

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\  
 Data File : VW008693.D  
 Acq On : 15 Feb 2019 19:06  
 Operator : SY/VA  
 Sample : K1515-04  
 Misc : 6.10G/5ML/MSVOA W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TS-4

Quant Time: Feb 16 02:45:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 04:06:50 2019  
 Response via : Initial Calibration

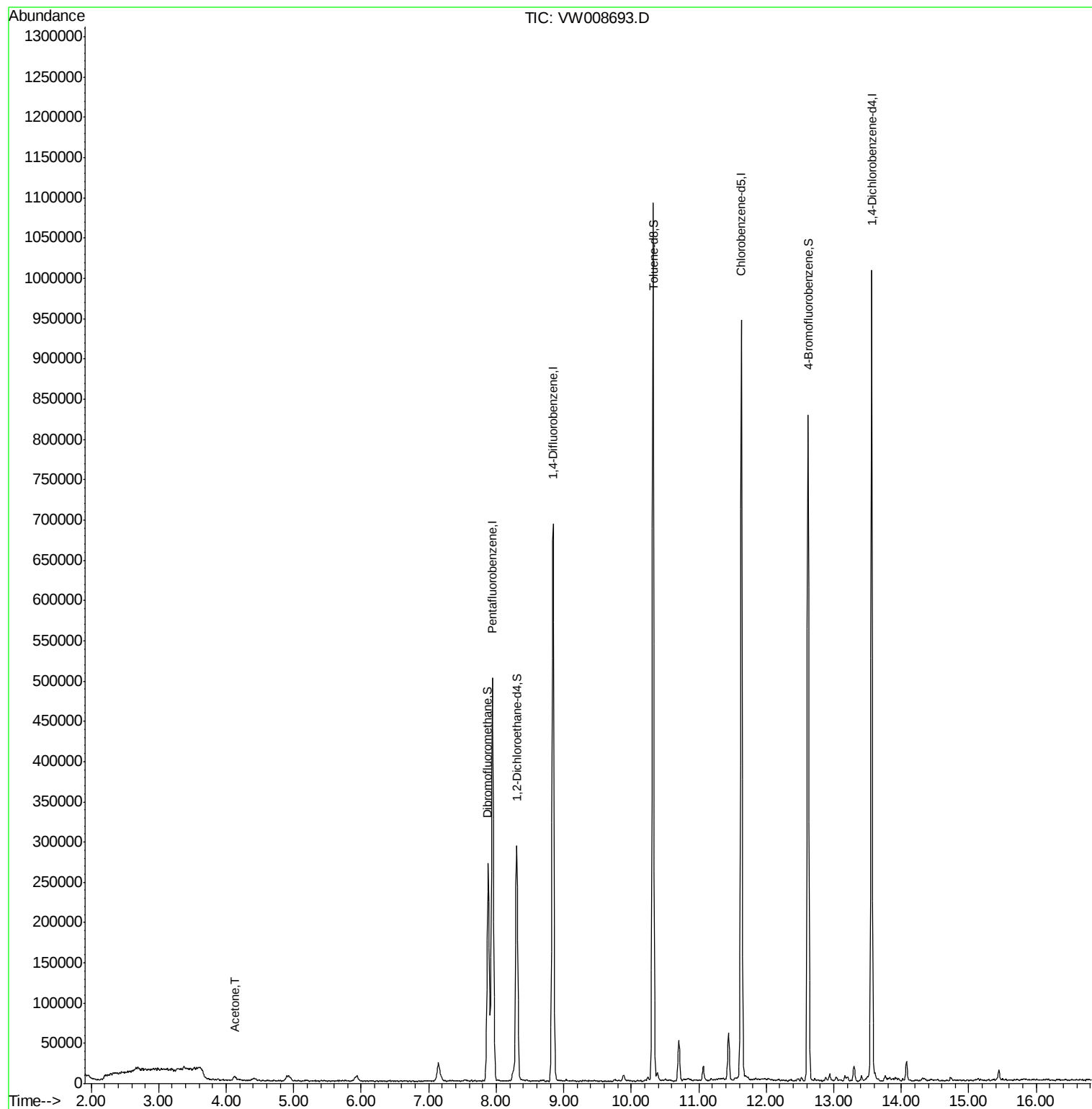
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 379881   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 577841   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 517234   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 254789   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 220693   | 55.88  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.76% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 185455   | 51.69  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.38% |           |
| 50) Toluene-d8              | 10.32 | 98   | 682395   | 49.34  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.68%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 243982   | 46.83  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.66%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.13  | 43   | 10295    | 11.455 | ug/l #  | Qvalue 82 |

