

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\  
 Data File : VW004847.D  
 Acq On : 21 Aug 2018 17:45  
 Operator : SY/AP  
 Sample : J4499-02RE  
 Misc : 5.03G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LSB-02(0-1)RE

Quant Time: Aug 22 06:49:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081918S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 18 01:49:53 2018  
 Response via : Initial Calibration

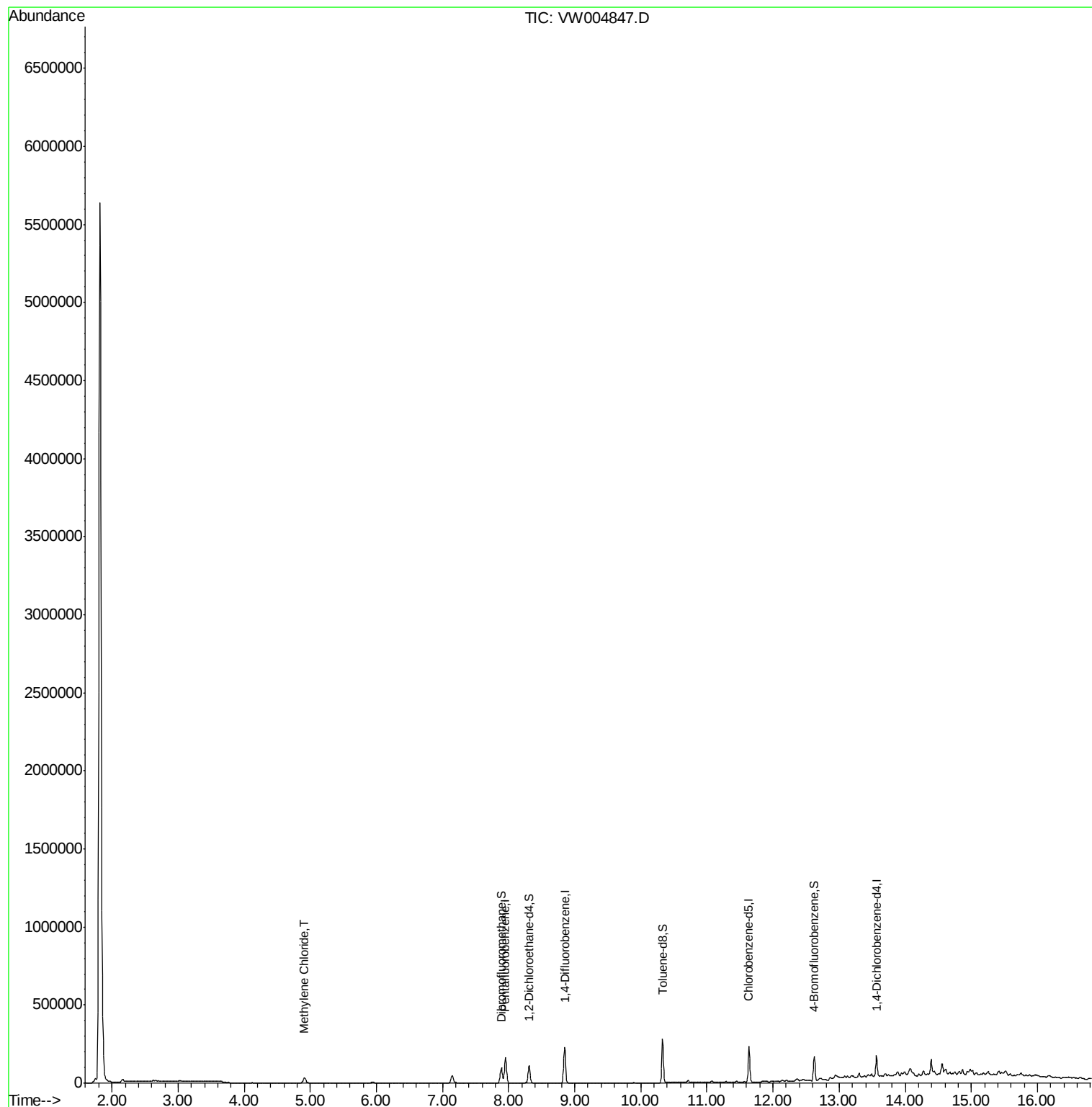
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 127372   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 193896   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 136152   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 38329    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 86459    | 70.21 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 140.42% |           |
| 35) Dibromofluoromethane    | 7.89  | 113  | 73103    | 58.99 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.98% |           |
| 50) Toluene-d8              | 10.33 | 98   | 190705   | 39.42 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 78.84%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 45979    | 26.42 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 52.84%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.92  | 84   | 24792    | 14.18 | ug/l    | Qvalue 96 |

