

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\  
 Data File : VW010896.D  
 Acq On : 20 Jun 2019 17:07  
 Operator : SY/VA  
 Sample : K3455-05  
 Misc : 4.84G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-3-GIS

Quant Time: Jun 21 08:31:30 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

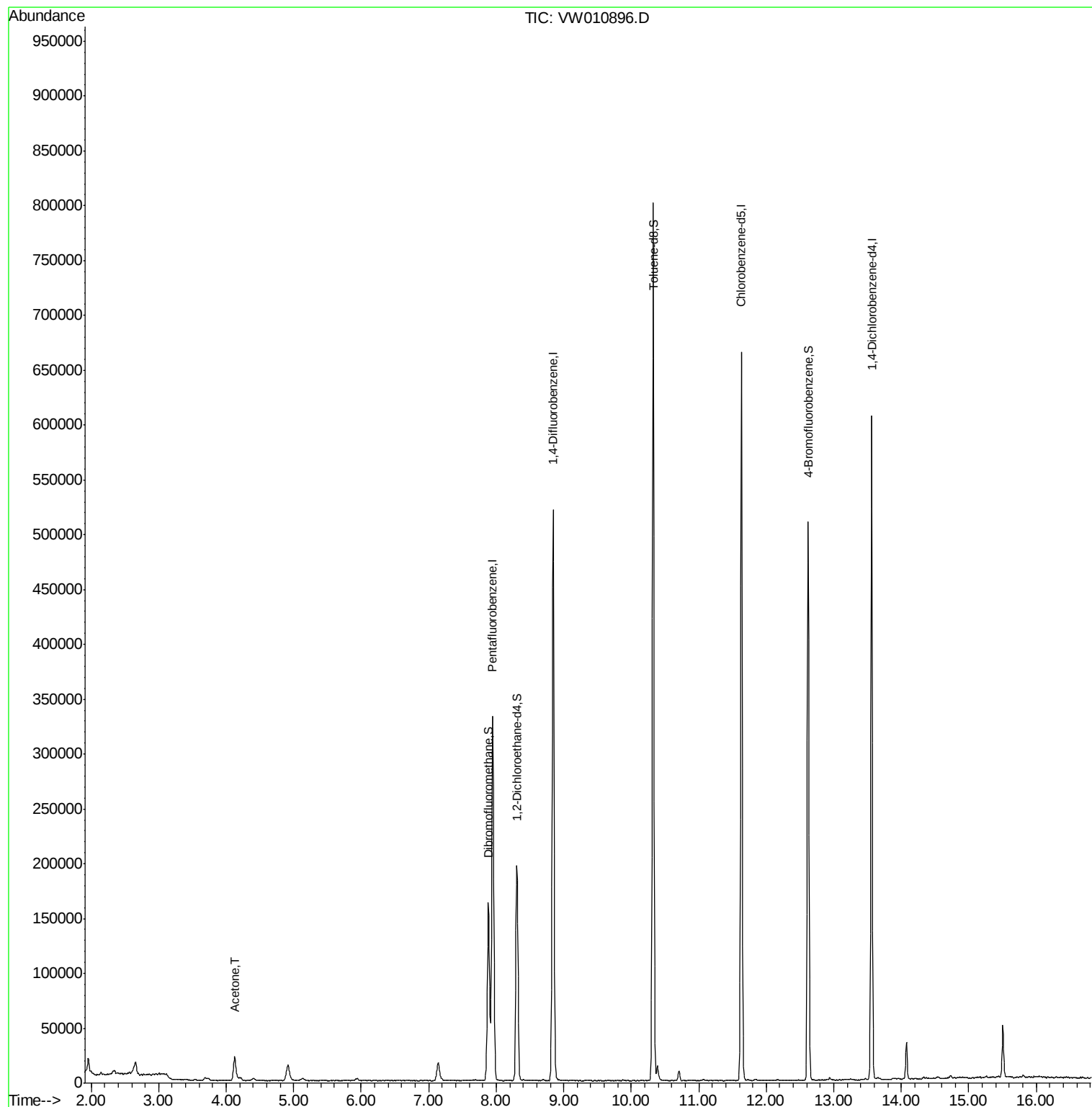
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 238323   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 396981   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 340049   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 143707   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 157487   | 56.06  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.12% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 114080   | 52.94  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.88% |           |
| 50) Toluene-d8              | 10.32 | 98   | 491236   | 51.99  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.98% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 163451   | 47.54  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.08%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.12  | 43   | 38843    | 51.606 | ug/l    | Qvalue 99 |

