

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\  
 Data File : VW008910.D  
 Acq On : 01 Mar 2019 03:09  
 Operator : SY/VA  
 Sample : K1665-01  
 Misc : 5.62G/5ML/MSVOA W/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 200051

Quant Time: Mar 01 07:09:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 22 00:38:32 2019  
 Response via : Initial Calibration

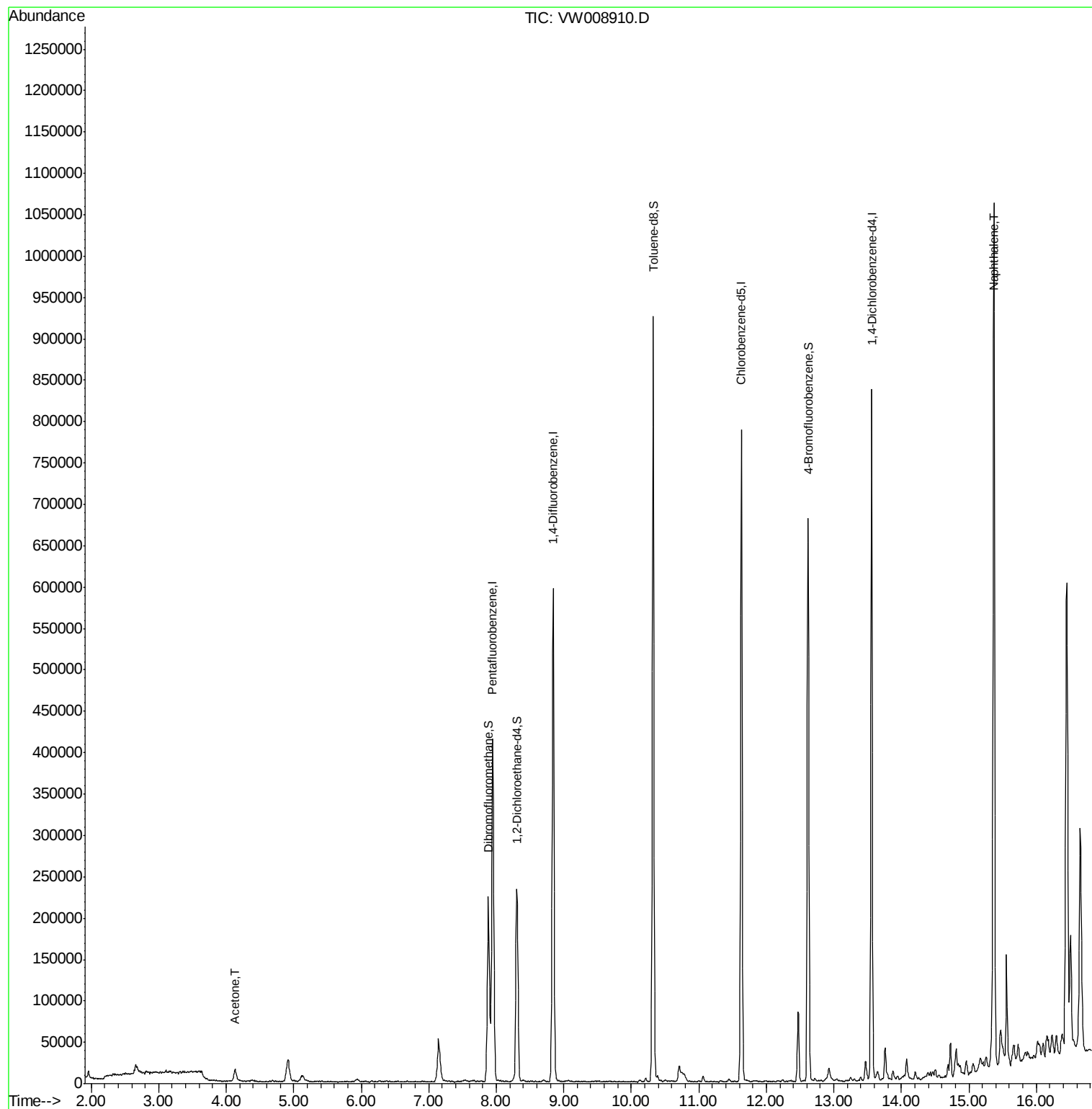
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 311794   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 487489   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 431613   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 208863   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 181058   | 61.91   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 123.82% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 151999   | 51.93   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 103.86% |          |
| 50) Toluene-d8              | 10.32 | 98   | 579315   | 51.27   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 102.54% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 199669   | 45.13   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 90.26%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.14  | 43   | 25537    | 37.674  | ug/l    | 89       |
| 95) Naphthalene             | 15.37 | 128  | 856530   | 111.621 | ug/l    | 100      |

