

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\  
 Data File : VW008713.D  
 Acq On : 16 Feb 2019 05:43  
 Operator : SY/VA  
 Sample : K1508-07  
 Misc : 4.88G/5ML/MSVOA W/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 M-12-D

Quant Time: Feb 18 08:04:50 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

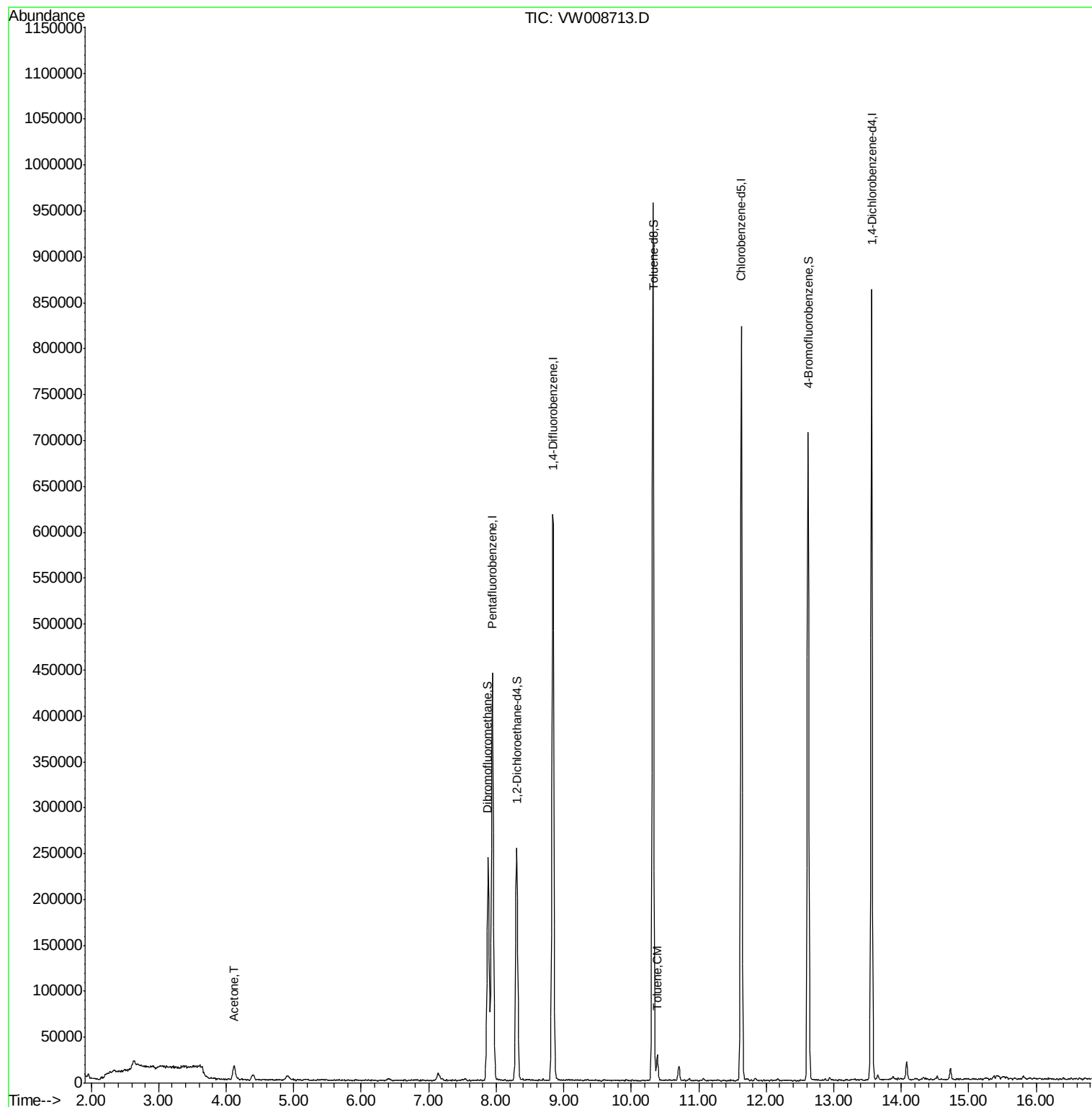
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 345300   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 522509   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 453402   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 221311   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 191261   | 53.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.56% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 165237   | 50.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.86% |          |
| 50) Toluene-d8              | 10.32 | 98   | 618846   | 49.48  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.96%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 213717   | 45.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.74%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 27226    | 33.329 | ug/l    | 91       |
| 52) Toluene                 | 10.39 | 92   | 11295    | 1.221  | ug/l    | 96       |