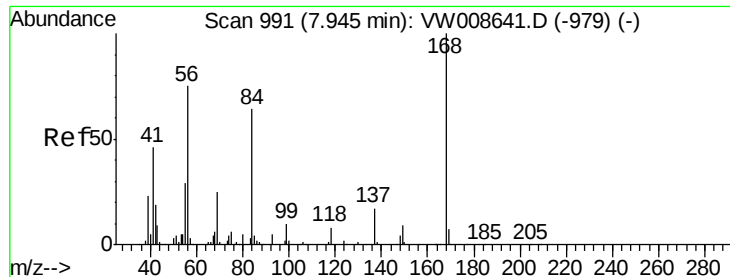
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Feb 14 04:06:50 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: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA\_W

ClientSampleId :

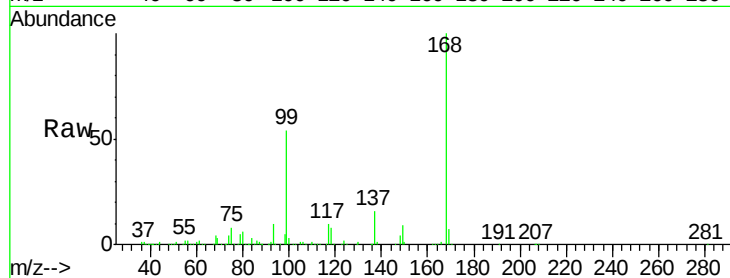
TS-4

Tot Ion:168 Resp: 379881

Ion Ratio Lower Upper

168 100

99 54.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

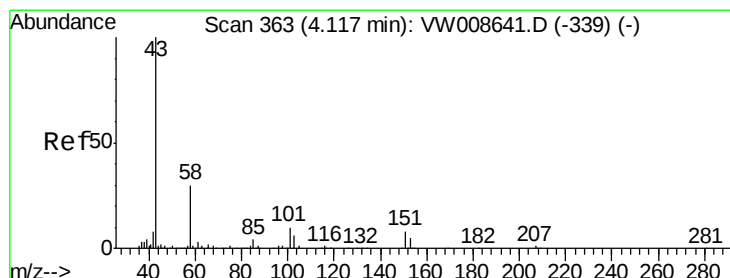
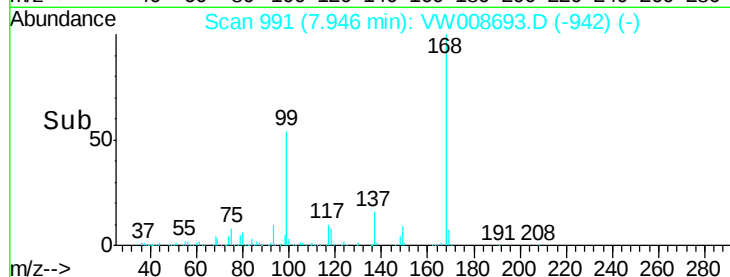
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 11.455 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008693.D

