

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101018\  
 Data File : VW005994.D  
 Acq On : 10 Oct 2018 17:46  
 Operator : SY/AP  
 Sample : J5306-09  
 Misc : 5.46G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S-30-V

Quant Time: Oct 11 05:23:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

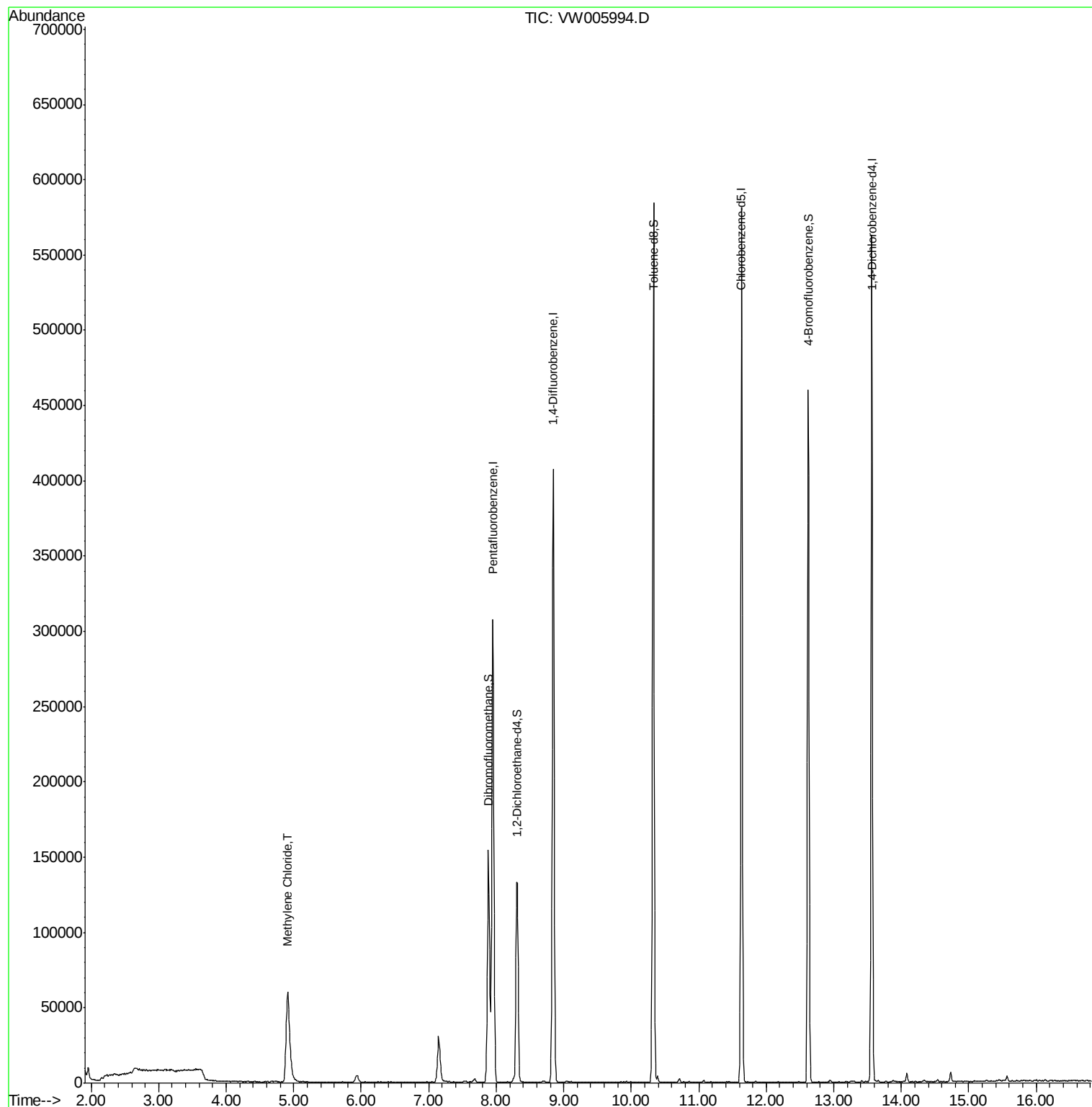
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 247528   | 50.00  | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 366775   | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 323967   | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 154334   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 107012   | 44.53  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.06% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 109180   | 46.62  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.24% |           |
| 50) Toluene-d8              | 10.33 | 98   | 403699   | 44.81  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.62% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 139909   | 40.82  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.64% |           |
| Target Compounds            |       |      |          |        |        |           |
| 20) Methylene Chloride      | 4.92  | 84   | 57250    | 23.807 | ug/l   | Qvalue 91 |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 09 02:14:04 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005994.D