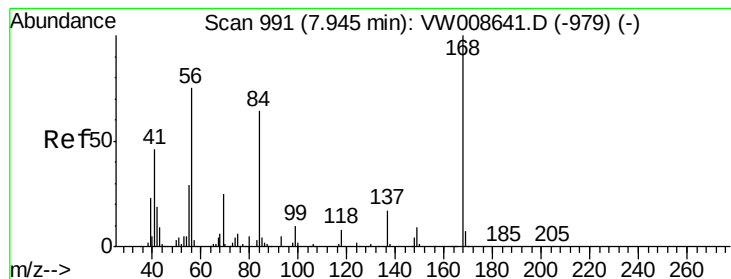
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021519\  
Data File : VW008713.D  
Acq On : 16 Feb 2019 05:43  
Operator : SY/VA  
Sample : K1508-07  
Misc : 4.88G/5ML/MSVOA W/SOIL  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
M-12-D

Quant Time: Feb 18 08:04:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
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: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA\_W

ClientSampleId :

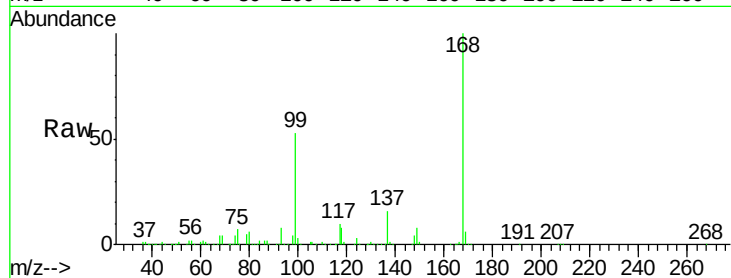
M-12-D

Tot Ion:168 Resp: 345300

Ion Ratio Lower Upper

168 100

99 52.6 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

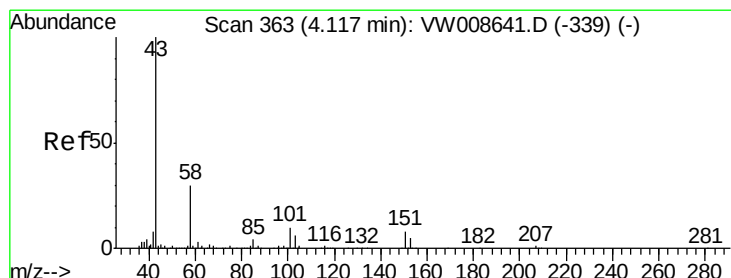
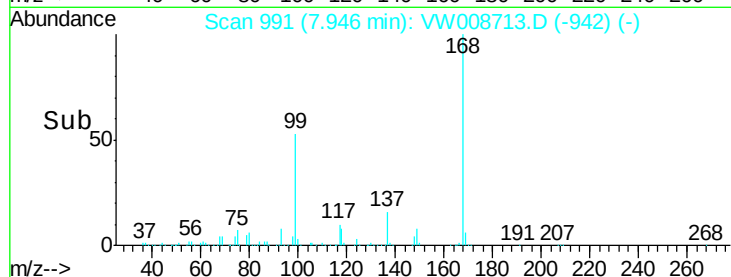
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 33.329 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008713.D