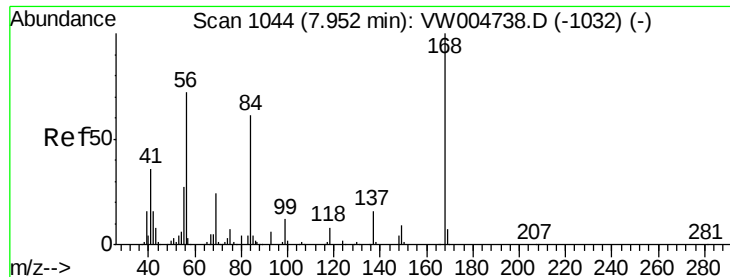
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 18 01:49:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA\_W

ClientSampleId :

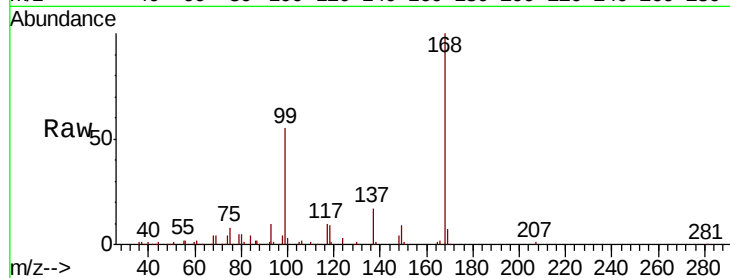
LSB-02(0-1)RE

Tot Ion:168 Resp: 127372

Ion Ratio Lower Upper

168 100

99 54.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

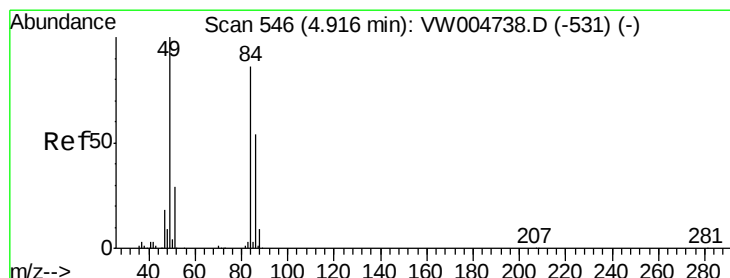
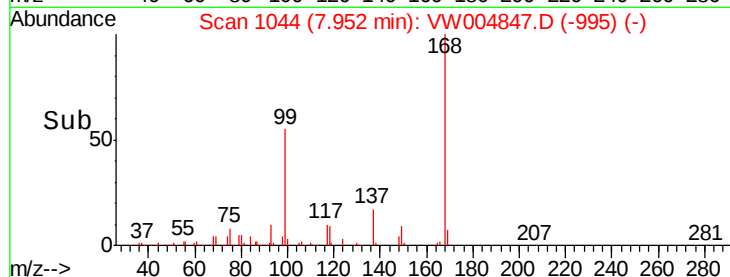
40000

20000

0

7.90 8.00

Time-->



#20

Methylene Chloride

Concen: 14.18 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Tgt Ion: 84 Resp: 24792

