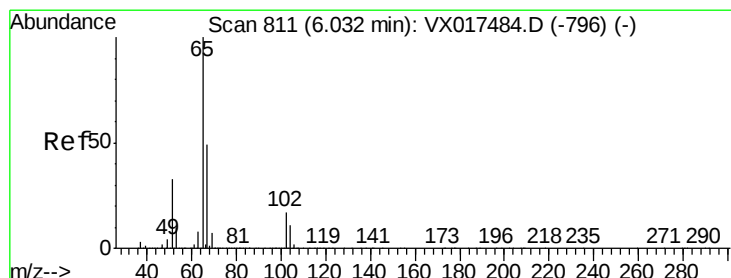
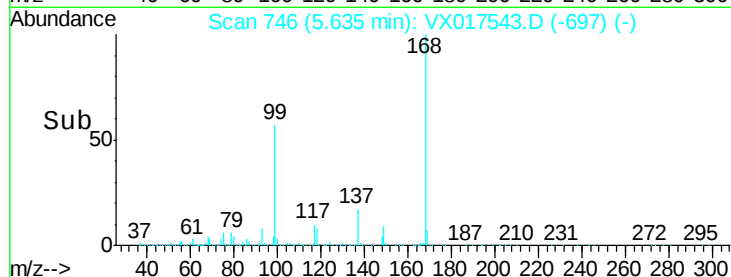
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.496 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017543.D

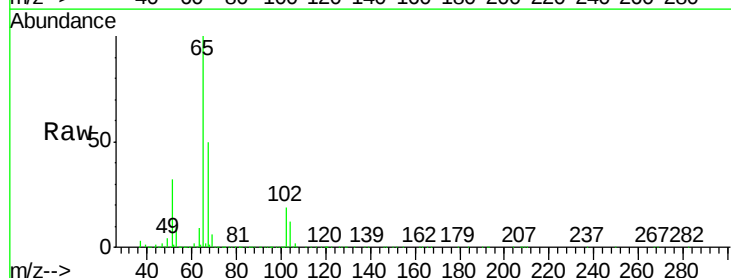
Acq: 24 Jul 2020 15:22

Tgt Ion: 65 Resp: 319363

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

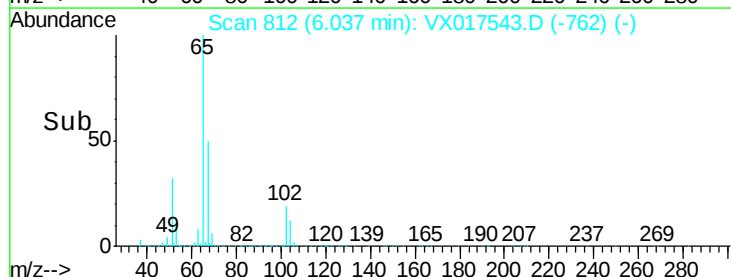
6.04

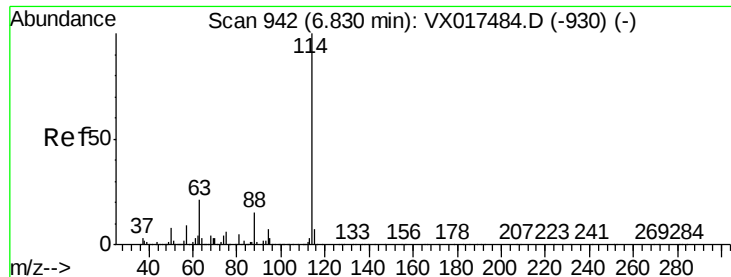
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

Instrument :

MSVOA\_X

ClientSampleId :