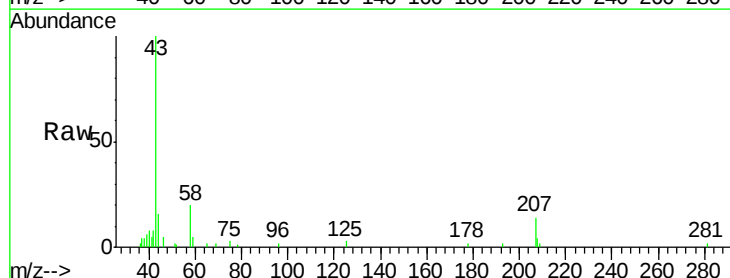
Acq: 15 Feb 2019 19:06

Tgt Ion: 43 Resp: 10295

Ion Ratio Lower Upper

43 100

58 20.2 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

4000

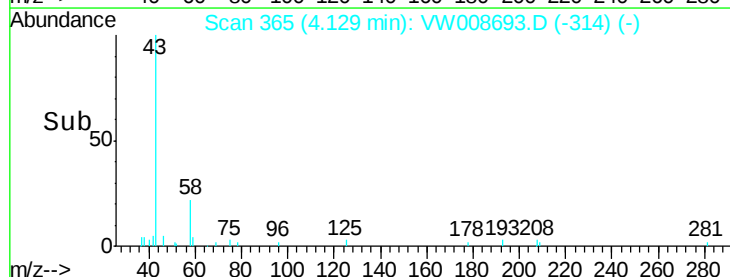
3000

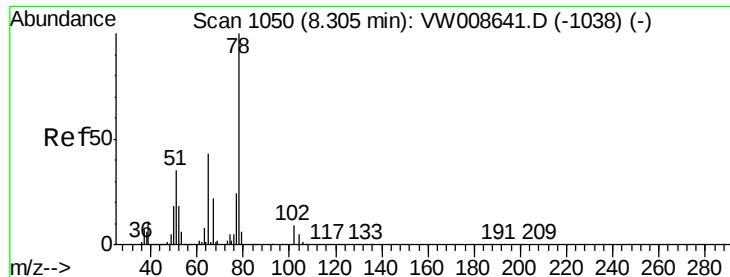
2000

1000

0

Time--> 4.00 4.05 4.10 4.15 4.20





#33

1,2-Dichloroethane-d4

Concen: 55.881 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA\_W

ClientSampled :

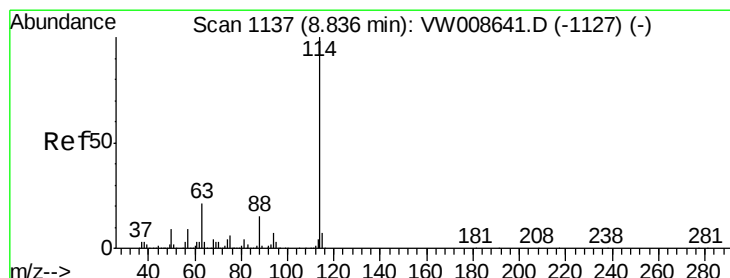
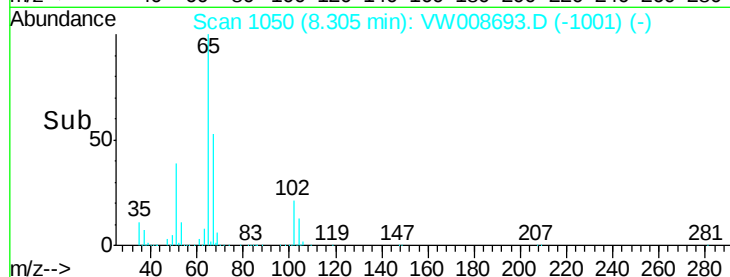
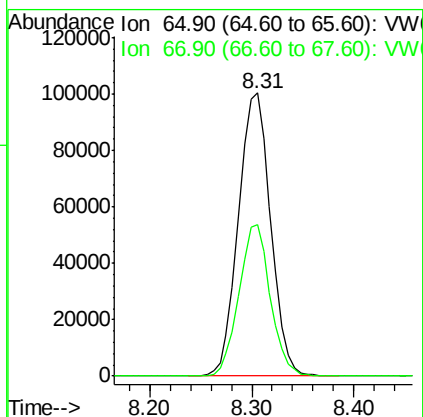
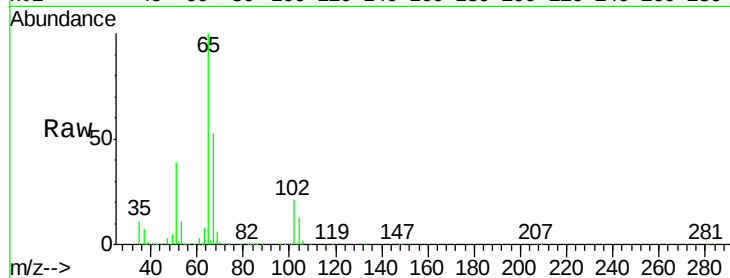
TS-4