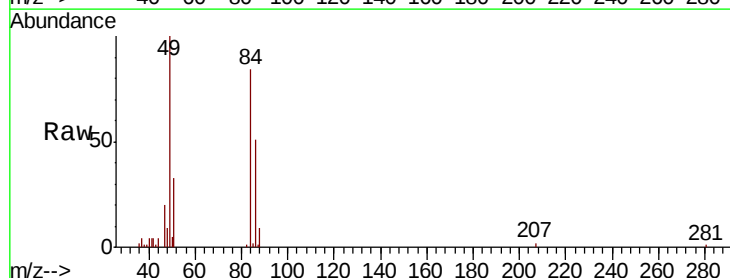
Ion Ratio Lower Upper

84 100

49 119.4 93.2 139.8

51 39.2 27.4 41.0

86 60.5 50.6 75.8



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

15000

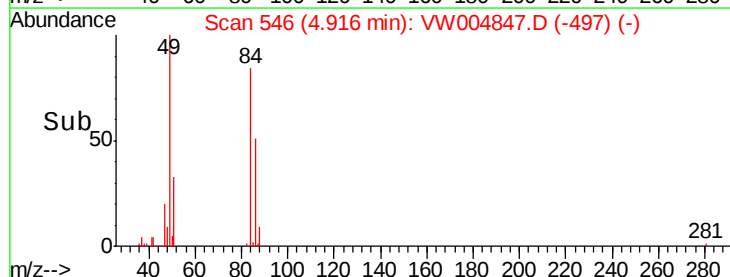
10000

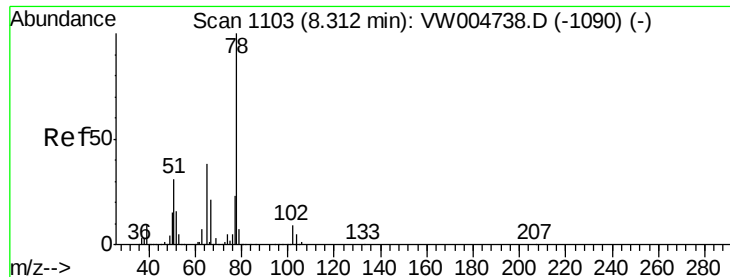
5000

0

4.80 4.90 5.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 70.21 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA\_W

ClientSampleId :

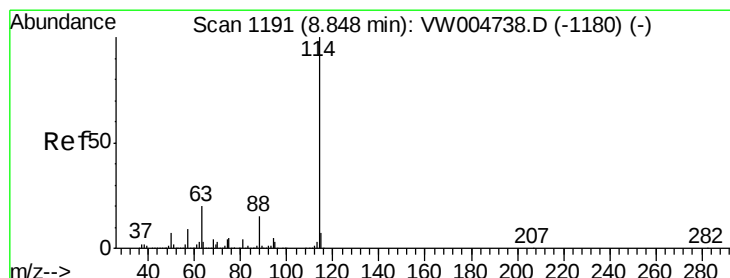
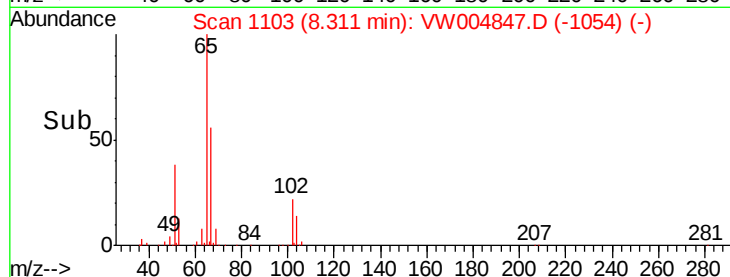
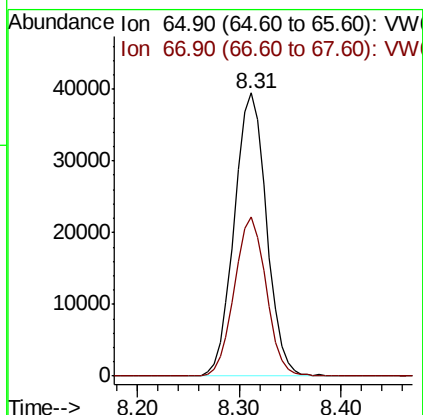
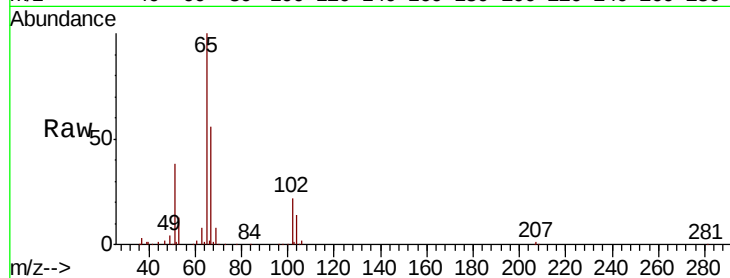
LSB-02(0-1)RE

