

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\  
 Data File : VW008553.D  
 Acq On : 07 Feb 2019 15:28  
 Operator : SY/VA  
 Sample : K1390-03  
 Misc : 6.55G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-03(12-13)

Quant Time: Feb 08 23:16:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

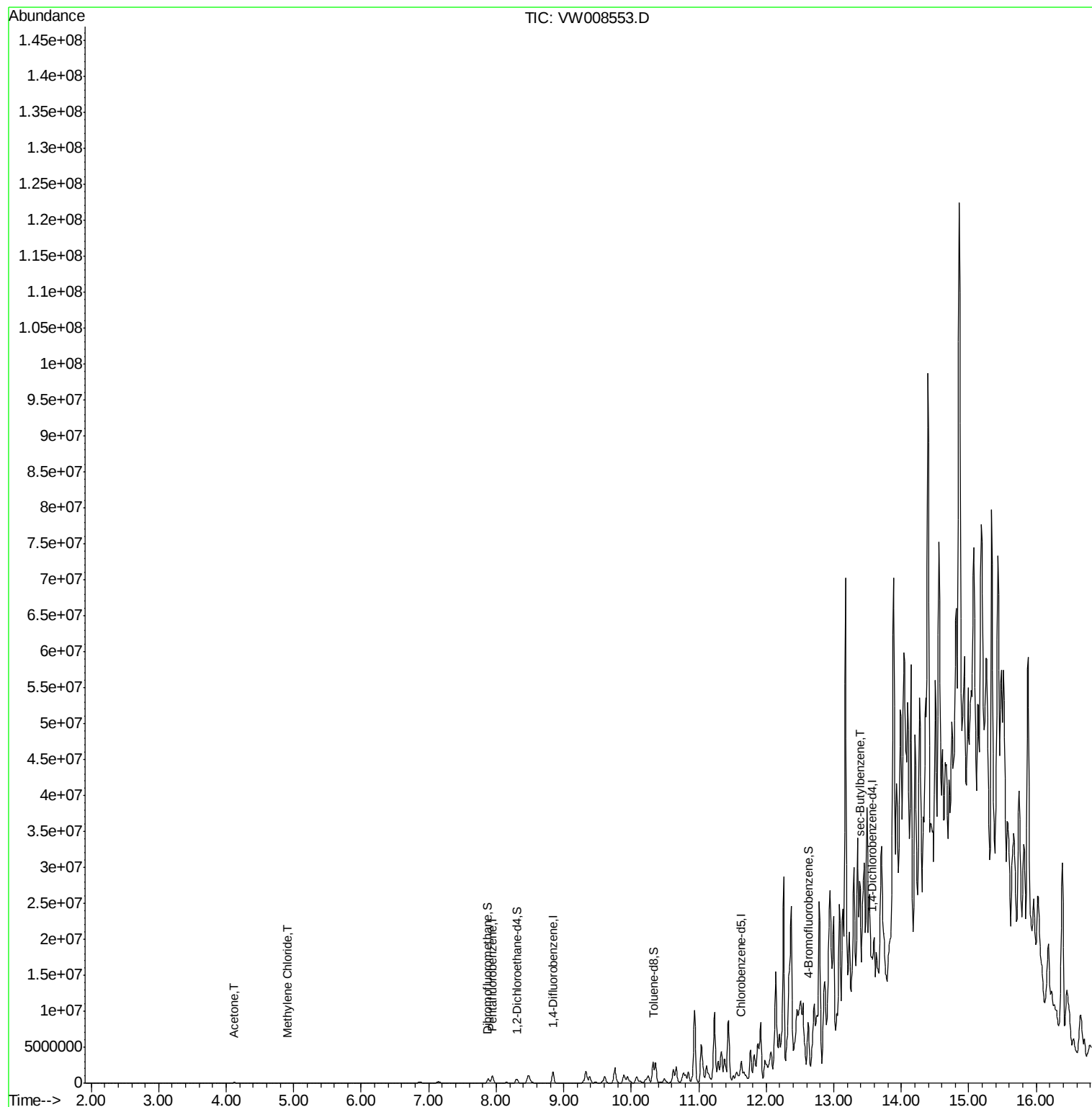
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 773162   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 1295905  | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 1148141  | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 775971   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 461410   | 60.75  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 121.50% |            |
| 35) Dibromofluoromethane    | 7.88  | 113  | 402815   | 53.16  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.32% |            |
| 50) Toluene-d8              | 10.32 | 98   | 1652623  | 54.39  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.78% |            |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 916442   | 78.46  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 156.92% |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 4.12  | 43   | 124839   | 73.189 | ug/l    | Qvalue 100 |
| 20) Methylene Chloride      | 4.90  | 84   | 38007    | 4.834  | ug/l    | 91         |
| 85) sec-Butylbenzene        | 13.39 | 105  | 5194800  | 84.536 | ug/l    | 90         |

