

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061419\  
 Data File : VW010811.D  
 Acq On : 14 Jun 2019 13:48  
 Operator : SY/VA  
 Sample : K3376-02  
 Misc : 5.22G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 NEW-DOVER-TP-1FT

Quant Time: Jun 15 06:37:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 05 03:21:19 2019  
 Response via : Initial Calibration

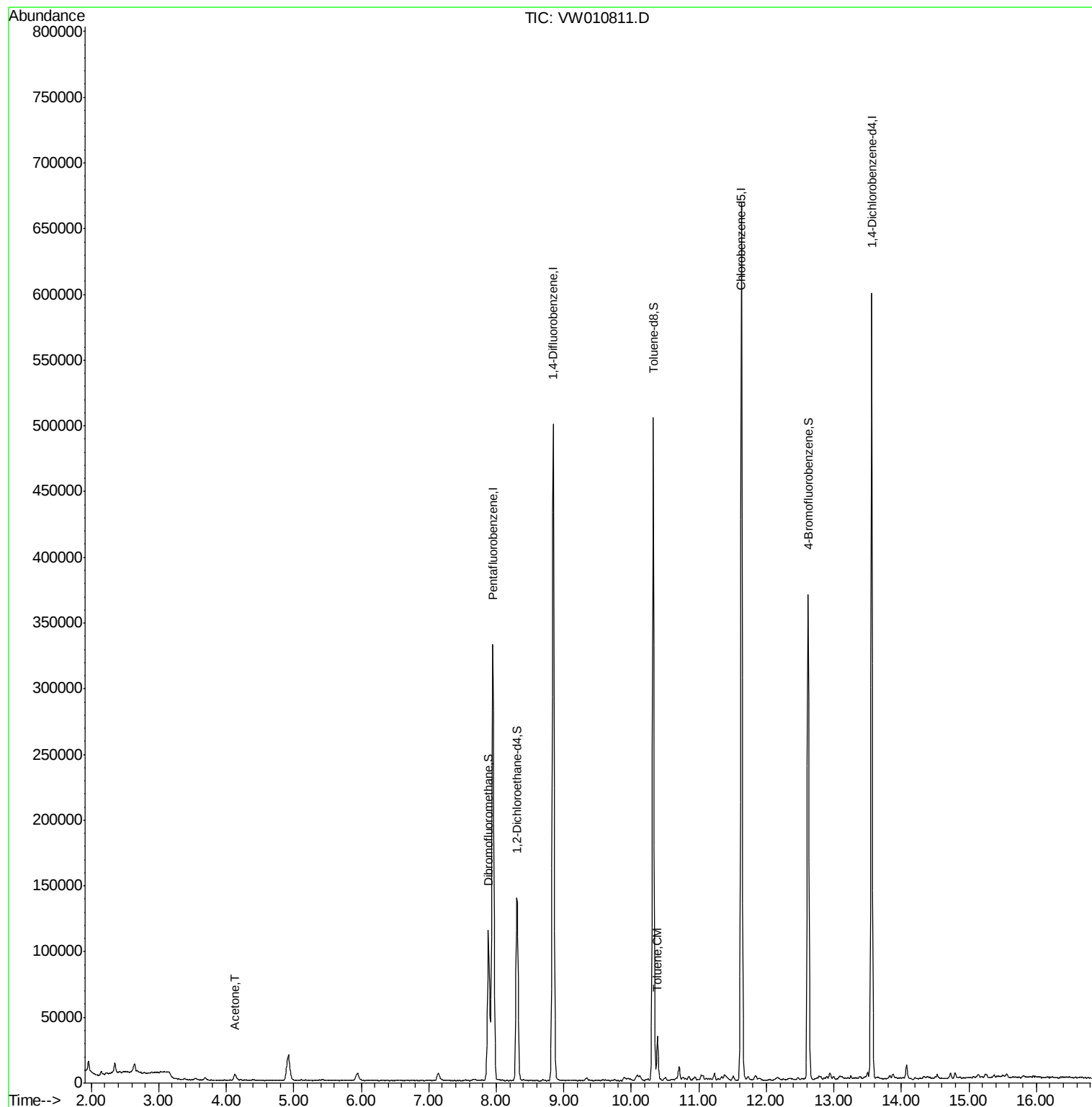
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|--------|------------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 237827   | 50.00  | ug/l   | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 397005   | 50.00  | ug/l   | 0.00       |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 339777   | 50.00  | ug/l   | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 142533   | 50.00  | ug/l   | 0.00       |
| System Monitoring Compounds |       |      |          |        |        |            |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 108119   | 38.57  | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.14% |            |
| 35) Dibromofluoromethane    | 7.89  | 113  | 80731    | 37.46  | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 74.92% |            |
| 50) Toluene-d8              | 10.32 | 98   | 314978   | 33.33  | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 66.66% |            |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 118711   | 34.52  | ug/l   | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 69.04% |            |
| Target Compounds            |       |      |          |        |        |            |
| 16) Acetone                 | 4.13  | 43   | 9327     | 12.418 | ug/l   | Qvalue 100 |
| 52) Toluene                 | 10.39 | 92   | 12975    | 1.902  | ug/l   | 96         |