Tot Ion: 65 Resp: 220693

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

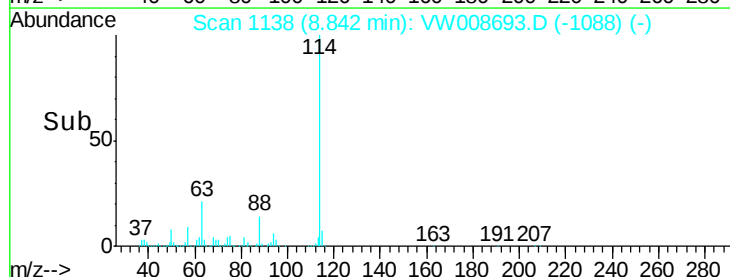
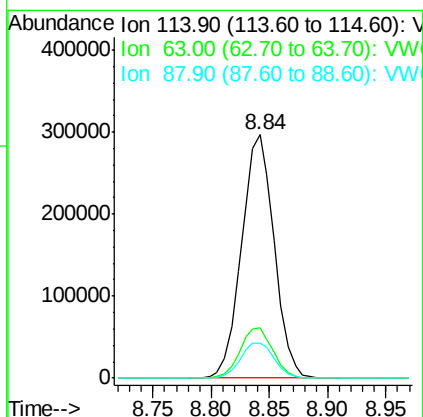
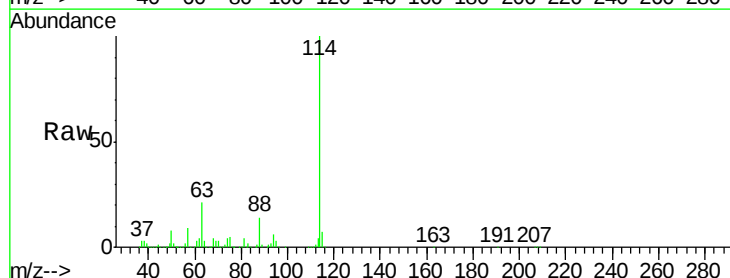
Tgt Ion: 114 Resp: 577841

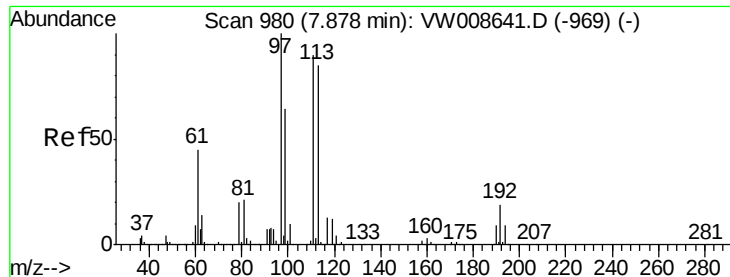
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.2

