

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\  
 Data File : VX010187.D  
 Acq On : 10 Jun 2019 18:53  
 Operator : JC/SP  
 Sample : K3280-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TB05-20190608

Quant Time: Jun 11 02:39:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 268867   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 408678   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 367277   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 171317   | 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   | 120127   | 45.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.54%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 125091   | 49.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.24%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 479431   | 50.75 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.50% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 163519   | 46.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.68%  |          |

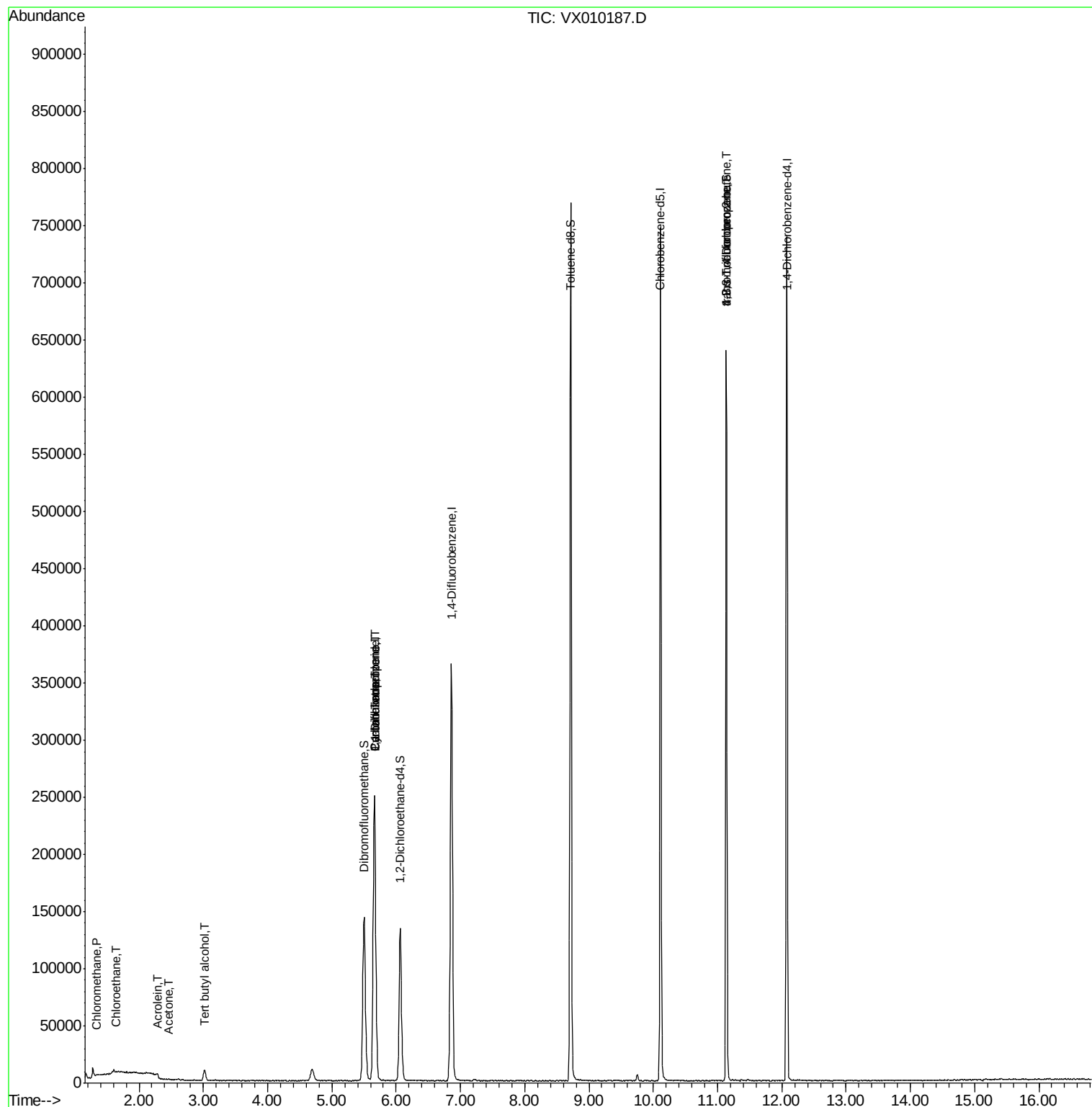
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 1.33  | 50   | 511      | 0.208  | ug/l   | 96     |
| 6) Chloroethane                | 1.65  | 64   | 2887     | 2.480  | ug/l # | 43     |
| 11) Tert butyl alcohol         | 3.02  | 59   | 5229     | 8.133  | ug/l # | 73     |
| 13) Acrolein                   | 2.28  | 56   | 54       | 0.461  | ug/l # | 1      |
| 16) Acetone                    | 2.45  | 43   | 431      | 0.349  | ug/l # | 81     |
| 31) Cyclohexane                | 5.66  | 56   | 4632     | 1.213  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.67  | 75   | 15731    | 4.718  | ug/l # | 42     |
| 38) Carbon Tetrachloride       | 5.67  | 117  | 22887    | 6.065  | ug/l # | 15     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 74142    | 21.637 | ug/l # | 34     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 74142    | 47.805 | ug/l # | 10     |

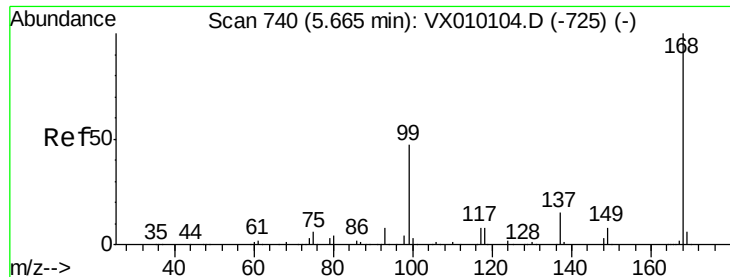
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061019\  
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Quant Title : SW846 8260  
QLast Update : Sat Jun 08 02:12:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

Instrument :

MSVOA\_X

ClientSampleId :