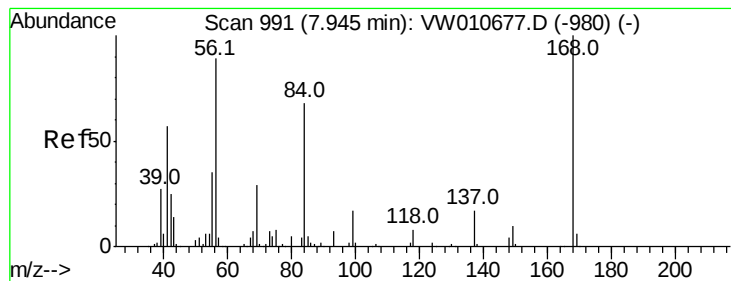
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 05 03:21:19 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Instrument :

MSVOA\_W

ClientSampleId :

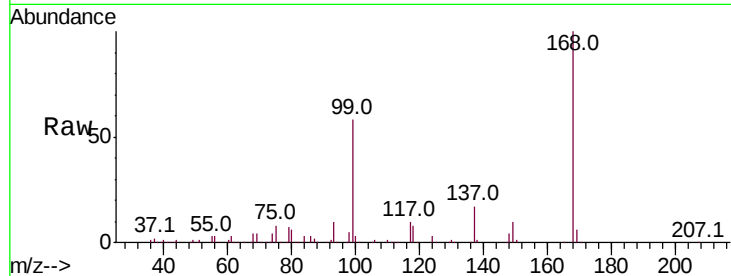
NEW-DOVER-TP-1FT

Tot Ion:168 Resp: 237827

Ion Ratio Lower Upper

168 100

99 57.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

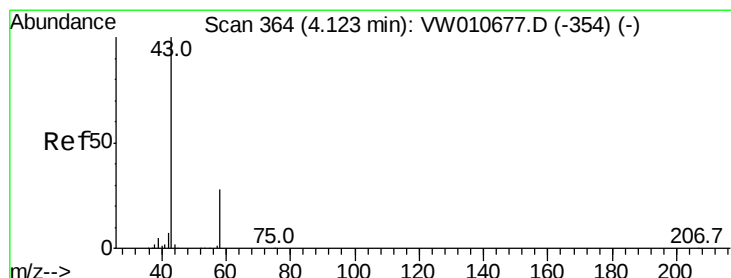
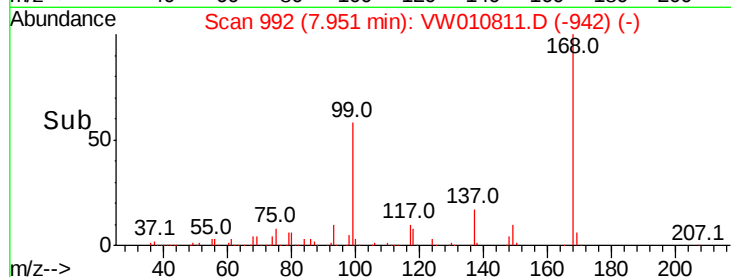
40000