88 14.4 0.0 29.6

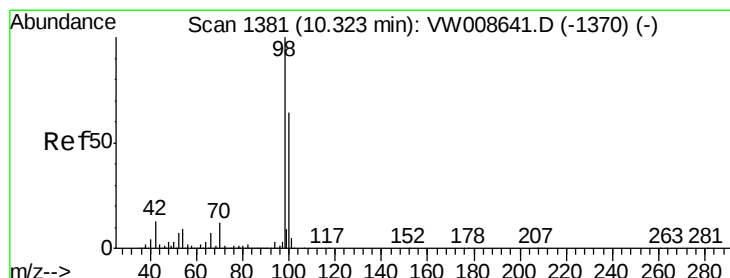
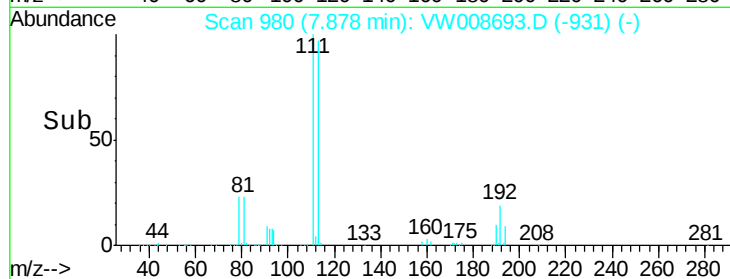
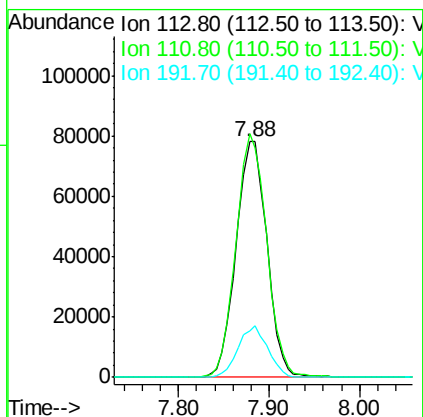
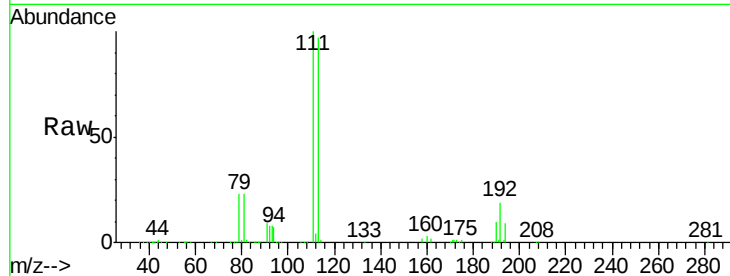




#35  
 Dibromofluoromethane  
 Concen: 51.687 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW008693.D  
 Acq: 15 Feb 2019 19:06

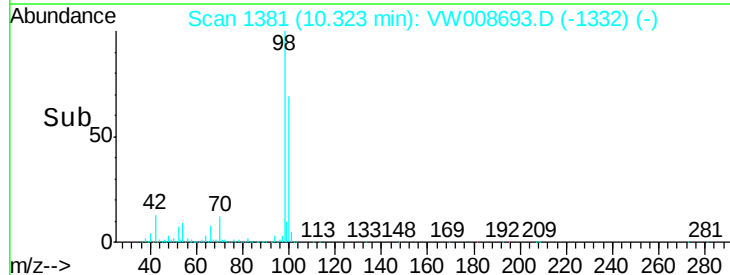
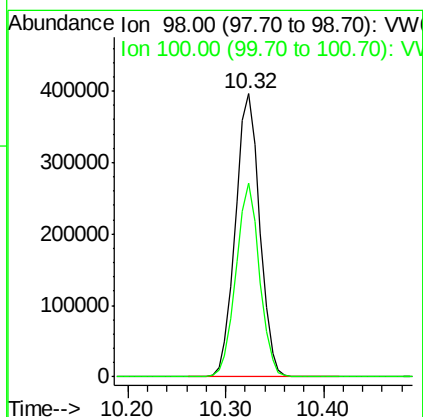
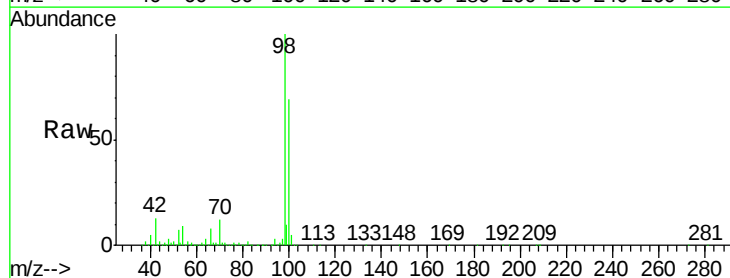
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 TS-4