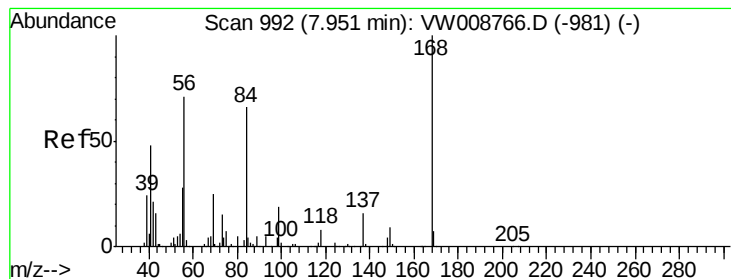
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Feb 22 00:38:32 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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Instrument :

MSVOA\_W

ClientSampleId :

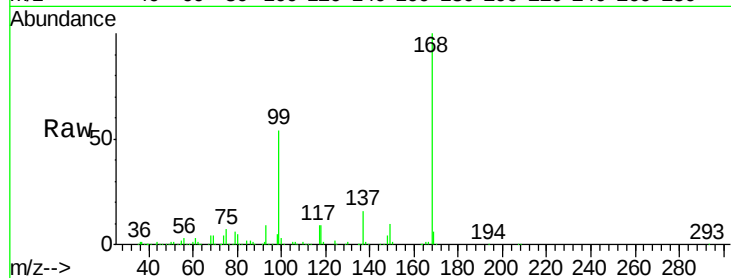
200051

Tot Ion:168 Resp: 311794

Ion Ratio Lower Upper

168 100

99 54.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

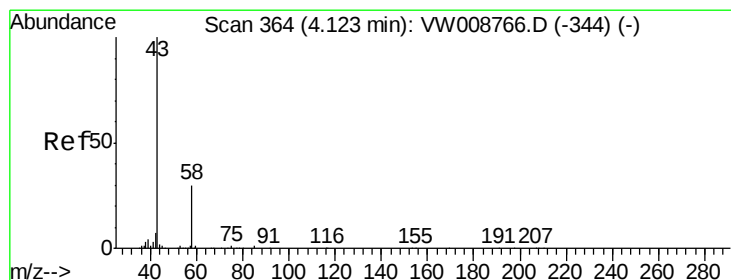
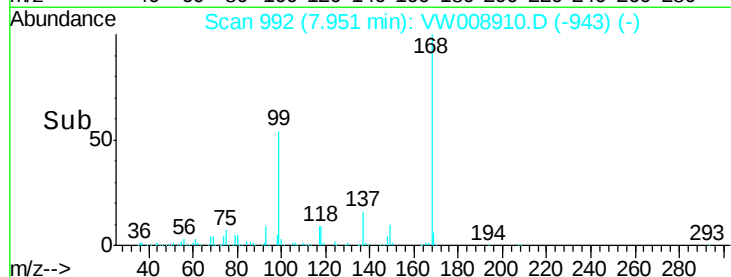
100000