20000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 12.418 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010811.D

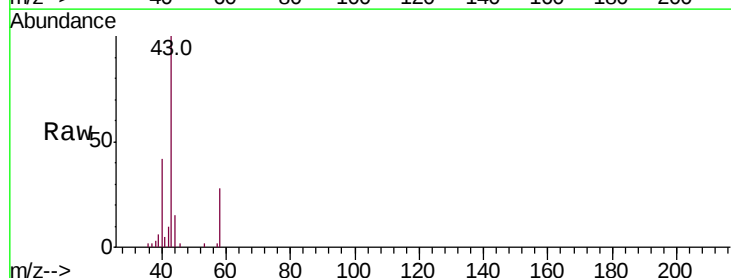
Acq: 14 Jun 2019 13:48

Tgt Ion: 43 Resp: 9327

Ion Ratio Lower Upper

43 100

58 27.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

3000

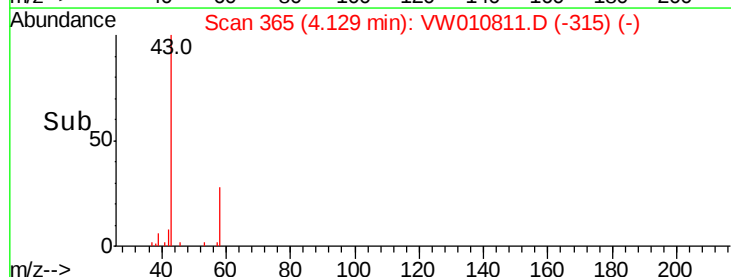
2000

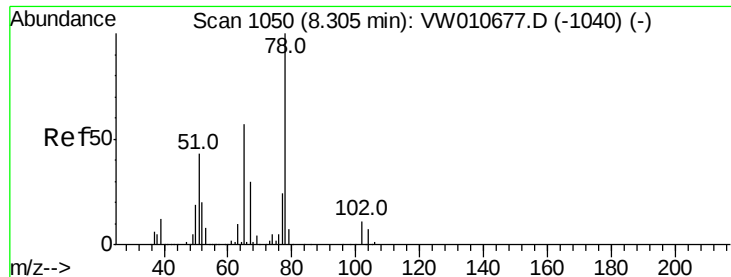
1000

0

4.00 4.10 4.20 4.30

Time-->





#33

1,2-Dichloroethane-d4

Concen: 38.570 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Instrument :

MSVOA\_W

ClientSampleId :

