

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080619\  
 Data File : VW011726.D  
 Acq On : 05 Aug 2019 22:32  
 Operator : SY/VA  
 Sample : K4154-10  
 Misc : 4.39G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PS-10

Quant Time: Aug 06 08:49:21 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

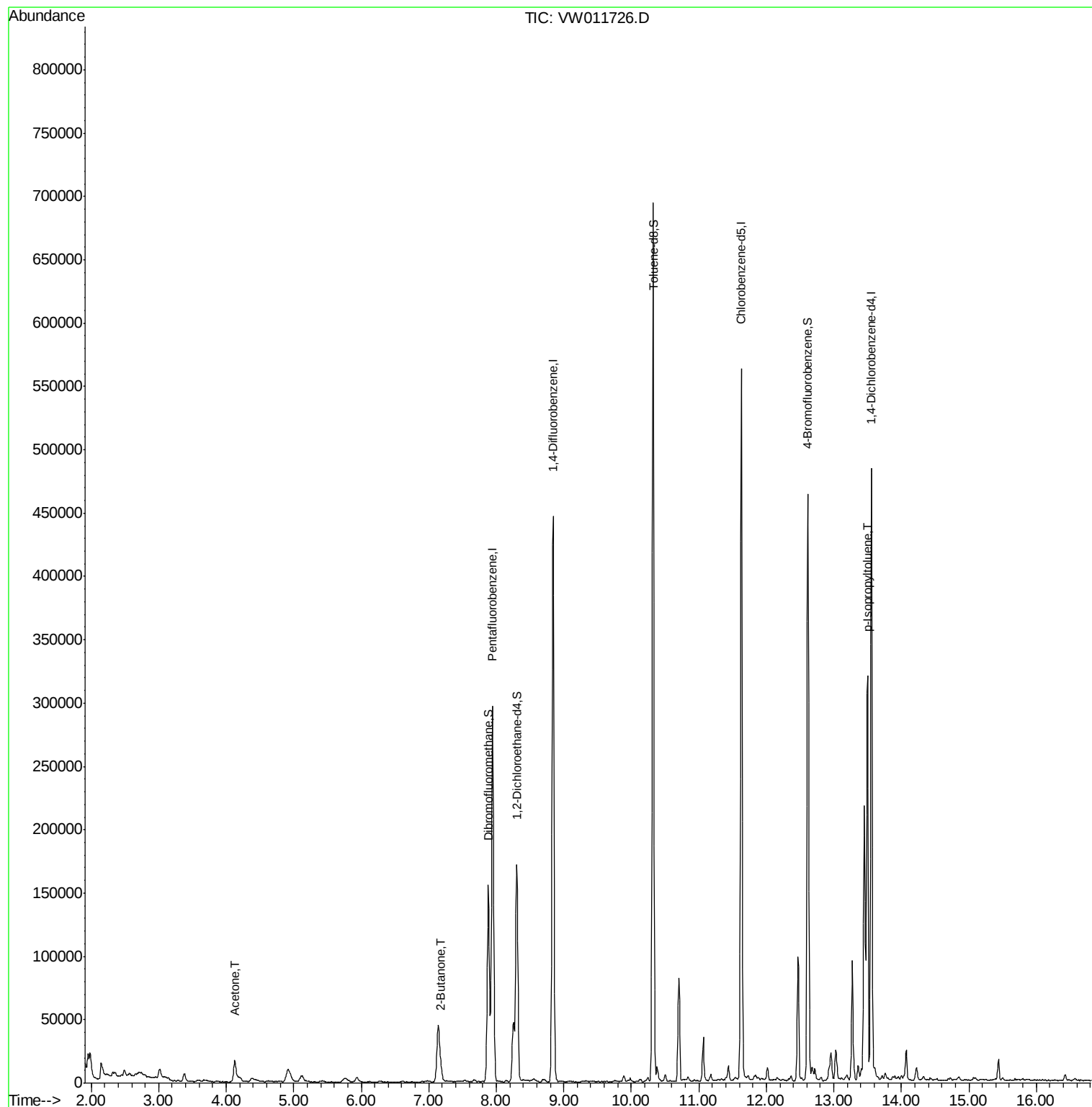
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 211833   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 353712   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 293629   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 120862   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 136809   | 56.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.48% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 110914   | 55.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.78% |          |
| 50) Toluene-d8              | 10.32 | 98   | 434687   | 53.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.00% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 139726   | 48.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.48%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 32381    | 41.849 | ug/l    | 95       |
| 25) 2-Butanone              | 7.18  | 43   | 16950    | 16.741 | ug/l    | 100      |
| 86) p-Isopropyltoluene      | 13.50 | 119  | 172788   | 21.116 | ug/l    | 95       |