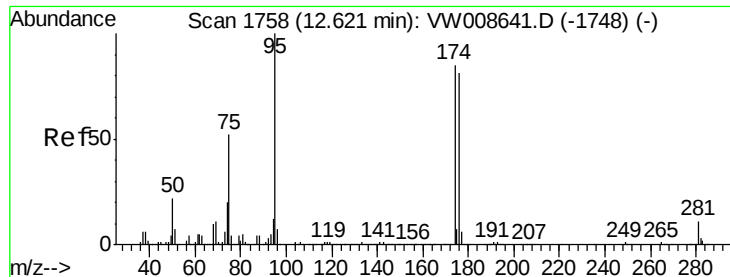
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 84.0  | 126.0 |
| 192     | 21.0  | 17.4  | 26.2  |



#50  
 Toluene-d8  
 Concen: 49.337 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW008693.D  
 Acq: 15 Feb 2019 19:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.2  | 52.2  | 78.4  |





#62

4-Bromofluorobenzene

Concen: 46.831 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA\_W

ClientSampled :

TS-4

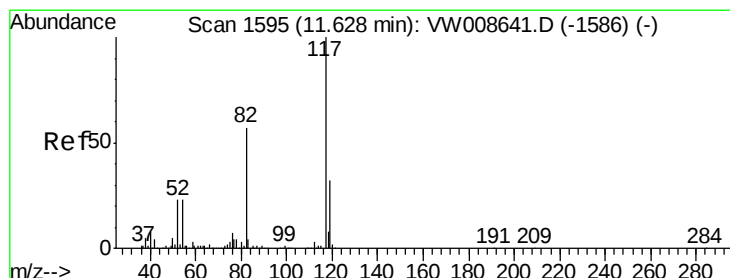
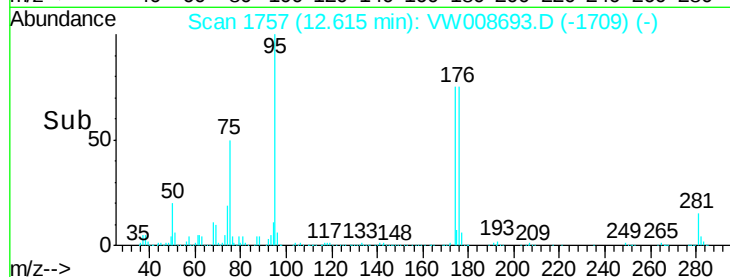
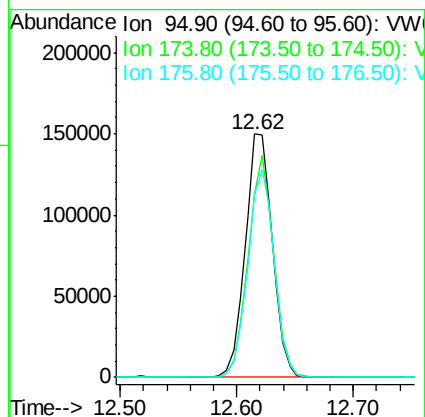
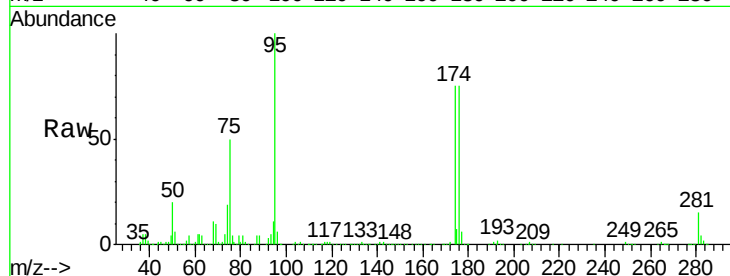
Tot Ion: 95 Resp: 243982