50000

0

Time-->

7.90 8.00



#16

Acetone

Concen: 37.674 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008910.D

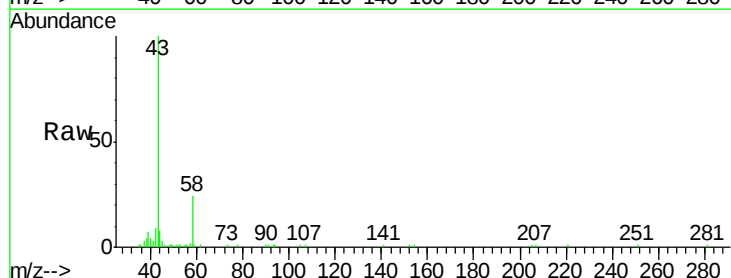
Acq: 01 Mar 2019 03:09

Tgt Ion: 43 Resp: 25537

Ion Ratio Lower Upper

43 100

58 23.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

10000

8000

6000

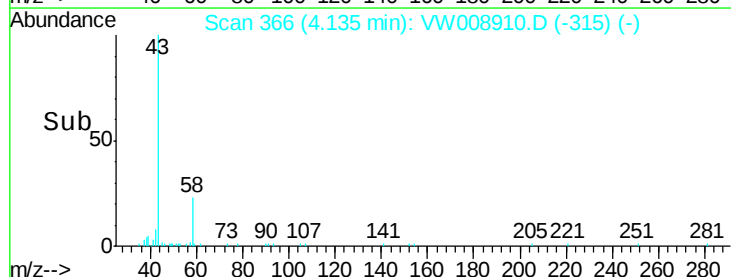
4000

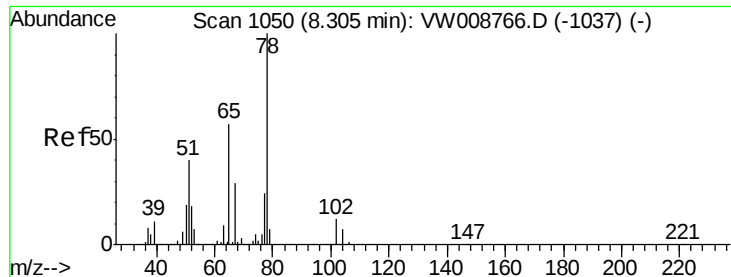
2000

0

Time-->

4.00 4.10 4.20





#33

1,2-Dichloroethane-d4

Concen: 61.914 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

Instrument :

MSVOA\_W

ClientSampleId :

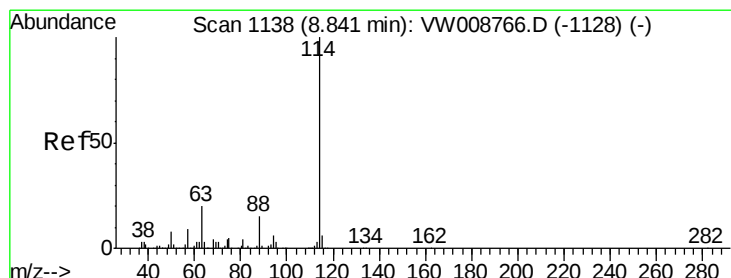
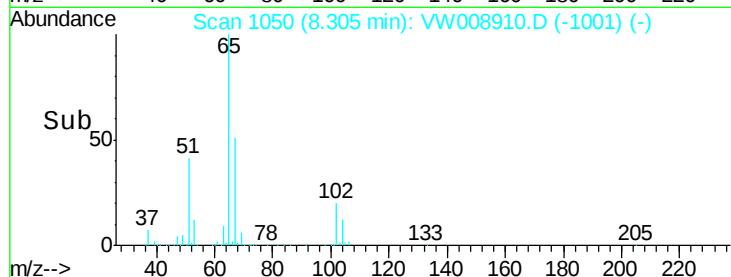
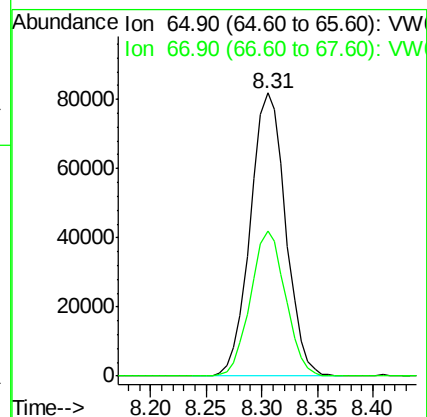
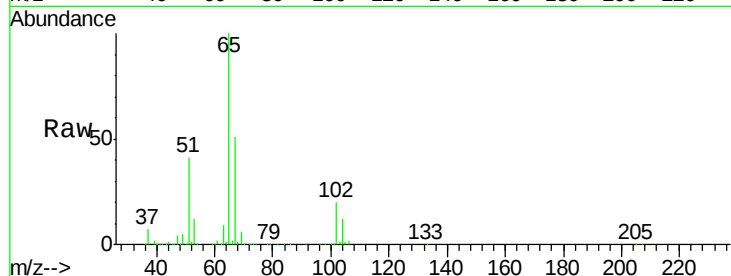
200051