Tot Ion: 65 Resp: 86459

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

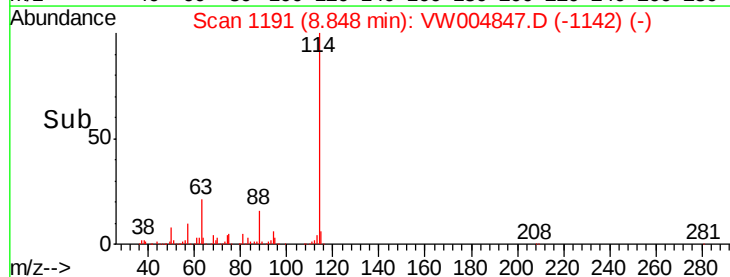
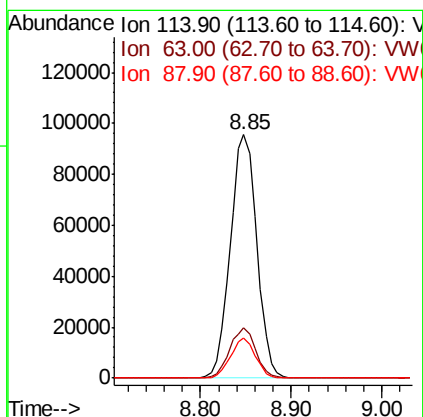
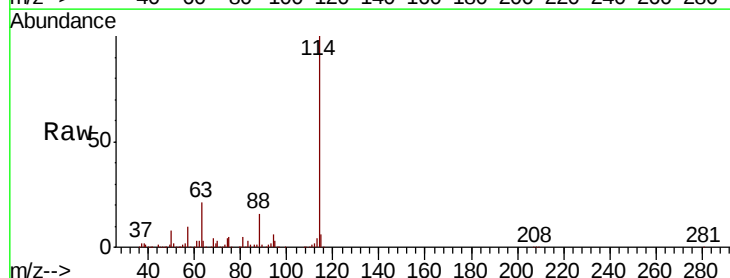
Tgt Ion: 114 Resp: 193896

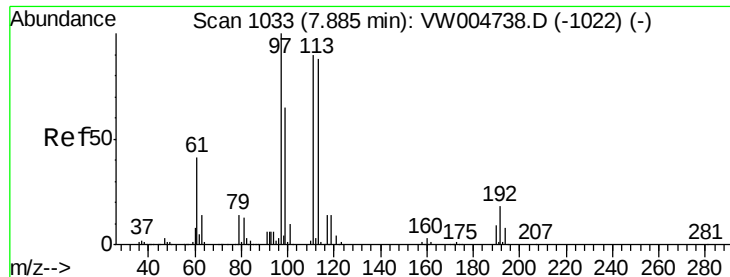
Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 16.5 0.0 30.0