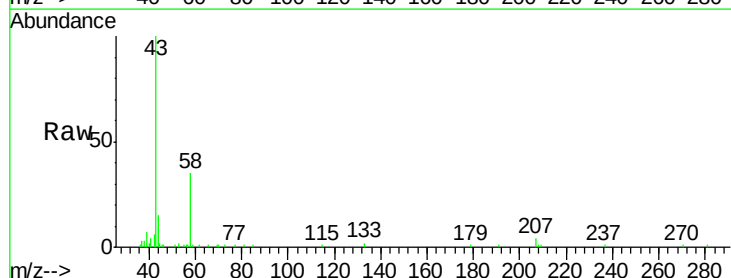
Acq: 16 Feb 2019 05:43

Tgt Ion: 43 Resp: 27226

Ion Ratio Lower Upper

43 100

58 35.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

10000

8000

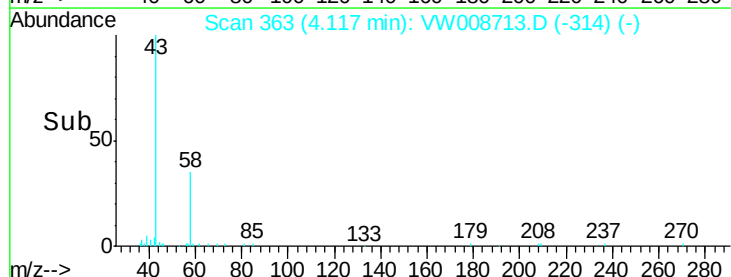
6000

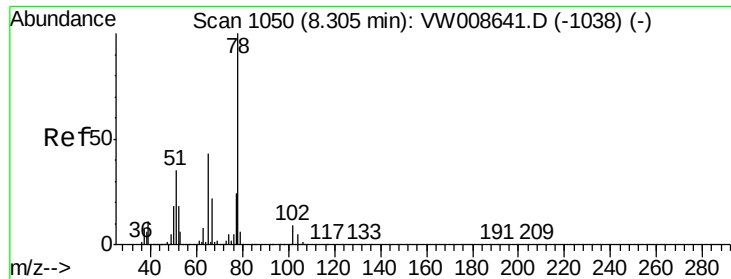
4000

2000

0

Time-->

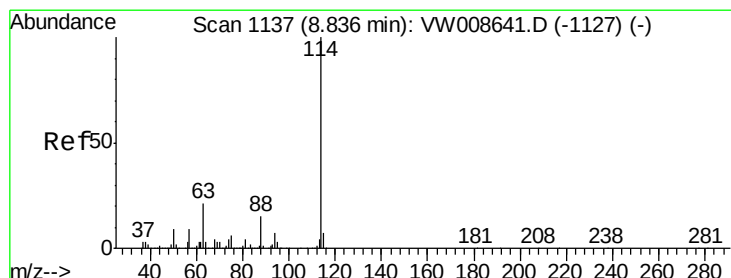
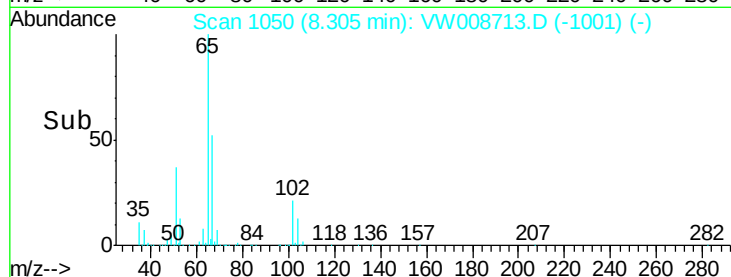
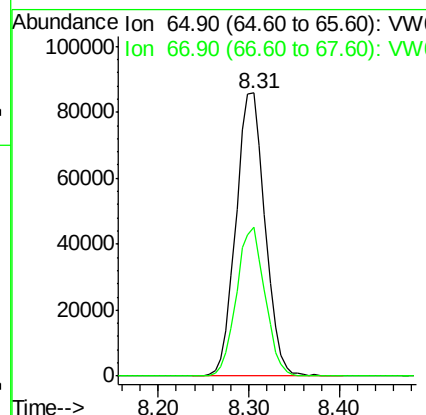
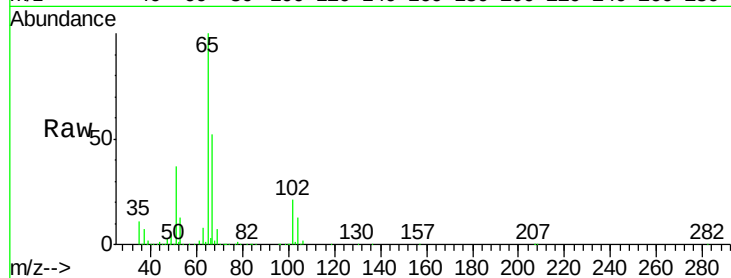




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.278 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW008713.D  
 Acq: 16 Feb 2019 05:43