TRIP-BLANK

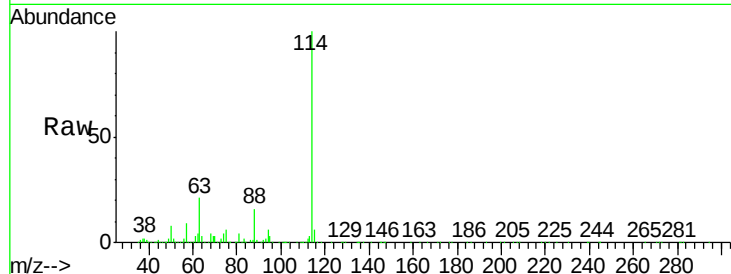
Tgt Ion:114 Resp: 782914

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

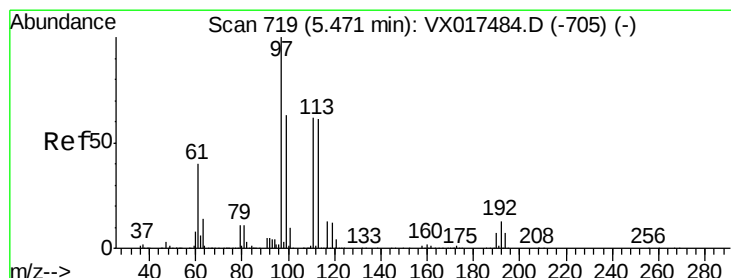
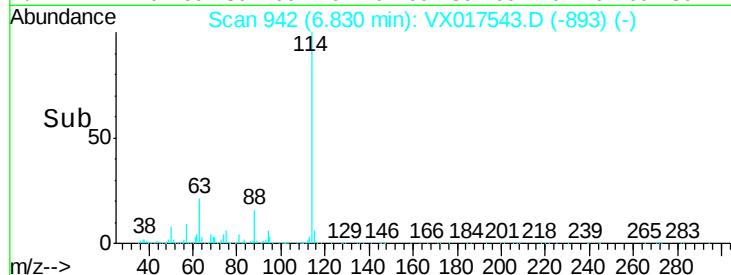
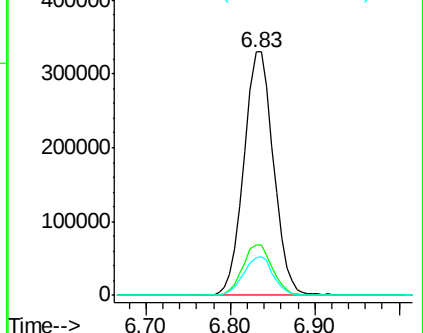
88 15.5 0.0 33.4



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



#35

Dibromofluoromethane

Concen: 47.611 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017543.D

Acq: 24 Jul 2020 15:22

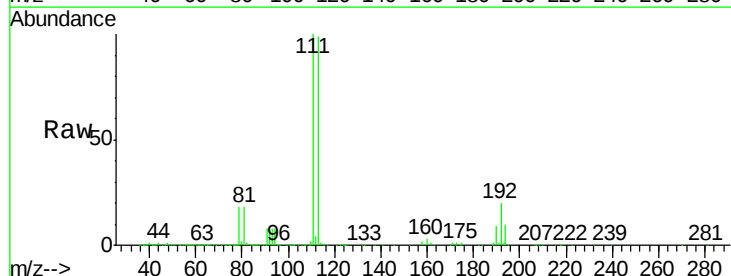
Tgt Ion:113 Resp: 249301

Ion Ratio Lower Upper

113 100

111 103.3 80.7 121.1

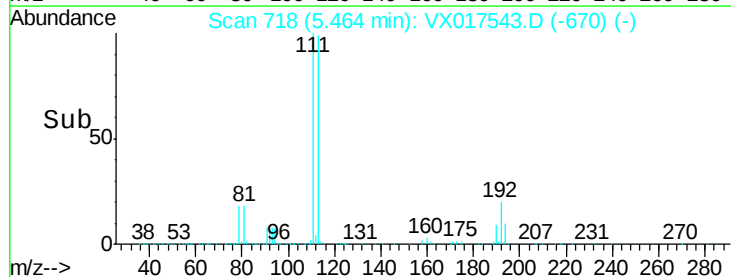
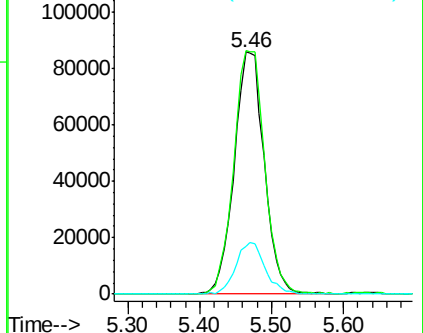
192 20.9 16.9 25.3