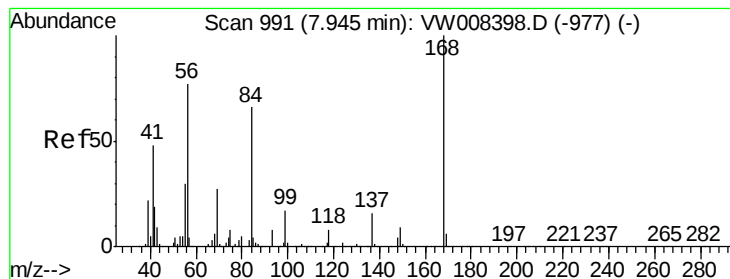
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\  
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Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-03(12-13)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 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: VW008553.D

Acq: 07 Feb 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

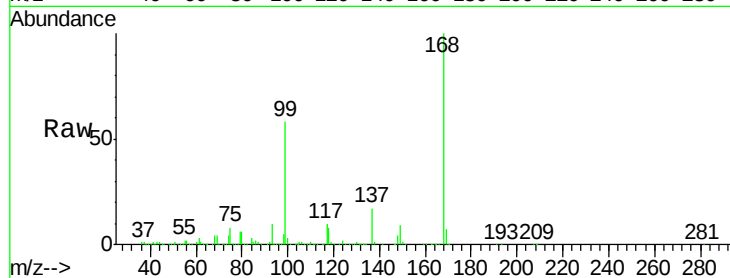
SB-03(12-13)

Tot Ion:168 Resp: 773162

Ion Ratio Lower Upper

168 100

99 58.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

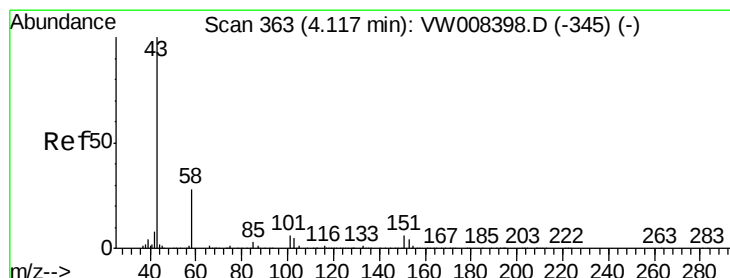
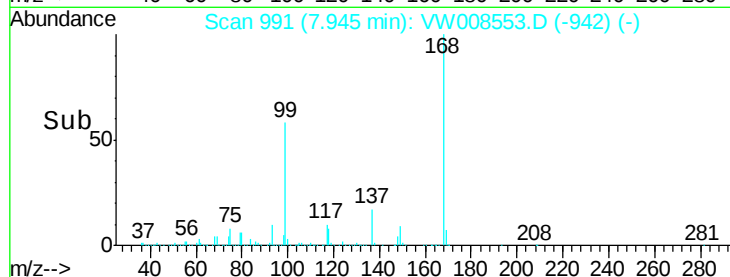
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 73.189 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008553.D