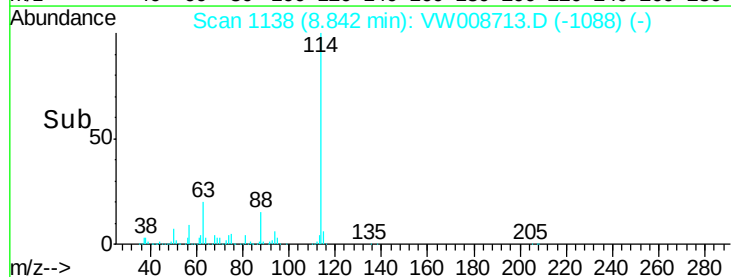
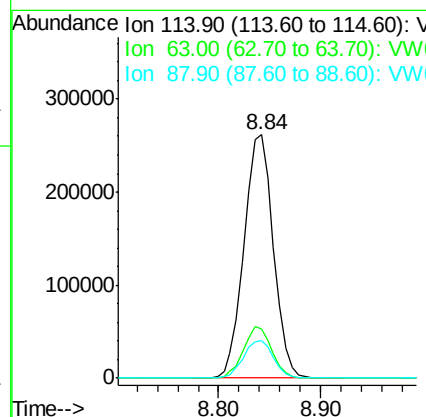
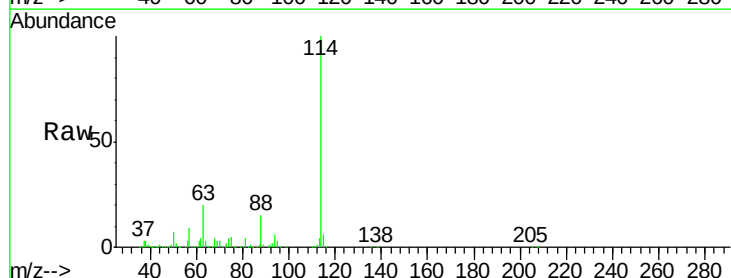
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 M-12-D

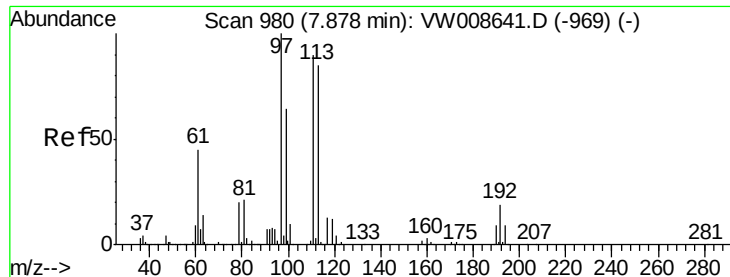
Tot Ion: 65 Resp: 191261  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.01 min  
 Lab File: VW008713.D  
 Acq: 16 Feb 2019 05:43

Tgt Ion: 114 Resp: 522509  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 41.2  
 88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.929 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA\_W

ClientSampleId :