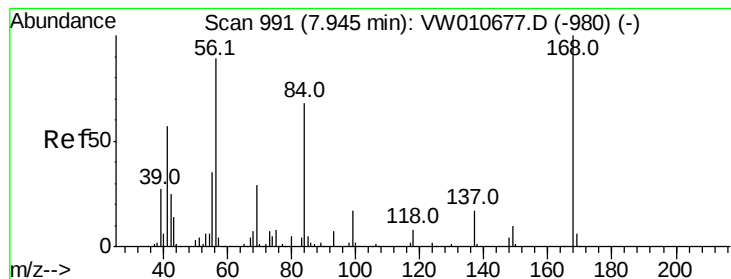
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062019\  
Data File : VW010896.D  
Acq On : 20 Jun 2019 17:07  
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Misc : 4.84G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-3-GIS

Quant Time: Jun 21 08:31:30 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
Quant Title : SW846 8260  
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# 991

Delta R.T. 0.00 min

Lab File: VW010896.D

Acq: 20 Jun 2019 17:07

Instrument :

MSVOA\_W

ClientSampleId :

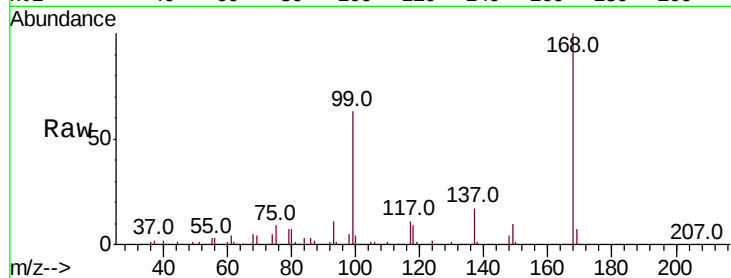
TP-3-GIS

Tot Ion:168 Resp: 238323

Ion Ratio Lower Upper

168 100

99 62.9 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

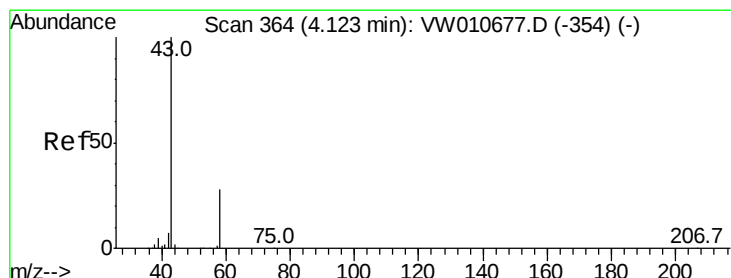
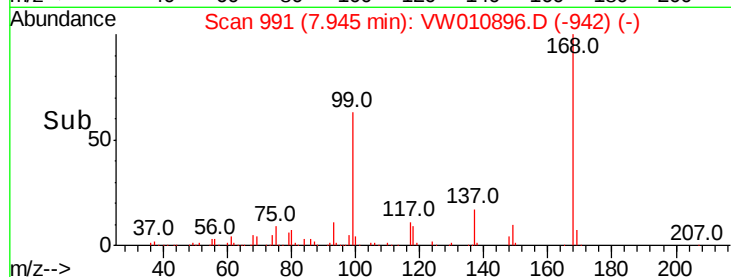
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 51.606 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010896.D

