

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\  
 Data File : VX017198.D  
 Acq On : 07 Jul 2020 13:13  
 Operator : JC/SP  
 Sample : L3159-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 50BR-20200629

Quant Time: Jul 08 02:07:07 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

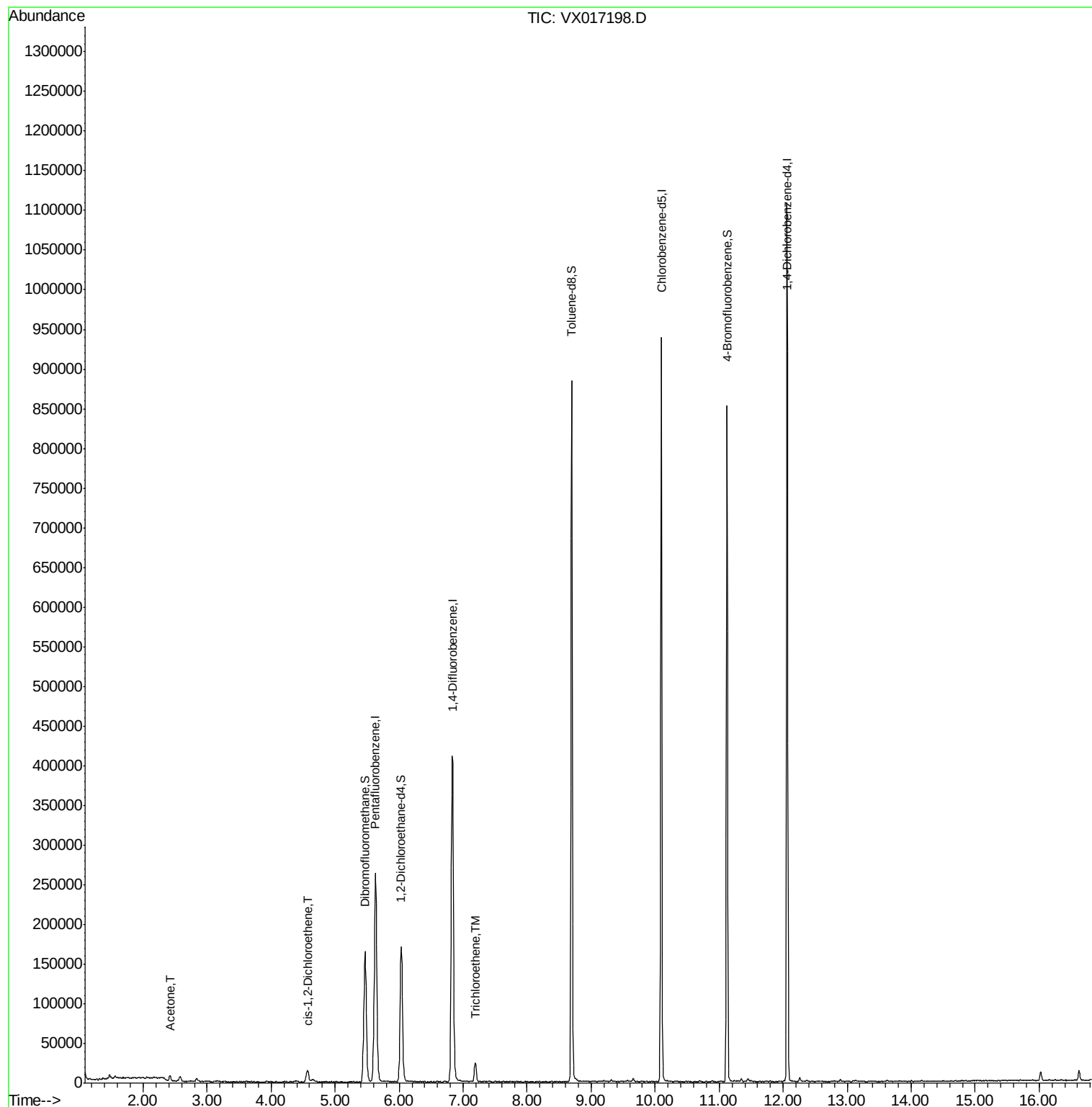
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 249871   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 424665   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 427693   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 229678   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 165340   | 53.67 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.34% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 141887   | 52.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.64% |          |
| 50) Toluene-d8              | 8.70  | 98   | 505064   | 50.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.70% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 210216   | 54.14 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.28% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.42  | 43   | 6769     | 5.874 | ug/l    | 90       |
| 27) cis-1,2-Dichloroethene  | 4.57  | 96   | 9623     | 3.096 | ug/l    | 84       |
| 44) Trichloroethene         | 7.19  | 130  | 9421     | 2.602 | ug/l    | 97       |