M-12-D

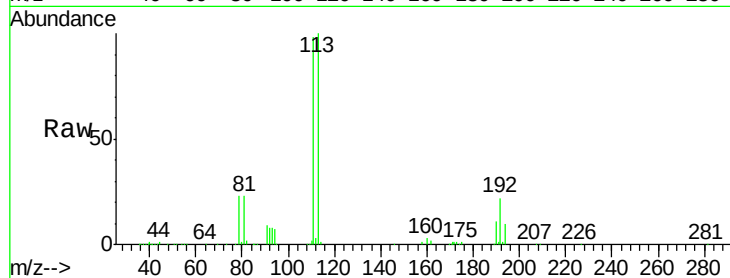
Tot Ion:113 Resp: 165237

Ion Ratio Lower Upper

113 100

111 101.5 84.0 126.0

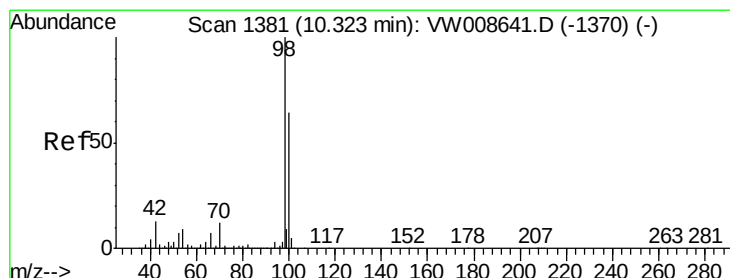
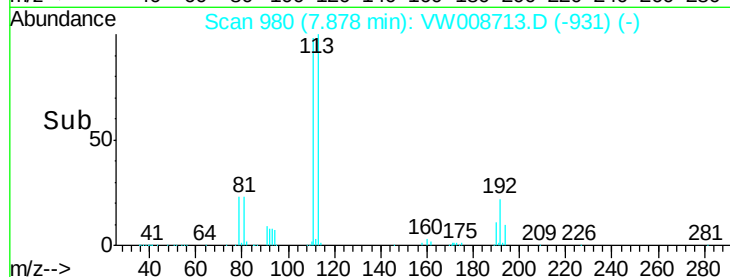
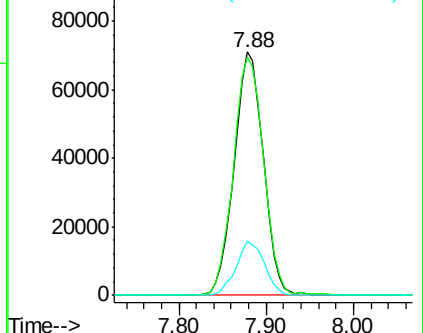
192 21.6 17.4 26.2



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: 49.480 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008713.D

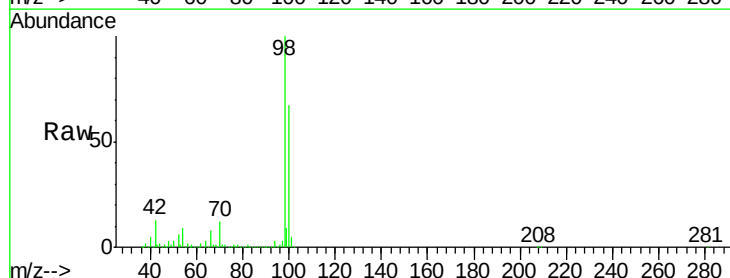
Acq: 16 Feb 2019 05:43

Tgt Ion: 98 Resp: 618846

Ion Ratio Lower Upper

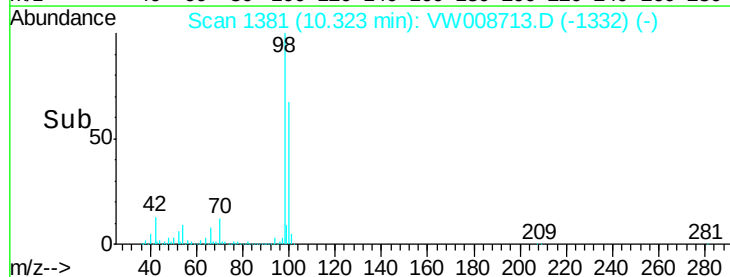
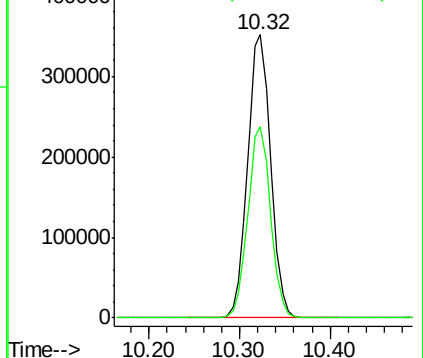
98 100

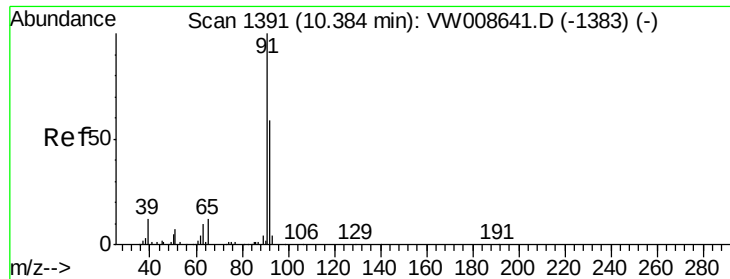
100 66.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.221 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

Instrument :

MSVOA\_W

ClientSampleId :