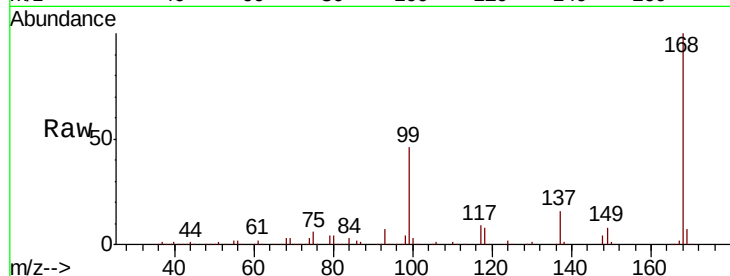
BP-TB05-20190608

Tot Ion:168 Resp: 268867

Ion Ratio Lower Upper

168 100

99 45.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

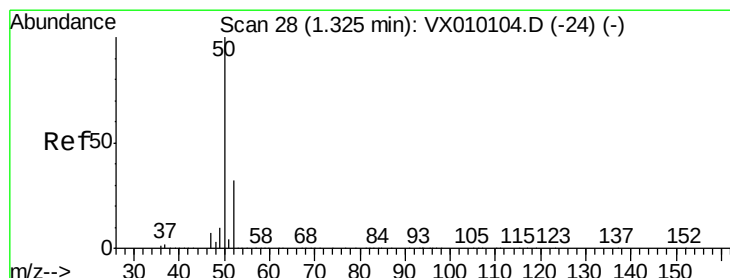
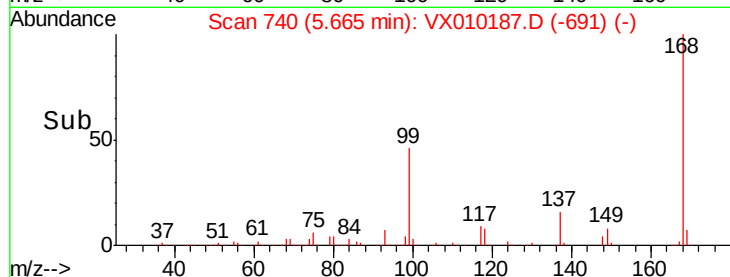
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010187.D

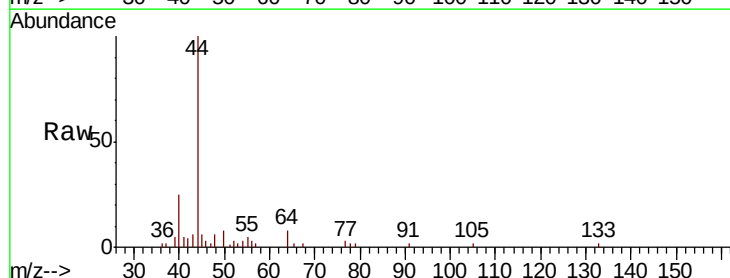
Acq: 10 Jun 2019 18:53

Tgt Ion: 50 Resp: 511

Ion Ratio Lower Upper

50 100

52 34.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

250

200

150

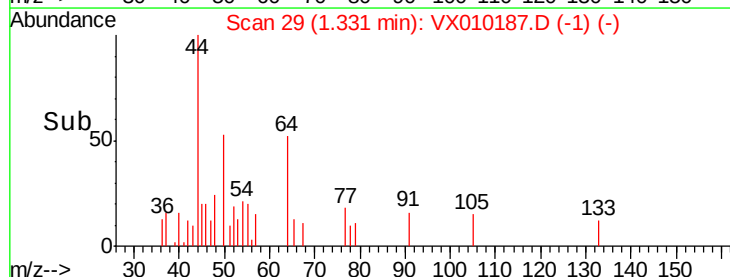
100

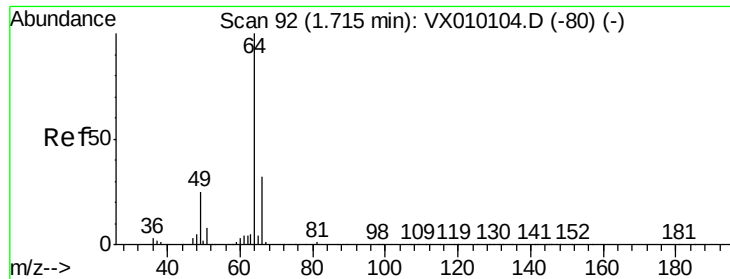
50

0

Time-->

1.30 1.35 1.40





#6

Chloroethane

Concen: 2.480 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

Instrument :

MSVOA\_X

ClientSampleId :

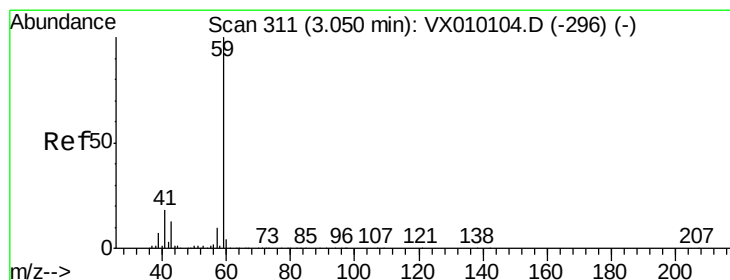
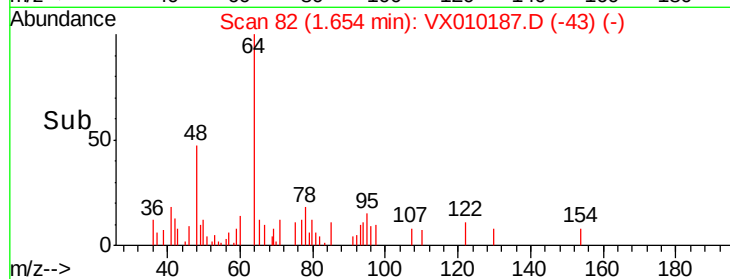
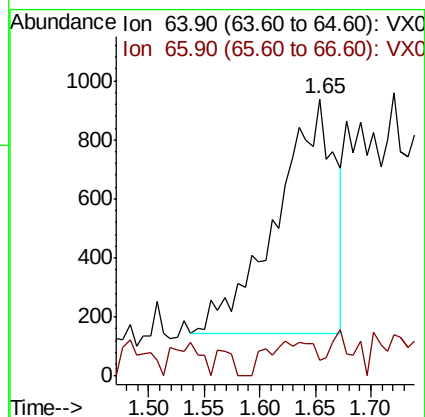
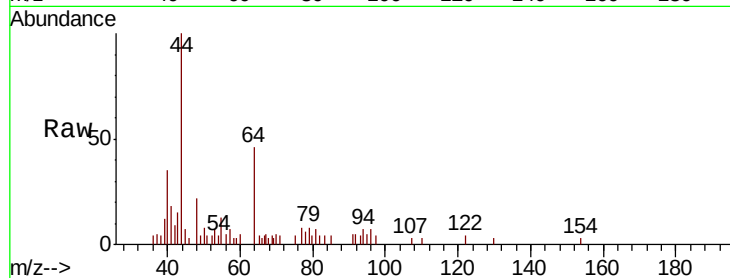
BP-TB05-20190608