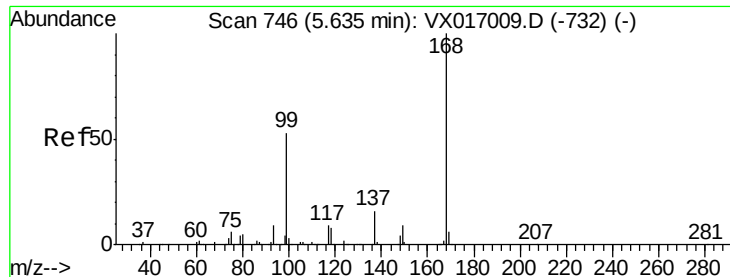
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA\_X

ClientSampleId :

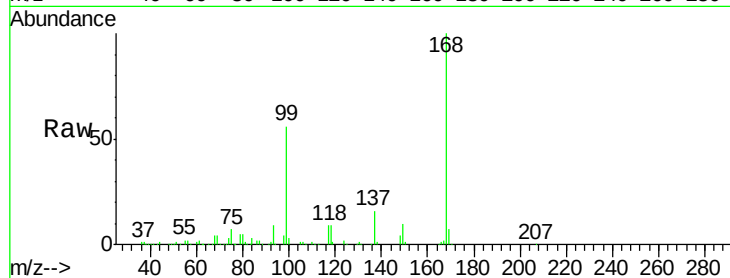
50BR-20200629

Tot Ion:168 Resp: 249871

Ion Ratio Lower Upper

168 100

99 56.2 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

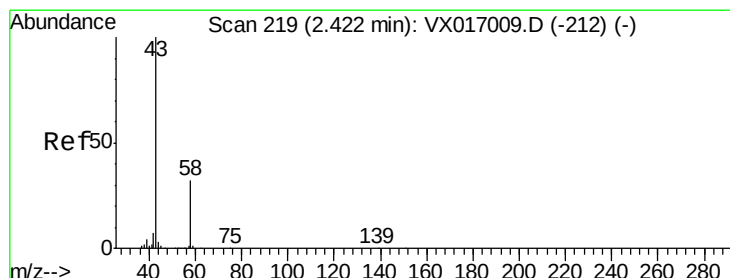
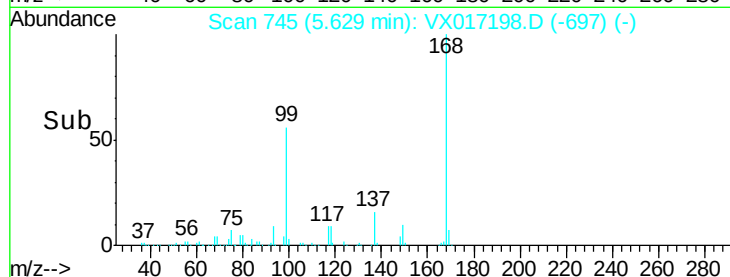
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 5.874 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017198.D