Tot Ion: 65 Resp: 181058

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

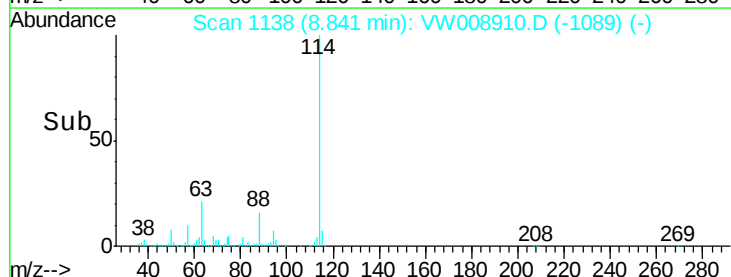
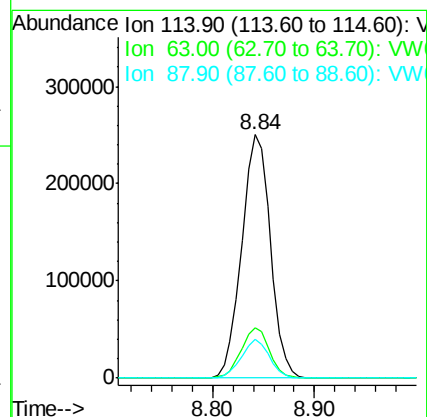
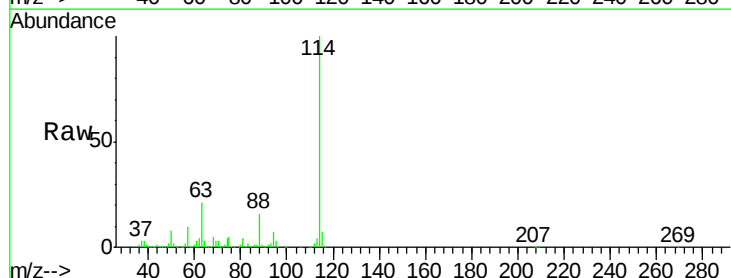
Tgt Ion: 114 Resp: 487489

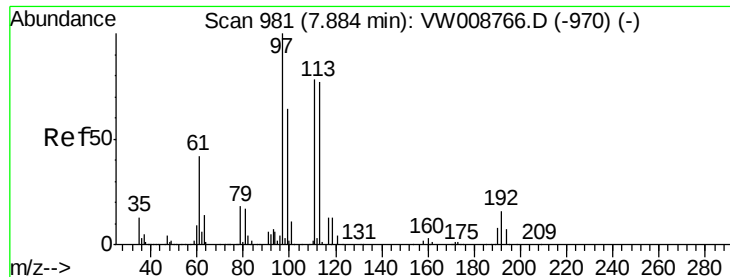
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.931 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008910.D

Acq: 01 Mar 2019 03:09

Instrument :

MSVOA\_W

ClientSampleId :

200051

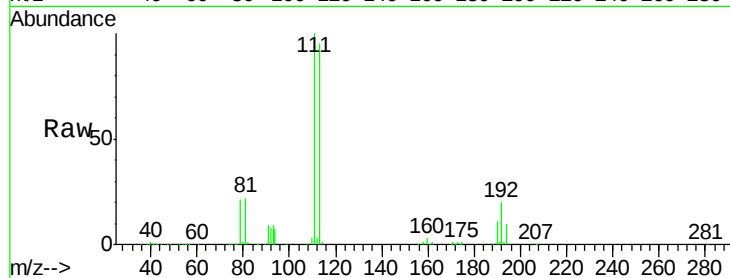
Tot Ion:113 Resp: 151999

Ion Ratio Lower Upper

113 100

111 104.6 81.9 122.9

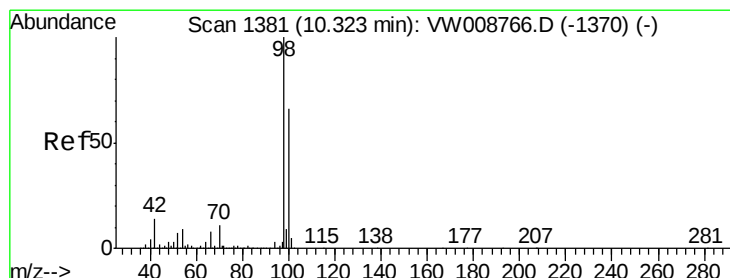
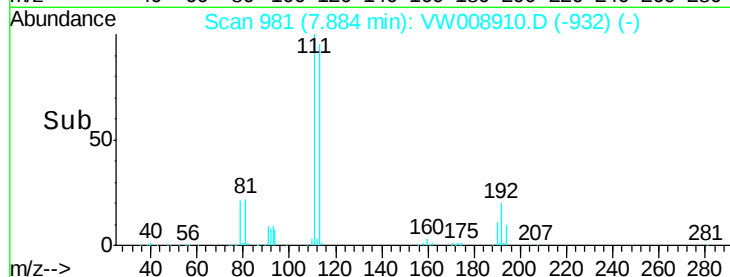
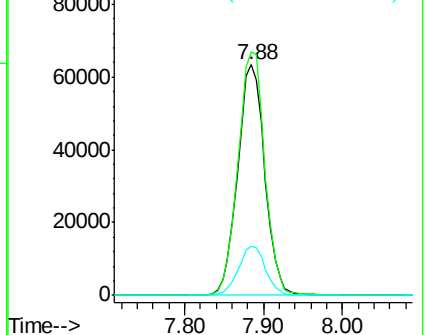
192 21.2 17.1 25.7