Tot Ion: 64 Resp: 2887

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 8.133 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010187.D

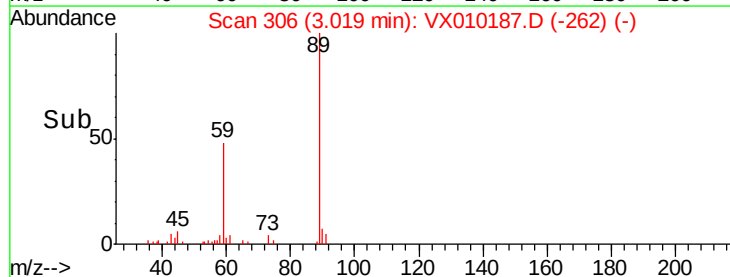
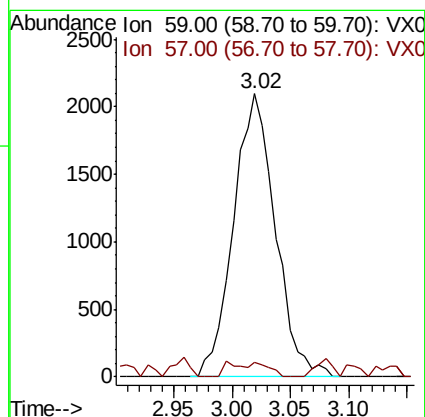
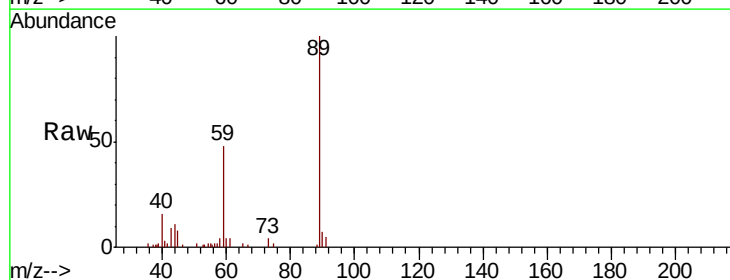
Acq: 10 Jun 2019 18:53

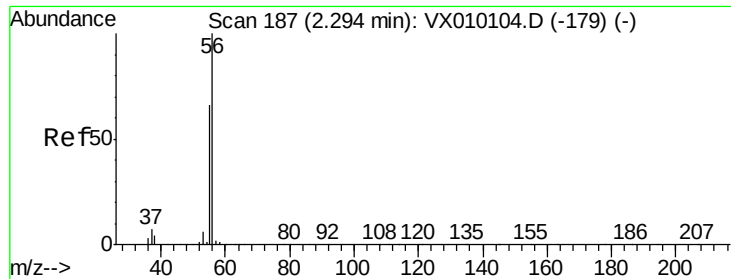
Tgt Ion: 59 Resp: 5229

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.461 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

Instrument :

MSVOA\_X

ClientSampleId :

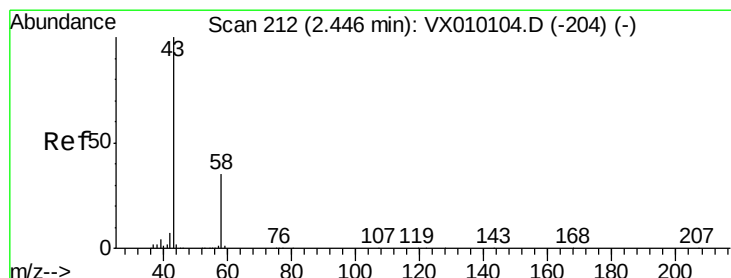
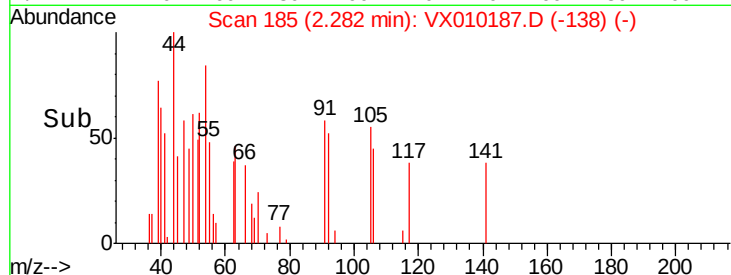
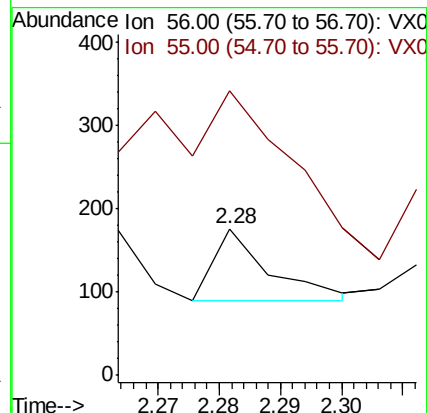
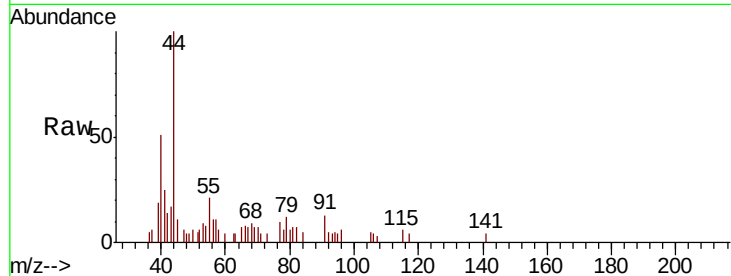
BP-TB05-20190608

