

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\  
 Data File : VX017204.D  
 Acq On : 07 Jul 2020 15:29  
 Operator : JC/SP  
 Sample : L3159-21DL 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 60BR-20200629DL

Quant Time: Jul 08 05:56:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

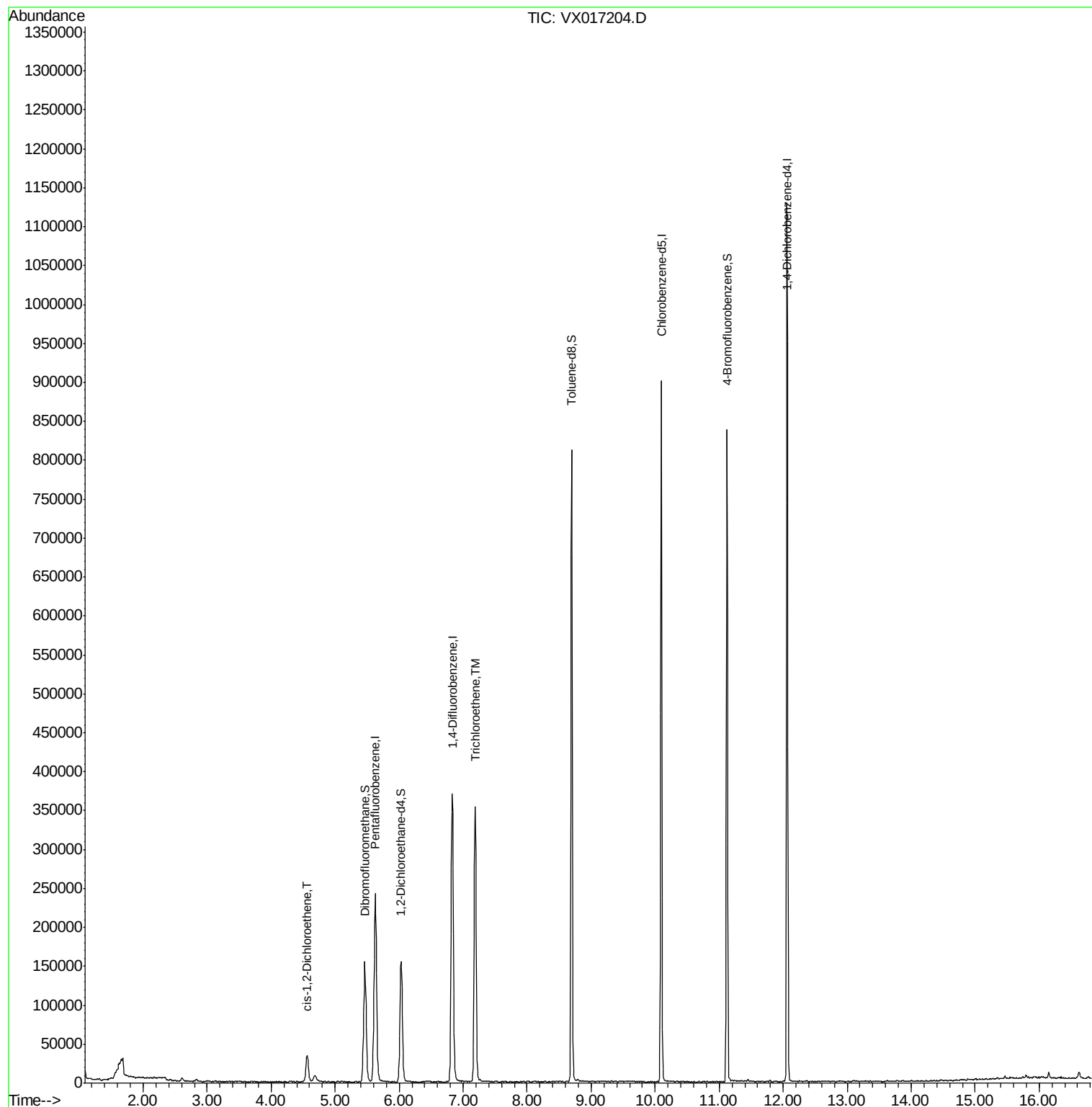
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 231429   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 381782   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 418929   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 233302   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 150893   | 52.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.78% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 130781   | 54.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.30% |          |
| 50) Toluene-d8              | 8.70  | 98   | 469996   | 52.63  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.26% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 209608   | 60.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.08% |          |
| Target Compounds            |       |      |          |        |         |          |
| 27) cis-1,2-Dichloroethene  | 4.56  | 96   | 22705    | 7.886  | ug/l    | 87       |
| 44) Trichloroethene         | 7.19  | 130  | 141259   | 48.274 | ug/l    | 98       |