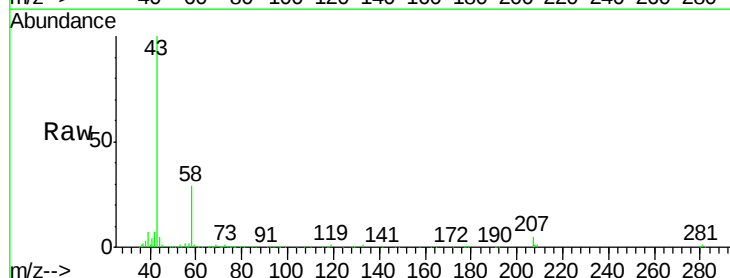
Acq: 07 Feb 2019 15:28

Tgt Ion: 43 Resp: 124839

Ion Ratio Lower Upper

43 100

58 28.5 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

50000

40000

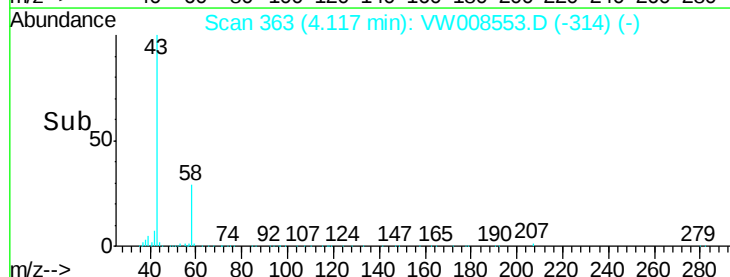
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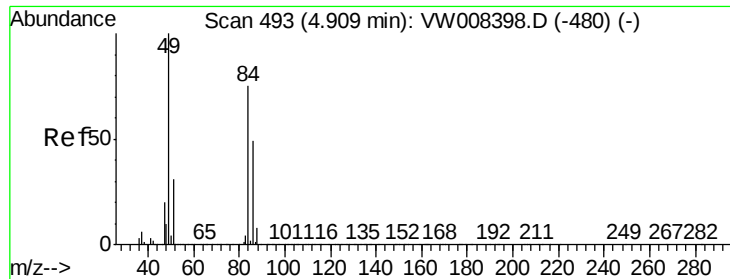
20000

10000

0

Time-->

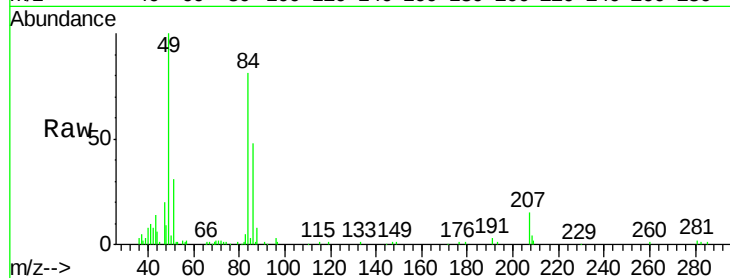




#20  
Methvlene Chloride  
Concen: 4.834 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW008553.D  
Acq: 07 Feb 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-03(12-13)

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 38007 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.4 | 106.8 | 160.2 |
| 51       | 34.5  | 32.9  | 49.3  |
| 86       | 58.8  | 52.2  | 78.2  |



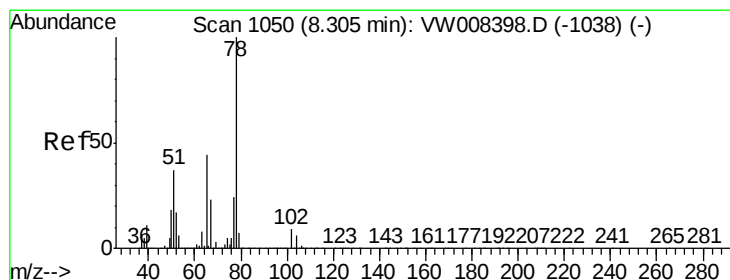
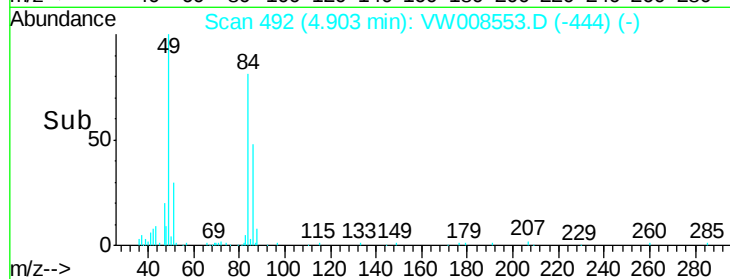
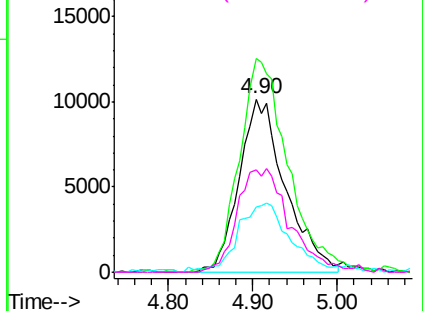
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