Tot Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 829.6 57.0 85.4#



#16

Acetone

Concen: 0.349 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010187.D

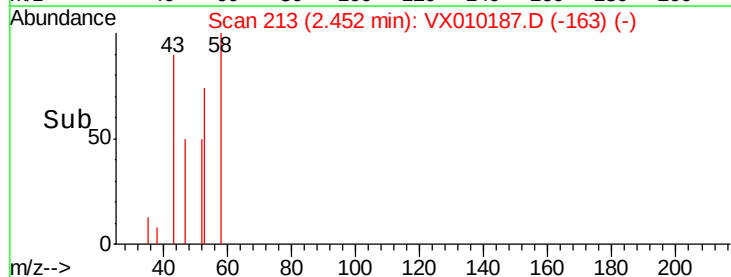
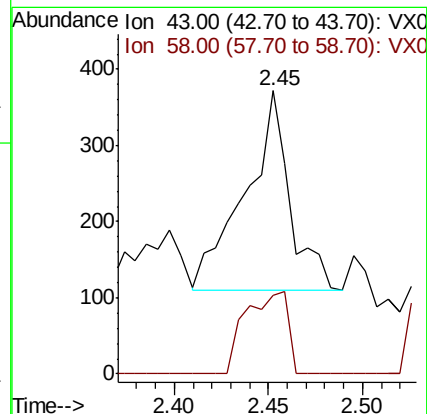
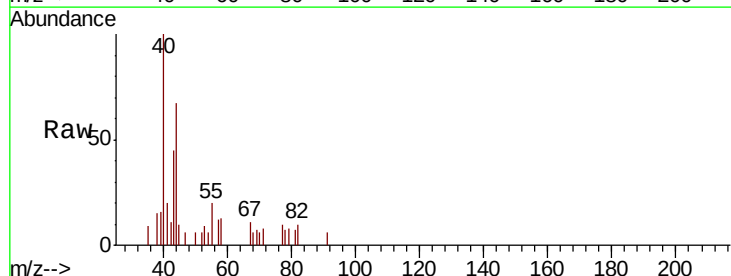
Acq: 10 Jun 2019 18:53

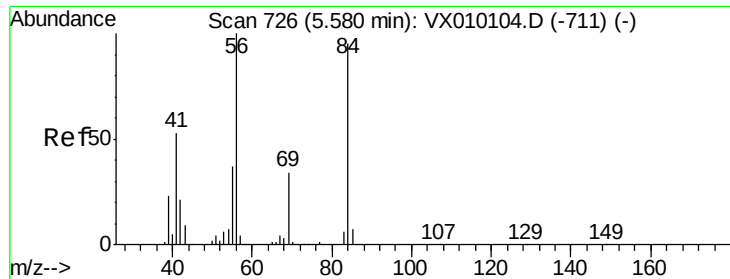
Tgt Ion: 43 Resp: 431

Ion Ratio Lower Upper

43 100

58 39.3 23.2 34.8#

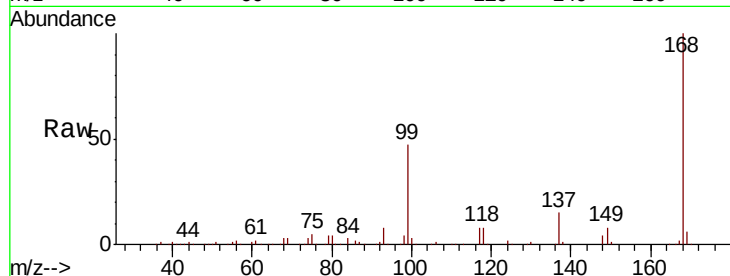




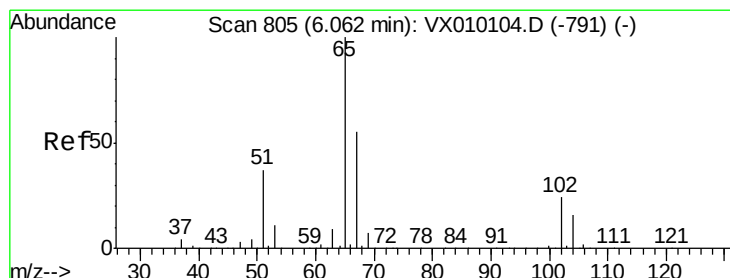
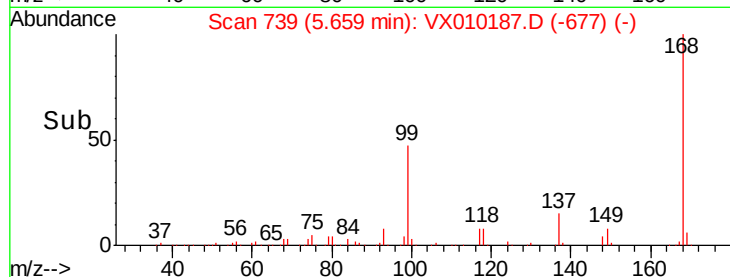
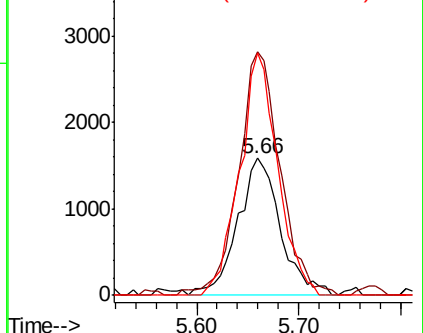
#31  
Cyclohexane  
Concen: 1.213 ug/l  
RT: 5.66 min Scan# 739  
Delta R.T. 0.08 min  
Lab File: VX010187.D  
Acq: 10 Jun 2019 18:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TB05-20190608

Tot Ion: 56 Resp: 4632  
Ion Ratio Lower Upper  
56 100  
69 177.3 21.6 32.4#  
84 176.3 56.8 85.2#

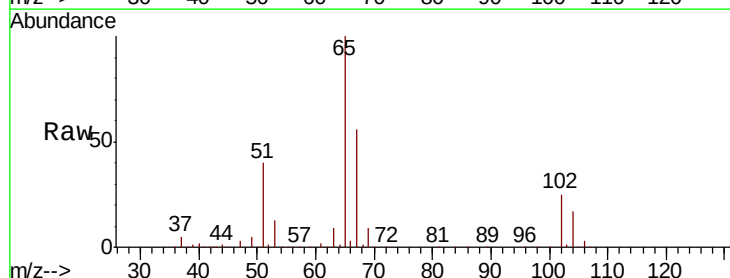


Abundance Ion 56.00 (55.70 to 56.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 84.00 (83.70 to 84.70): VX0

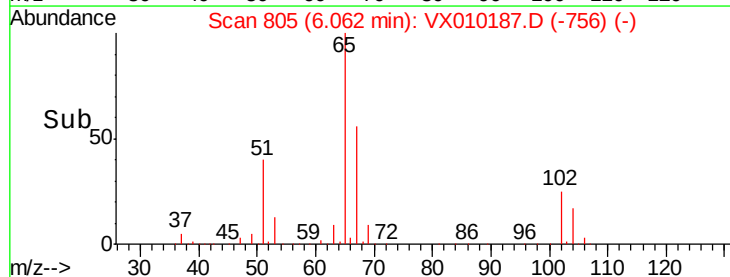
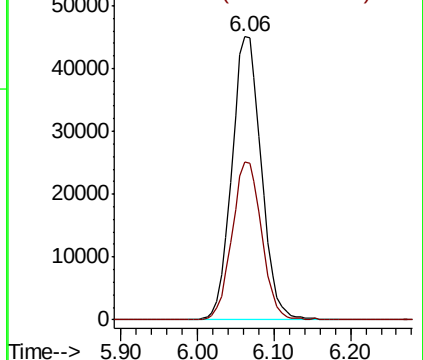