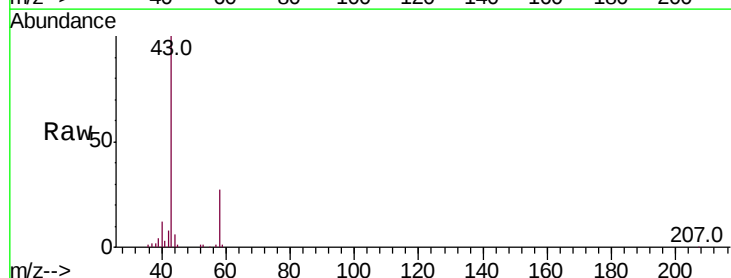
Acq: 20 Jun 2019 17:07

Tgt Ion: 43 Resp: 38843

Ion Ratio Lower Upper

43 100

58 27.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

15000

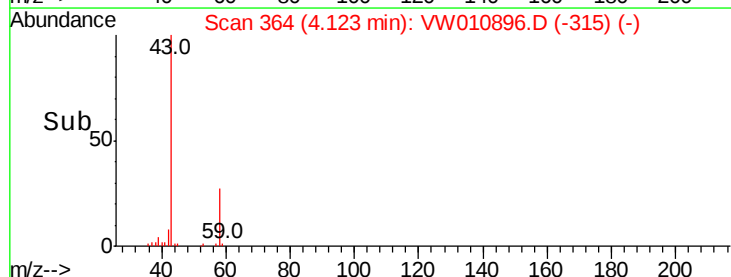
10000

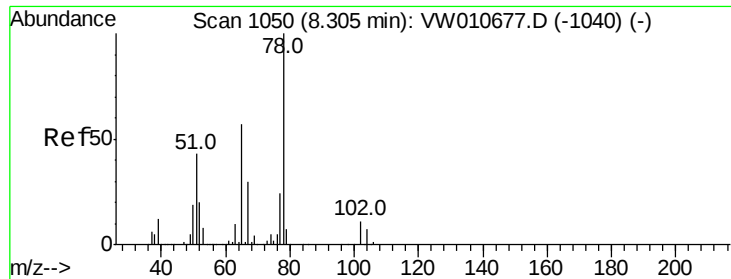
5000

0

4.00 4.10 4.20

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.064 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010896.D

Acq: 20 Jun 2019 17:07

Instrument :

MSVOA\_W

ClientSampleId :

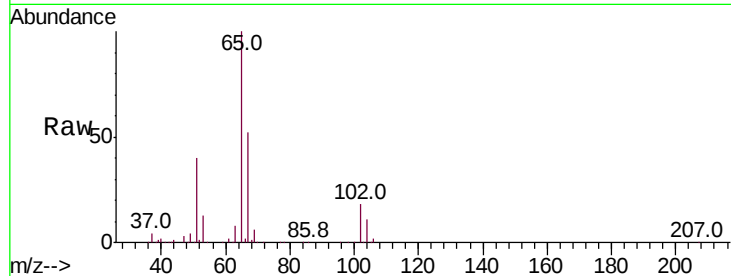
TP-3-GIS

Tot Ion: 65 Resp: 157487

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

80000

60000

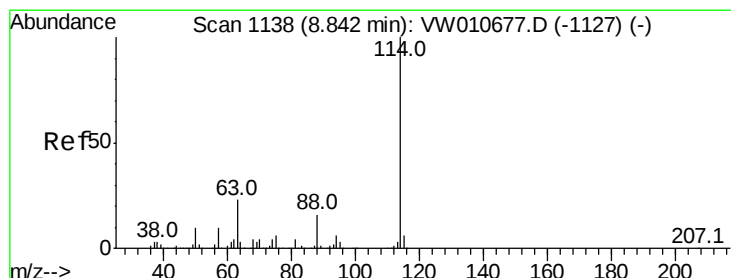
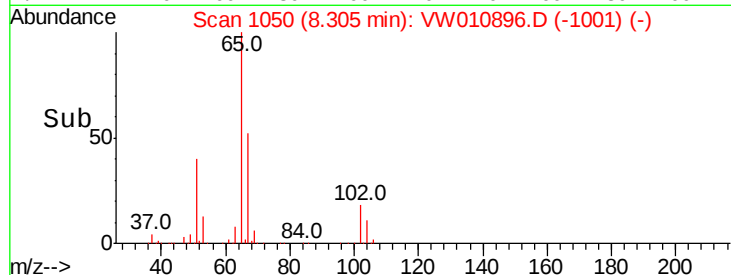
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010896.D