Ion Ratio Lower Upper

95 100

174 86.2 0.0 163.2

176 82.8 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

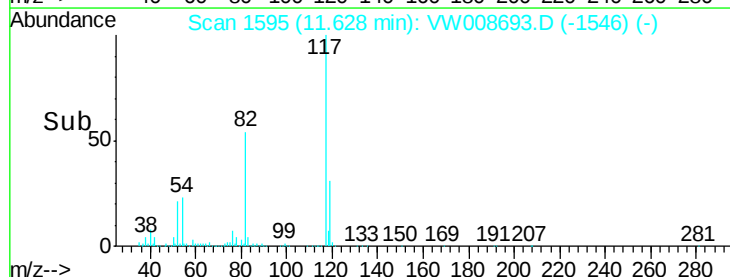
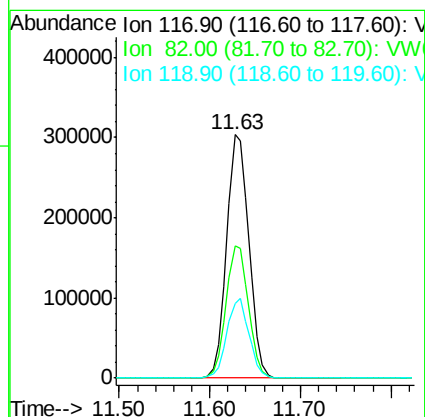
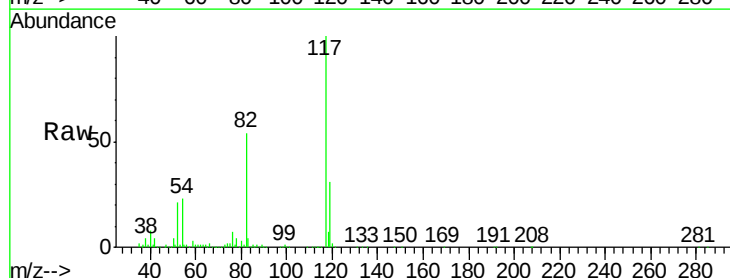
Tgt Ion: 117 Resp: 517234

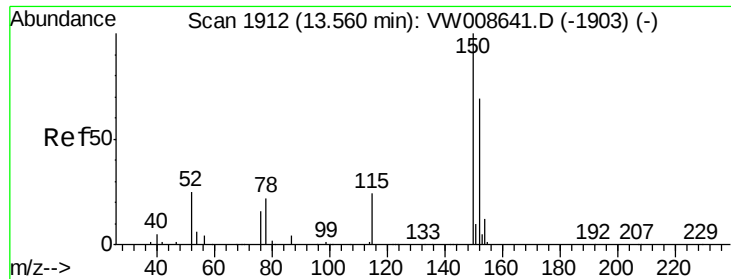
Ion Ratio Lower Upper

117 100

82 54.2 45.6 68.4

119 30.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA\_W

ClientSampleId :

TS-4

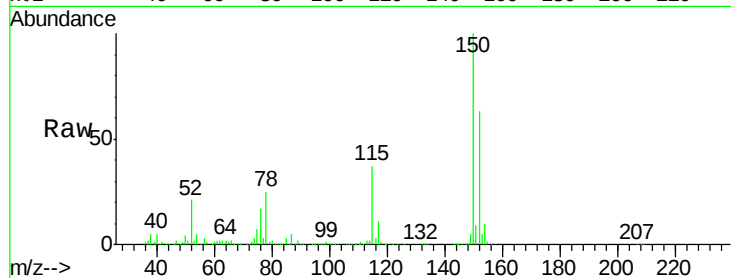
Tot Ion:152 Resp: 254789

Ion Ratio Lower Upper

152 100

115 57.9 29.3 87.8

150 157.0 0.0 352.8



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