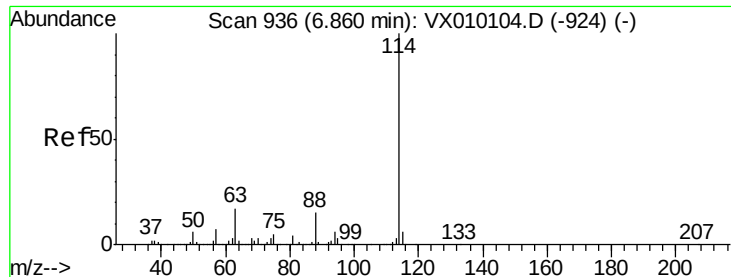
#33  
1,2-Dichloroethane-d4  
Concen: 45.772 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: VX010187.D  
Acq: 10 Jun 2019 18:53

Tgt Ion: 65 Resp: 120127  
Ion Ratio Lower Upper  
65 100  
67 56.2 0.0 108.4



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

Instrument :

MSVOA\_X

ClientSampleId :

BP-TB05-20190608

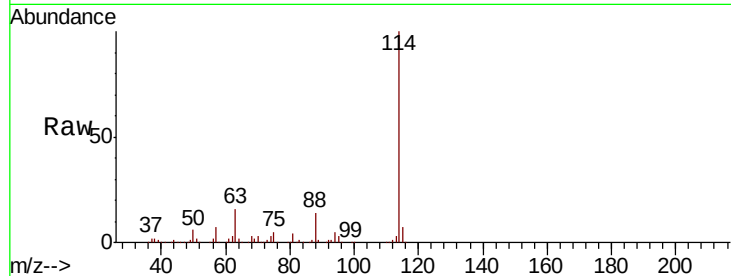
Tot Ion:114 Resp: 408678

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

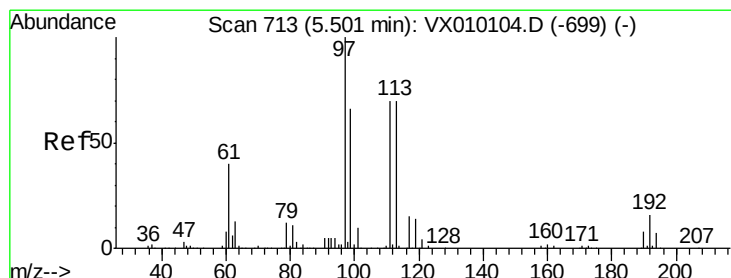
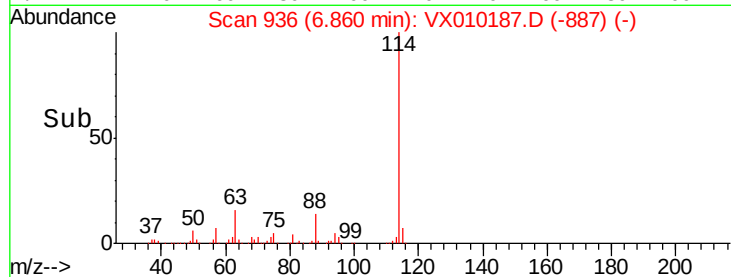
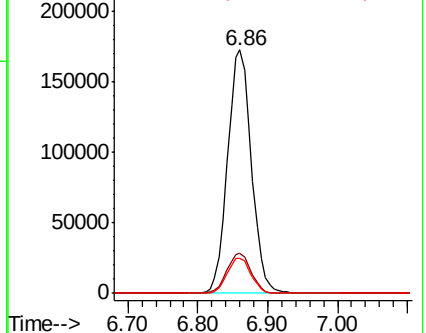
88 14.4 0.0 33.0



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: 49.623 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

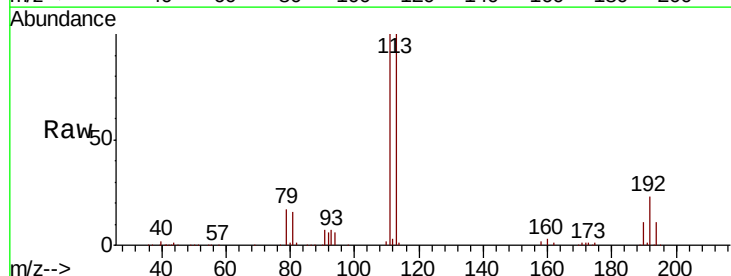
Tgt Ion:113 Resp: 125091

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

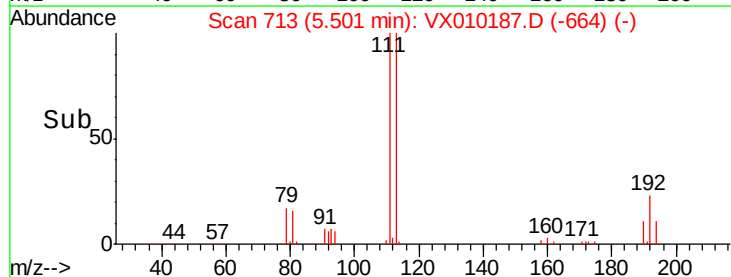
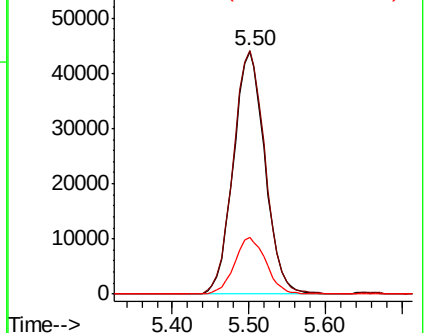
192 23.3 17.1 25.7