Acq: 20 Jun 2019 17:07

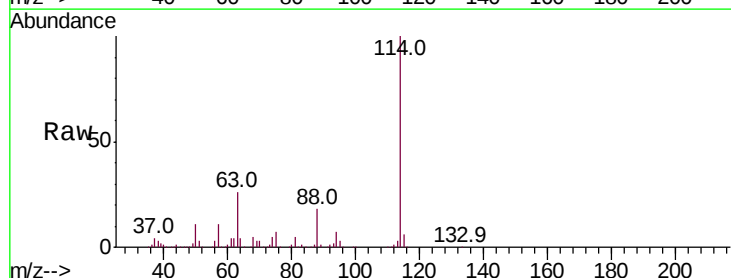
Tgt Ion: 114 Resp: 396981

Ion Ratio Lower Upper

114 100

63 26.1 0.0 46.4

88 17.6 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

250000

200000

150000

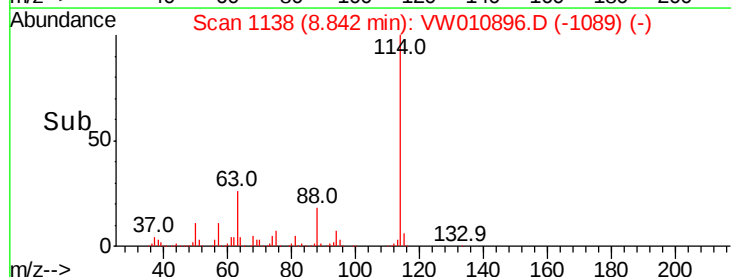
100000

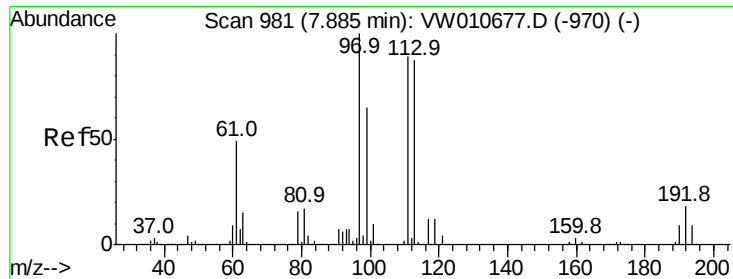
50000

0

8.80 8.90

Time-->

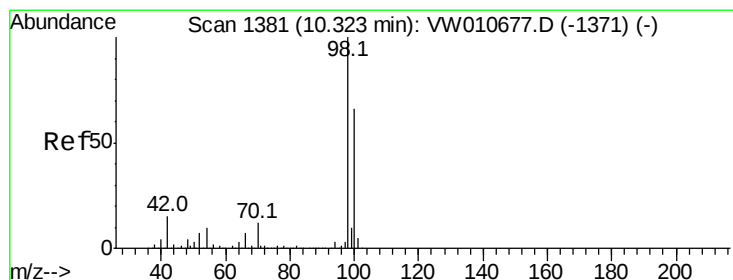
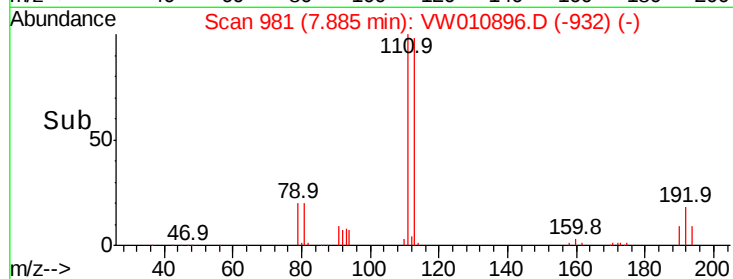