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



#50

Toluene-d8

Concen: 51.272 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008910.D

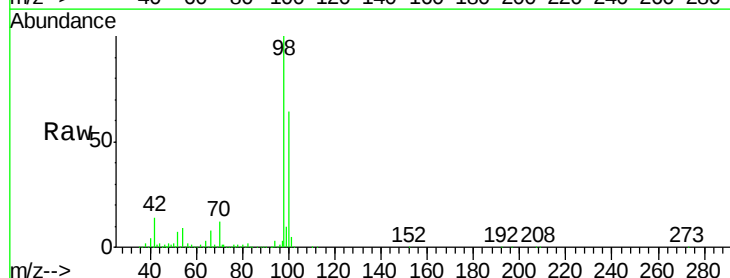
Acq: 01 Mar 2019 03:09

Tgt Ion: 98 Resp: 579315

Ion Ratio Lower Upper

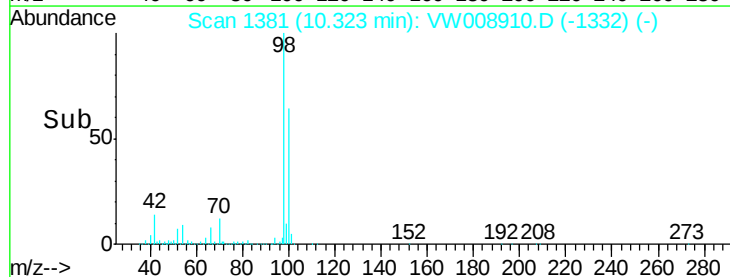
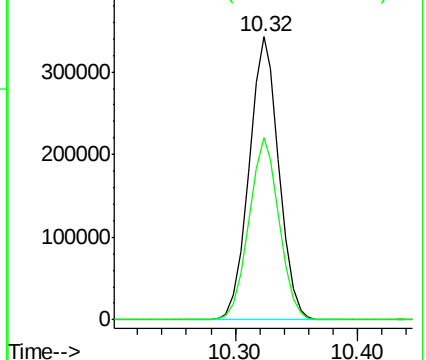
98 100

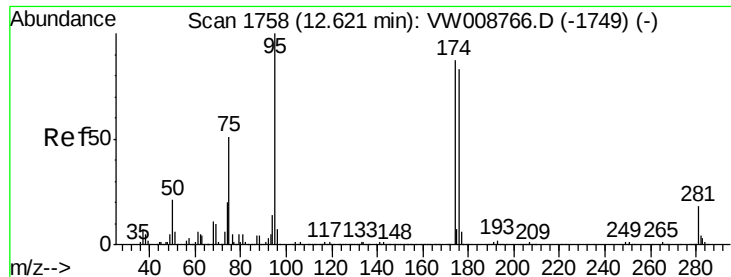
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