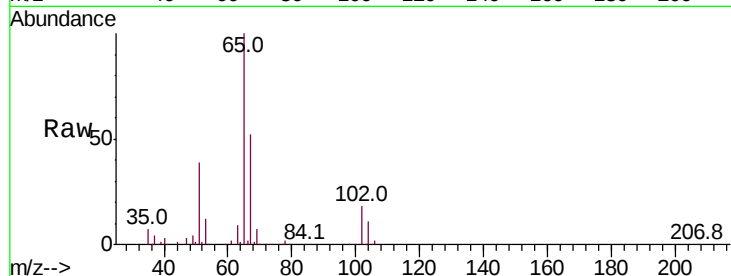
NEW-DOVER-TP-1FT

Tot Ion: 65 Resp: 108119

Ion Ratio Lower Upper

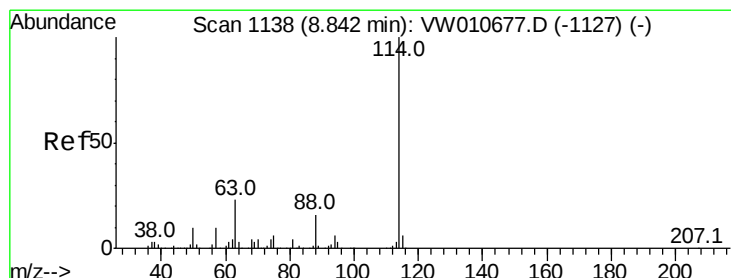
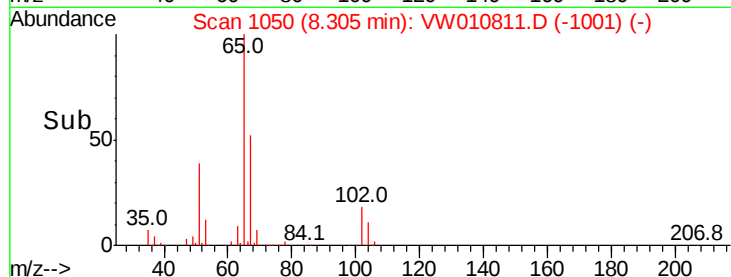
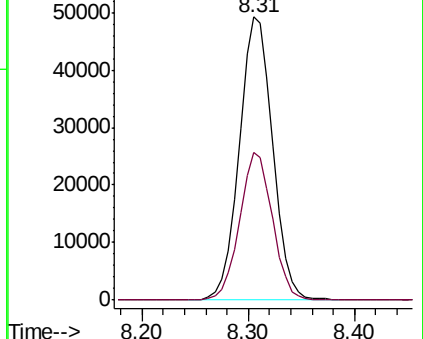
65 100

67 51.5 0.0 102.6



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: VW010811.D

Acq: 14 Jun 2019 13:48

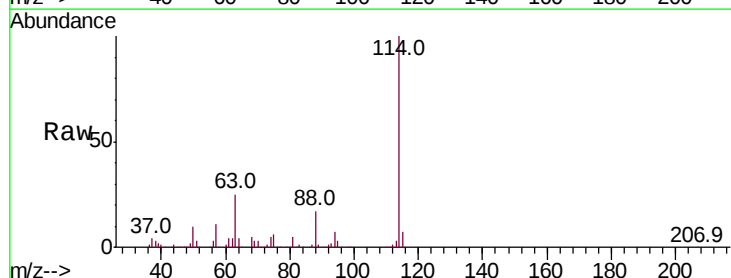
Tgt Ion: 114 Resp: 397005

Ion Ratio Lower Upper

114 100

63 25.4 0.0 46.4

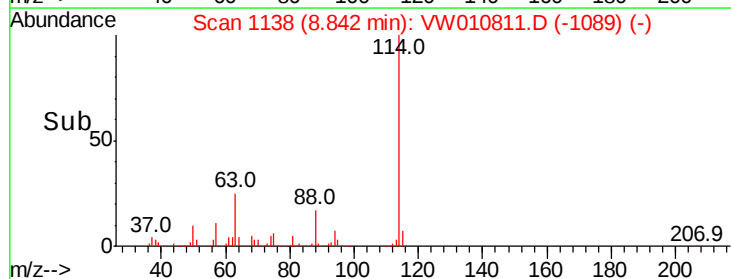
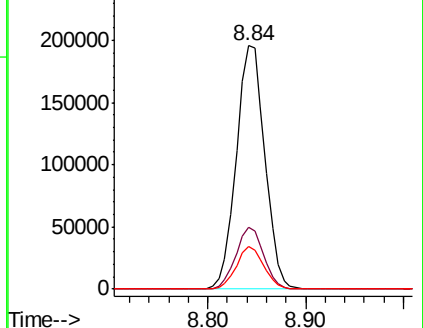
88 17.5 0.0 32.2