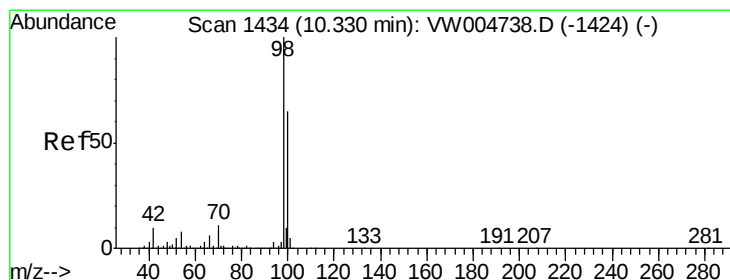
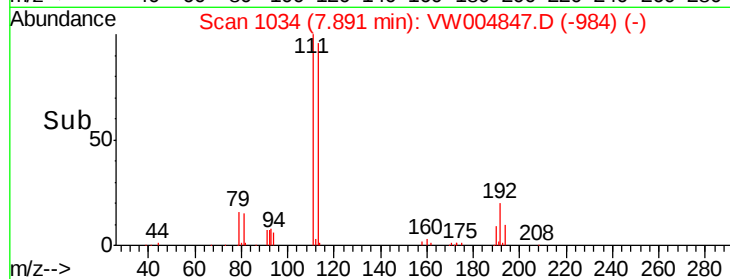
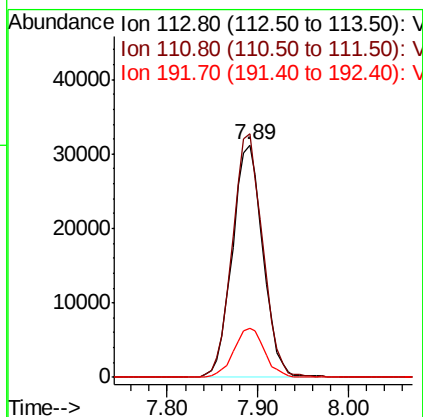
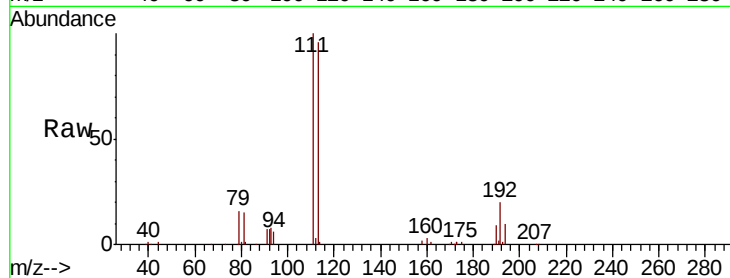




#35  
 Dibromofluoromethane  
 Concen: 58.99 ug/l  
 RT: 7.89 min Scan# 1034  
 Delta R.T. 0.01 min  
 Lab File: VW004847.D  
 Acq: 21 Aug 2018 17:45

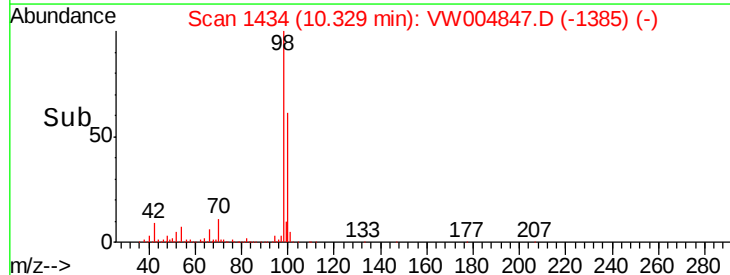
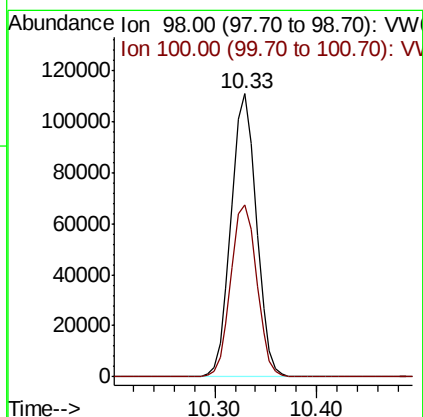
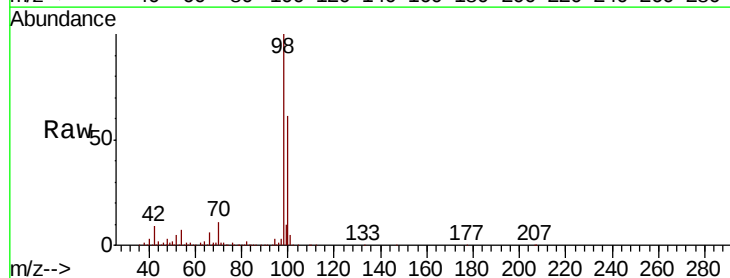
Instrument :  
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 LSB-02(0-1)RE