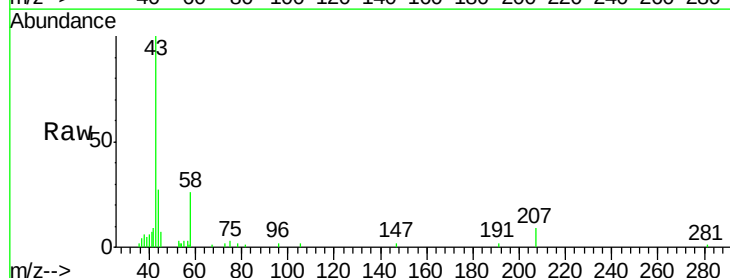
Acq: 07 Jul 2020 13:13

Tgt Ion: 43 Resp: 6769

Ion Ratio Lower Upper

43 100

58 26.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

4000

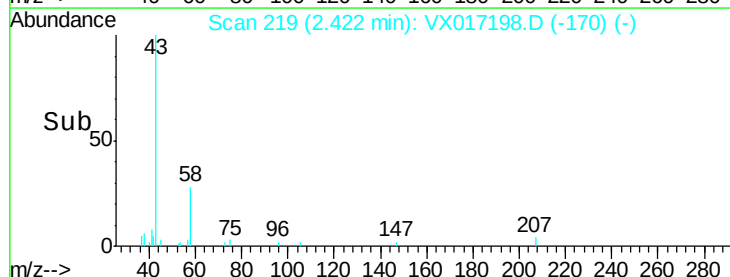
3000

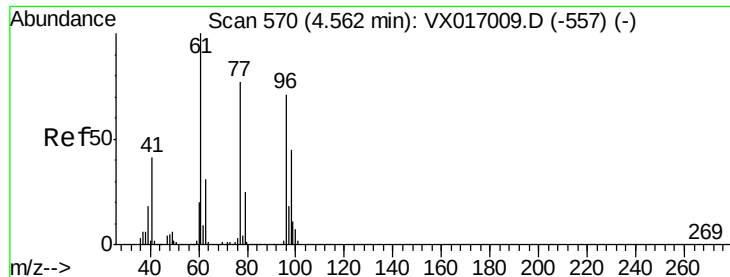
2000

1000

0

Time-->



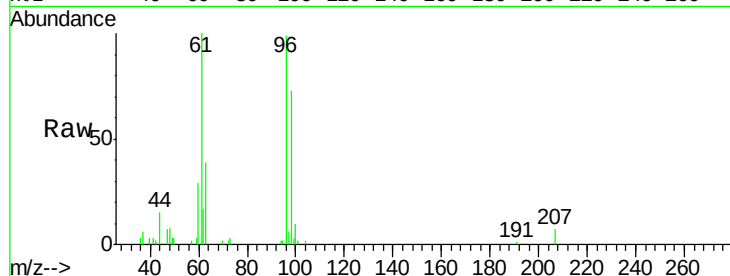


#27

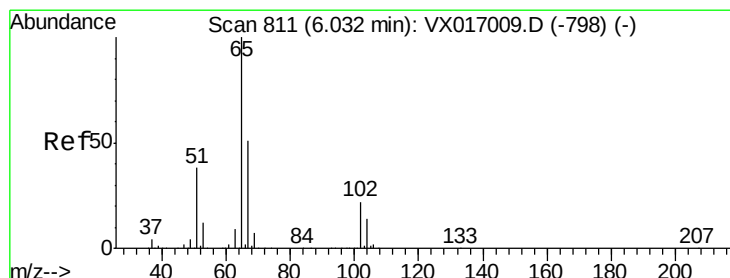
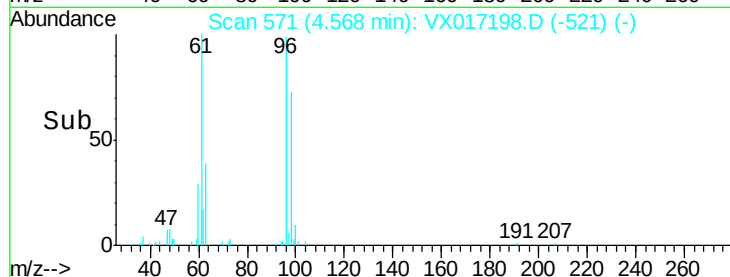
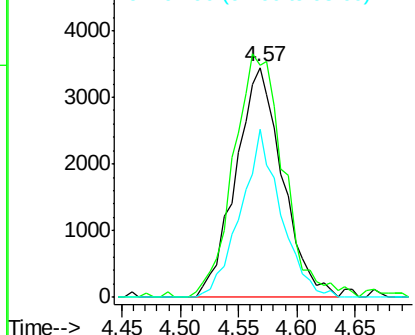
cis-1,2-Dichloroethene  
Concen: 3.096 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: VX017198.D  
Acq: 07 Jul 2020 13:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
50BR-20200629

