

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\  
 Data File : VW013355.D  
 Acq On : 01 Oct 2019 02:32  
 Operator : SY/VA  
 Sample : K4946-06  
 Misc : 4.45G/5ML/MSVOA W/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GP-3 (1-3)

Quant Time: Oct 01 06:41:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W092019S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 20 15:58:08 2019  
 Response via : Initial Calibration

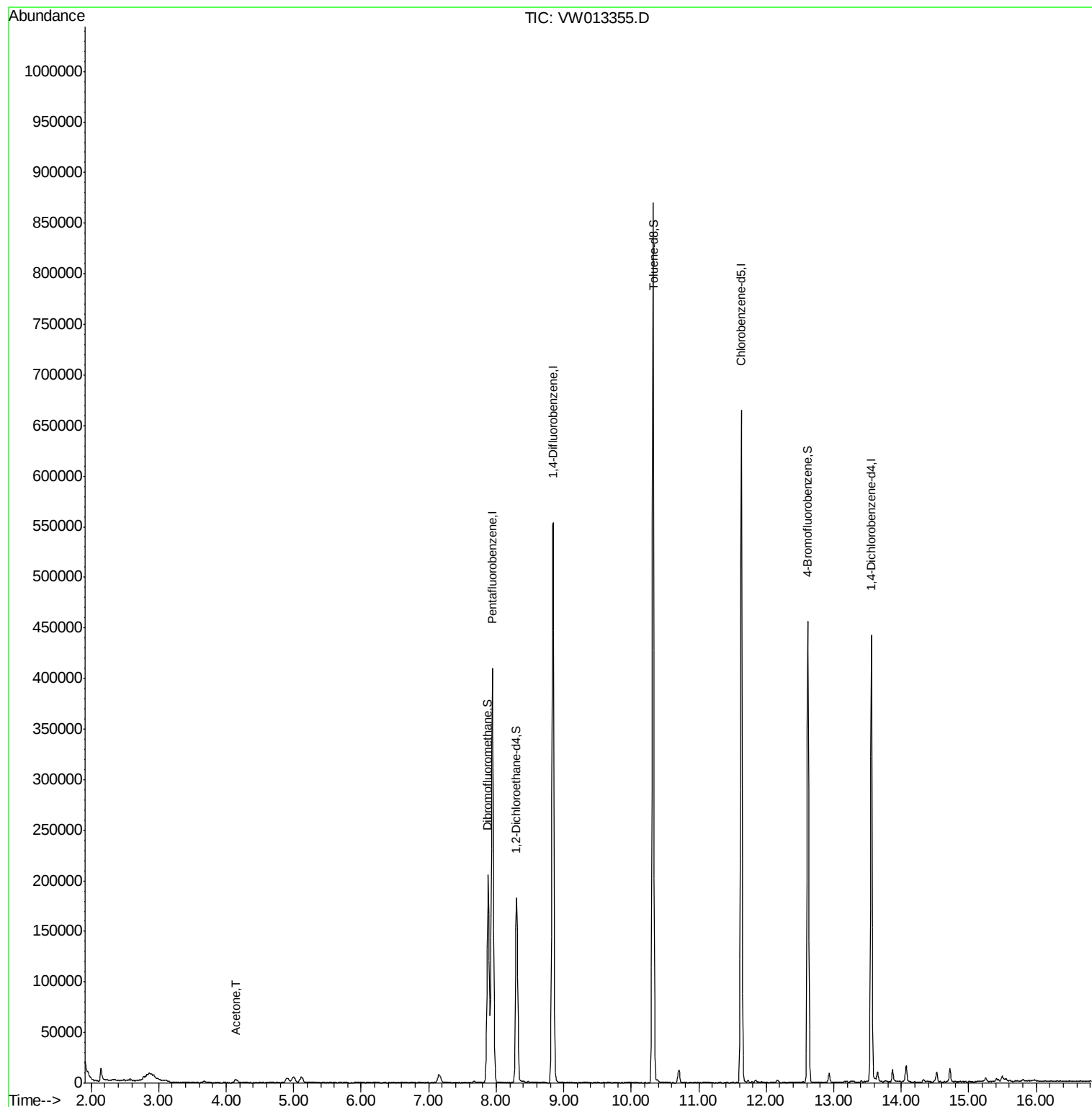
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 340633   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 505460   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 388989   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 125747   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 144985   | 52.15  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.30% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 147836   | 53.18  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.36% |           |
| 50) Toluene-d8              | 10.32 | 98   | 581782   | 50.00  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.00% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 145987   | 36.73  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.46%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.15  | 43   | 6639     | 10.590 | ug/l    | Qvalue 98 |