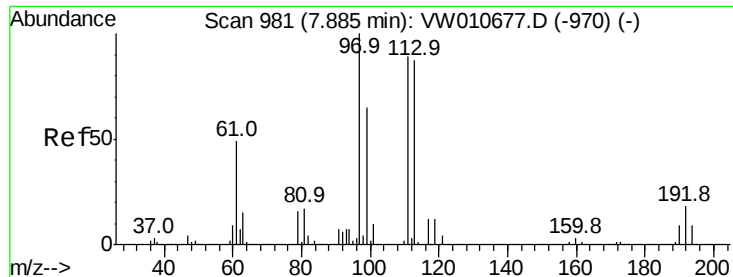


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

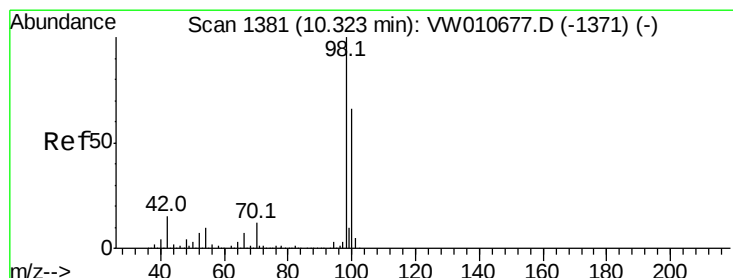
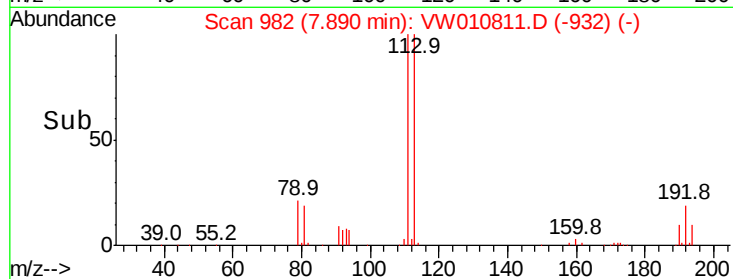
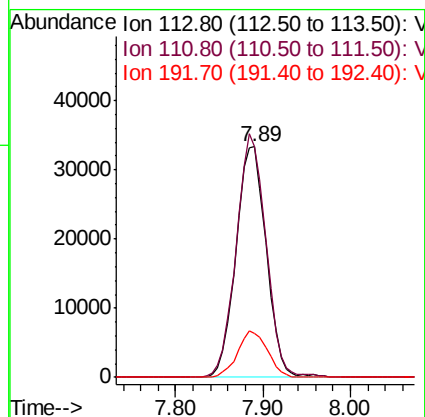
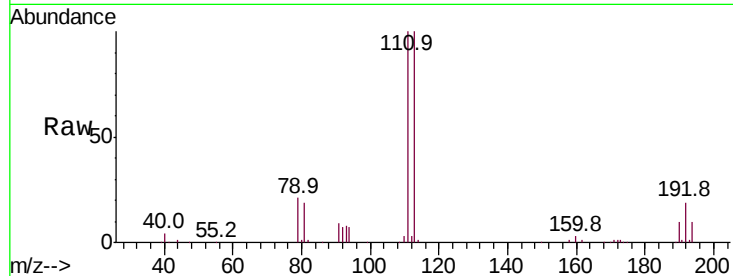




#35  
 Dibromofluoromethane  
 Concen: 37.465 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.01 min  
 Lab File: VW010811.D  
 Acq: 14 Jun 2019 13:48