| Tot Ion | 96    | Resp: | 9623  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 113.4 | 0.0   | 282.8 |
| 98      | 62.9  | 0.0   | 127.6 |



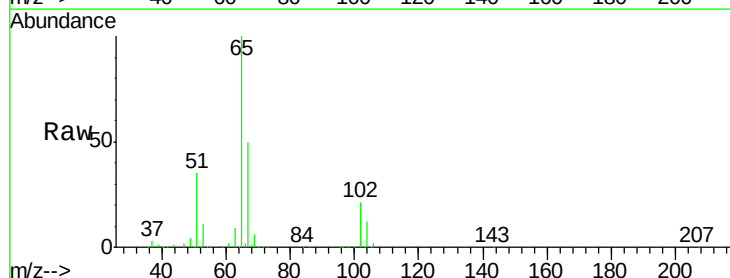
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



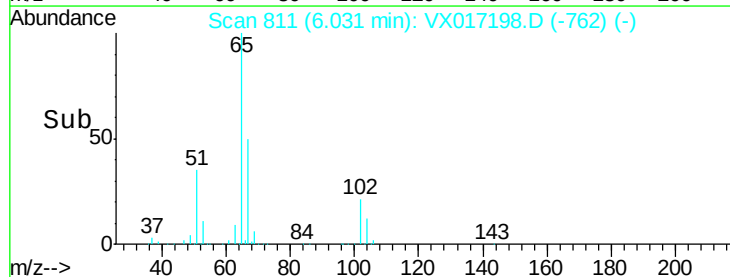
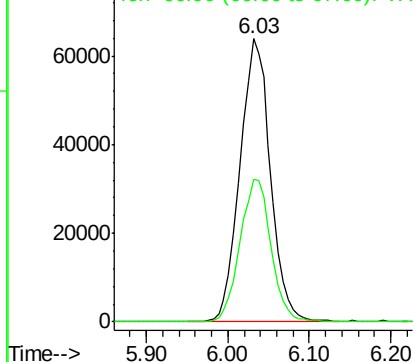
#33

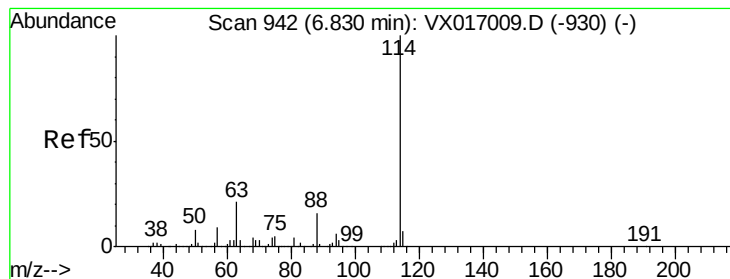
1,2-Dichloroethane-d4  
Concen: 53.675 ug/l  
RT: 6.03 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: VX017198.D  
Acq: 07 Jul 2020 13:13

| Tgt Ion | 65    | Resp: | 165340 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 51.6  | 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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA\_X

ClientSampleId :