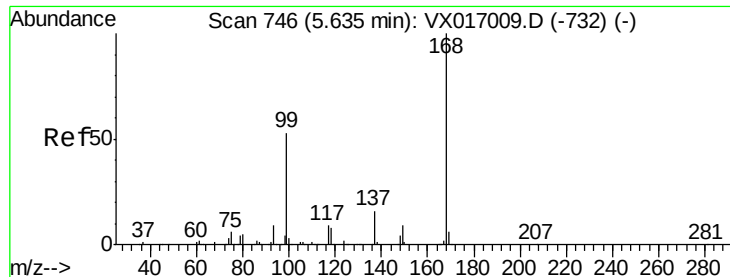
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017204.D

Acq: 07 Jul 2020 15:29

Instrument :

MSVOA\_X

ClientSampleId :

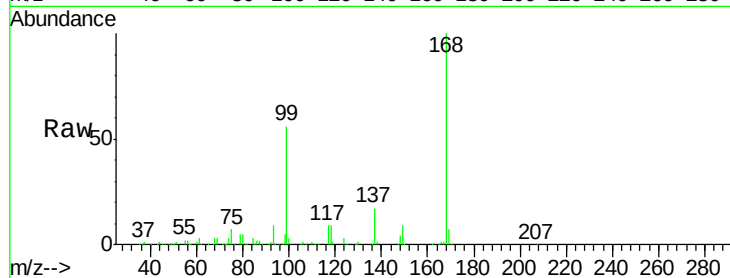
60BR-20200629DL

Tot Ion:168 Resp: 231429

Ion Ratio Lower Upper

168 100

99 55.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

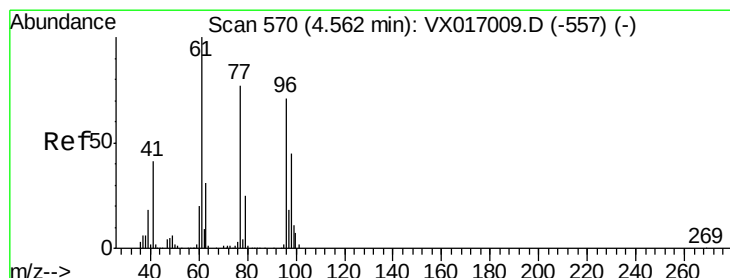
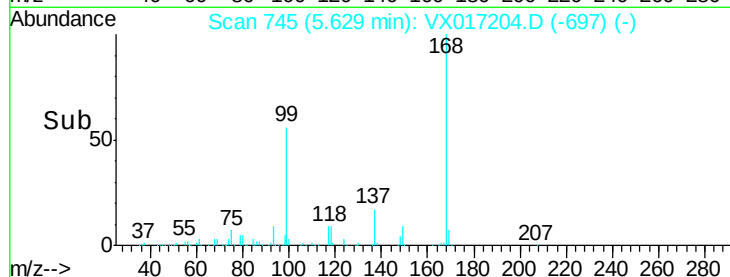
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 7.886 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX017204.D