Acq: 10 Oct 2018 17:46

Instrument :

MSVOA\_W

ClientSampleId :

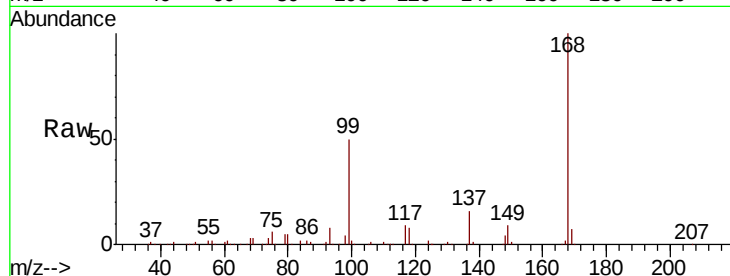
S-30-V

Tot Ion:168 Resp: 247528

Ion Ratio Lower Upper

168 100

99 49.6 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

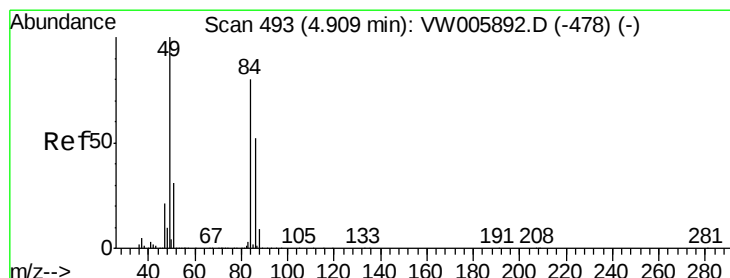
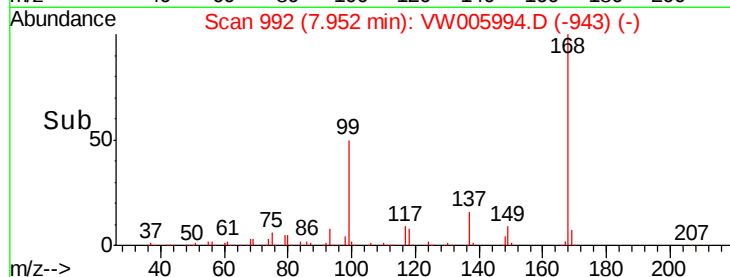
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 23.807 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW005994.D

