

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080619\  
 Data File : VW011720.D  
 Acq On : 05 Aug 2019 19:58  
 Operator : SY/VA  
 Sample : K4154-04  
 Misc : 5.29G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PS-4

Quant Time: Aug 06 09:05:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

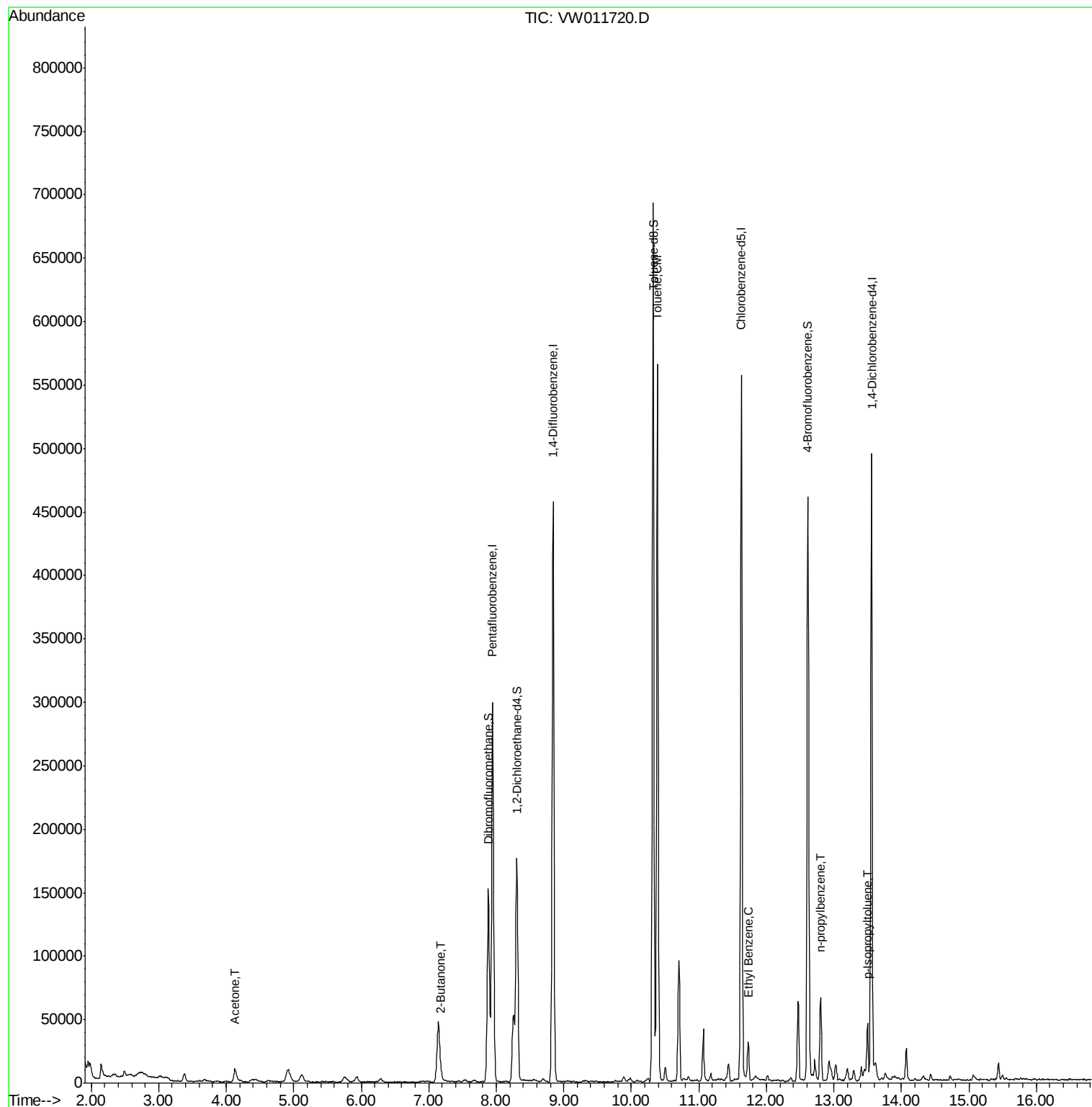
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 210950   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 351357   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 292546   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 121037   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 137144   | 56.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.24% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 108409   | 55.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.00% |          |
| 50) Toluene-d8              | 10.32 | 98   | 432531   | 53.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.18% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 139432   | 48.46  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.92%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 19377    | 25.148 | ug/l    | 93       |
| 25) 2-Butanone              | 7.18  | 43   | 10234    | 10.150 | ug/l    | 96       |
| 52) Toluene                 | 10.39 | 92   | 232160   | 37.566 | ug/l    | 99       |
| 67) Ethyl Benzene           | 11.73 | 91   | 19645    | 1.754  | ug/l    | 99       |
| 78) n-propylbenzene         | 12.80 | 91   | 49237    | 4.481  | ug/l    | 100      |
| 86) p-Isopropyltoluene      | 13.50 | 119  | 21601    | 2.636  | ug/l    | 95       |

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

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MSVOA\_W  
ClientSampleId :  
PS-4