Acq: 07 Jul 2020 15:29

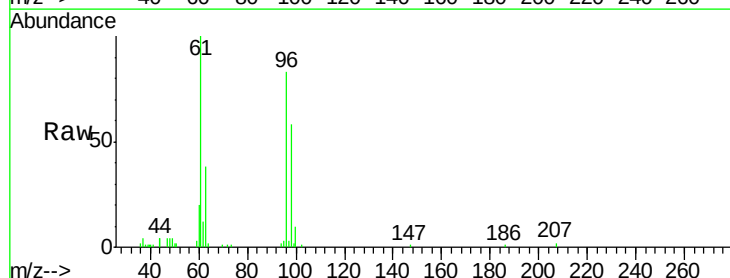
Tgt Ion: 96 Resp: 22705

Ion Ratio Lower Upper

96 100

61 118.3 0.0 282.8

98 64.3 0.0 127.6



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

4.56

12000

10000

8000

6000

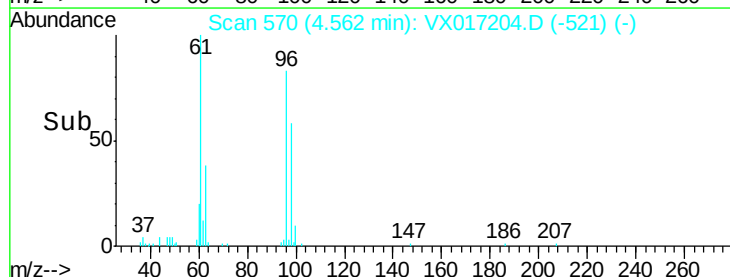
4000

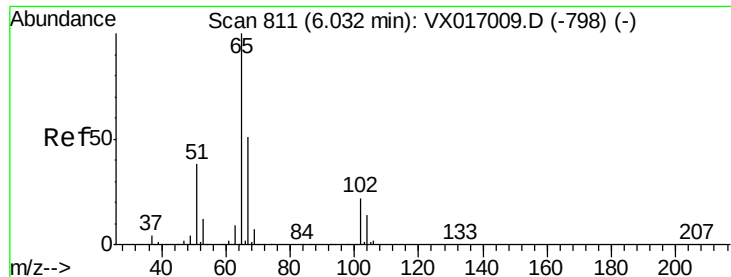
2000

0

Time-->

4.50 4.60 4.70





#33

1,2-Dichloroethane-d4

Concen: 52.888 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017204.D

Acq: 07 Jul 2020 15:29

Instrument :

MSVOA\_X

ClientSampleId :