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

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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: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA\_W

ClientSampleId :

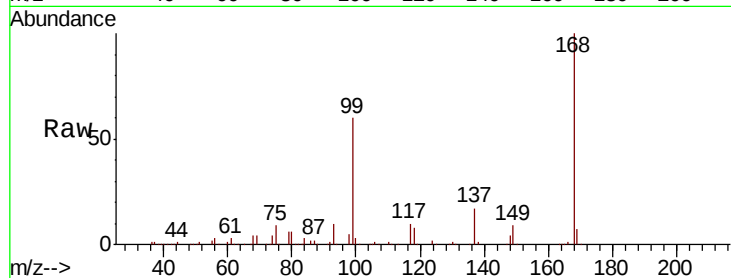
PS-10

Tot Ion:168 Resp: 211833

Ion Ratio Lower Upper

168 100

99 60.3 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

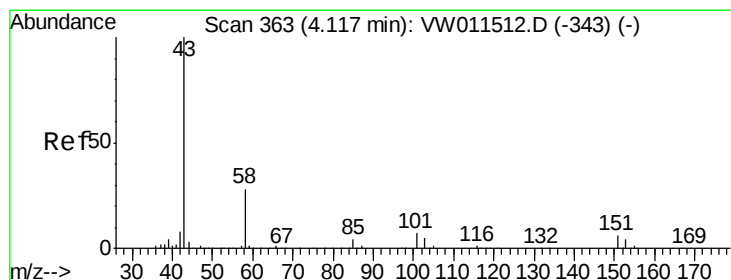
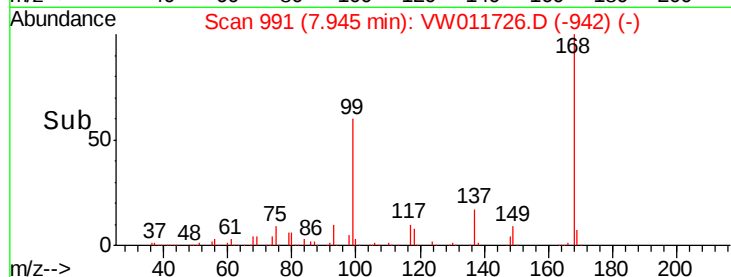
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 41.849 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011726.D