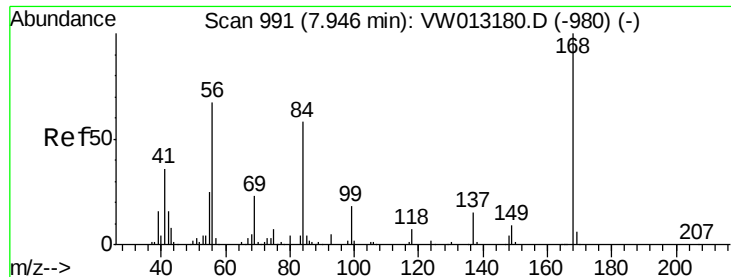
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GP-3 (1-3)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W092019S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 20 15:58:08 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: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA\_W

ClientSampleId :

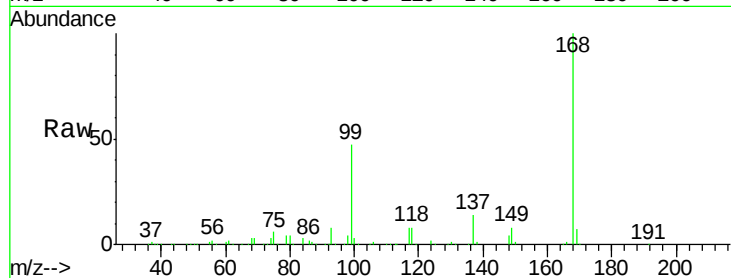
GP-3 (1-3)

Tot Ion:168 Resp: 340633

Ion Ratio Lower Upper

168 100

99 47.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

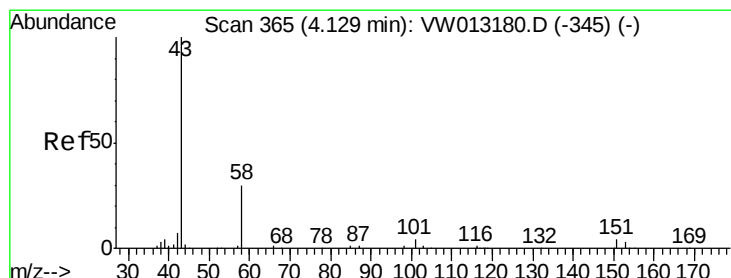
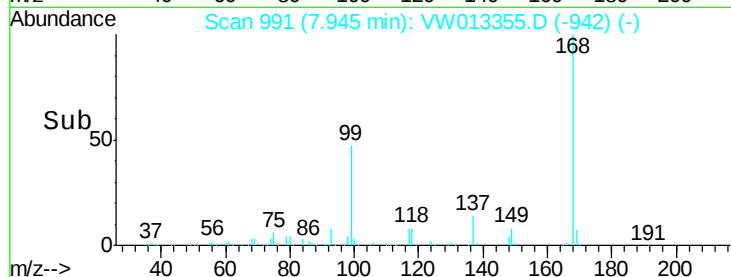
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 10.590 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013355.D