Quant Time: Aug 06 09:05:57 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011720.D

Acq: 05 Aug 2019 19:58

Instrument :

MSVOA\_W

ClientSampled :

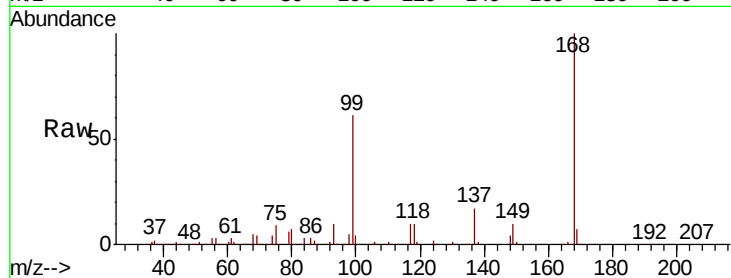
PS-4

Tot Ion:168 Resp: 210950

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

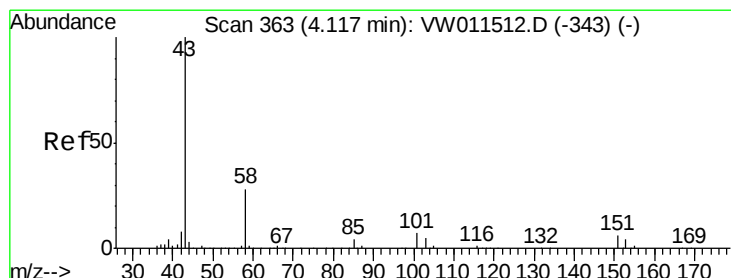
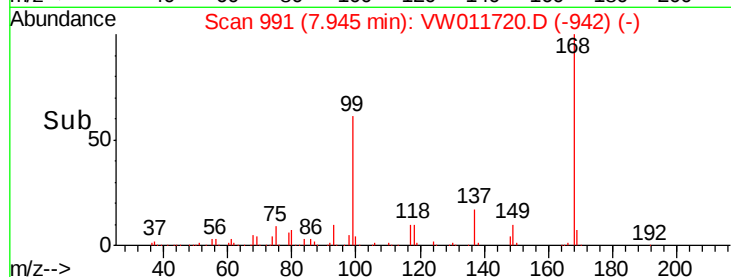
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 25.148 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011720.D

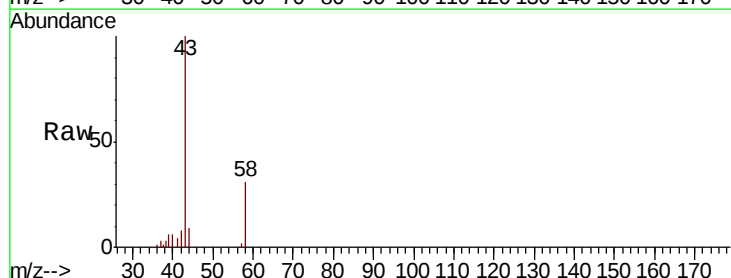
Acq: 05 Aug 2019 19:58

Tgt Ion: 43 Resp: 19377

Ion Ratio Lower Upper

43 100

58 31.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

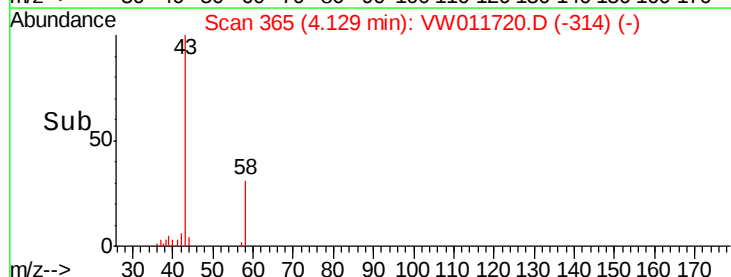
6000

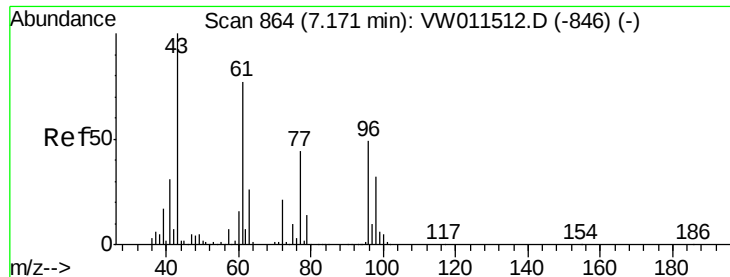
4000

2000

0

Time--> 4.00 4.10 4.20 4.30





#25

2-Butanone

Concen: 10.150 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011720.D

Acq: 05 Aug 2019 19:58

Instrument :

MSVOA\_W

ClientSampled :