50BR-20200629

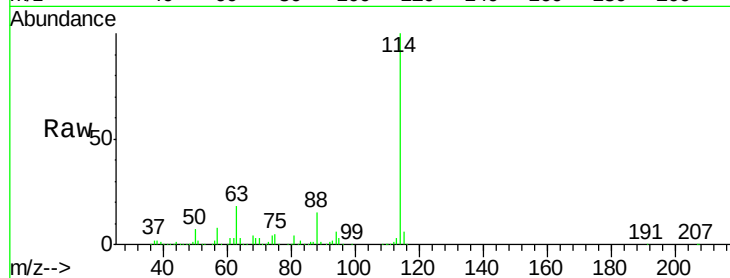
Tot Ion:114 Resp: 424665

Ion Ratio Lower Upper

114 100

63 18.0 0.0 41.4

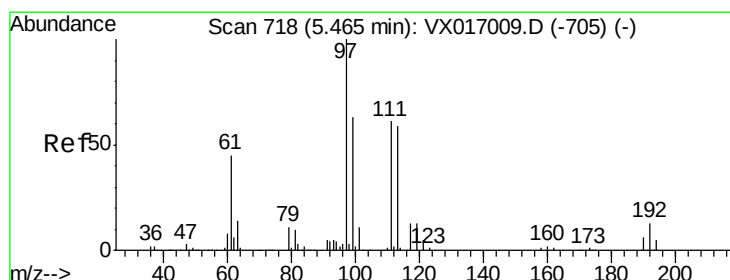
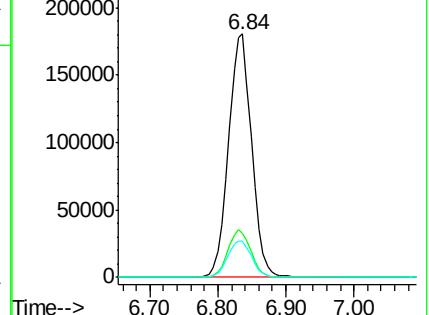
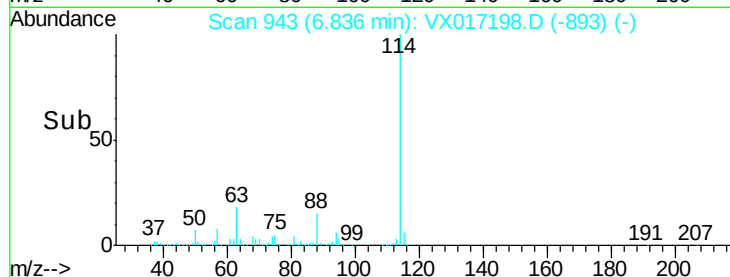
88 14.7 0.0 32.4



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: 52.819 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

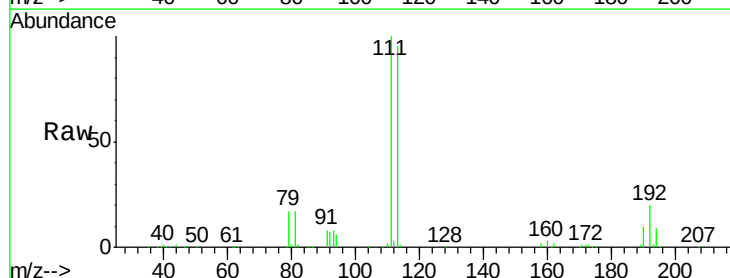
Tgt Ion:113 Resp: 141887

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

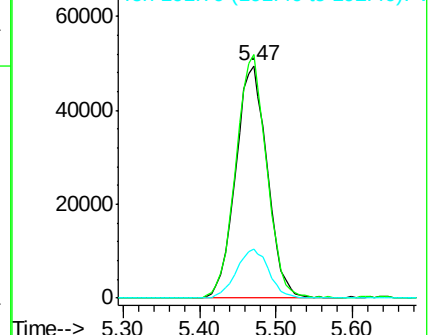
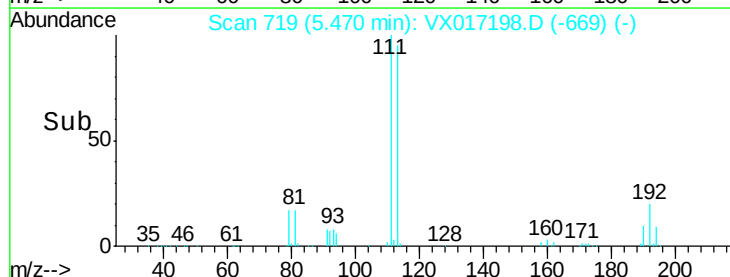
192 21.7 16.7 25.1