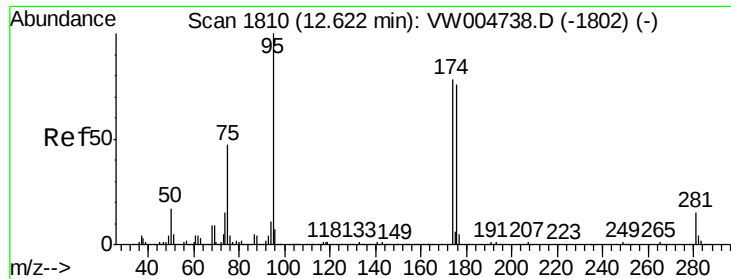
Tot Ion:113 Resp: 73103  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 82.4 123.6  
 192 21.0 16.7 25.1



#50  
 Toluene-d8  
 Concen: 39.42 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW004847.D  
 Acq: 21 Aug 2018 17:45

Tgt Ion: 98 Resp: 190705  
 Ion Ratio Lower Upper  
 98 100  
 100 62.4 51.8 77.8

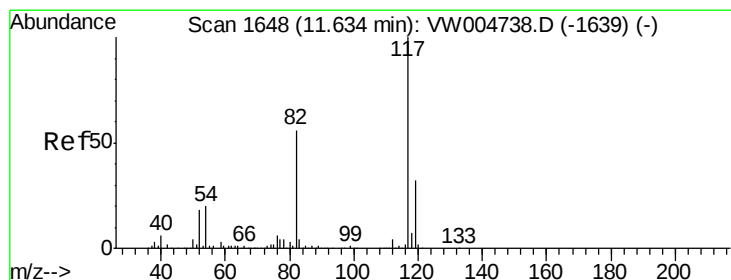
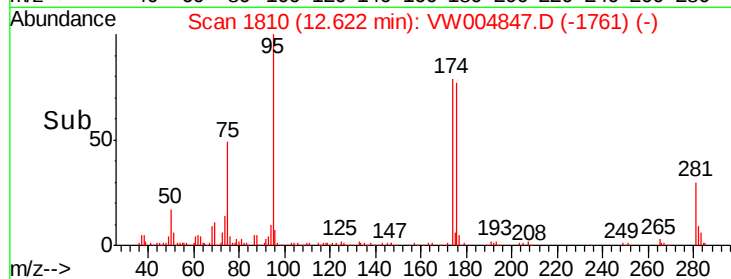
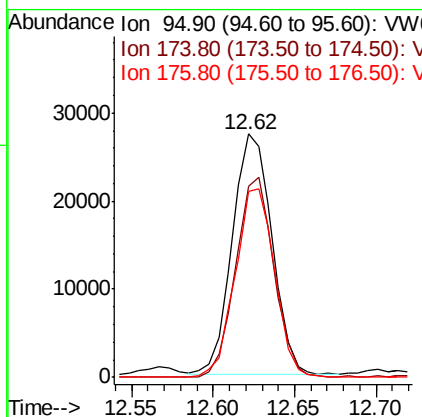
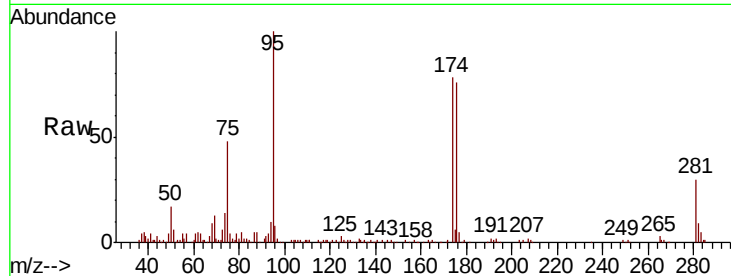




#62  
4-Bromofluorobenzene  
Concen: 26.42 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. -0.00 min  
Lab File: VW004847.D  
Acq: 21 Aug 2018 17:45