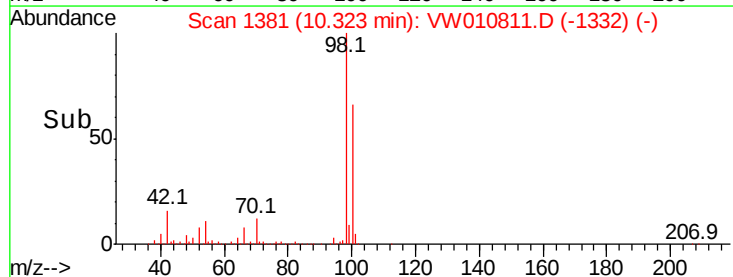
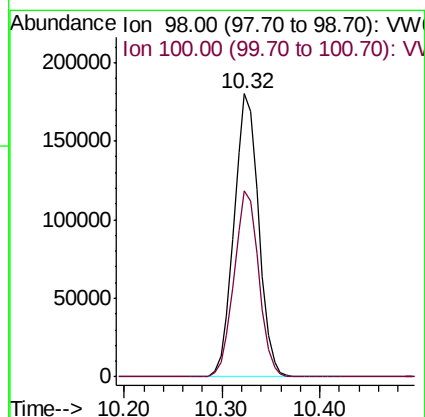
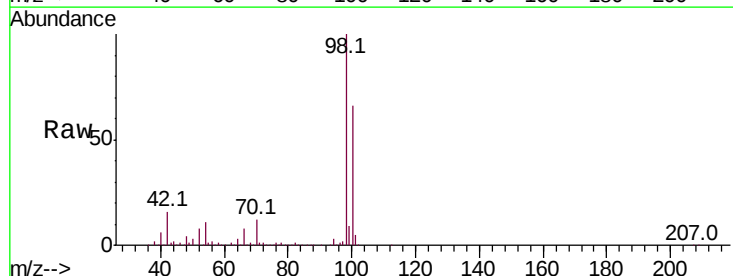
Instrument :  
 MSVOA\_W  
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 NEW-DOVER-TP-1FT

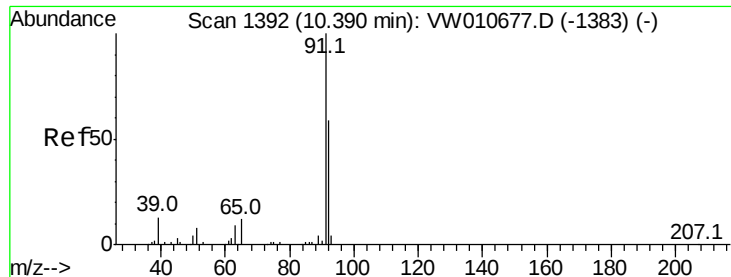
Tot Ion:113 Resp: 80731  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 82.6 123.8  
 192 19.8 16.4 24.6



#50  
 Toluene-d8  
 Concen: 33.333 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW010811.D  
 Acq: 14 Jun 2019 13:48

Tgt Ion: 98 Resp: 314978  
 Ion Ratio Lower Upper  
 98 100  
 100 65.8 53.0 79.6





#52

Toluene

Concen: 1.902 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Instrument :

MSVOA\_W

ClientSampleId :

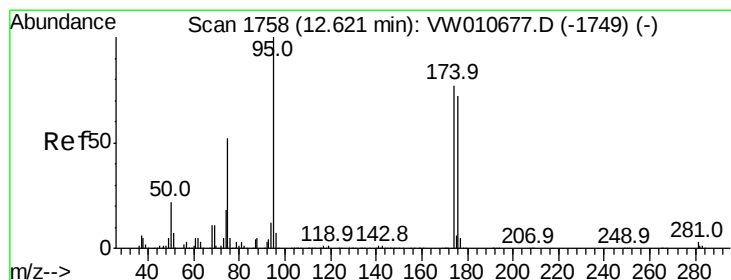
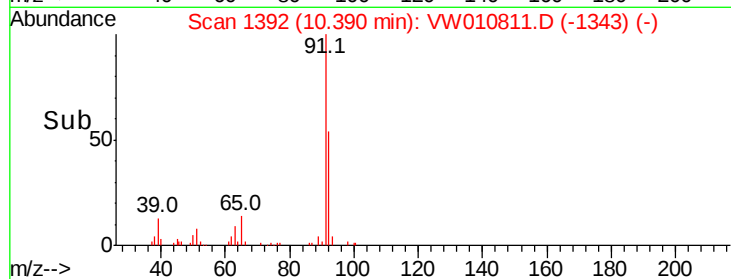
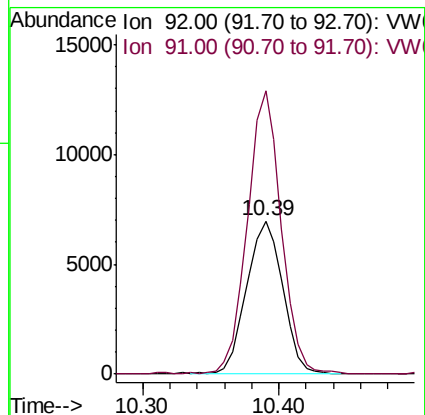
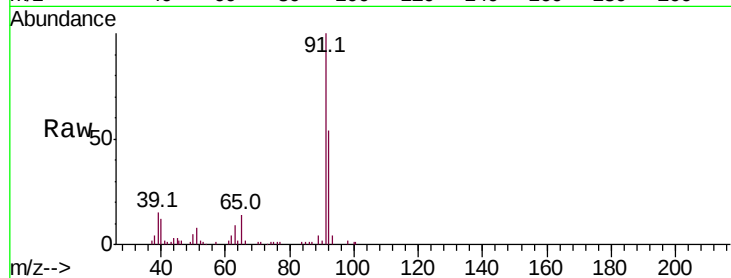
NEW-DOVER-TP-1FT