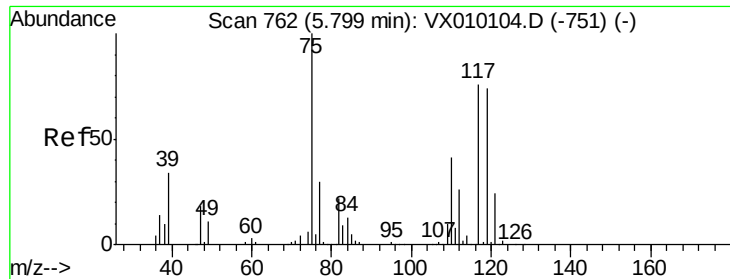


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

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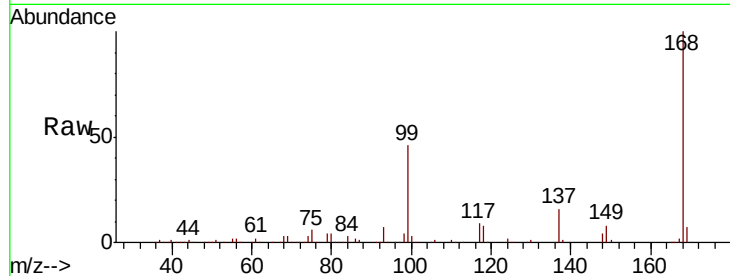
Tot Ion: 75 Resp: 15731

Ion Ratio Lower Upper

75 100

110 0.0 16.7 50.1#

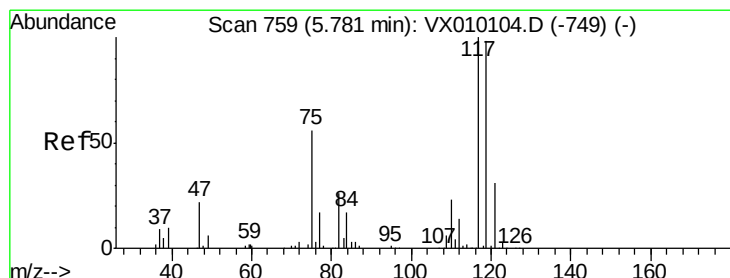
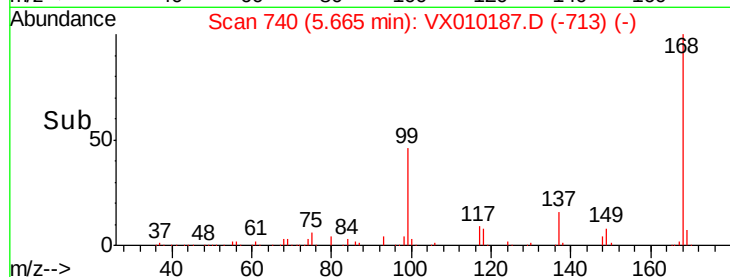
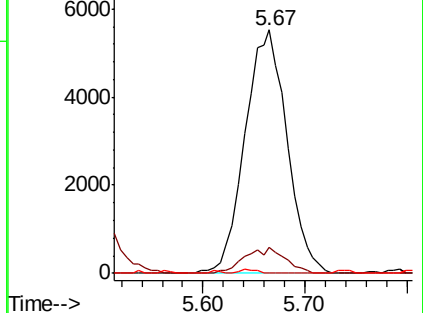
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.065 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

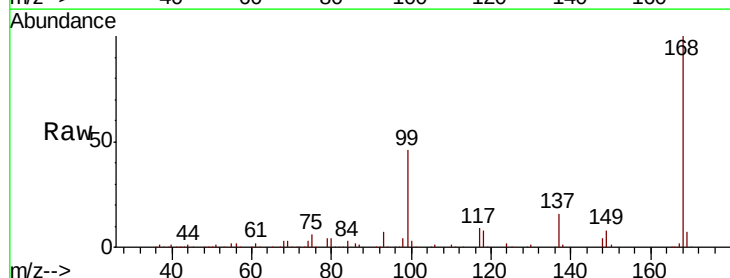
Tgt Ion: 117 Resp: 22887

Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

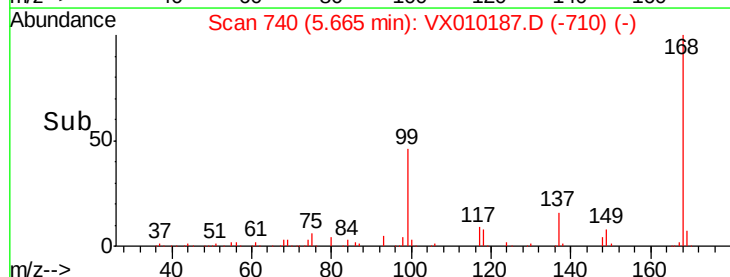
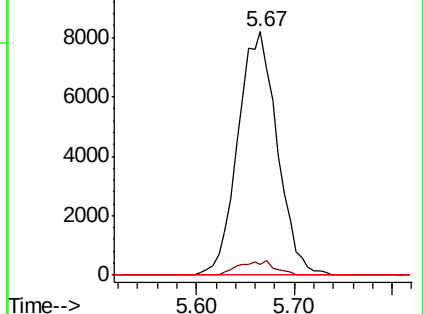
121 0.0 25.4 38.0#



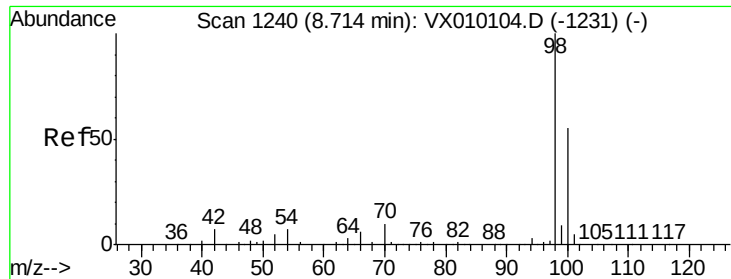
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V







#50

Toluene-d8

Concen: 50.746 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

Instrument :

MSVOA\_X

ClientSampleId :