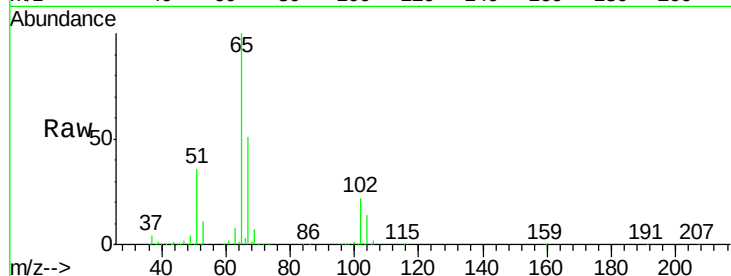
60BR-20200629DL

Tot Ion: 65 Resp: 150893

Ion Ratio Lower Upper

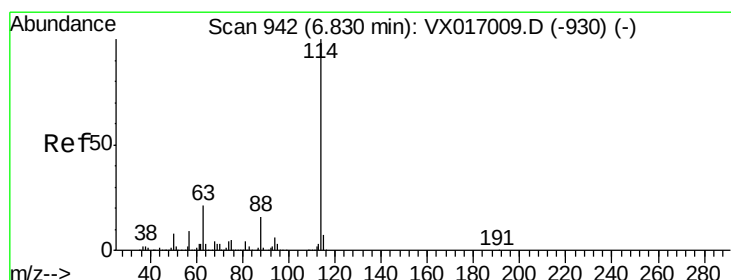
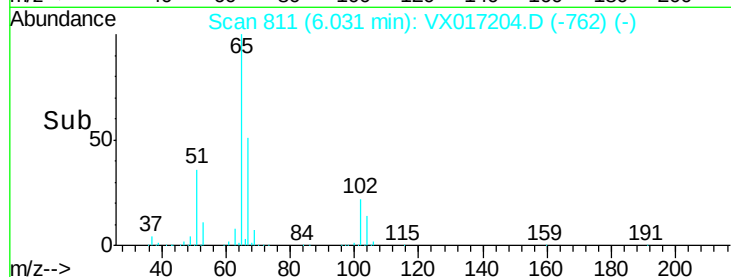
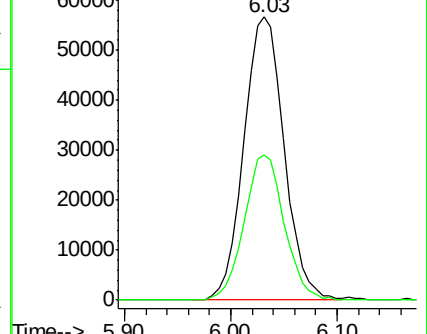
65 100

67 51.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017204.D

Acq: 07 Jul 2020 15:29

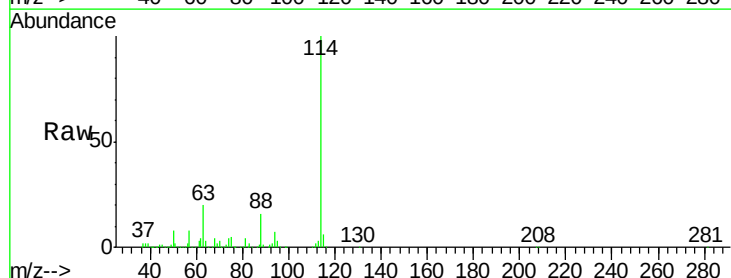
Tgt Ion: 114 Resp: 381782

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

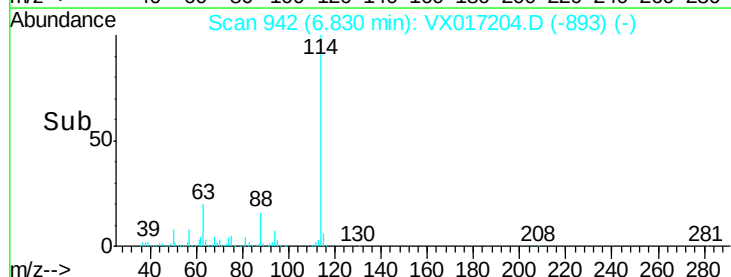
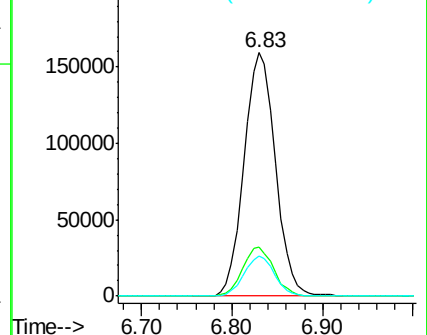
88 16.3 0.0 32.4