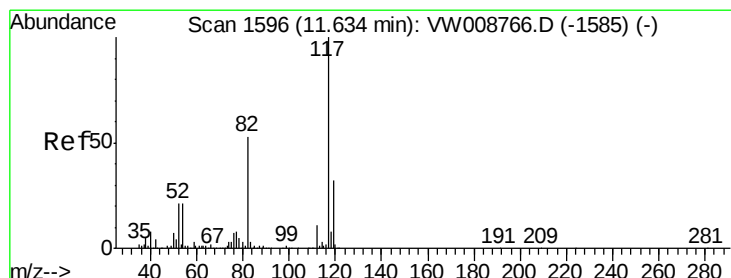
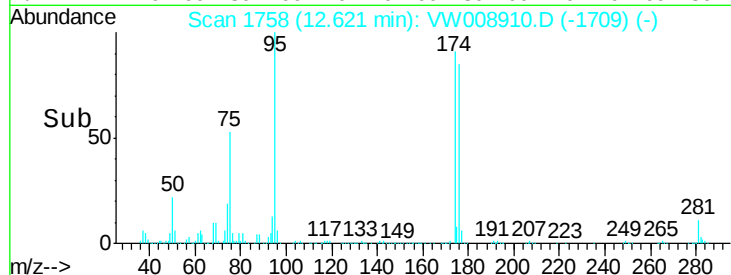
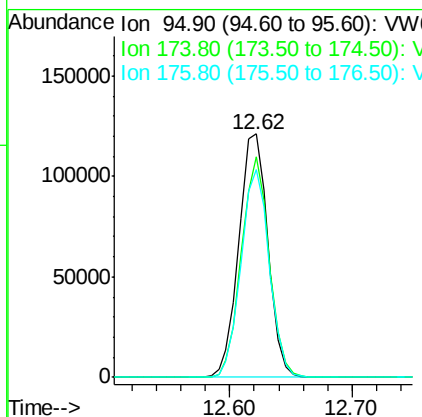
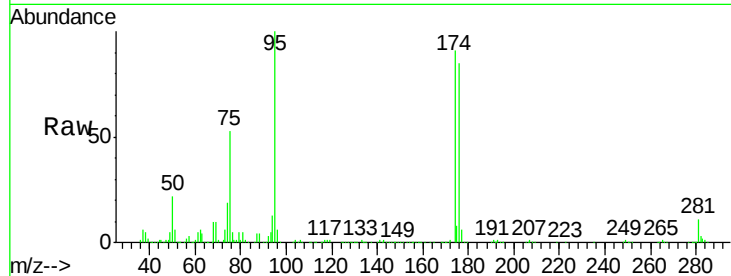




#62  
4-Bromofluorobenzene  
Concen: 45.133 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008910.D  
Acq: 01 Mar 2019 03:09

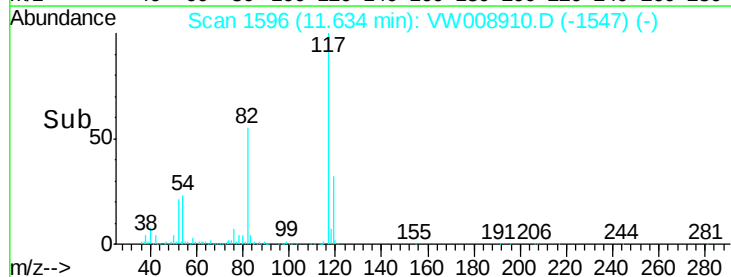
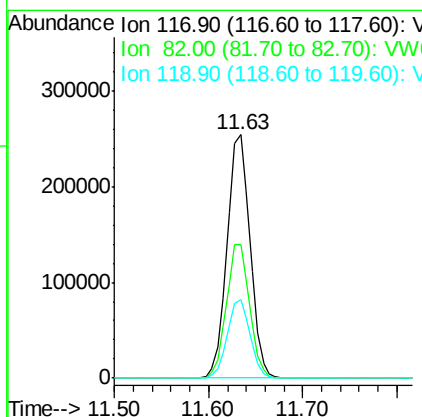
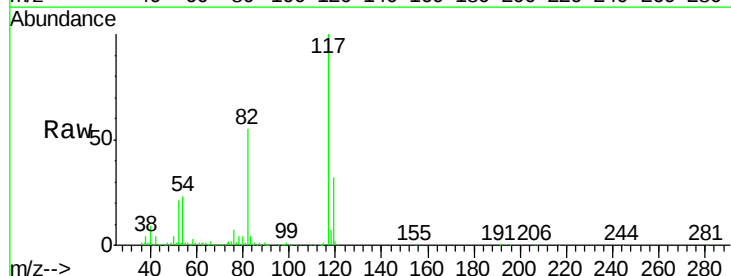
Instrument :  
MSVOA\_W  
ClientSampleId :  
200051