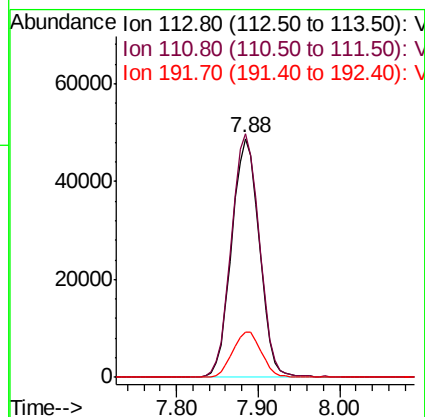
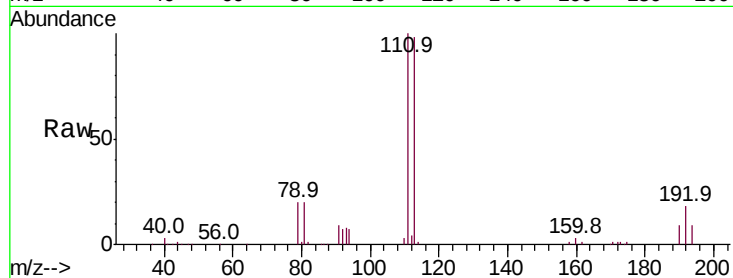




#35  
 Dibromofluoromethane  
 Concen: 52.944 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW010896.D  
 Acq: 20 Jun 2019 17:07

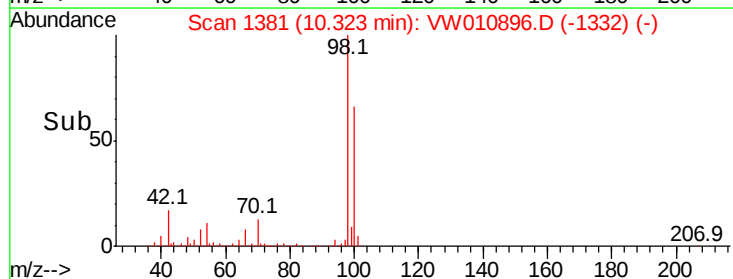
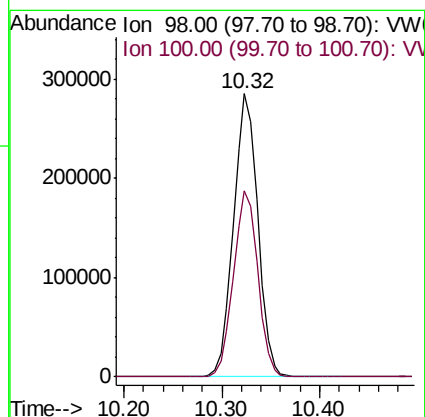
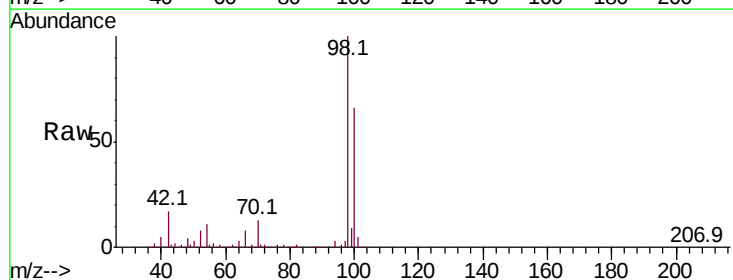
Instrument :  
 MSVOA\_W  
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 TP-3-GIS