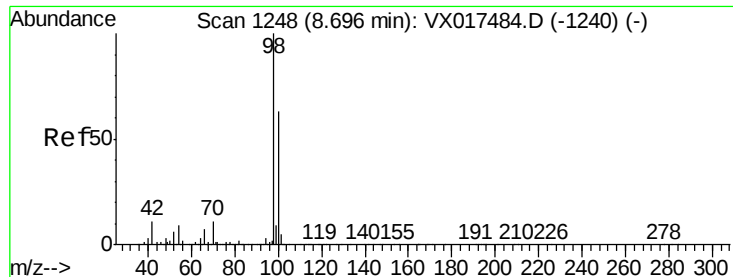


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

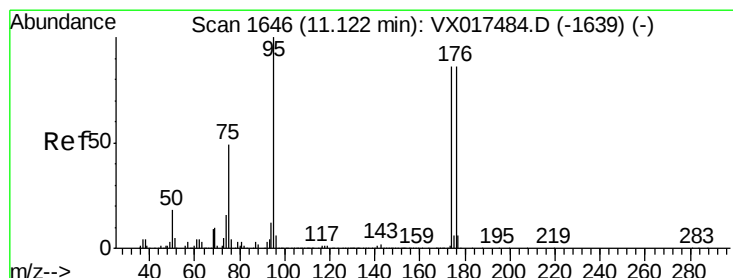
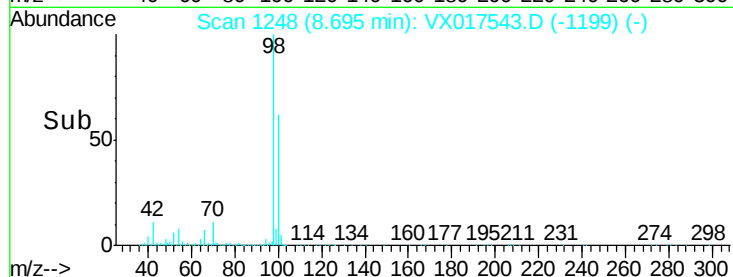
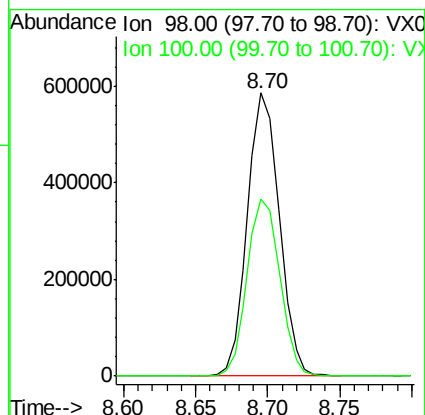
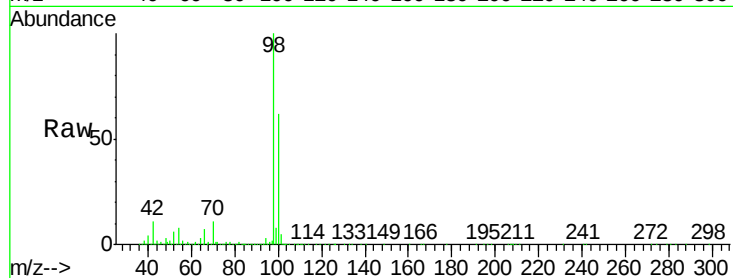




#50  
Toluene-d8  
Concen: 47.758 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX017543.D  
Acq: 24 Jul 2020 15:22

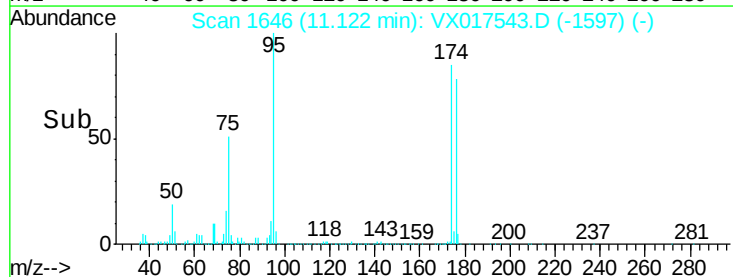
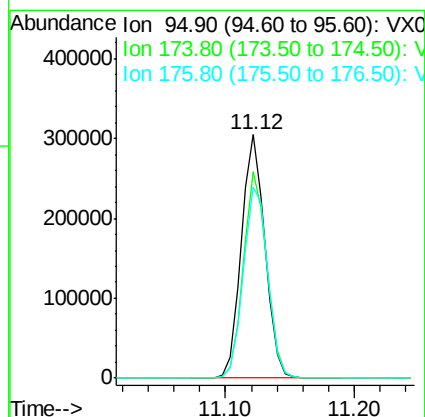
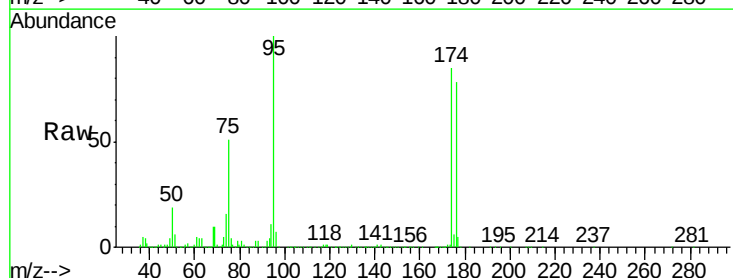
Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