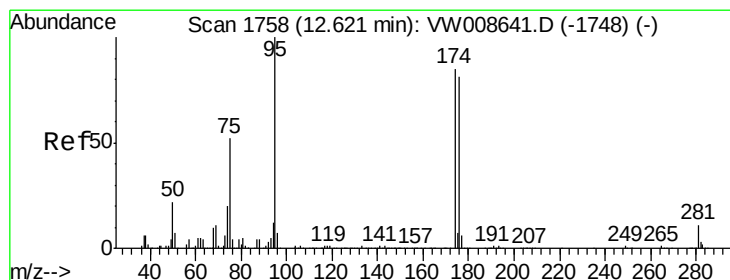
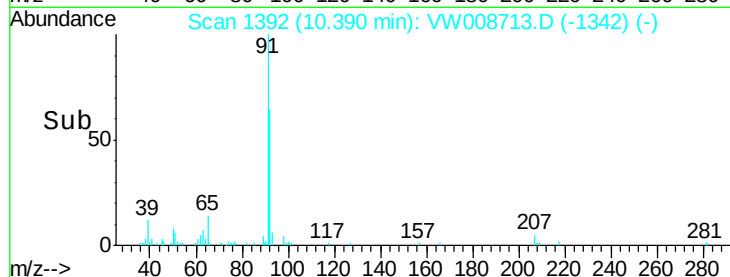
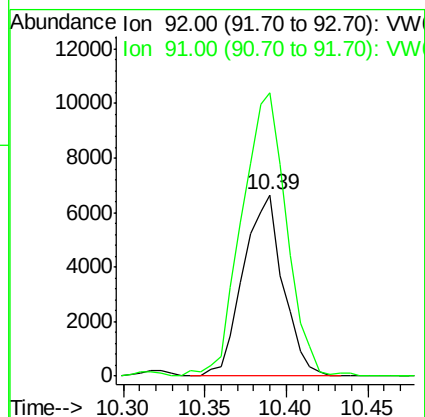
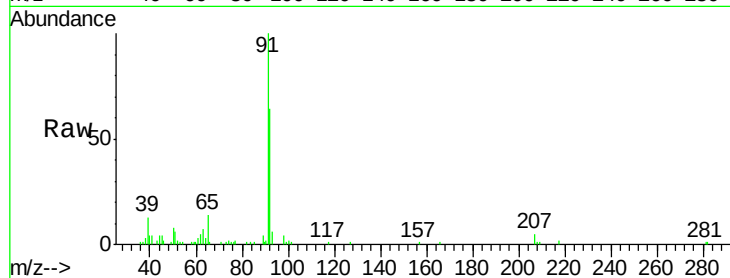
M-12-D

Tot Ion: 92 Resp: 11295

Ion Ratio Lower Upper

92 100

91 175.4 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 45.366 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008713.D

Acq: 16 Feb 2019 05:43

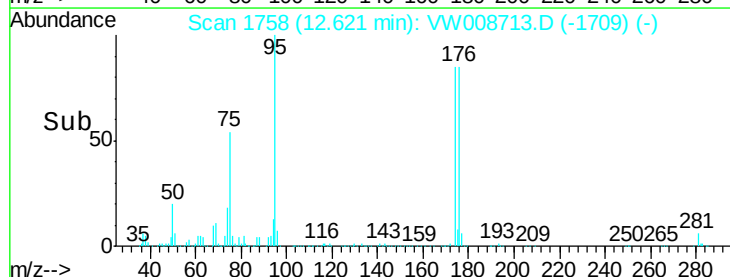
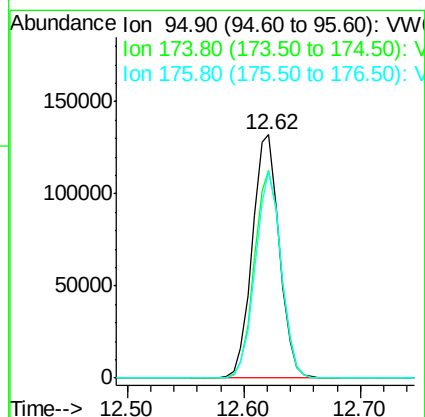
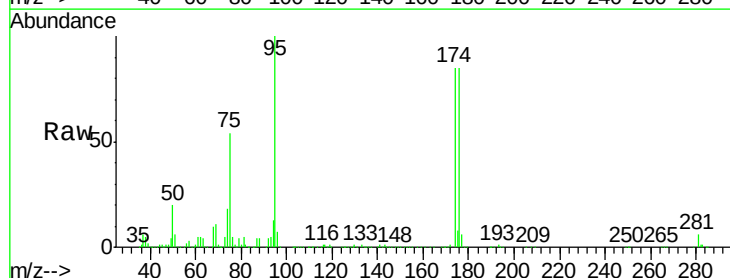
Tgt Ion: 95 Resp: 213717