Acq: 10 Oct 2018 17:46

Tgt Ion: 84 Resp: 57250

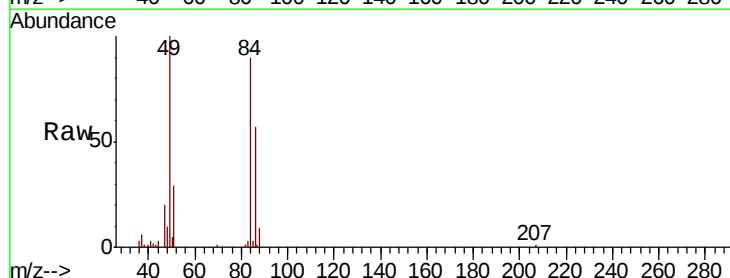
Ion Ratio Lower Upper

84 100

49 111.5 99.9 149.9

51 32.5 31.1 46.7

86 63.8 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

25000

20000

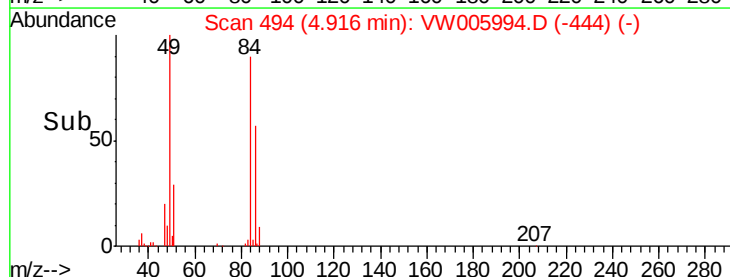
15000

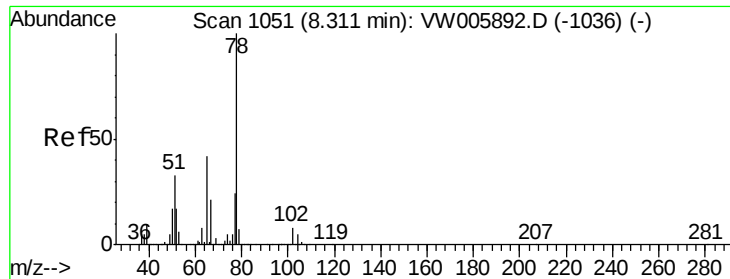
10000

5000

0

Time-->

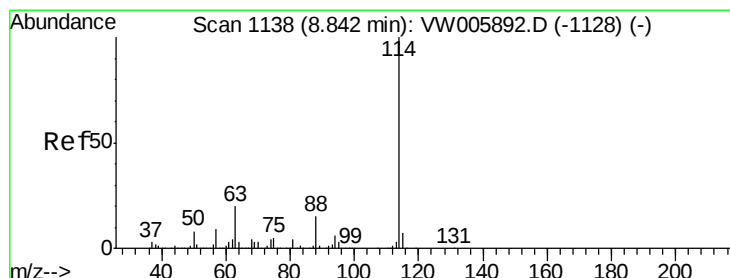
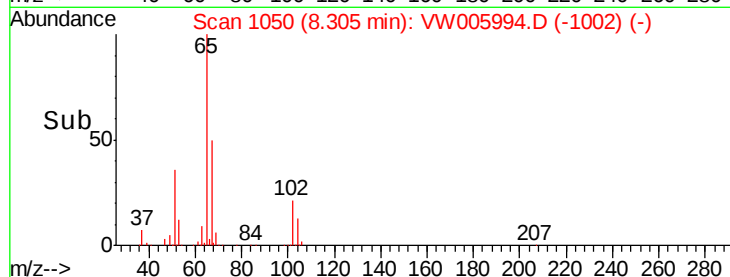
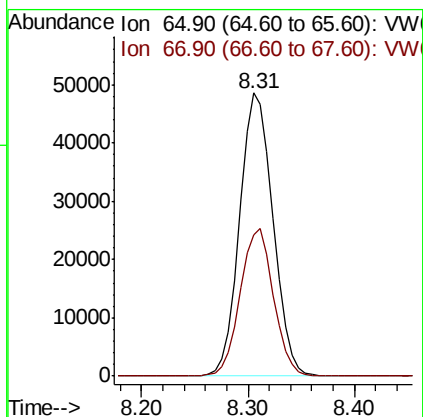
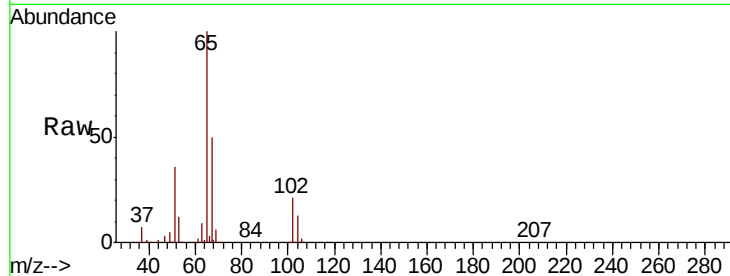