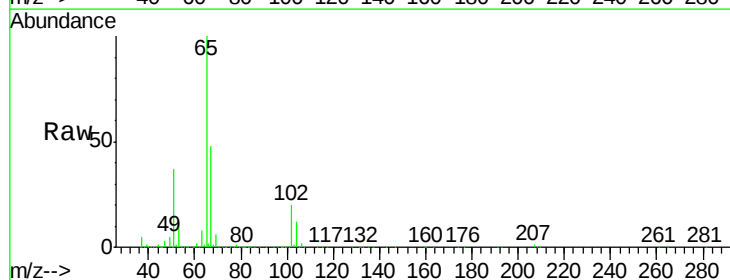
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#33  
1,2-Dichloroethane-d4  
Concen: 60.747 ug/l  
RT: 8.30 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VW008553.D  
Acq: 07 Feb 2019 15:28

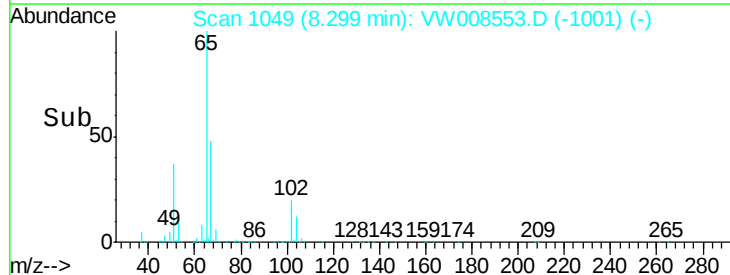
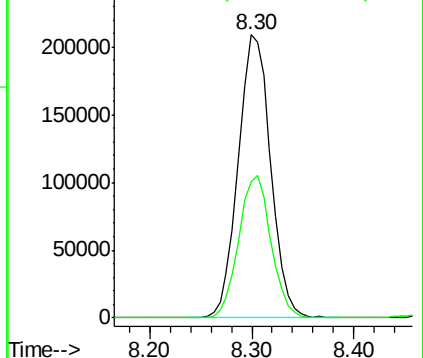
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 461410 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 50.2  | 0.0   | 104.0  |

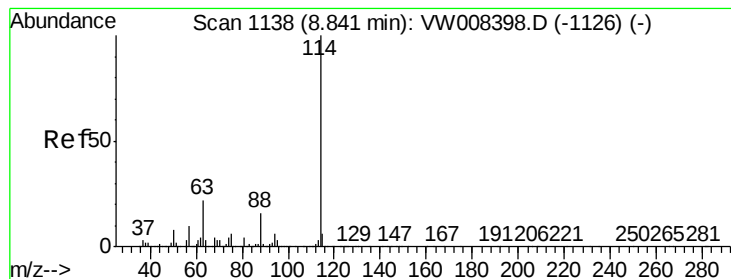


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008553.D

Acq: 07 Feb 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

SB-03(12-13)