Tot Ion: 92 Resp: 12975

Ion Ratio Lower Upper

92 100

91 173.7 134.9 202.3



#62

4-Bromofluorobenzene

Concen: 34.524 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

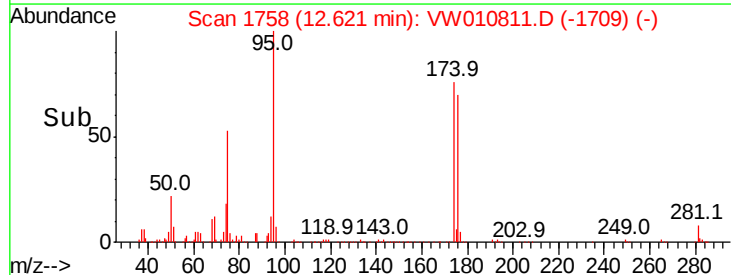
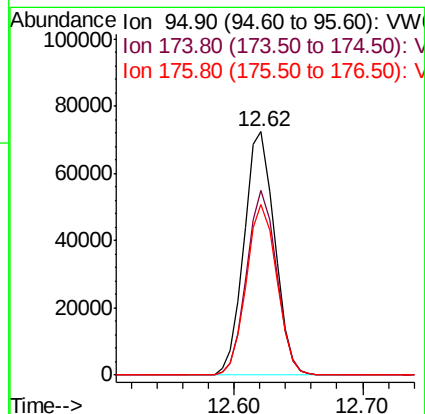
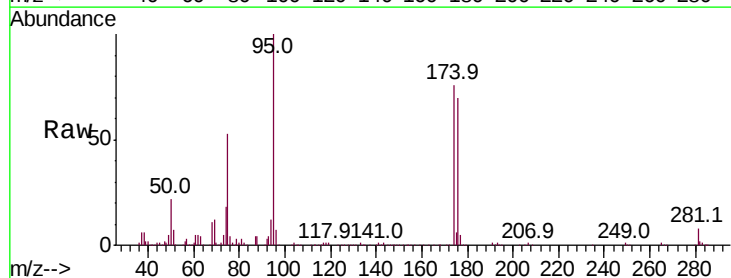
Tgt Ion: 95 Resp: 118711

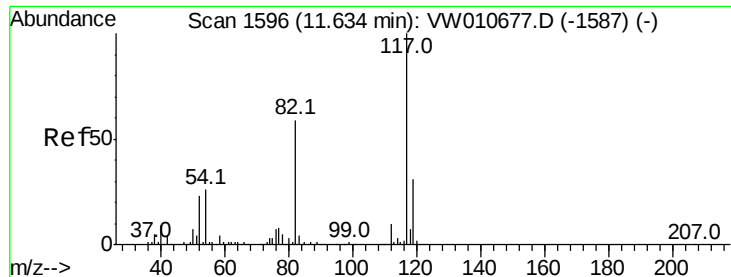
Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.4