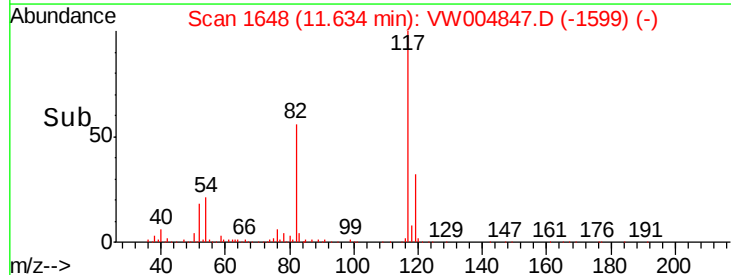
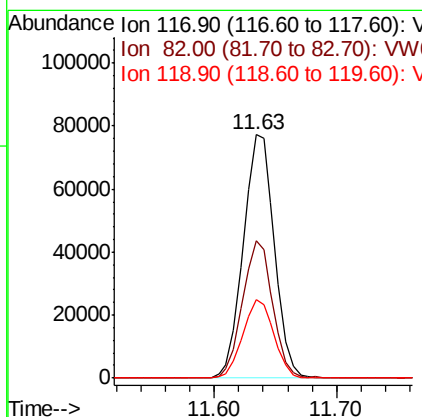
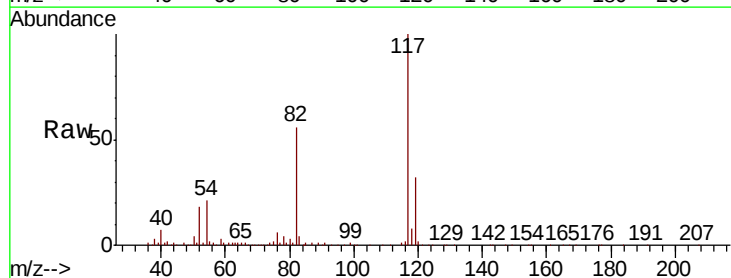
Instrument :  
MSVOA\_W  
ClientSampleId :  
LSB-02(0-1)RE

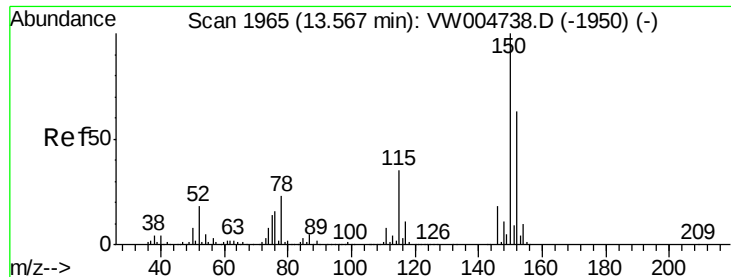
Tot Ion: 95 Resp: 45979  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 165.8  
176 78.6 0.0 159.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW004847.D  
Acq: 21 Aug 2018 17:45

Tgt Ion: 117 Resp: 136152  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.6 67.0  
119 32.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004847.D

Acq: 21 Aug 2018 17:45

Instrument :

MSVOA\_W

ClientSampleId :

LSB-02(0-1)RE

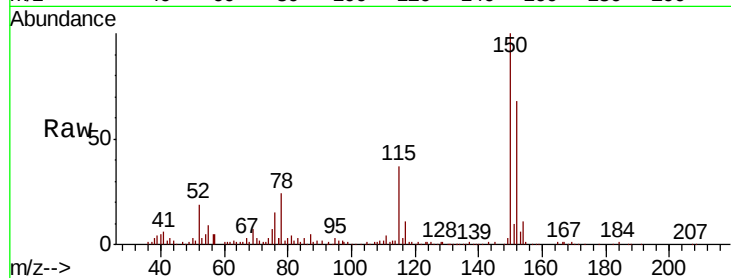
Tot Ion:152 Resp: 38329

Ion Ratio Lower Upper

152 100

115 58.2 28.5 85.5

150 155.2 0.0 344.8



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