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.534 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW005994.D  
 Acq: 10 Oct 2018 17:46

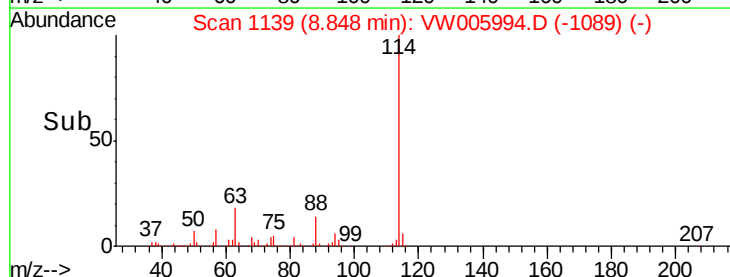
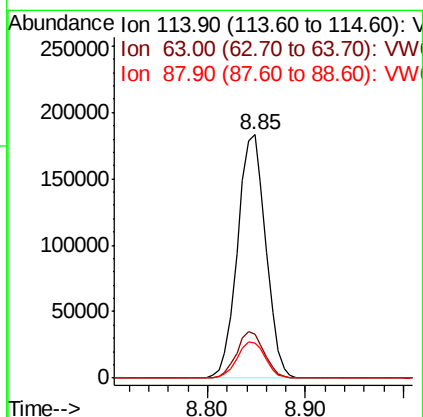
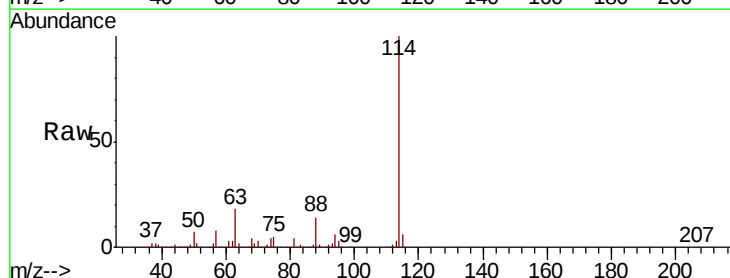
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 S-30-V

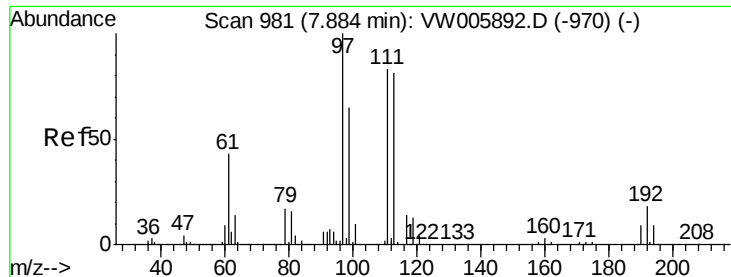
Tot Ion: 65 Resp: 107012  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW005994.D  
 Acq: 10 Oct 2018 17:46

Tgt Ion: 114 Resp: 366775  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 39.2  
 88 14.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 46.624 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW005994.D

Acq: 10 Oct 2018 17:46

Instrument :

MSVOA\_W

ClientSampled :