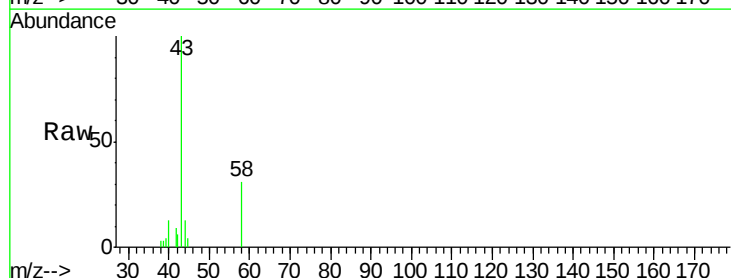
Acq: 01 Oct 2019 02:32

Tgt Ion: 43 Resp: 6639

Ion Ratio Lower Upper

43 100

58 31.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

2000

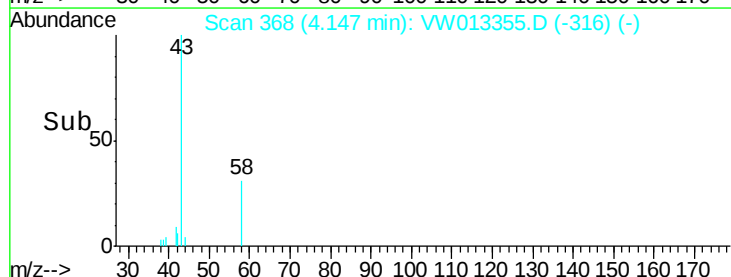
1500

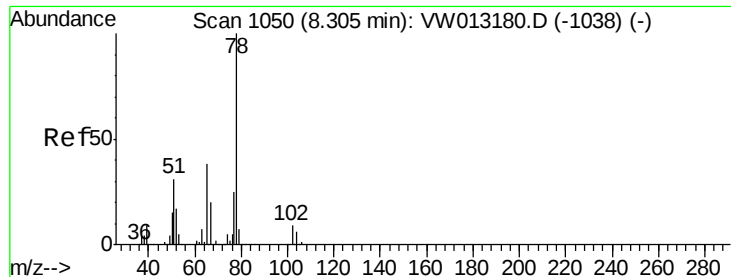
1000

500

0

Time--> 4.00 4.10 4.20





#33

1,2-Dichloroethane-d4

Concen: 52.152 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA\_W

ClientSampleId :

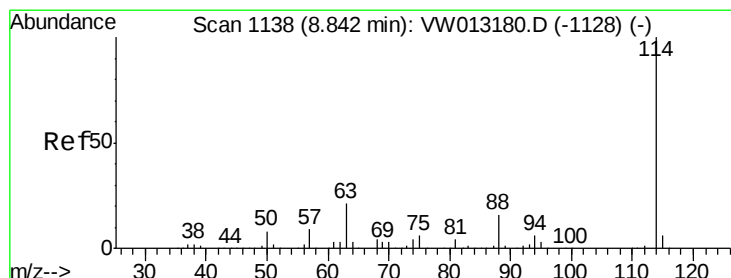
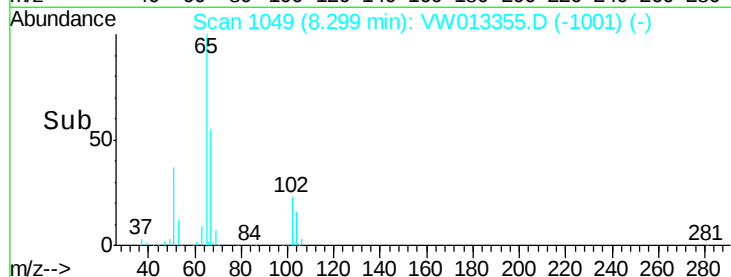
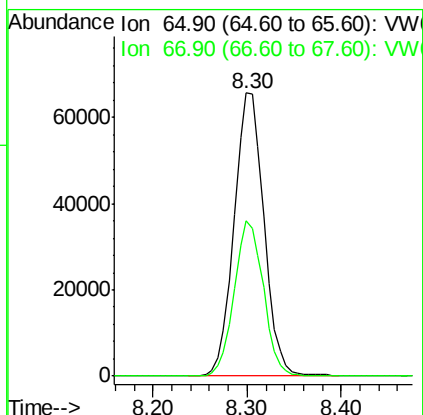
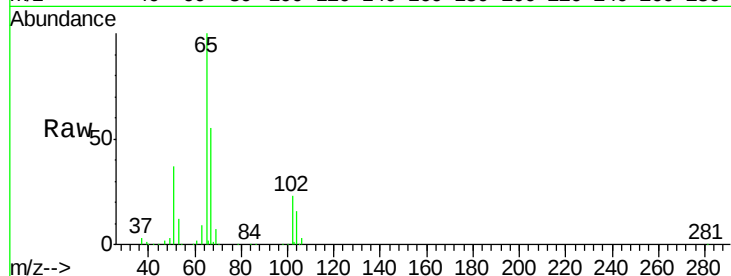
GP-3 (1-3)