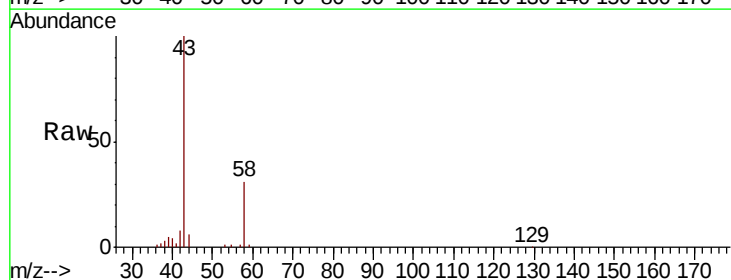
Acq: 05 Aug 2019 22:32

Tgt Ion: 43 Resp: 32381

Ion Ratio Lower Upper

43 100

58 30.5 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

12000

10000

8000

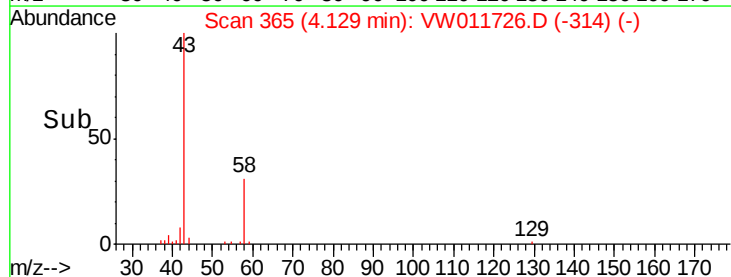
6000

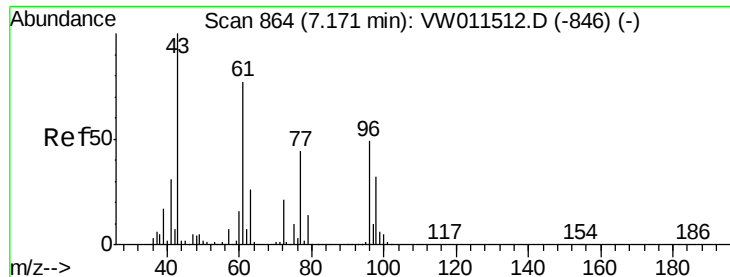
4000

2000

0

Time-->





#25

2-Butanone

Concen: 16.741 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA\_W

ClientSampled :

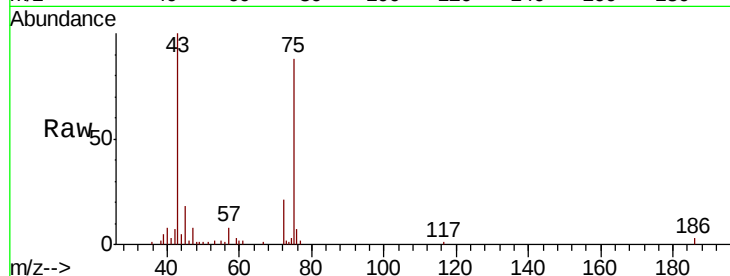
PS-10

Tot Ion: 43 Resp: 16950

Ion Ratio Lower Upper

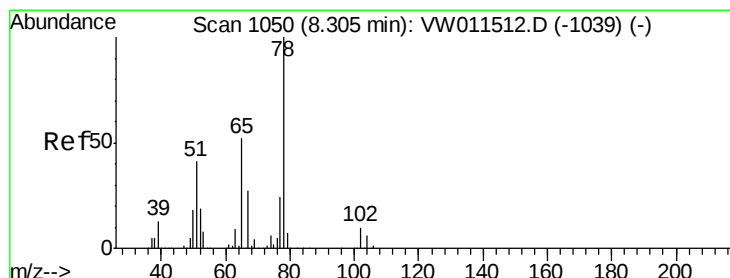
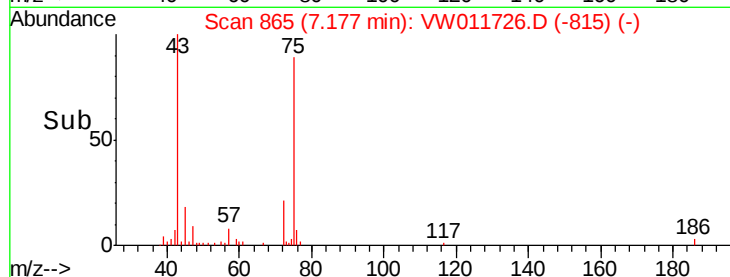
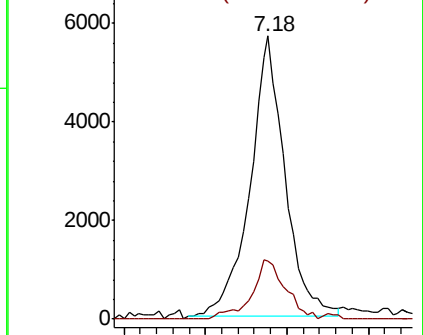
43 100

72 20.8 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 56.244 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011726.D