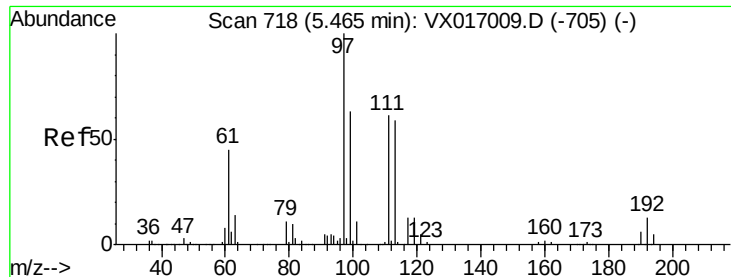


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

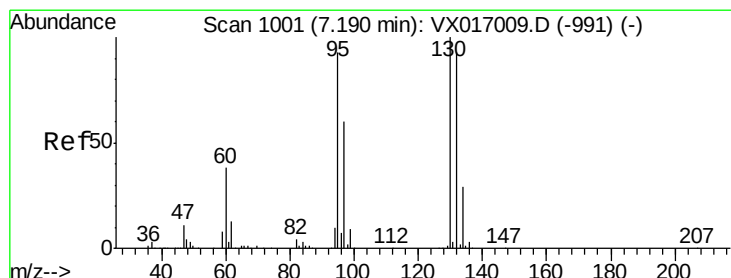
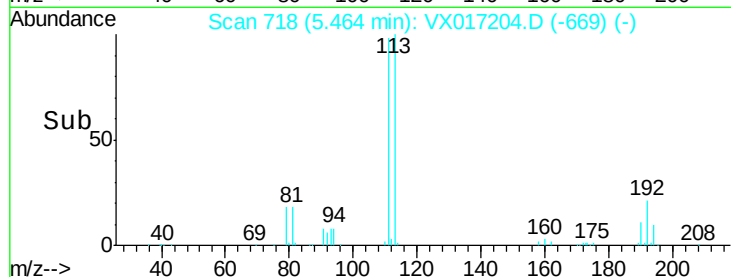
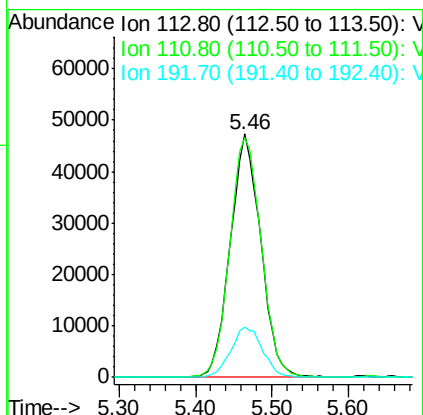
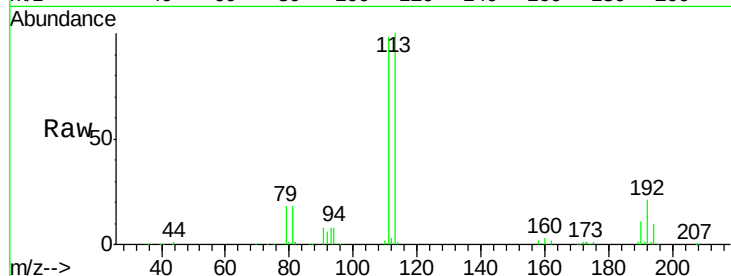




#35  
 Dibromofluoromethane  
 Concen: 54.153 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.00 min  
 Lab File: VX017204.D  
 Acq: 07 Jul 2020 15:29