Tot Ion: 65 Resp: 144985

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

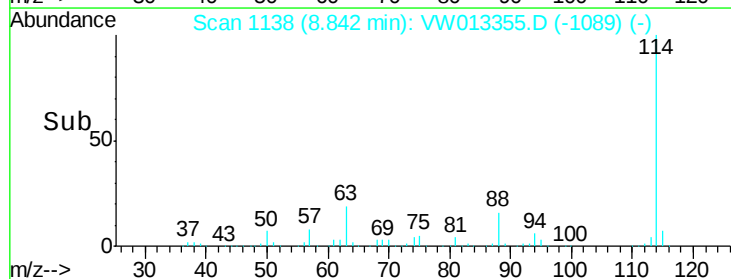
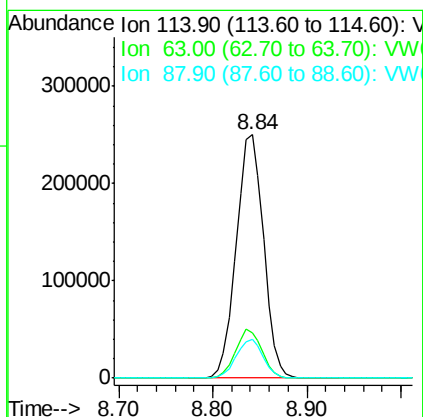
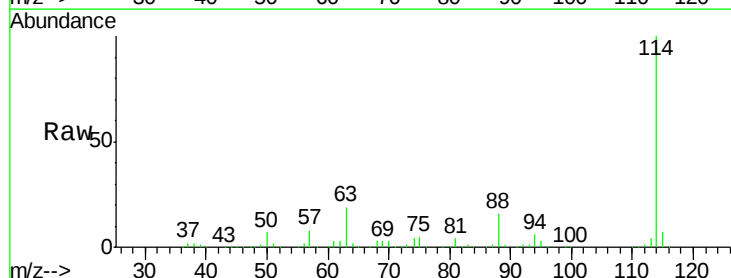
Tgt Ion: 114 Resp: 505460

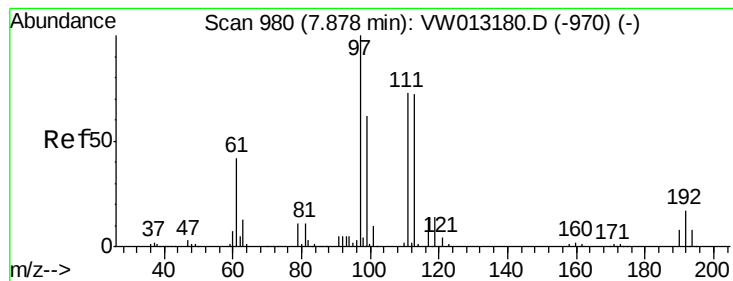
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.4

88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.178 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA\_W

ClientSampled :

GP-3 (1-3)