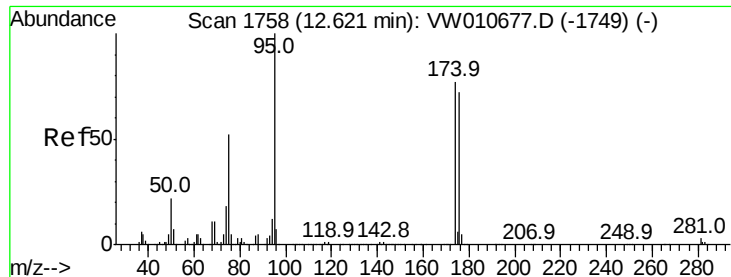
Tot Ion:113 Resp: 114080  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 82.6 123.8  
 192 19.6 16.4 24.6



#50  
 Toluene-d8  
 Concen: 51.990 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW010896.D  
 Acq: 20 Jun 2019 17:07

Tgt Ion: 98 Resp: 491236  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 53.0 79.6

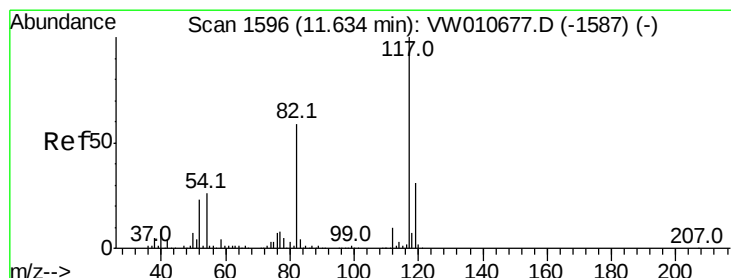
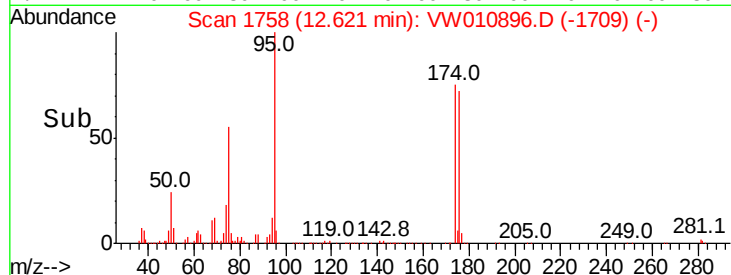
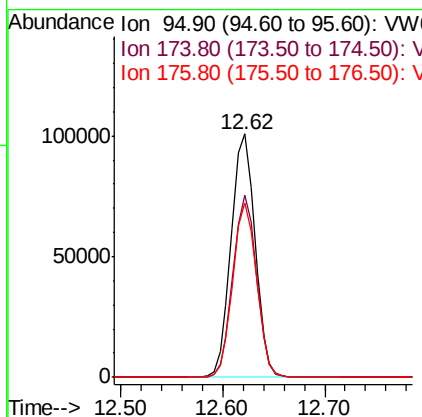
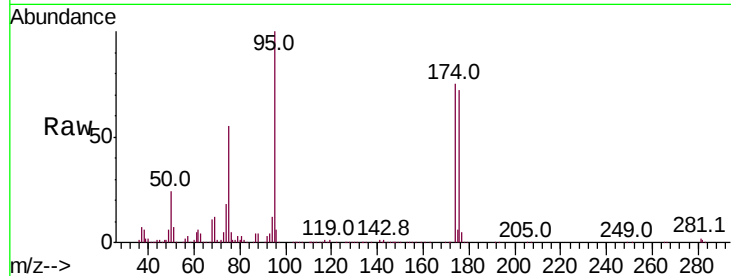




#62  
4-Bromofluorobenzene  
Concen: 47.539 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW010896.D  
Acq: 20 Jun 2019 17:07