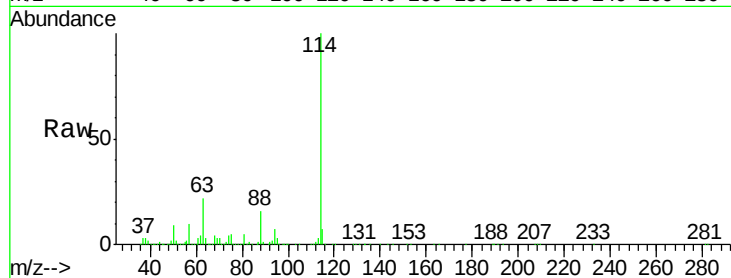
Tot Ion:114 Resp: 1295905

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.6

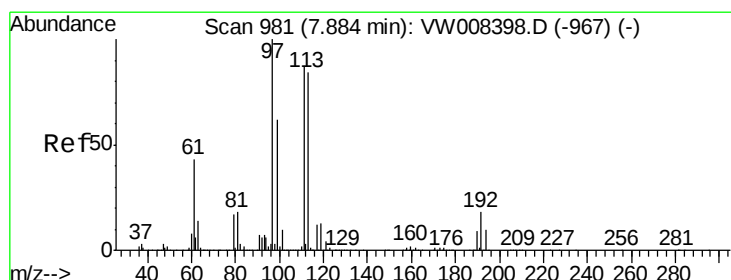
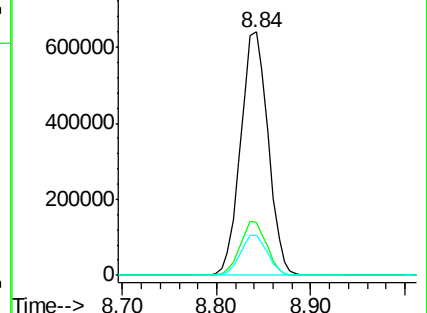
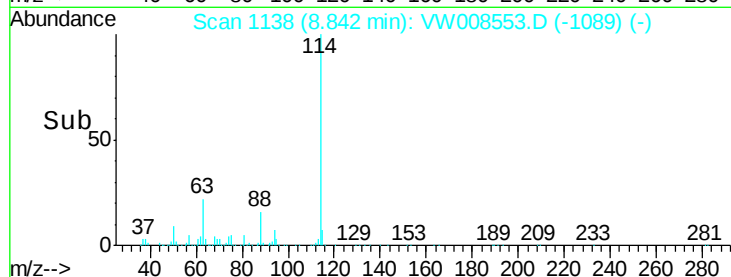
88 16.2 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 53.159 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008553.D

Acq: 07 Feb 2019 15:28

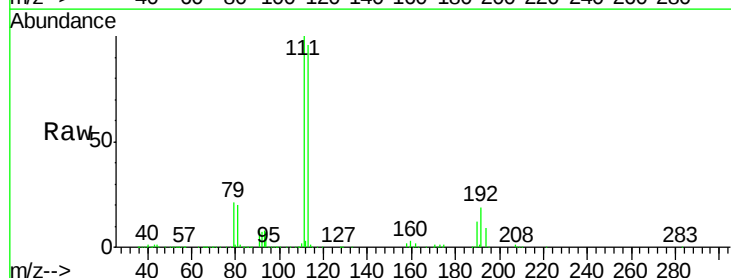
Tgt Ion:113 Resp: 402815

Ion Ratio Lower Upper

113 100

111 103.9 81.0 121.4

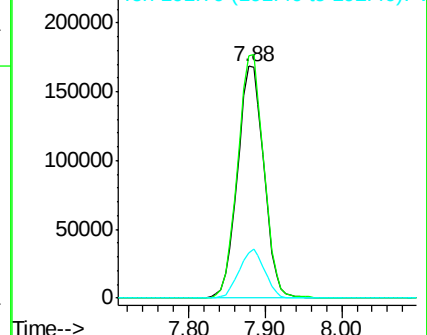
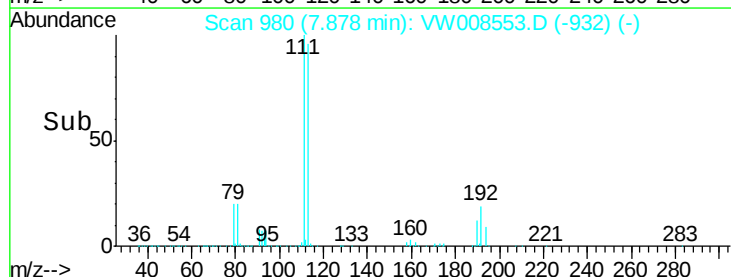
192 20.4 16.8 25.2