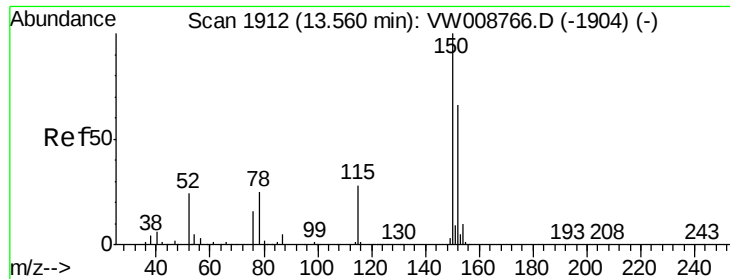
Tot Ion: 95 Resp: 199669  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 169.2  
176 83.2 0.0 163.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008910.D  
Acq: 01 Mar 2019 03:09

Tgt Ion: 117 Resp: 431613  
Ion Ratio Lower Upper  
117 100  
82 54.9 42.2 63.4  
119 32.2 25.9 38.9



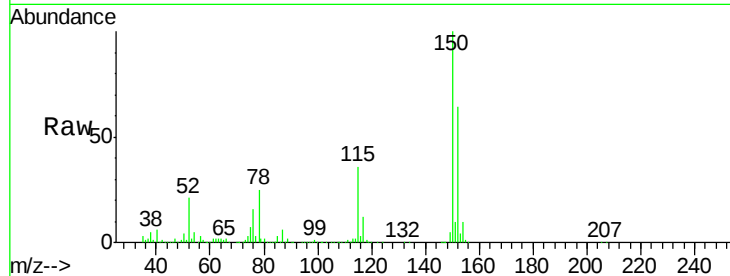


#72

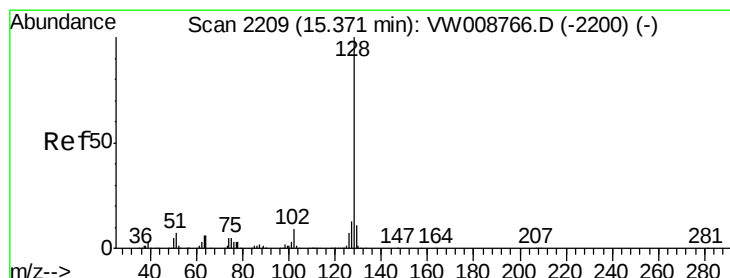
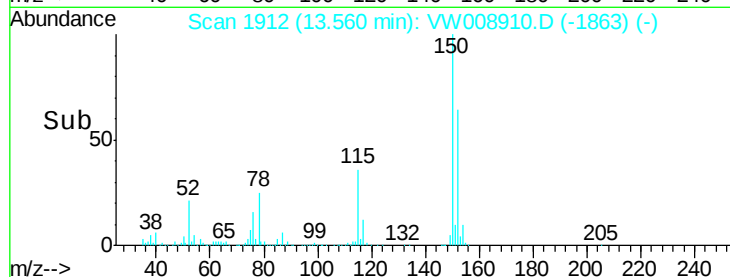
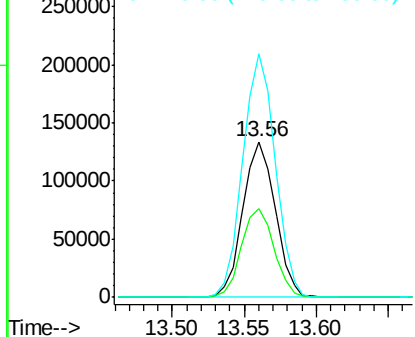
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW008910.D  
Acq: 01 Mar 2019 03:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
200051

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.0  | 28.6  | 85.8  |
| 150     | 156.2 | 0.0   | 348.0 |



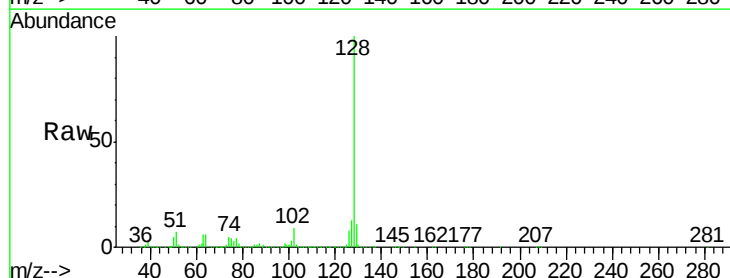
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene  
Concen: 111.621 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW008910.D  
Acq: 01 Mar 2019 03:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.7  | 10.8  | 16.2  |
| 129     | 11.0  | 8.7   | 13.1  |



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