S-30-V

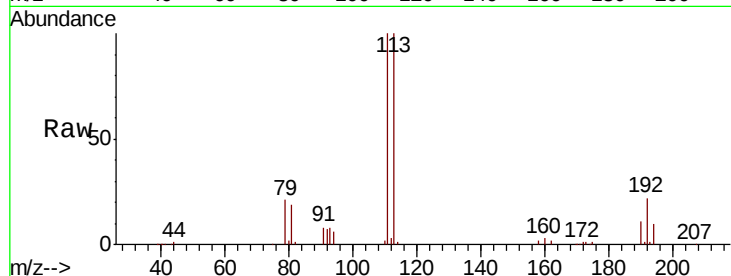
Tot Ion:113 Resp: 109180

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

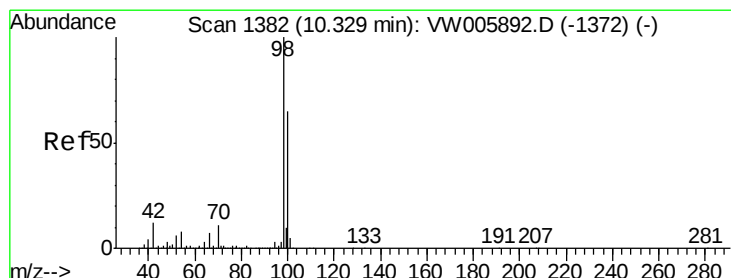
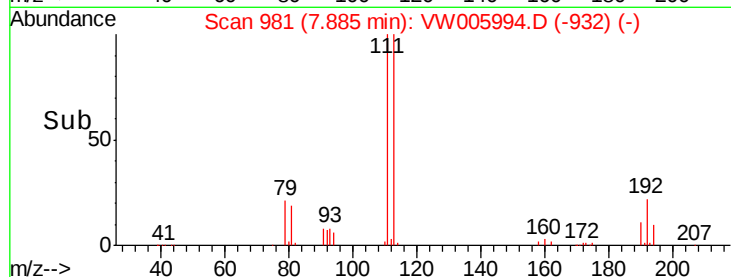
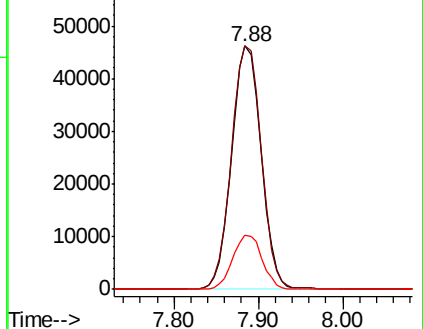
192 22.2 18.3 27.5



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: 44.808 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005994.D

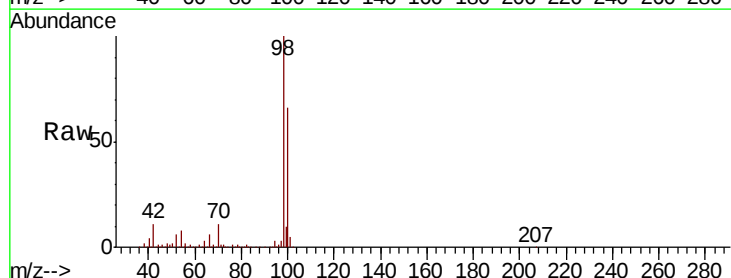
Acq: 10 Oct 2018 17:46

Tgt Ion: 98 Resp: 403699

Ion Ratio Lower Upper

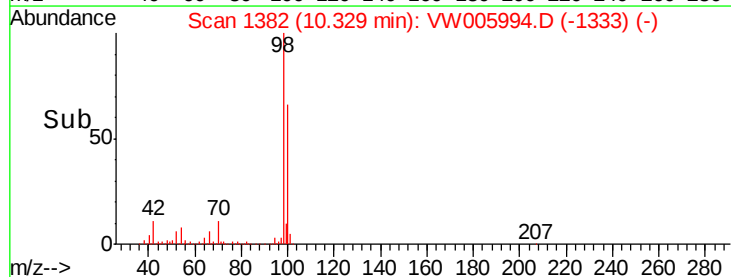
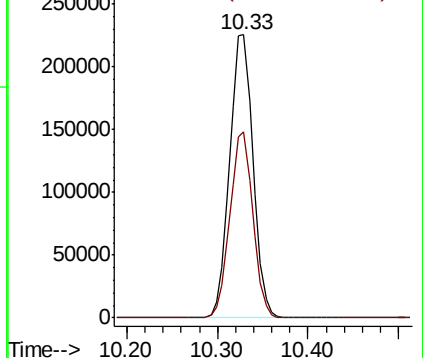
98 100