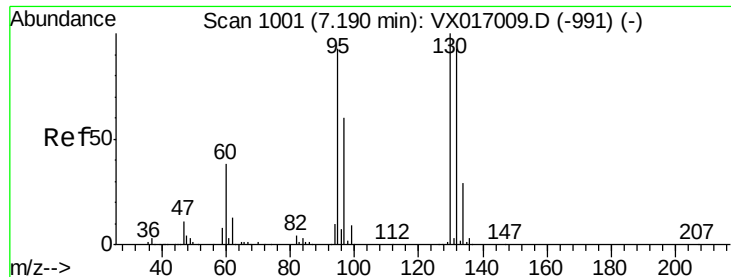


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 2.602 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA\_X

ClientSampleId :

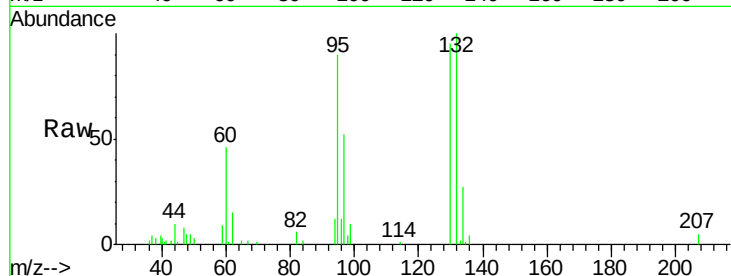
50BR-20200629

Tot Ion:130 Resp: 9421

Ion Ratio Lower Upper

130 100

95 95.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

4000

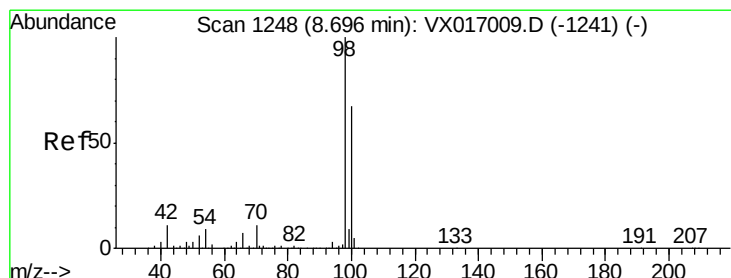
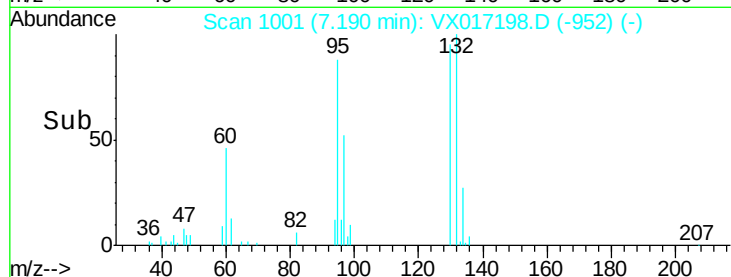
3000