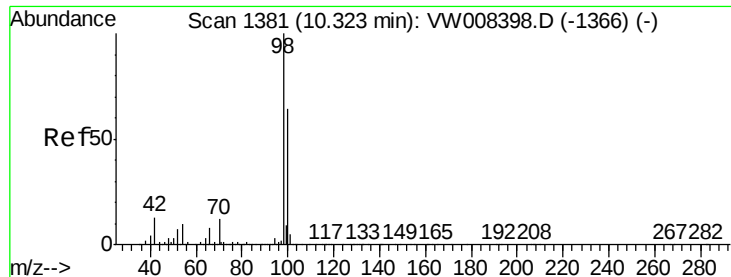


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

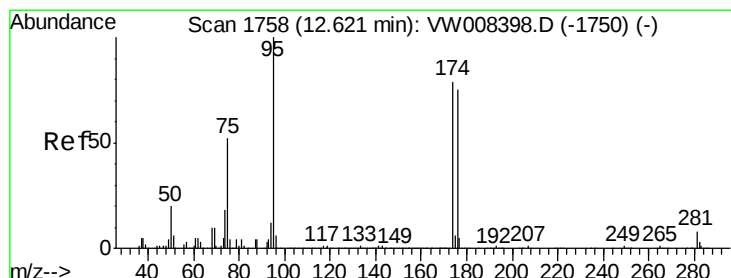
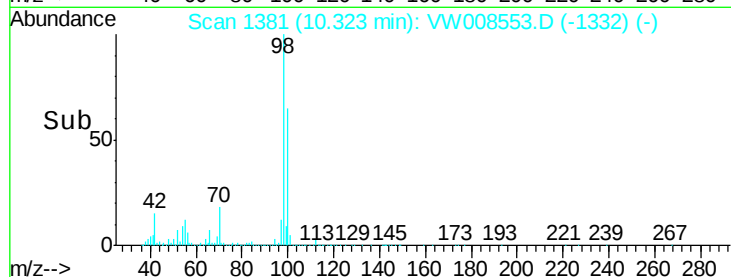
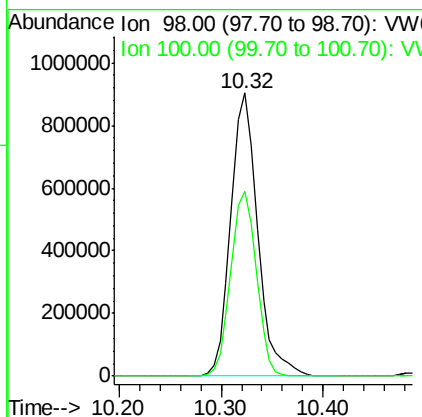
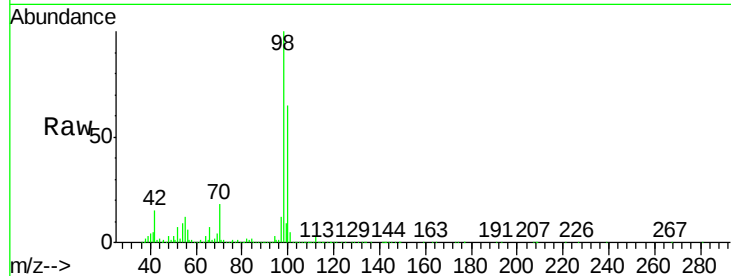




#50  
Toluene-d8  
Concen: 54.387 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008553.D  
Acq: 07 Feb 2019 15:28

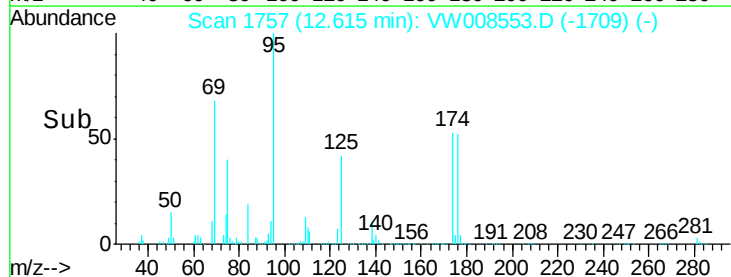
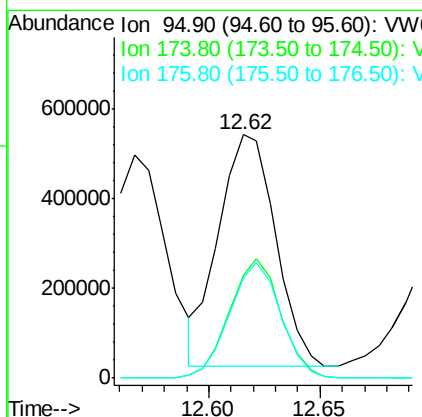
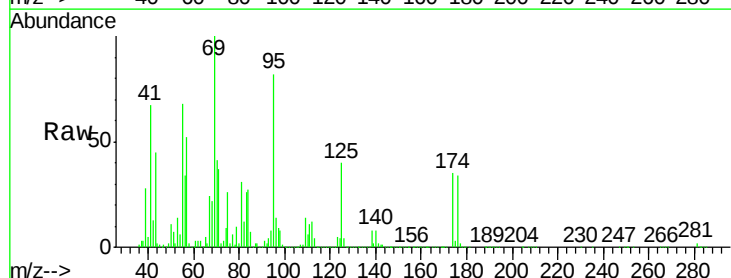
Instrument :  
MSVOA\_W  
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SB-03(12-13)