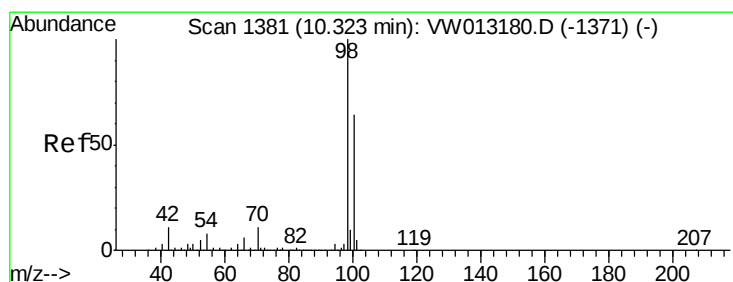
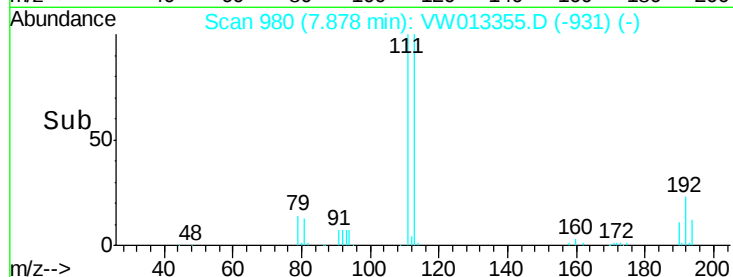
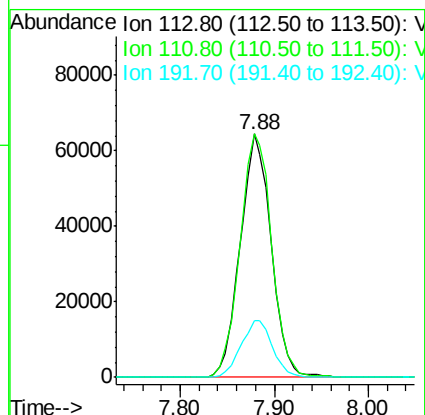
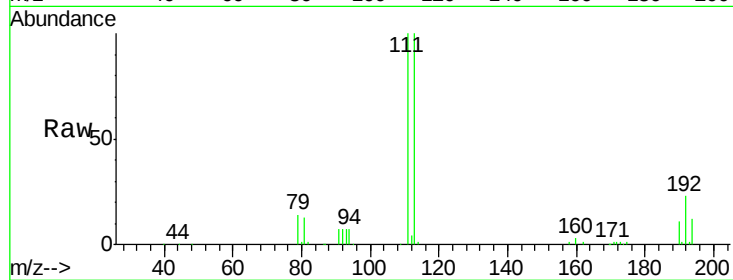
Tot Ion:113 Resp: 147836

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

192 23.7 19.1 28.7



#50

Toluene-d8

Concen: 50.004 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013355.D

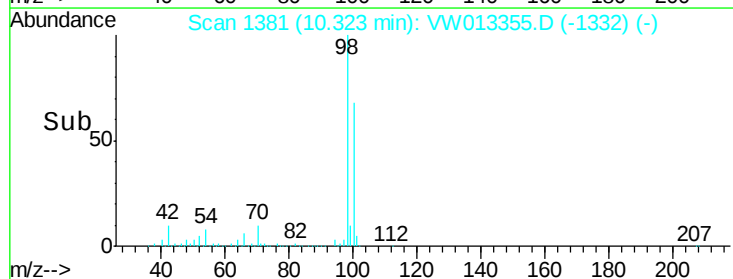
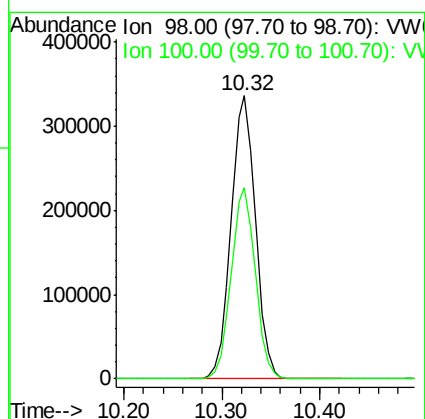
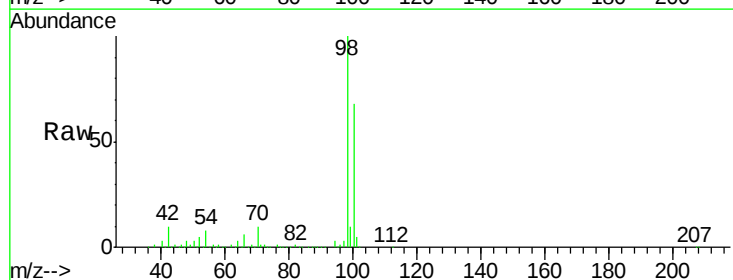
Acq: 01 Oct 2019 02:32