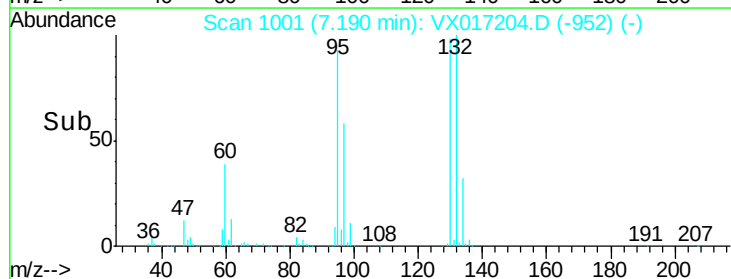
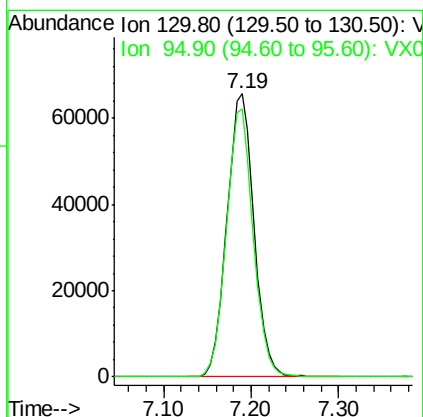
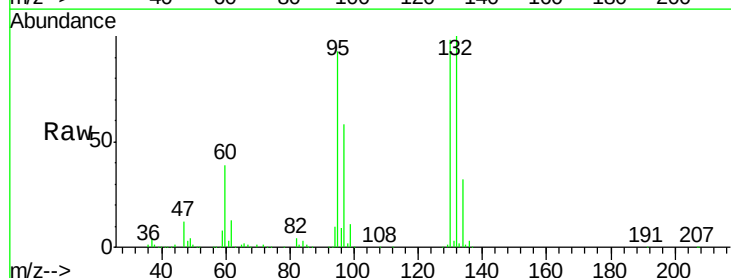
Instrument :  
 MSVOA\_X  
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 60BR-20200629DL

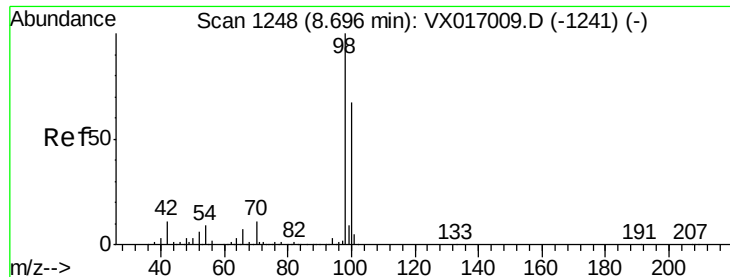
Tot Ion:113 Resp: 130781  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 81.9 122.9  
 192 21.6 16.7 25.1



#44  
 Trichloroethene  
 Concen: 48.274 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VX017204.D  
 Acq: 07 Jul 2020 15:29

Tgt Ion:130 Resp: 141259  
 Ion Ratio Lower Upper  
 130 100  
 95 94.9 0.0 185.0





#50

Toluene-d8

Concen: 52.629 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017204.D

Acq: 07 Jul 2020 15:29

Instrument :

MSVOA\_X

ClientSampleId :