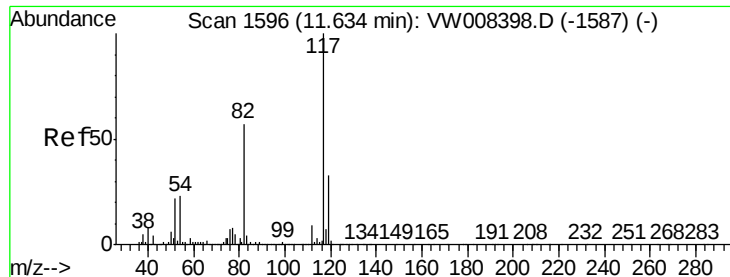
Tot Ion: 98 Resp: 1652623  
Ion Ratio Lower Upper  
98 100  
100 62.0 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 78.462 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: VW008553.D  
Acq: 07 Feb 2019 15:28

Tgt Ion: 95 Resp: 916442  
Ion Ratio Lower Upper  
95 100  
174 46.5 0.0 157.6  
176 45.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008553.D

Acq: 07 Feb 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

SB-03(12-13)

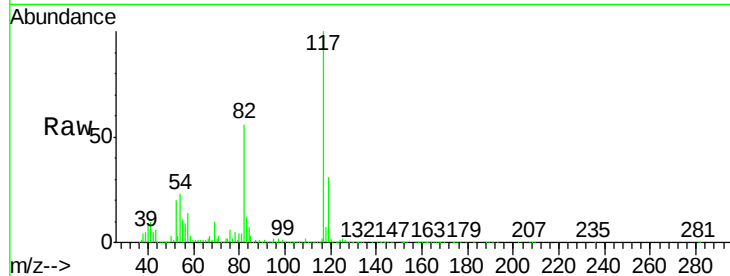
Tot Ion:117 Resp: 1148141

Ion Ratio Lower Upper

117 100

82 54.0 45.4 68.0

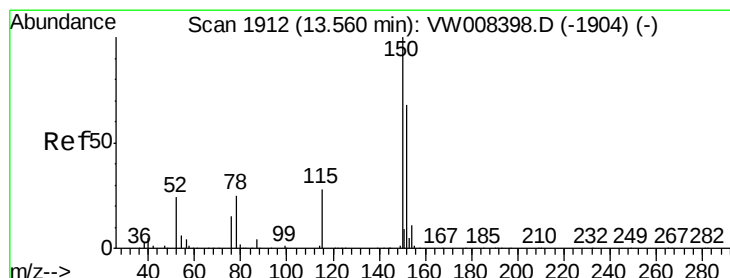
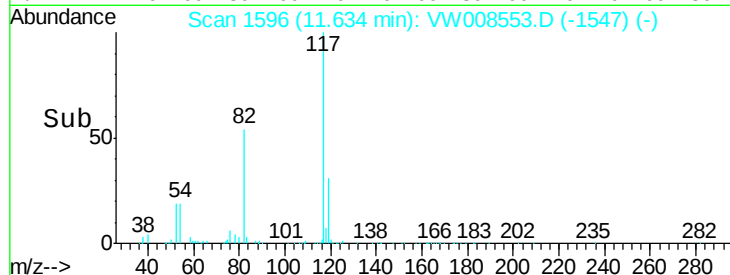
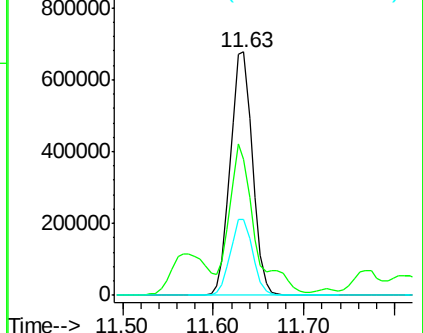
119 31.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008553.D