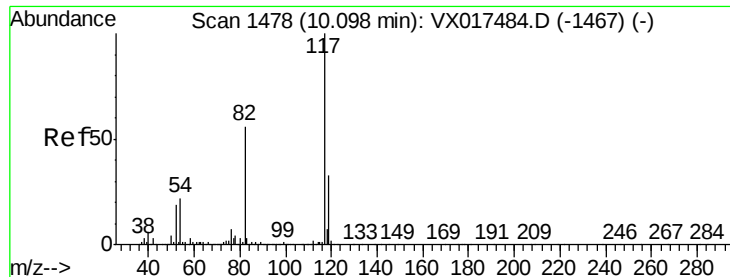
Tgt Ion: 98 Resp: 902115  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 51.091 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX017543.D  
Acq: 24 Jul 2020 15:22

Tgt Ion: 95 Resp: 386229  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 169.0  
176 80.9 0.0 161.0

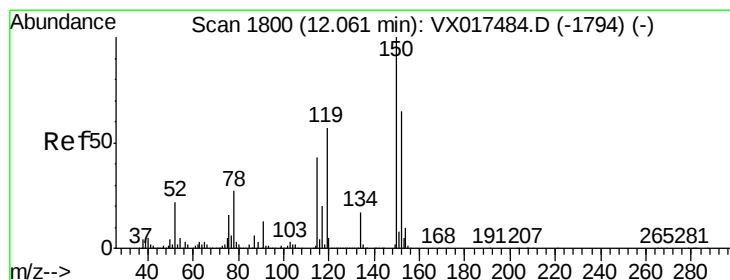
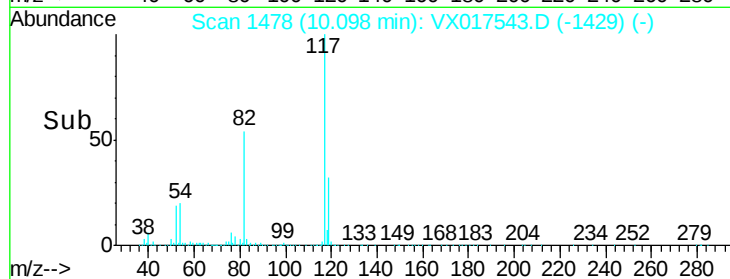
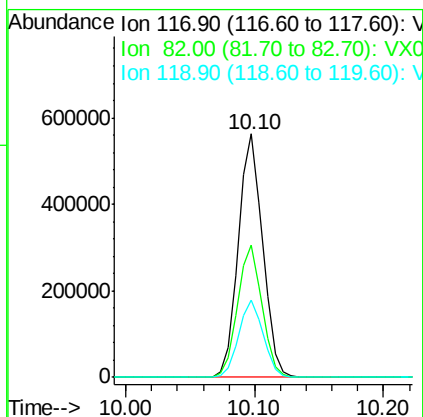
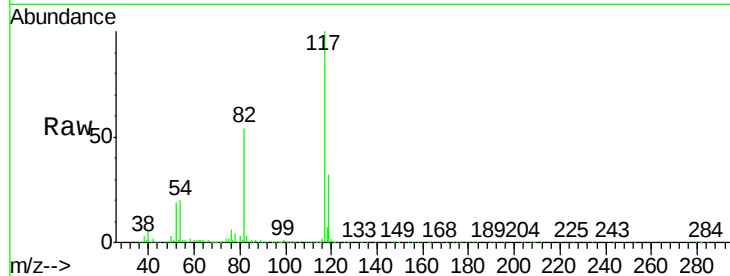




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017543.D  
Acq: 24 Jul 2020 15:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.3  | 44.0  | 66.0  |
| 119     | 31.8  | 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: VX017543.D  
Acq: 24 Jul 2020 15:22

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 152     | 100   |       |        |
| 115     | 58.3  | 65.5  | 196.6# |
| 150     | 156.7 | 0.0   | 412.6  |