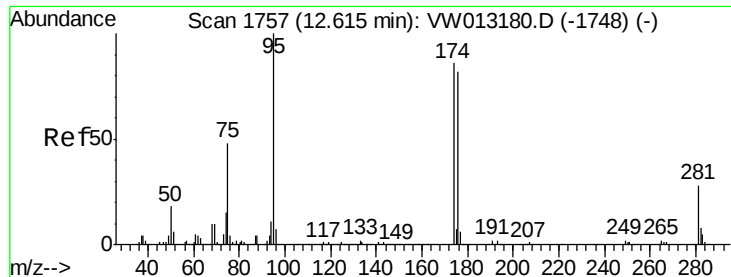
Tgt Ion: 98 Resp: 581782

Ion Ratio Lower Upper

98 100

100 66.6 52.9 79.3

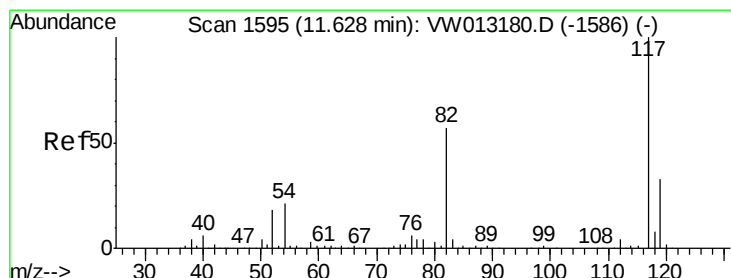
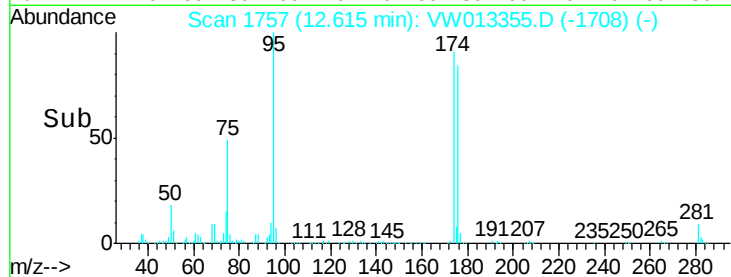
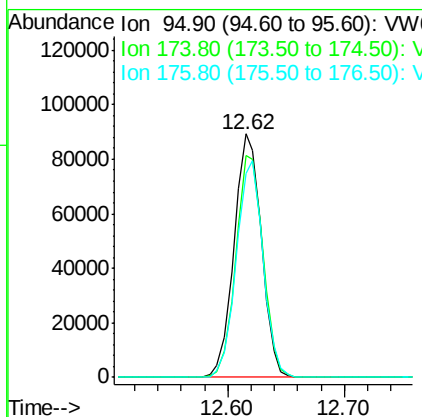
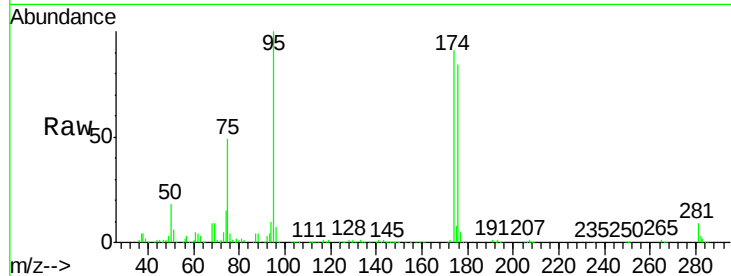




#62  
4-Bromofluorobenzene  
Concen: 36.732 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW013355.D  
Acq: 01 Oct 2019 02:32