2000

1000

0

Time--> 7.10 7.15 7.20 7.25



#50

Toluene-d8

Concen: 50.845 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017198.D

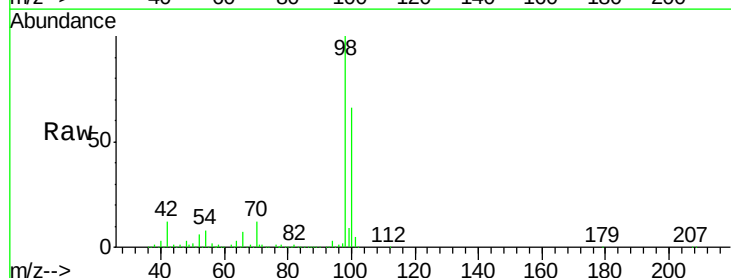
Acq: 07 Jul 2020 13:13

Tgt Ion: 98 Resp: 505064

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

400000

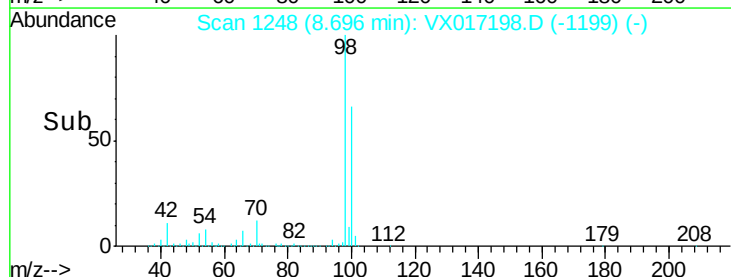
300000

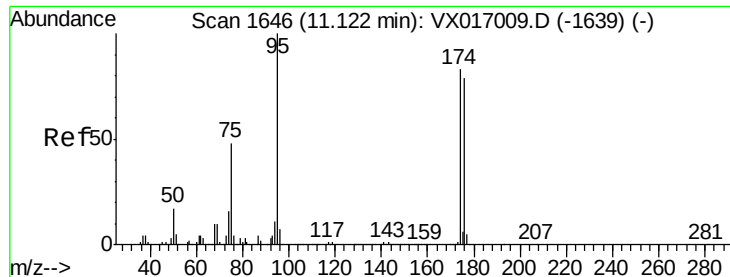
200000

100000

0

Time--> 8.60 8.65 8.70 8.75 8.80

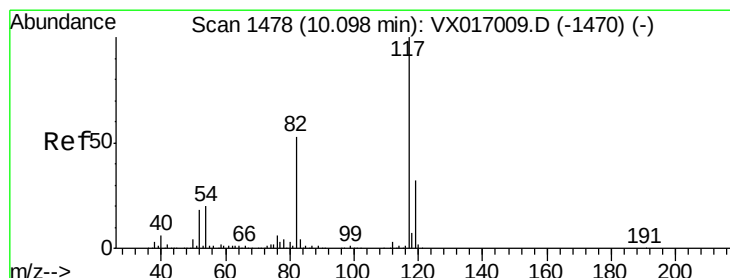
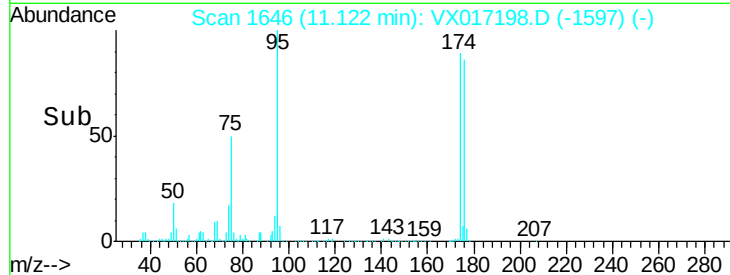
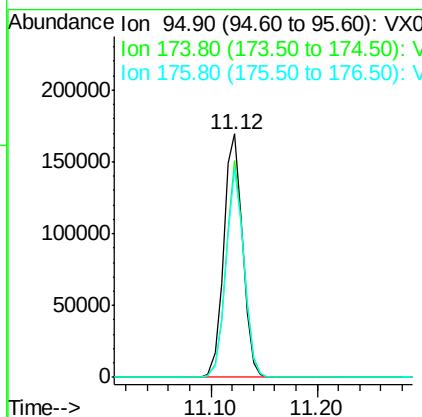
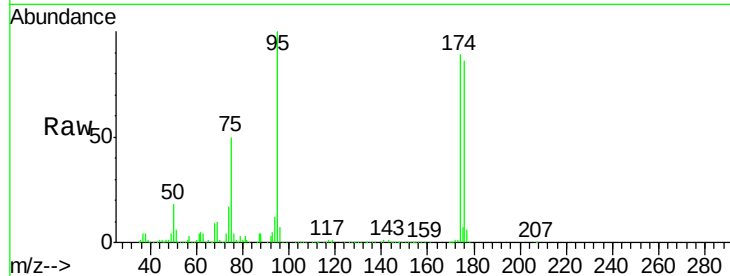




#62  
4-Bromofluorobenzene  
Concen: 54.136 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX017198.D  
Acq: 07 Jul 2020 13:13