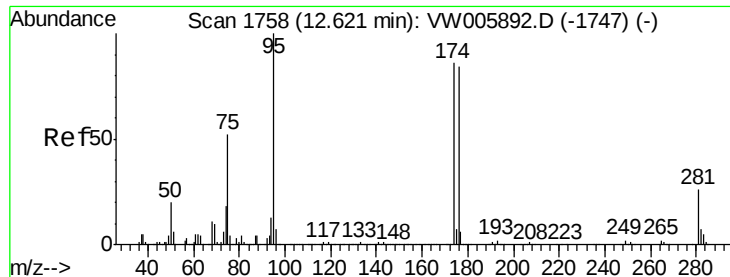
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

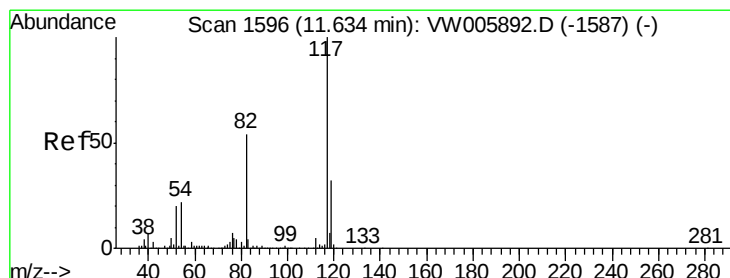
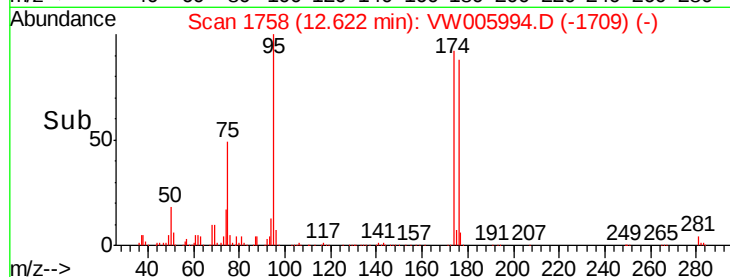
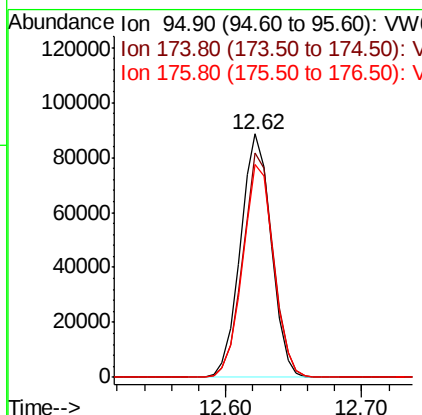
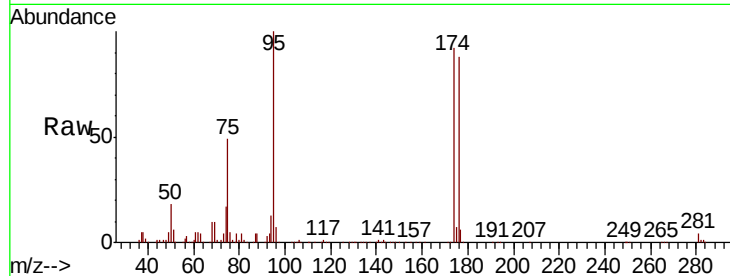




#62  
4-Bromofluorobenzene  
Concen: 40.816 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW005994.D  
Acq: 10 Oct 2018 17:46