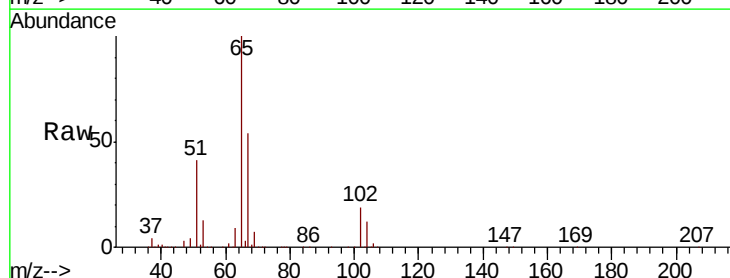
Acq: 05 Aug 2019 22:32

Tgt Ion: 65 Resp: 136809

Ion Ratio Lower Upper

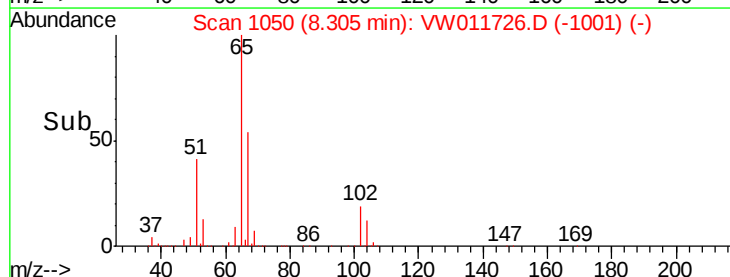
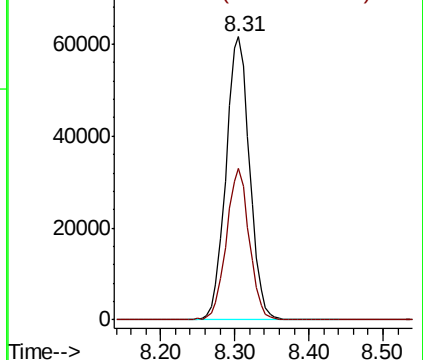
65 100

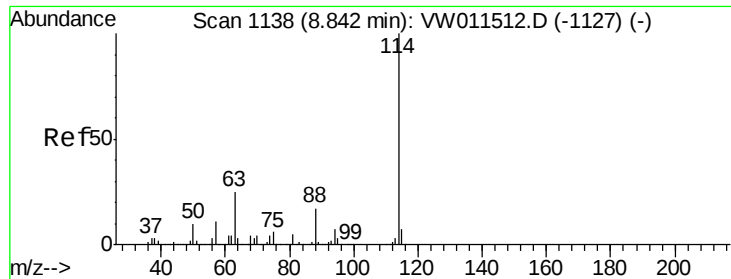
67 51.9 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

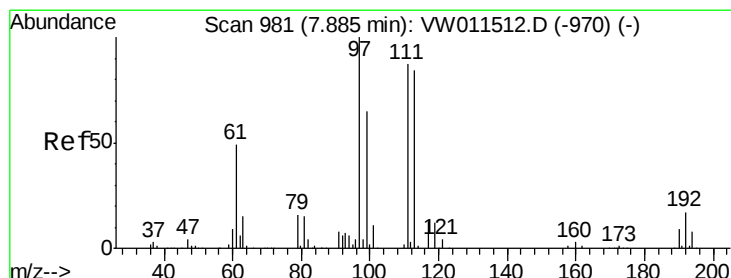
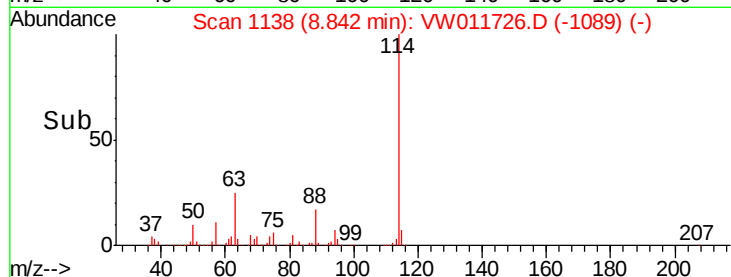
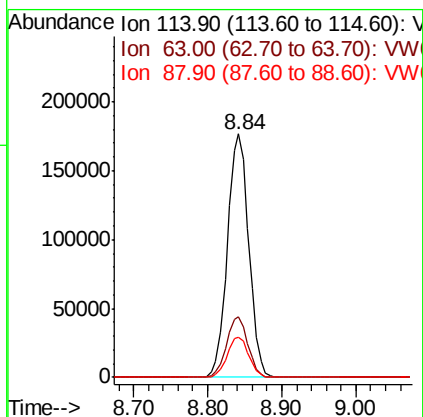
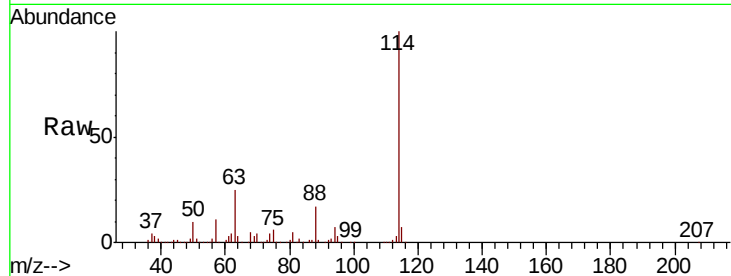