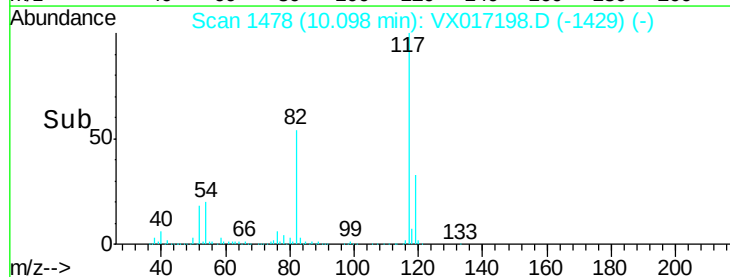
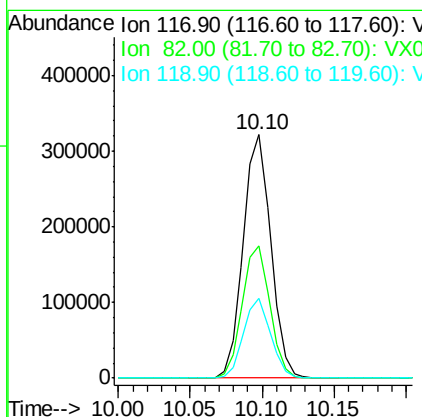
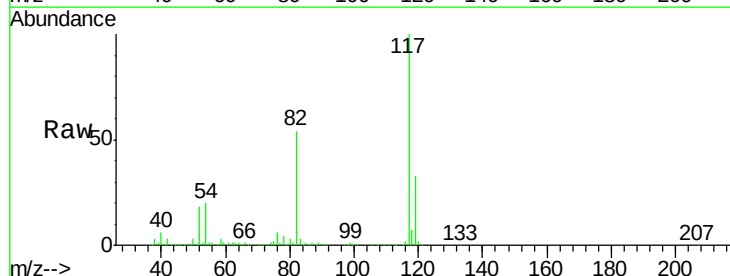
Instrument :  
MSVOA\_X  
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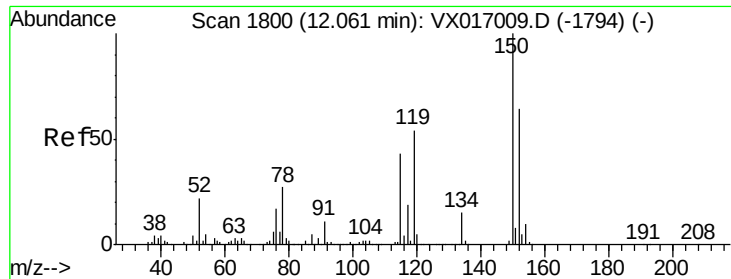
Tot Ion: 95 Resp: 210216  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 164.0  
176 82.1 0.0 157.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017198.D  
Acq: 07 Jul 2020 13:13

Tgt Ion: 117 Resp: 427693  
Ion Ratio Lower Upper  
117 100  
82 54.4 42.6 63.8  
119 32.8 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017198.D

Acq: 07 Jul 2020 13:13

Instrument :

MSVOA\_X

ClientSampleId :

50BR-20200629

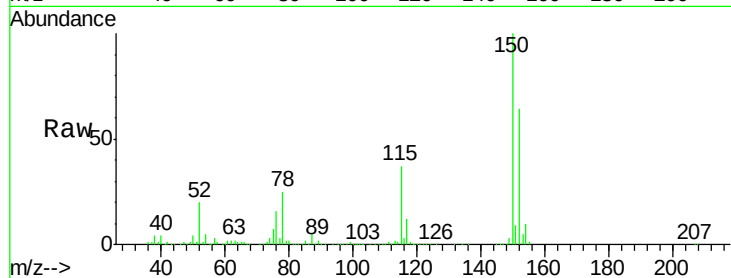
Tot Ion:152 Resp: 229678

Ion Ratio Lower Upper

152 100

115 56.8 40.9 122.7

150 153.4 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