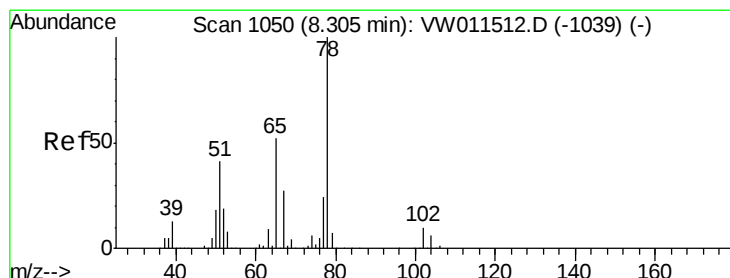
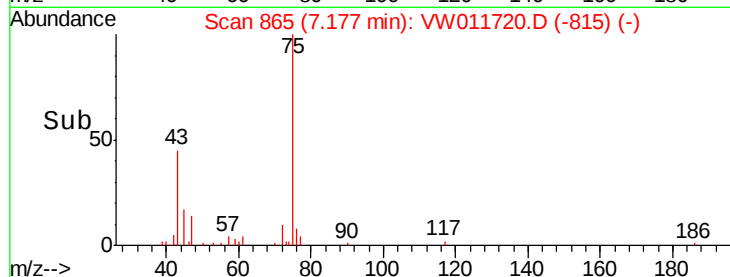
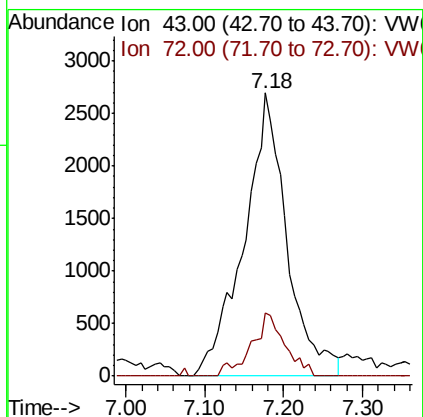
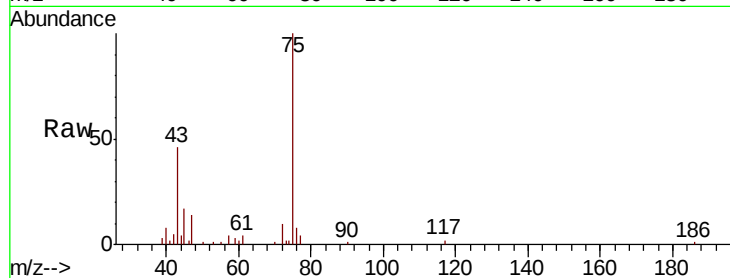
PS-4

Tot Ion: 43 Resp: 10234

Ion Ratio Lower Upper

43 100

72 22.4 16.6 24.8



#33

1,2-Dichloroethane-d4

Concen: 56.617 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011720.D

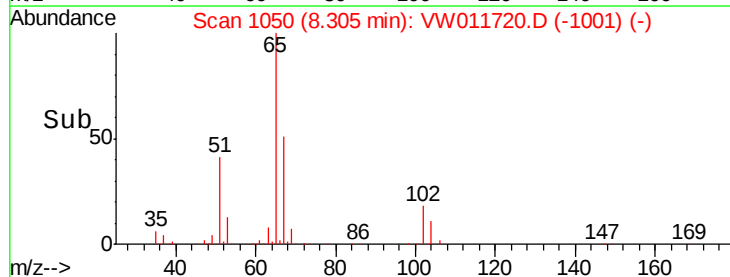
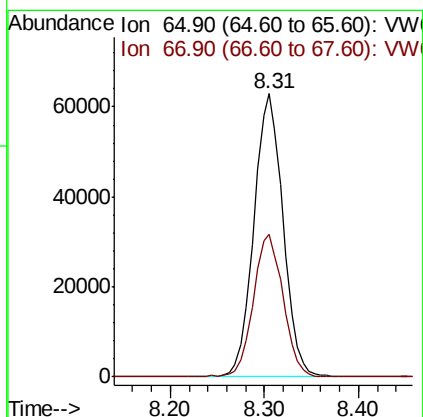
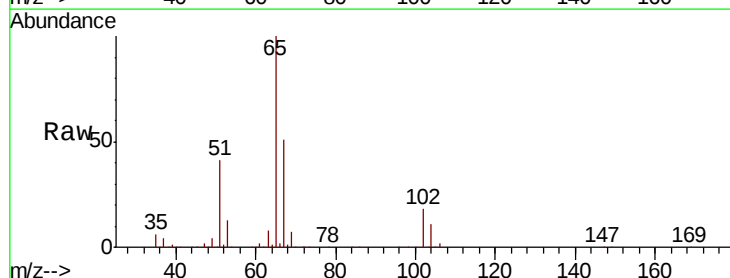
Acq: 05 Aug 2019 19:58