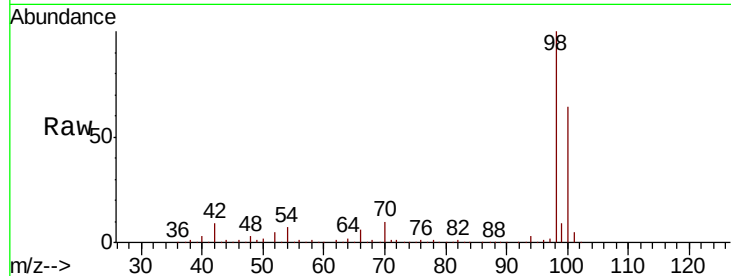
BP-TB05-20190608

Tot Ion: 98 Resp: 479431

Ion Ratio Lower Upper

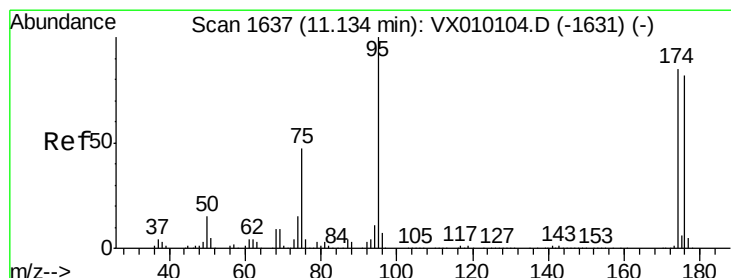
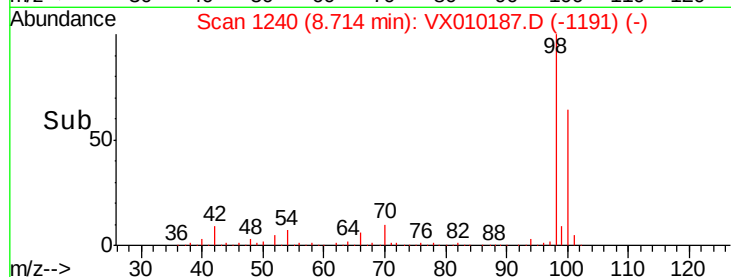
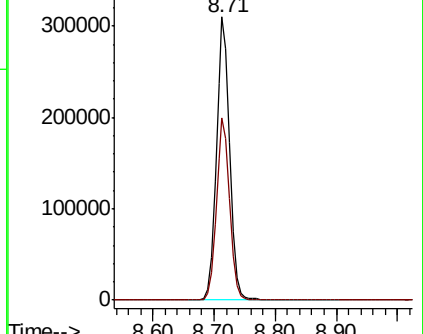
98 100

100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.345 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010187.D

Acq: 10 Jun 2019 18:53

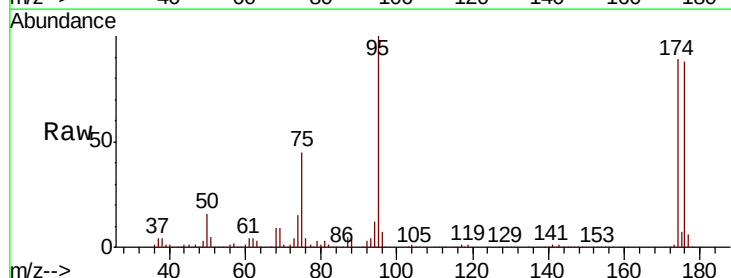
Tgt Ion: 95 Resp: 163519

Ion Ratio Lower Upper

95 100

174 94.4 0.0 160.4

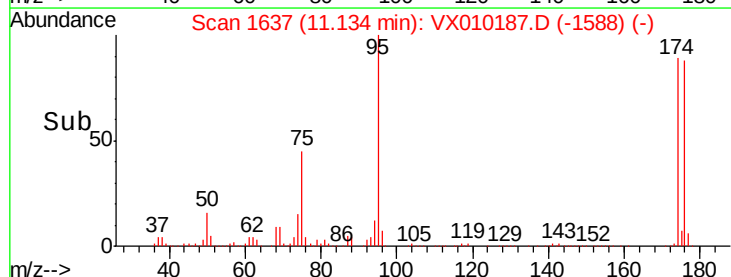
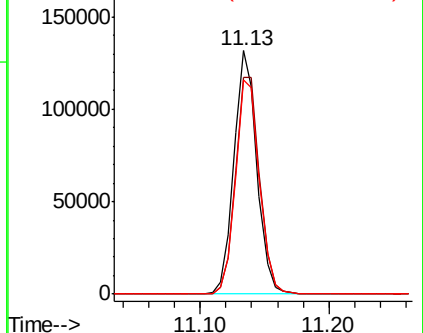
176 91.5 0.0 154.6

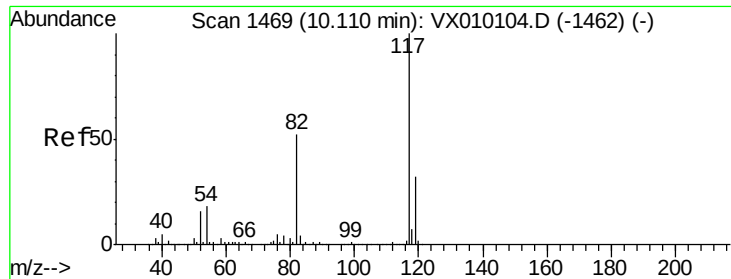


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

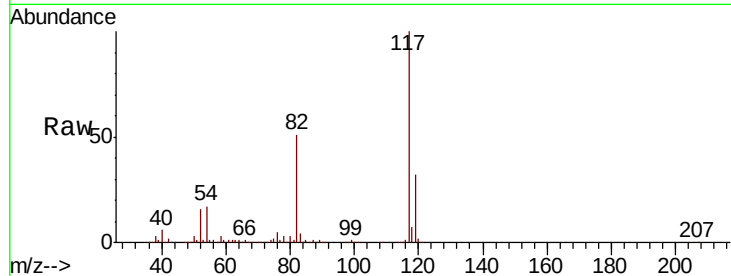




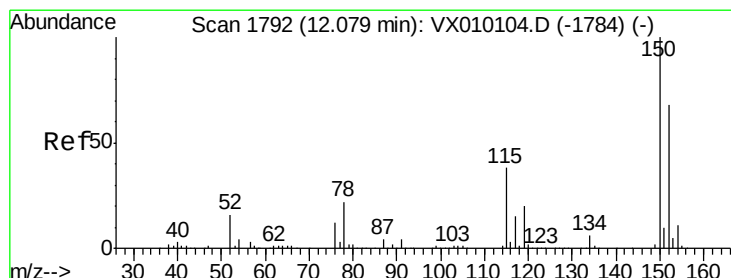
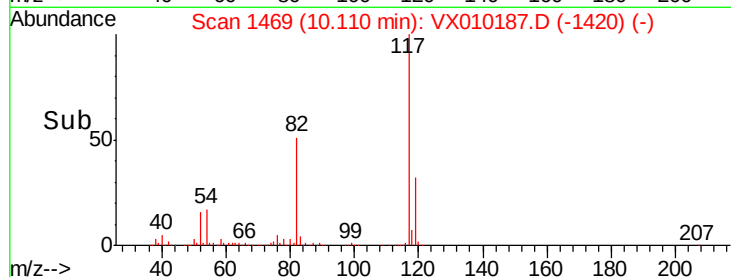
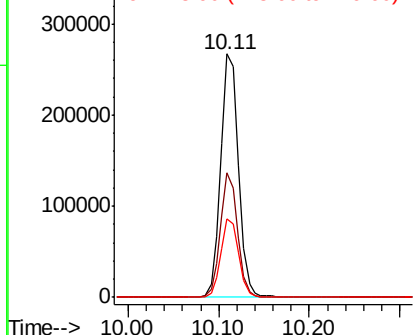
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010187.D  
Acq: 10 Jun 2019 18:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TB05-20190608