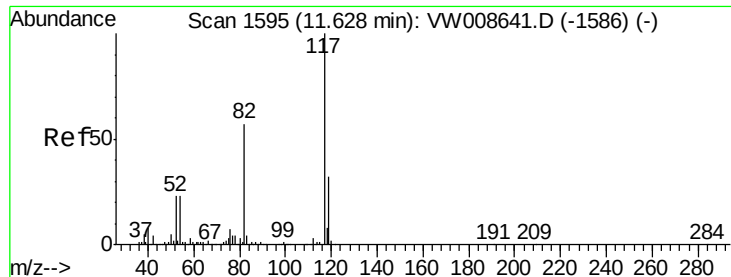
Ion Ratio Lower Upper

95 100

174 84.7 0.0 163.2

176 81.7 0.0 158.0

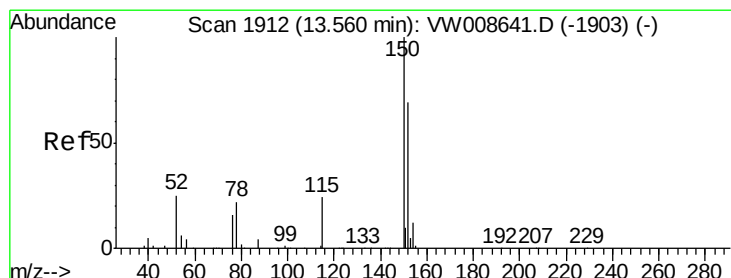
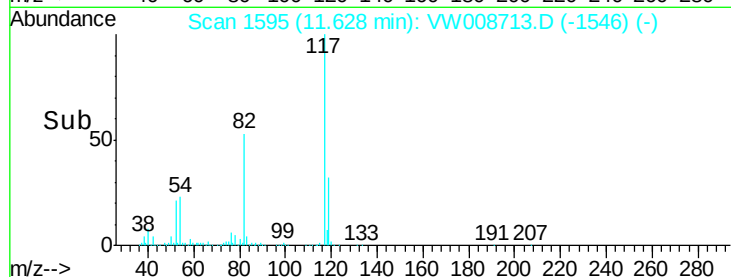
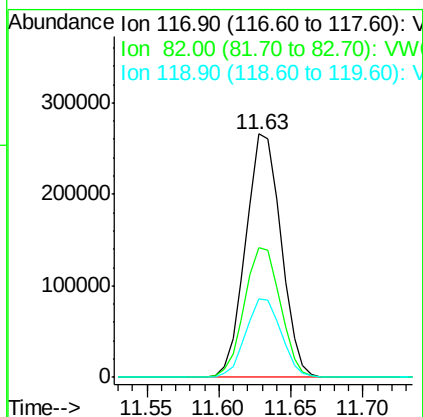
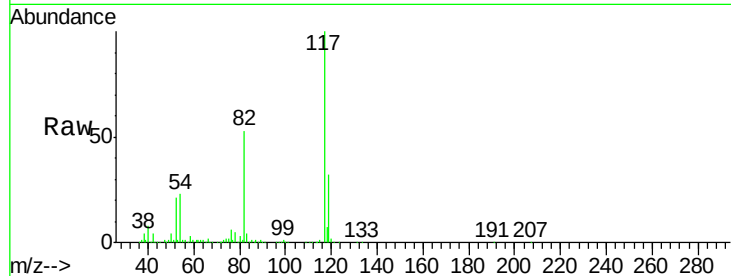




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW008713.D  
Acq: 16 Feb 2019 05:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
M-12-D

Tot Ion:117 Resp: 453402  
Ion Ratio Lower Upper  
117 100  
82 53.3 45.6 68.4  
119 32.1 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: VW008713.D  
Acq: 16 Feb 2019 05:43

Tgt Ion:152 Resp: 221311  
Ion Ratio Lower Upper  
152 100  
115 57.8 29.3 87.8  
150 155.2 0.0 352.8