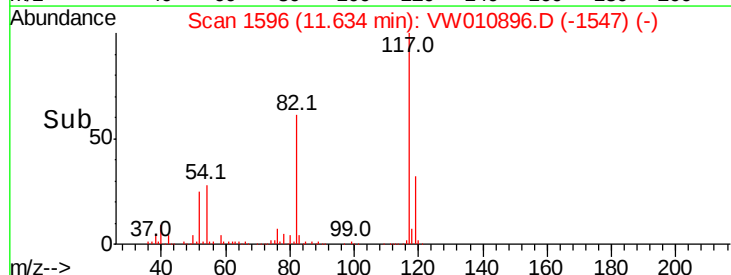
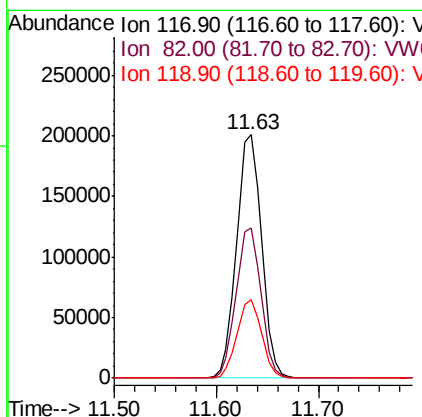
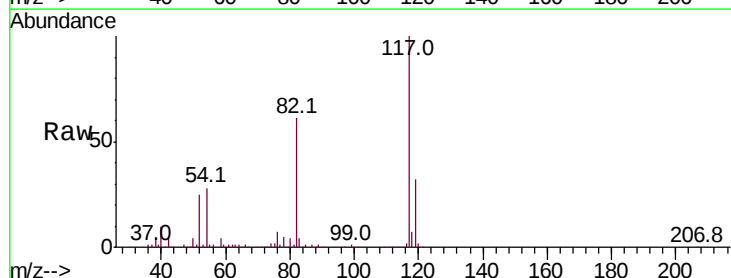
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-3-GIS

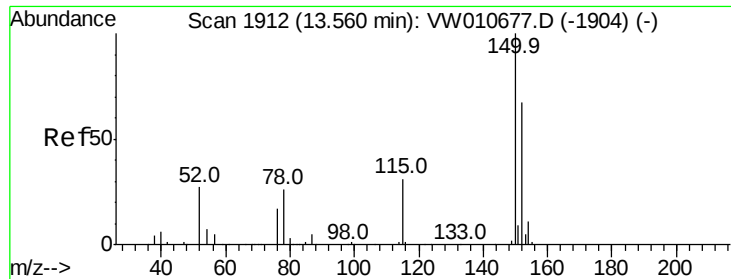
Tot Ion: 95 Resp: 163451  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 150.4  
176 71.0 0.0 144.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW010896.D  
Acq: 20 Jun 2019 17:07

Tgt Ion: 117 Resp: 340049  
Ion Ratio Lower Upper  
117 100  
82 61.5 47.0 70.4  
119 32.2 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010896.D

Acq: 20 Jun 2019 17:07

Instrument :

MSVOA\_W

ClientSampleId :

TP-3-GIS

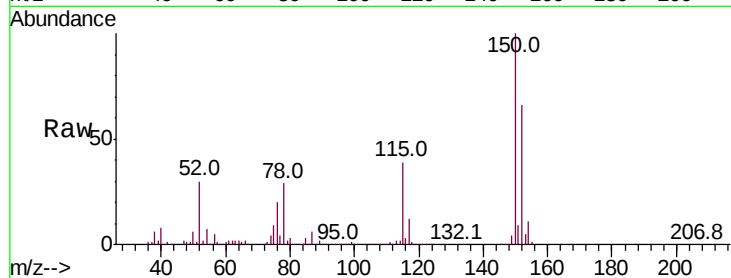
Tot Ion:152 Resp: 143707

Ion Ratio Lower Upper

152 100

115 60.8 29.8 89.3

150 155.2 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