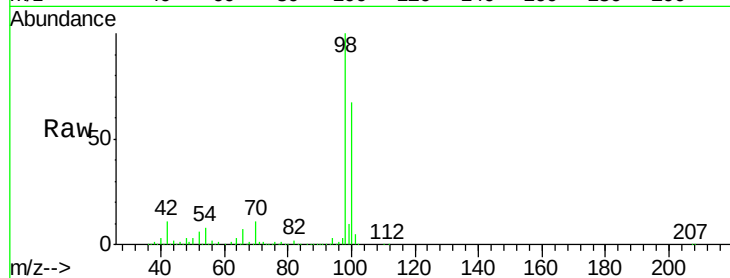
60BR-20200629DL

Tot Ion: 98 Resp: 469996

Ion Ratio Lower Upper

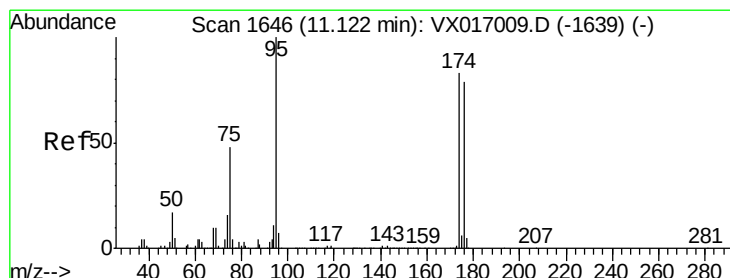
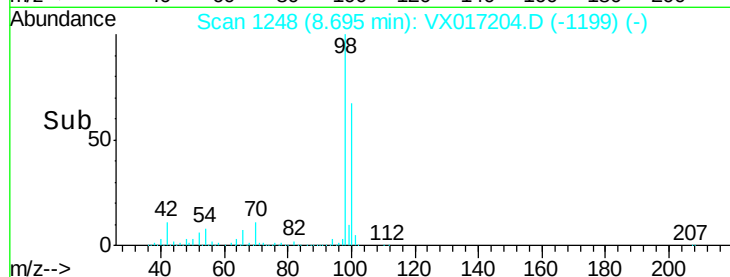
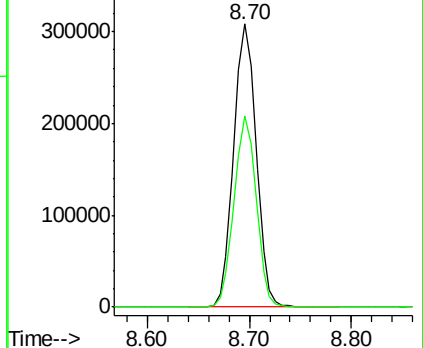
98 100

100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#62

4-Bromofluorobenzene

Concen: 60.043 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017204.D

Acq: 07 Jul 2020 15:29

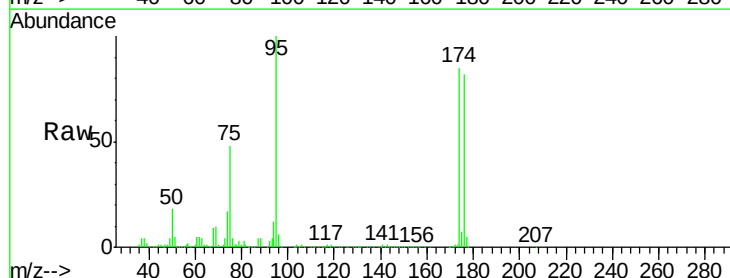
Tgt Ion: 95 Resp: 209608

Ion Ratio Lower Upper

95 100

174 84.7 0.0 164.0

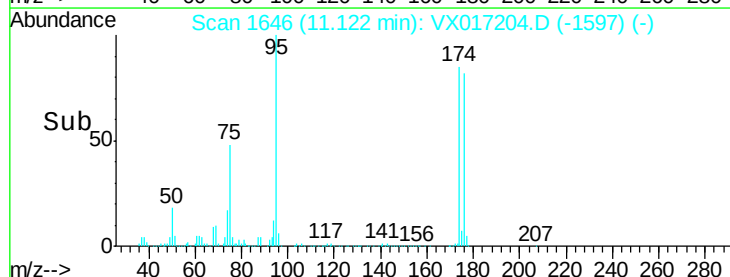
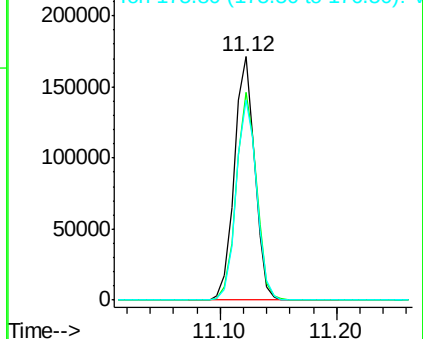
176 82.3 0.0 157.6