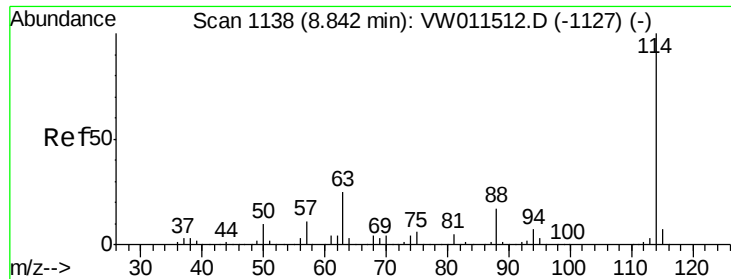
Tgt Ion: 65 Resp: 137144

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.2

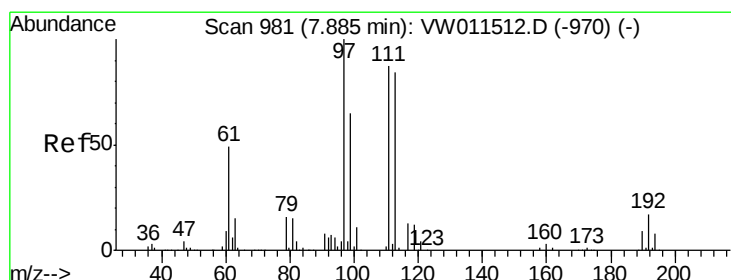
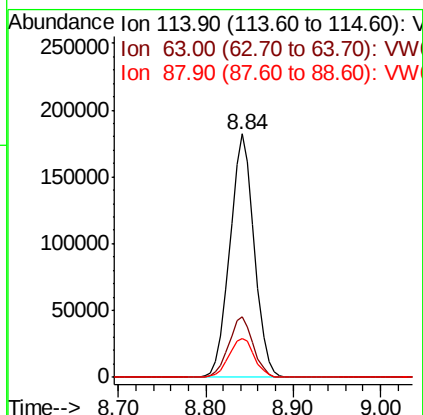
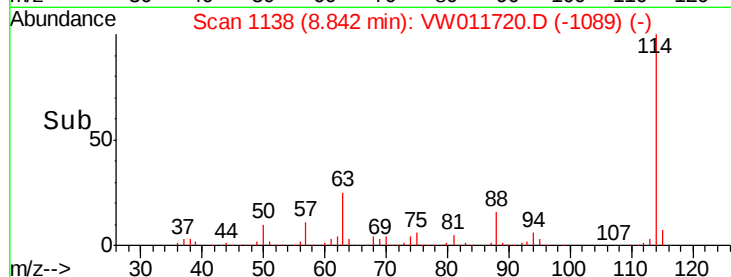
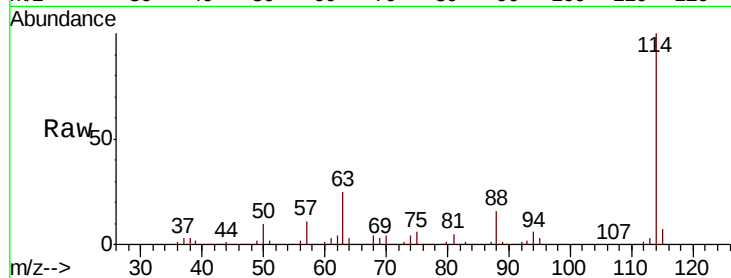




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011720.D  
 Acq: 05 Aug 2019 19:58

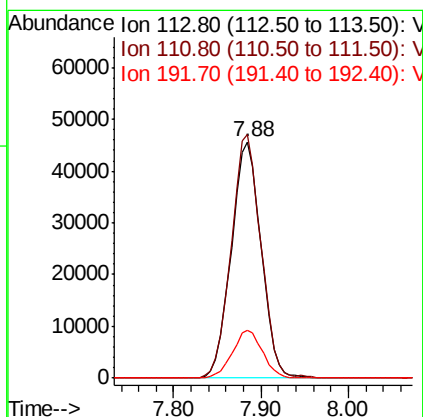
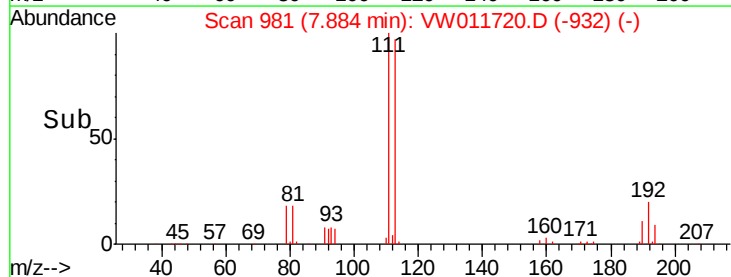
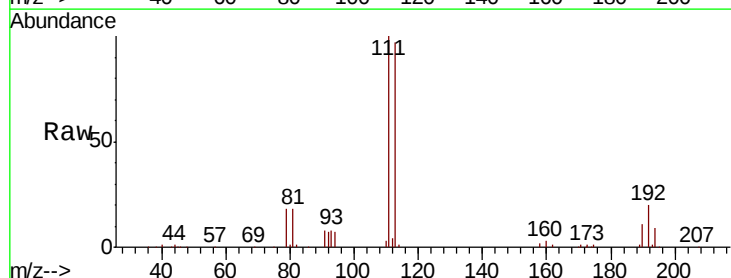
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PS-4