Acq: 07 Feb 2019 15:28

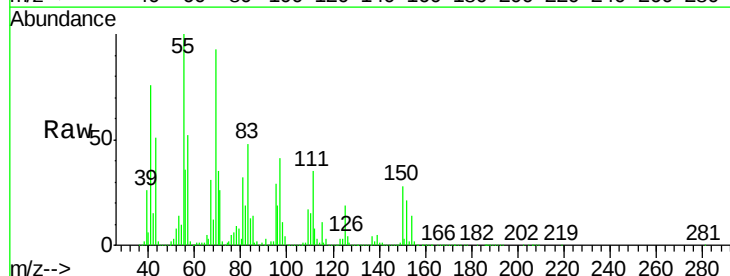
Tgt Ion:152 Resp: 775971

Ion Ratio Lower Upper

152 100

115 35.0 29.9 89.7

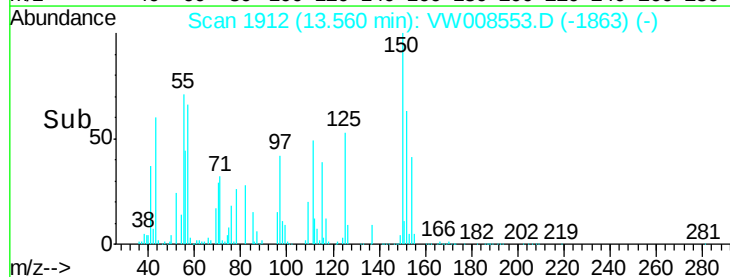
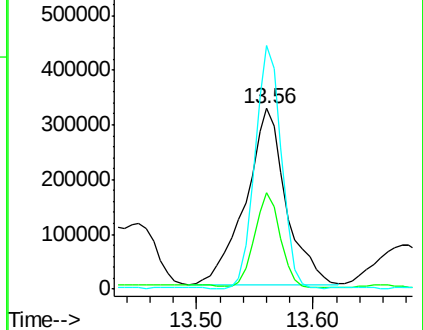
150 90.1 0.0 351.4

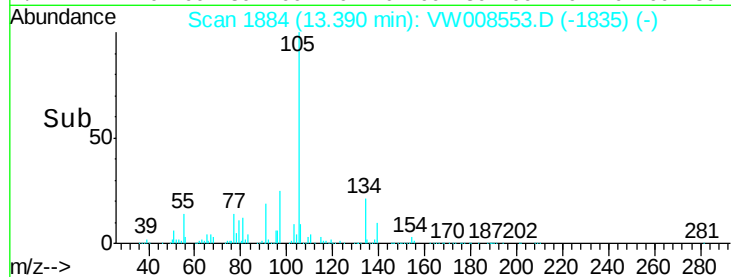
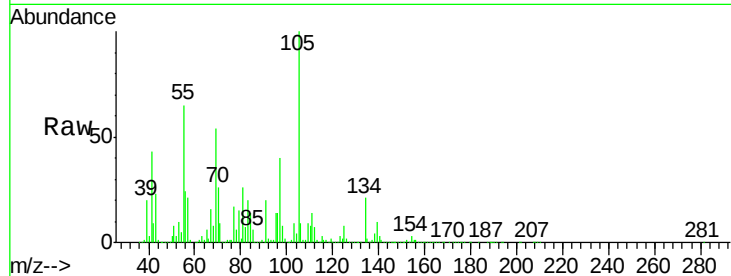
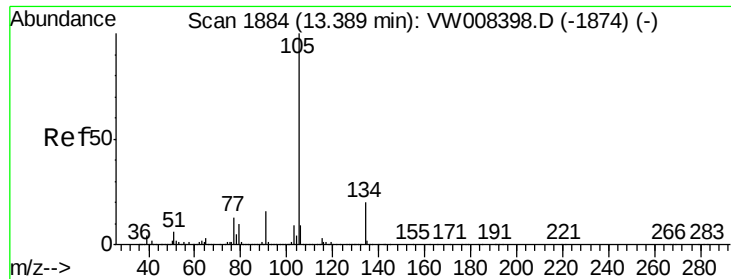


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#85

sec-Butylbenzene

Concen: 84.536 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008553.D

Acq: 07 Feb 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

SB-03(12-13)

Tot Ion:105 Resp: 5194800

Ion Ratio Lower Upper

105 100

134 25.2 10.2 30.6