Tot Ion:117 Resp: 367277  
Ion Ratio Lower Upper  
117 100  
82 51.1 49.2 73.8  
119 32.5 25.2 37.8

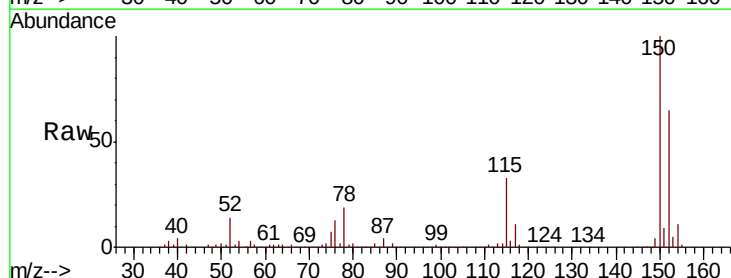


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

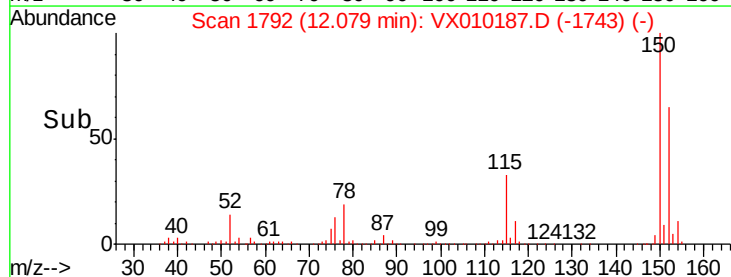
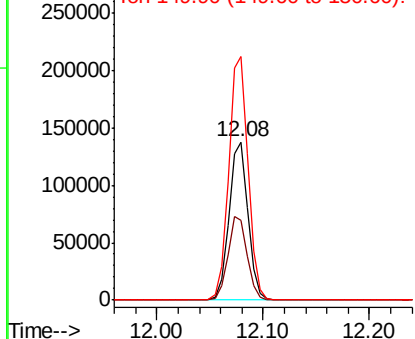


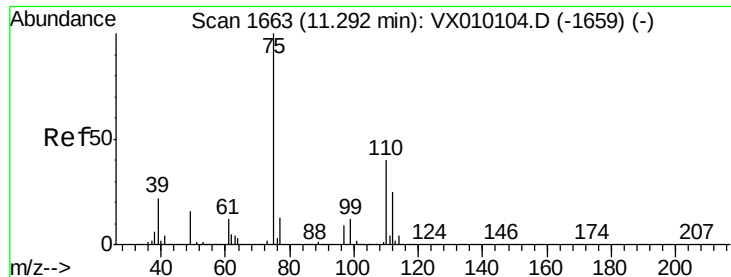
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX010187.D  
Acq: 10 Jun 2019 18:53

Tgt Ion:152 Resp: 171317  
Ion Ratio Lower Upper  
152 100  
115 53.8 41.4 124.2  
150 157.4 0.0 345.2



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

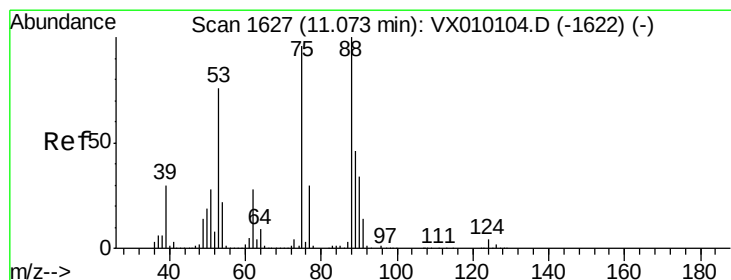
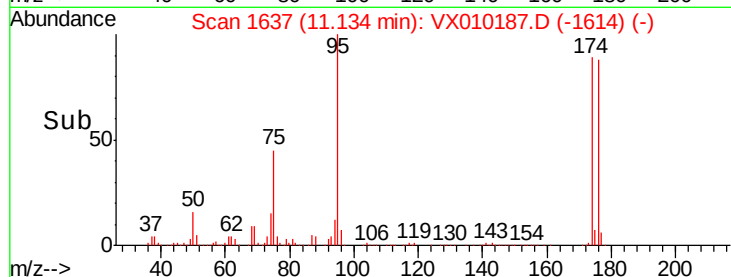
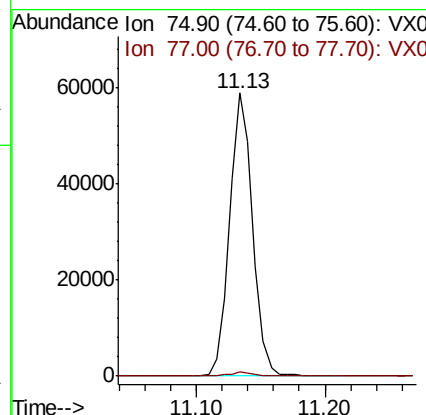
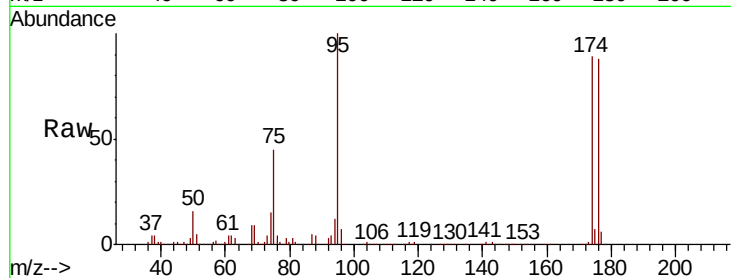




#76  
 1,2,3-Trichloropropane  
 Concen: 21.637 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. -0.16 min  
 Lab File: VX010187.D  
 Acq: 10 Jun 2019 18:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TB05-20190608

Tot Ion: 75 Resp: 74142  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 22.1 66.1#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 47.805 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.06 min  
 Lab File: VX010187.D  
 Acq: 10 Jun 2019 18:53

Tgt Ion: 75 Resp: 74142  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 79.8 119.6#  
 89 0.0 34.2 51.4#