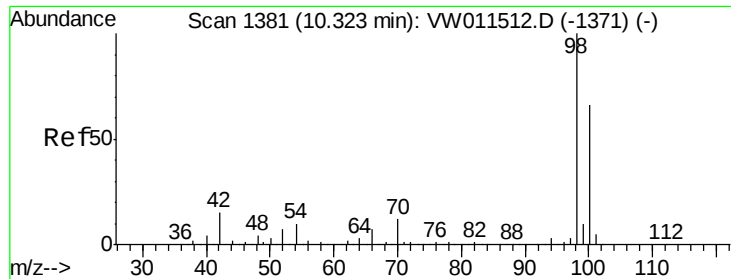
|             |       |        |
|-------------|-------|--------|
| Tot Ion:114 | Resp: | 351357 |
| Ion Ratio   | Lower | Upper  |
| 114 100     |       |        |
| 63 24.8     | 0.0   | 49.2   |
| 88 16.1     | 0.0   | 33.8   |



#35  
 Dibromofluoromethane  
 Concen: 54.997 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW011720.D  
 Acq: 05 Aug 2019 19:58

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:113 | Resp: | 108409 |
| Ion Ratio   | Lower | Upper  |
| 113 100     |       |        |
| 111 102.3   | 82.7  | 124.1  |
| 192 20.4    | 16.1  | 24.1   |

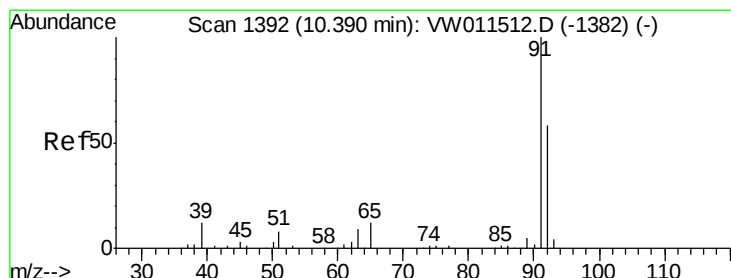
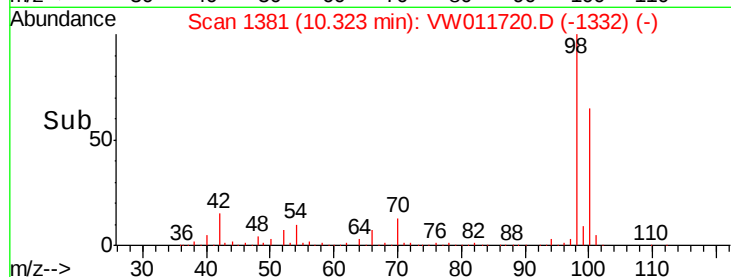
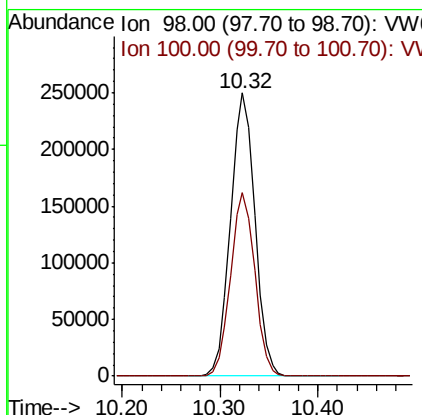
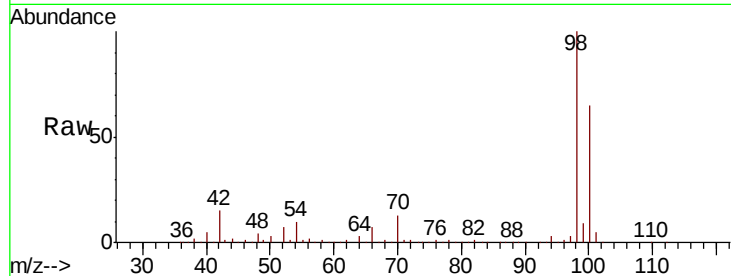




#50  
Toluene-d8  
Concen: 53.594 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011720.D  
Acq: 05 Aug 2019 19:58

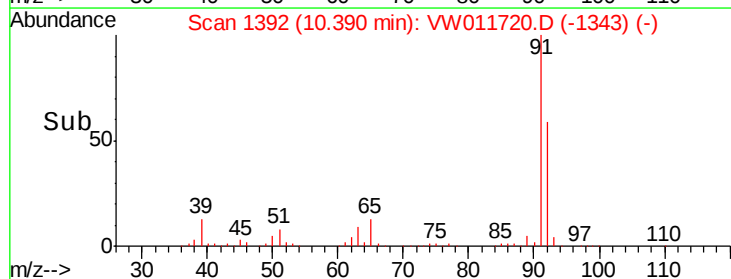
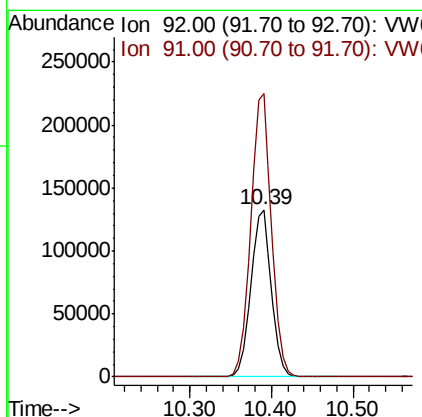
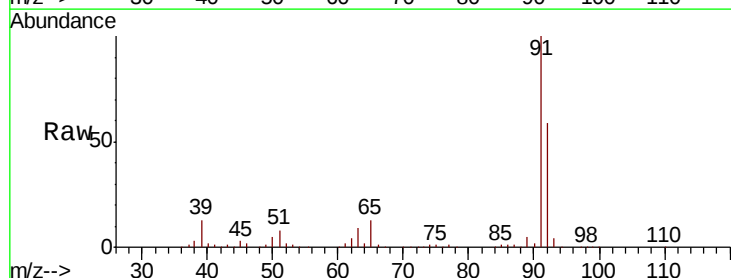
Instrument :  
MSVOA\_W  
ClientSampled :  
PS-4