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011726.D  
 Acq: 05 Aug 2019 22:32

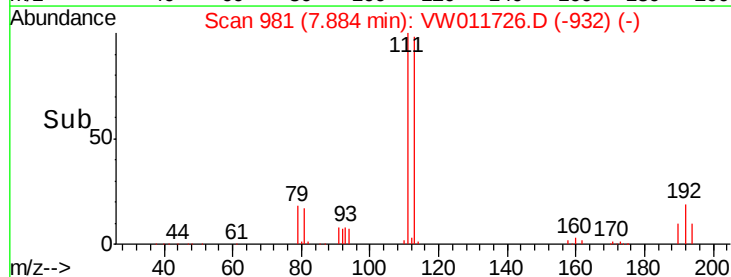
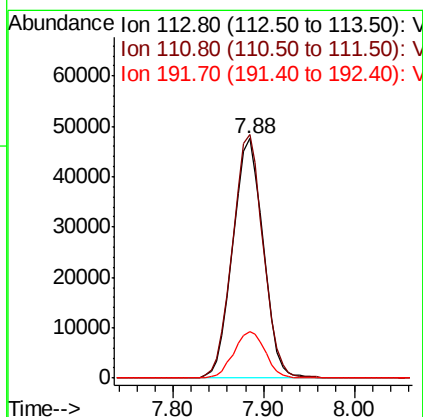
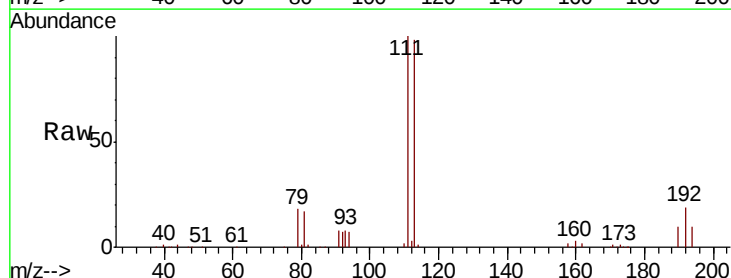
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PS-10

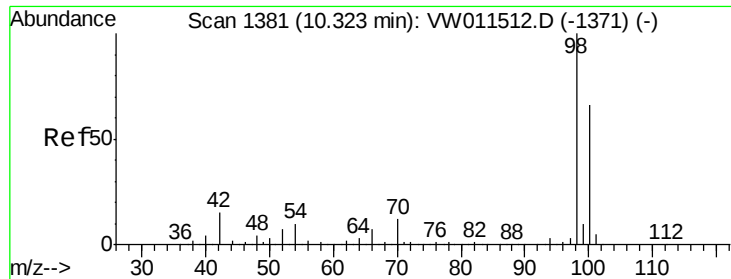
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.9  | 0.0   | 49.2  |
| 88      | 16.7  | 0.0   | 33.8  |



#35  
 Dibromofluoromethane  
 Concen: 55.893 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW011726.D  
 Acq: 05 Aug 2019 22:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 82.7  | 124.1 |
| 192     | 19.9  | 16.1  | 24.1  |