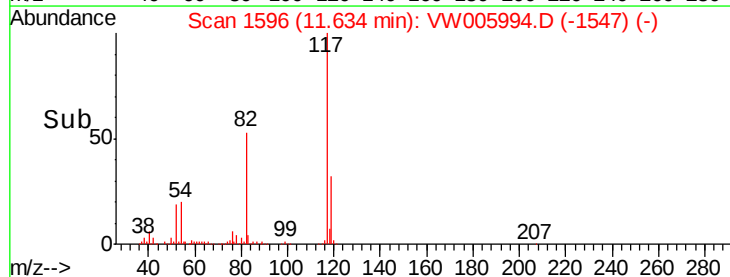
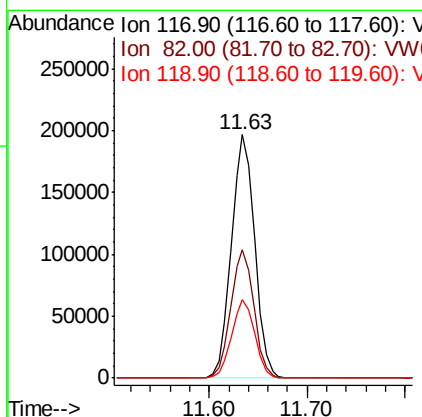
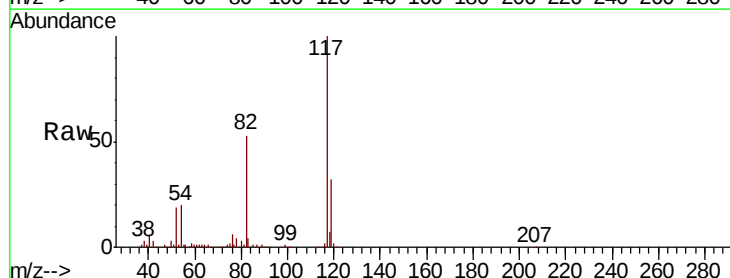
Instrument :  
MSVOA\_W  
ClientSampleId :  
S-30-V

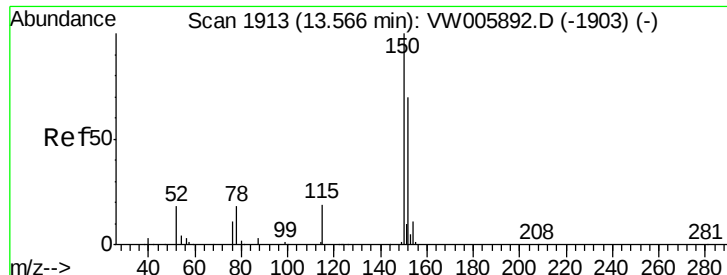
Tot Ion: 95 Resp: 139909  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 176.4  
176 88.6 0.0 173.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW005994.D  
Acq: 10 Oct 2018 17:46

Tgt Ion: 117 Resp: 323967  
Ion Ratio Lower Upper  
117 100  
82 52.7 43.5 65.3  
119 32.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW005994.D

Acq: 10 Oct 2018 17:46

Instrument :

MSVOA\_W

ClientSampleId :

S-30-V

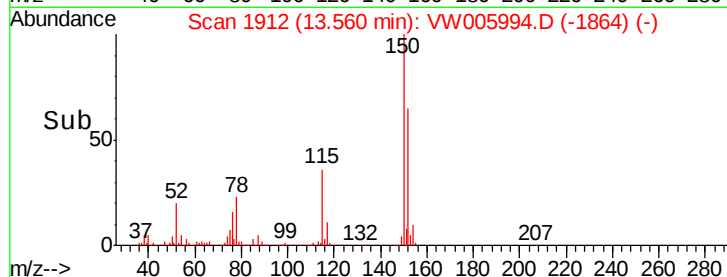
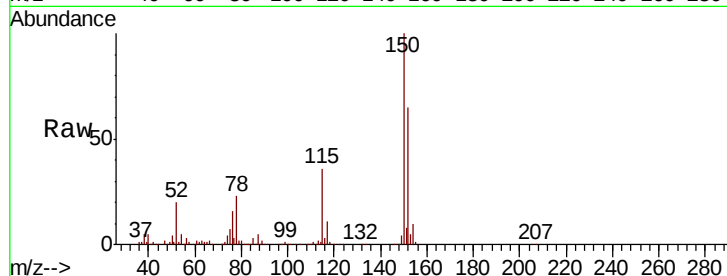
Tot Ion:152 Resp: 154334

Ion Ratio Lower Upper

152 100

115 55.1 28.3 85.0

150 155.7 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

200000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