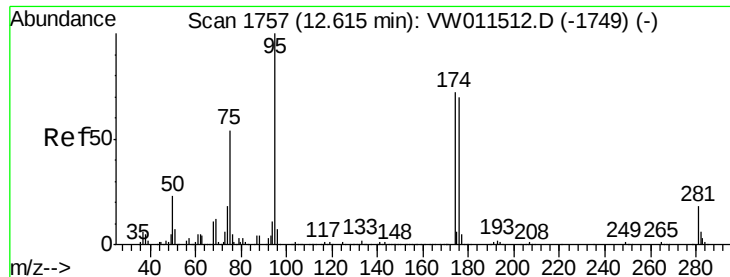
Tot Ion: 98 Resp: 432531  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.7 79.1



#52  
Toluene  
Concen: 37.566 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. -0.00 min  
Lab File: VW011720.D  
Acq: 05 Aug 2019 19:58

Tgt Ion: 92 Resp: 232160  
Ion Ratio Lower Upper  
92 100  
91 171.7 136.7 205.1

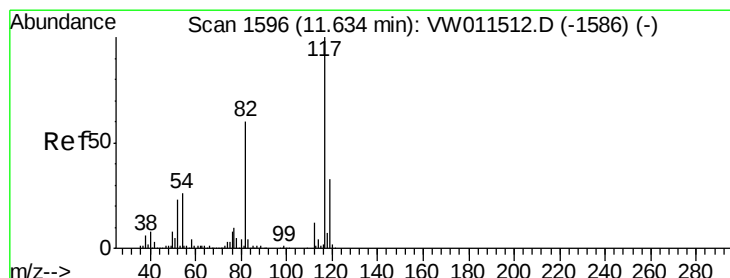
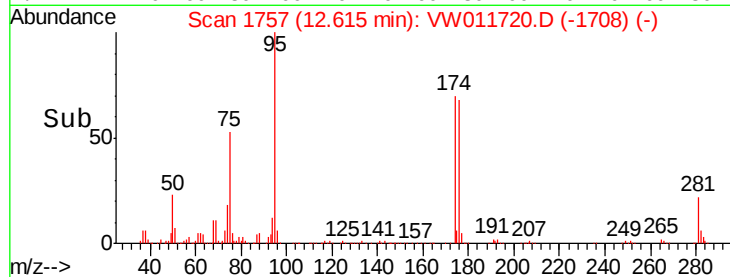
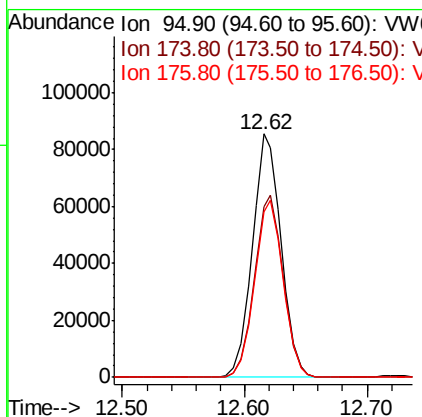
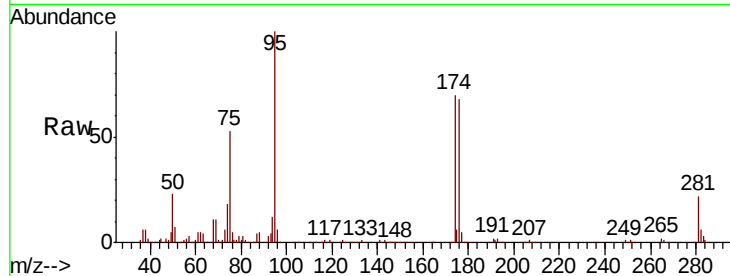




#62  
4-Bromofluorobenzene  
Concen: 48.459 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW011720.D  
Acq: 05 Aug 2019 19:58