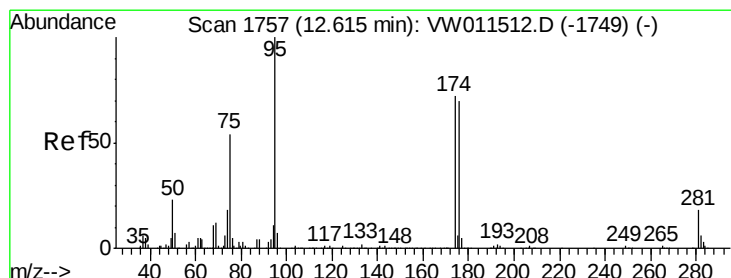
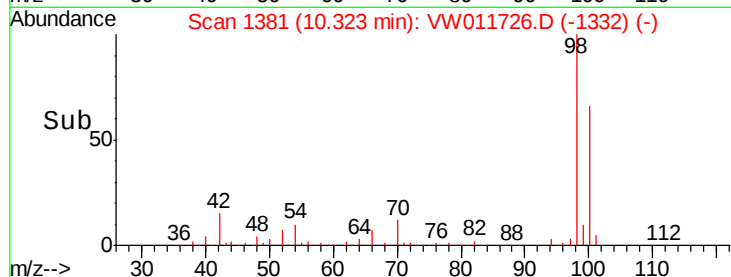
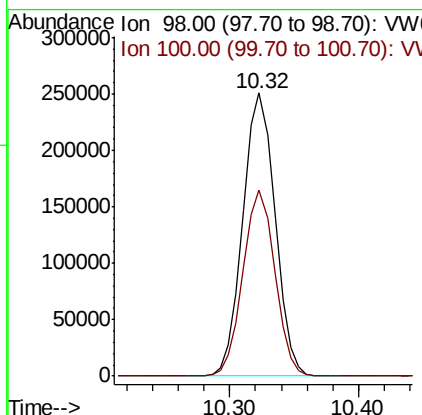
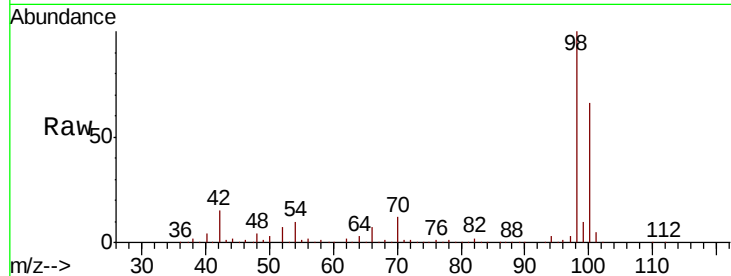




#50  
Toluene-d8  
Concen: 53.502 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011726.D  
Acq: 05 Aug 2019 22:32

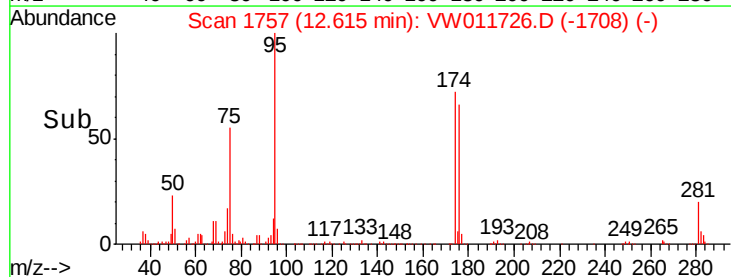
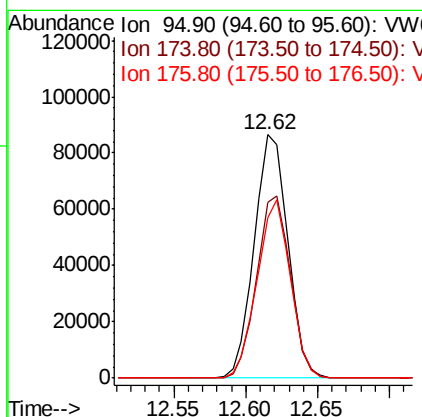
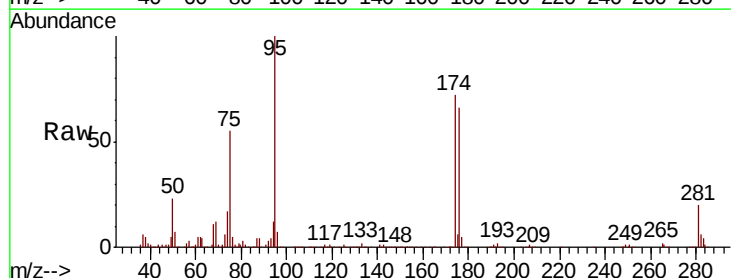
Instrument :  
MSVOA\_W  
ClientSampled :  
PS-10