176 70.1 0.0 144.8

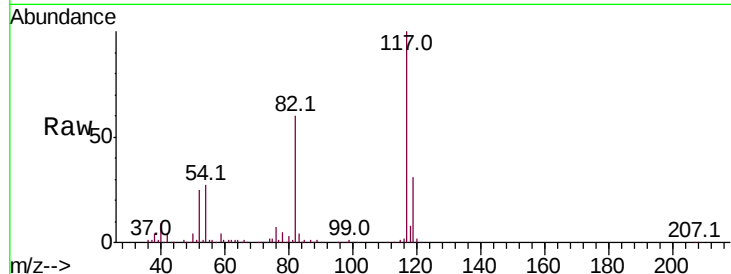




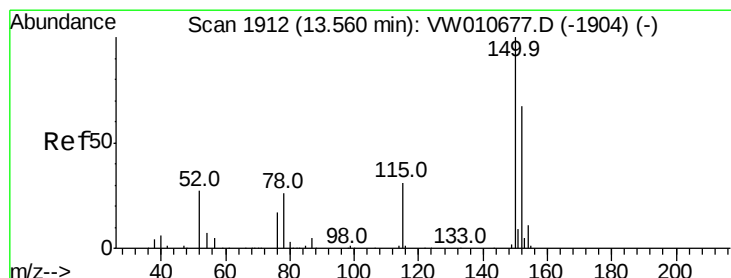
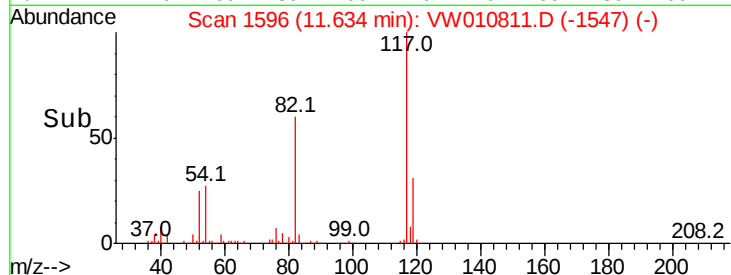
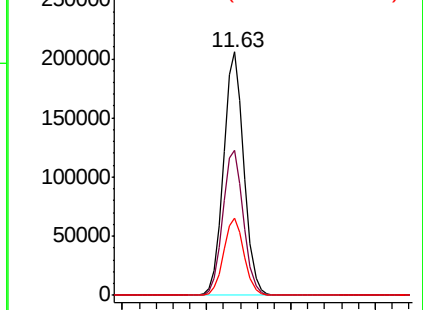
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010811.D  
Acq: 14 Jun 2019 13:48

Instrument :  
MSVOA\_W  
ClientSampleId :  
NEW-DOVER-TP-1FT

Tot Ion:117 Resp: 339777  
Ion Ratio Lower Upper  
117 100  
82 59.6 47.0 70.4  
119 31.5 25.1 37.7

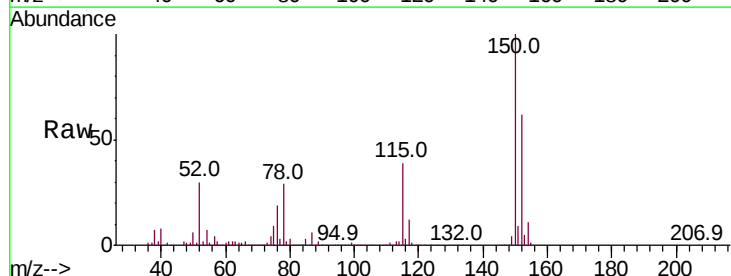


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010811.D  
Acq: 14 Jun 2019 13:48

Tgt Ion:152 Resp: 142533  
Ion Ratio Lower Upper  
152 100  
115 60.7 29.8 89.3  
150 156.5 0.0 345.0



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