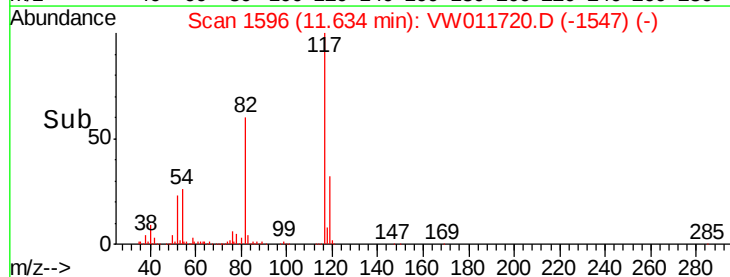
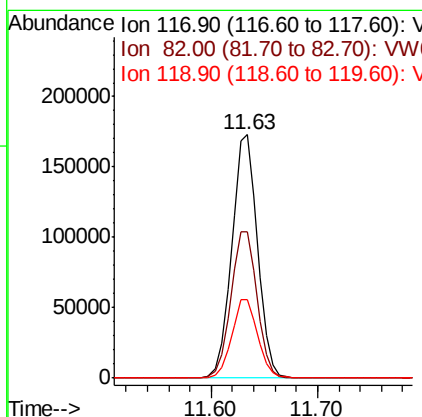
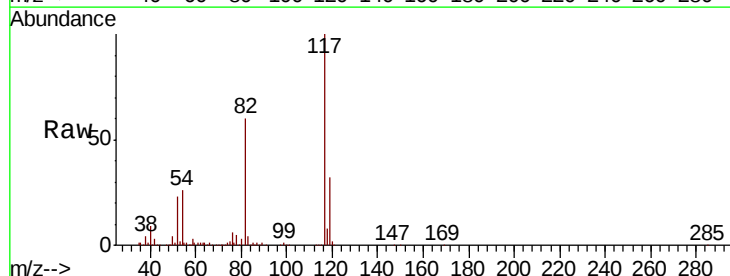
Instrument :  
MSVOA\_W  
ClientSampled :  
PS-4

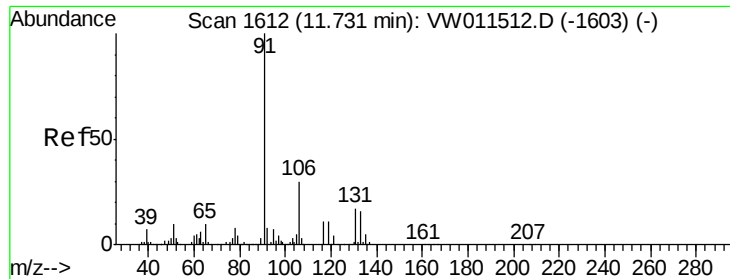
Tot Ion: 95 Resp: 139432  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 150.2  
176 72.8 0.0 144.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011720.D  
Acq: 05 Aug 2019 19:58

Tgt Ion: 117 Resp: 292546  
Ion Ratio Lower Upper  
117 100  
82 60.2 47.9 71.9  
119 32.3 26.2 39.2





#67

Ethyl Benzene

Concen: 1.754 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011720.D

Acq: 05 Aug 2019 19:58

Instrument :

MSVOA\_W

ClientSampled :

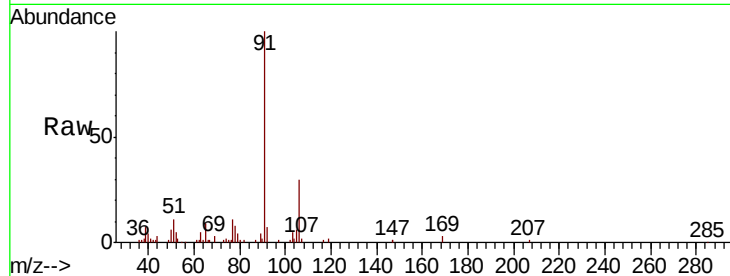
PS-4

Tot Ion: 91 Resp: 19645

Ion Ratio Lower Upper

91 100

106 30.5 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

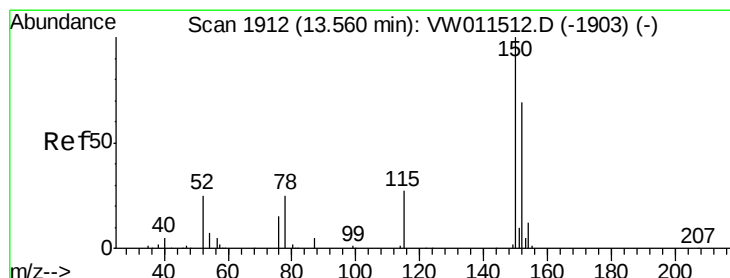
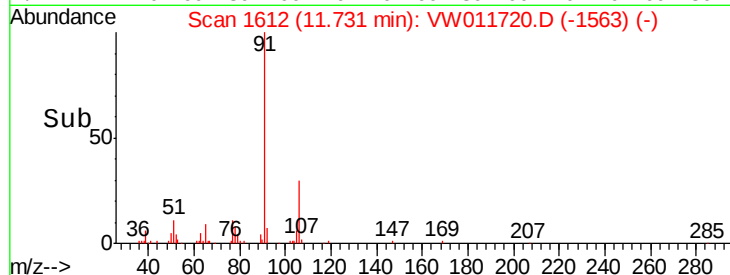
11.73