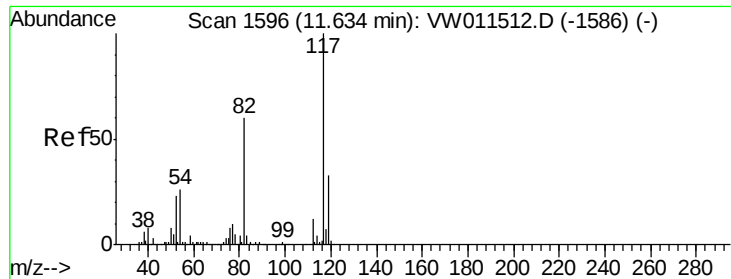
Tot Ion: 98 Resp: 434687  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 48.238 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW011726.D  
Acq: 05 Aug 2019 22:32

Tgt Ion: 95 Resp: 139726  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 150.2  
176 72.5 0.0 144.4

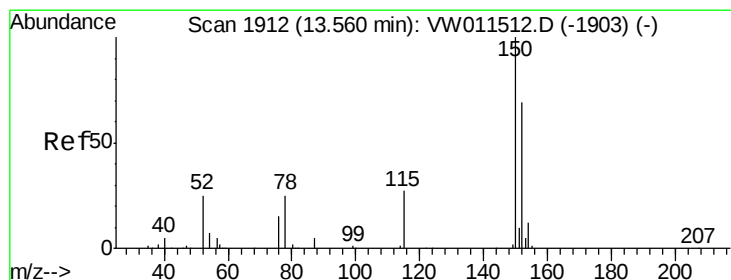
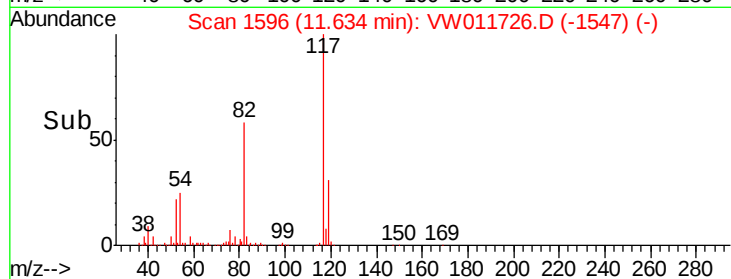
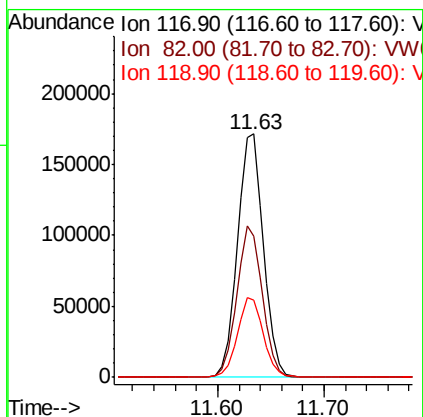
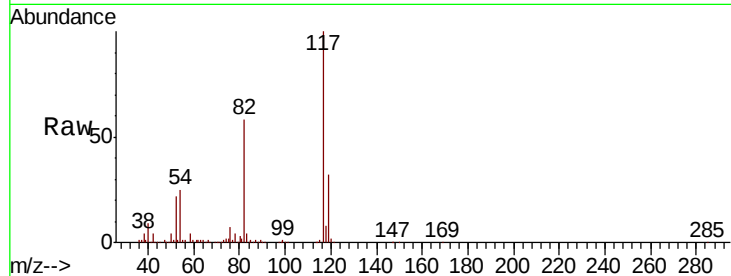