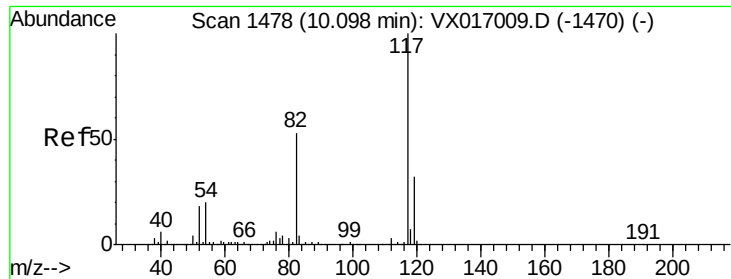


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

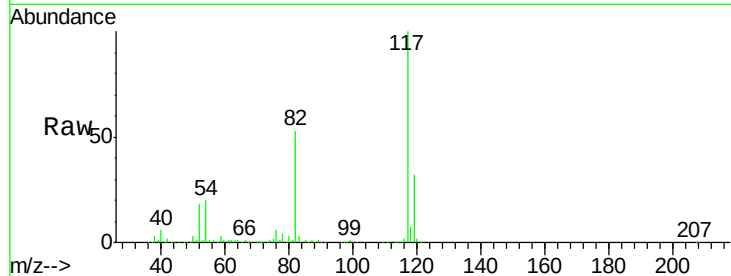




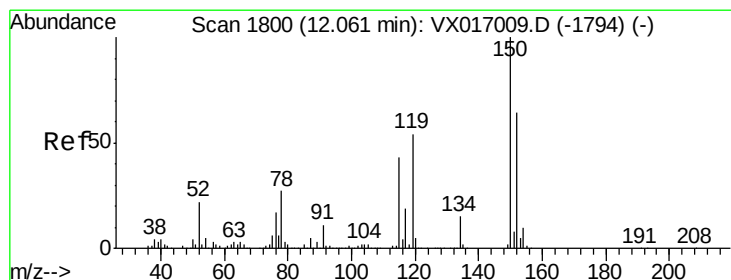
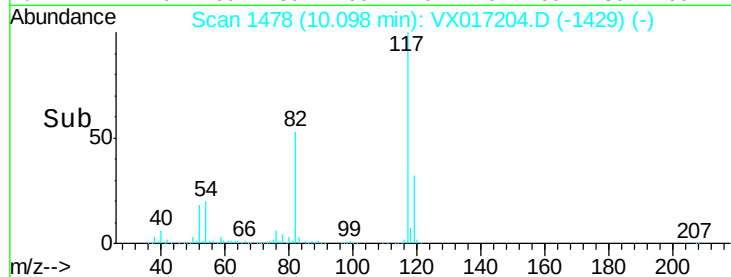
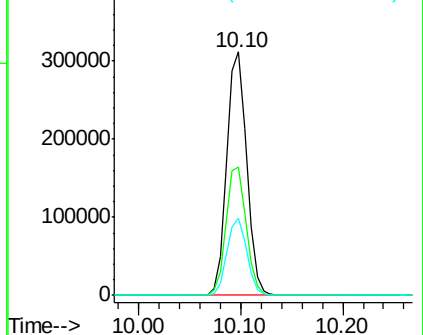
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017204.D  
Acq: 07 Jul 2020 15:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
60BR-20200629DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.7  | 42.6  | 63.8  |
| 119     | 31.9  | 25.4  | 38.2  |

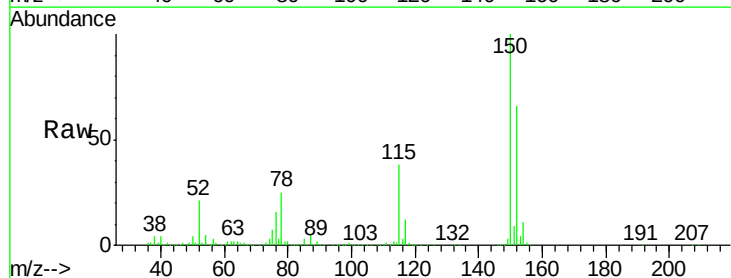


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX017204.D  
Acq: 07 Jul 2020 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.4  | 40.9  | 122.7 |
| 150     | 152.7 | 0.0   | 351.6 |



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