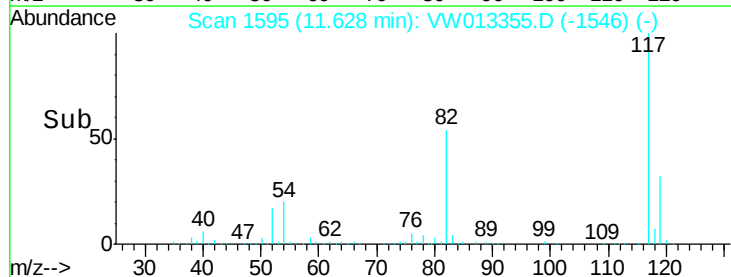
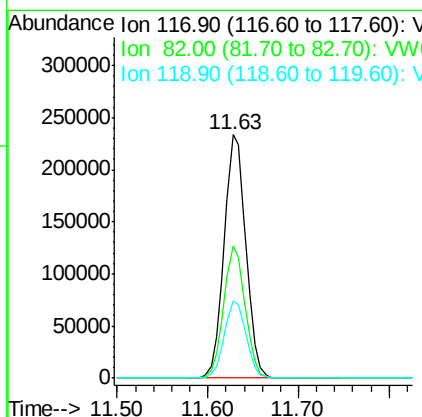
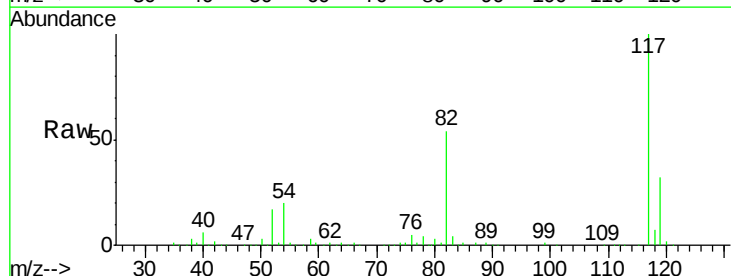
Instrument :  
MSVOA\_W  
ClientSampleId :  
GP-3 (1-3)

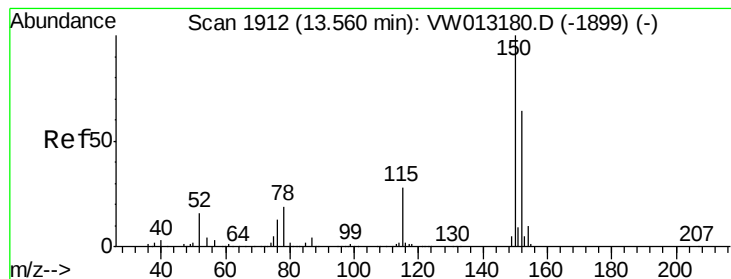
Tot Ion: 95 Resp: 145987  
Ion Ratio Lower Upper  
95 100  
174 90.9 0.0 178.4  
176 87.4 0.0 172.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013355.D  
Acq: 01 Oct 2019 02:32

Tgt Ion: 117 Resp: 388989  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.9 68.9  
119 31.6 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: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA\_W

ClientSampleId :

GP-3 (1-3)

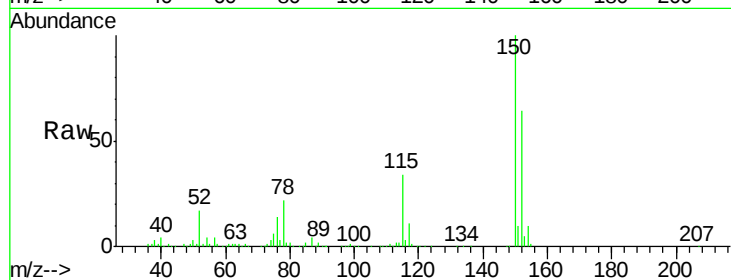
Tot Ion:152 Resp: 125747

Ion Ratio Lower Upper

152 100

115 55.9 27.3 81.9

150 158.8 0.0 349.0



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