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011726.D  
Acq: 05 Aug 2019 22:32

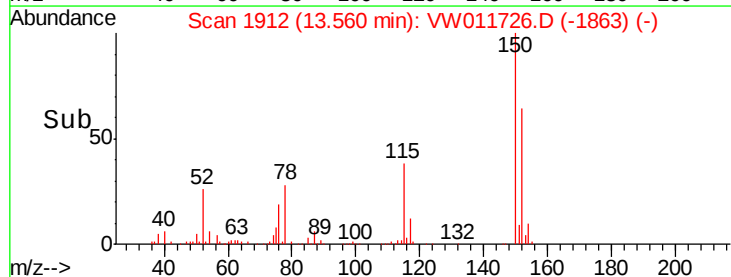
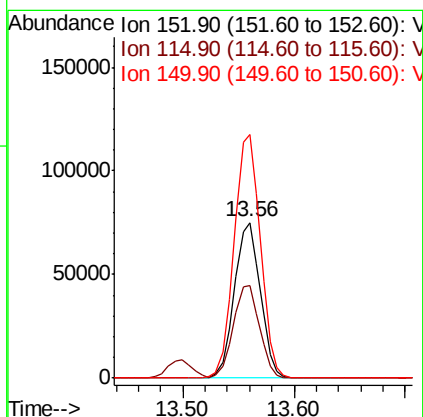
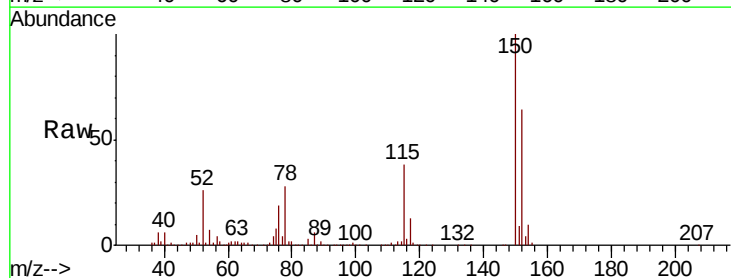
Instrument :  
MSVOA\_W  
ClientSampleId :  
PS-10

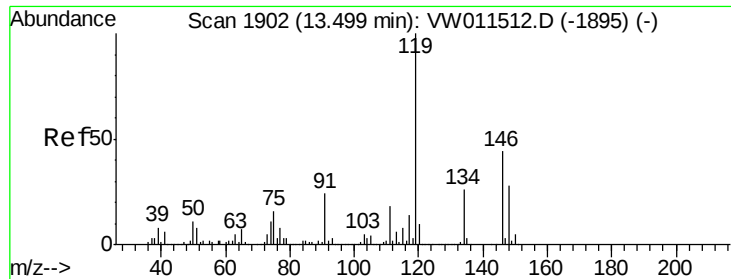
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.0  | 47.9  | 71.9  |
| 119     | 31.3  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW011726.D  
Acq: 05 Aug 2019 22:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.1  | 30.5  | 91.5  |
| 150     | 158.2 | 0.0   | 352.6 |





#86

p-Isopropyltoluene

Concen: 21.116 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA\_W

ClientSampleId :

PS-10

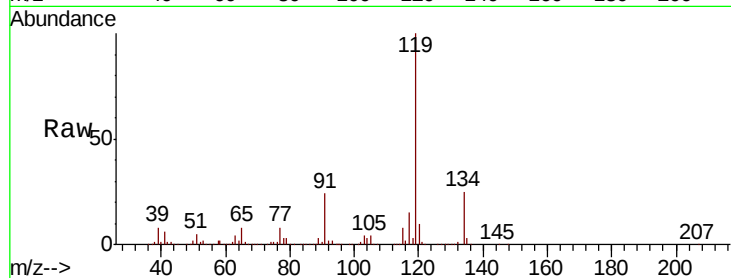
Tot Ion:119 Resp: 172788

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 29.7 12.1 36.3



Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