10000

5000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011720.D

Acq: 05 Aug 2019 19:58

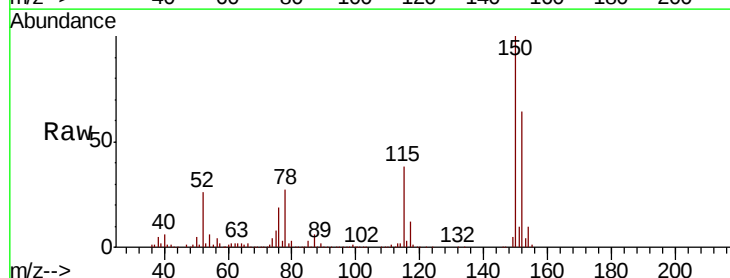
Tgt Ion: 152 Resp: 121037

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

150 156.8 0.0 352.6



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

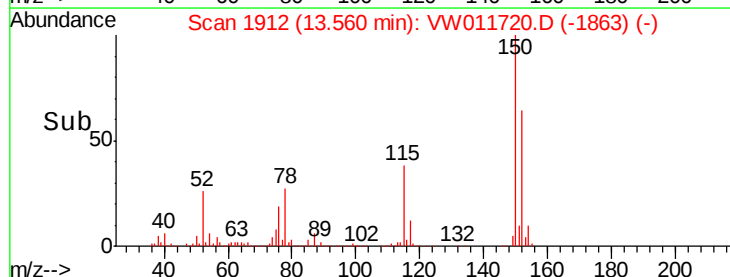
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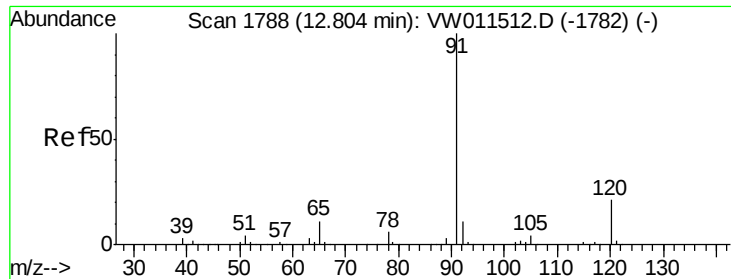
100000

50000

0

Time-->





#78

n-propylbenzene

Concen: 4.481 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011720.D

Acq: 05 Aug 2019 19:58

Instrument :

MSVOA\_W

ClientSampleId :

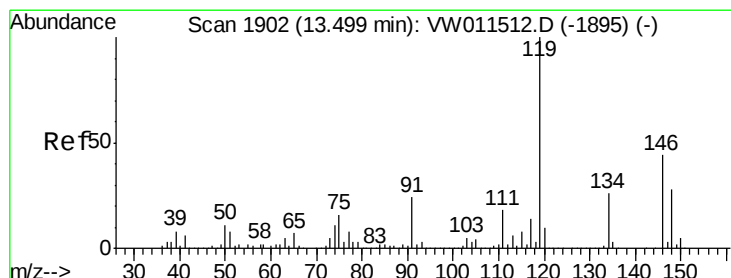
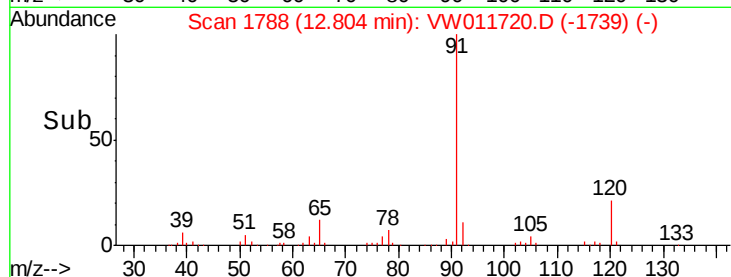
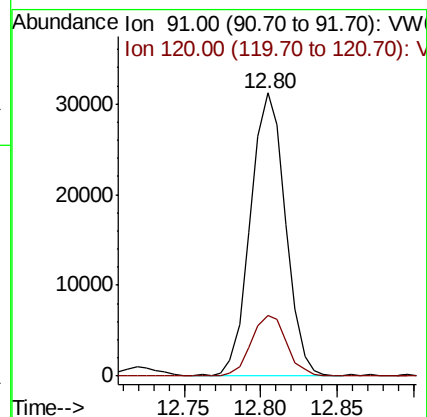
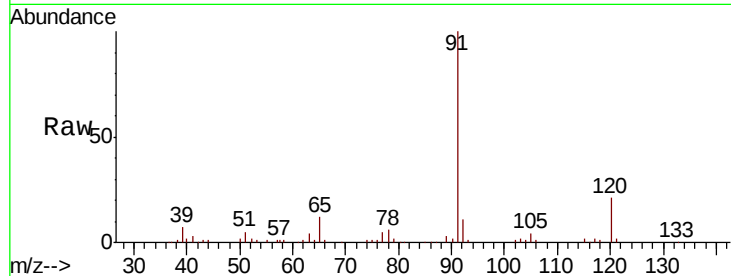
PS-4

Tot Ion: 91 Resp: 49237

Ion Ratio Lower Upper

91 100

120 21.8 10.9 32.7



#86

p-Isopropyltoluene

Concen: 2.636 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011720.D

Acq: 05 Aug 2019 19:58

Tgt Ion: 119 Resp: 21601

Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.4

91 28.7 12.1 36.3

