

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\  
 Data File : VW013456.D  
 Acq On : 07 Oct 2019 12:08  
 Operator : SY/VA  
 Sample : K5141-01  
 Misc : 8.23G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-02-100419

Quant Time: Oct 07 17:11:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100119S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 11:49:57 2019  
 Response via : Initial Calibration

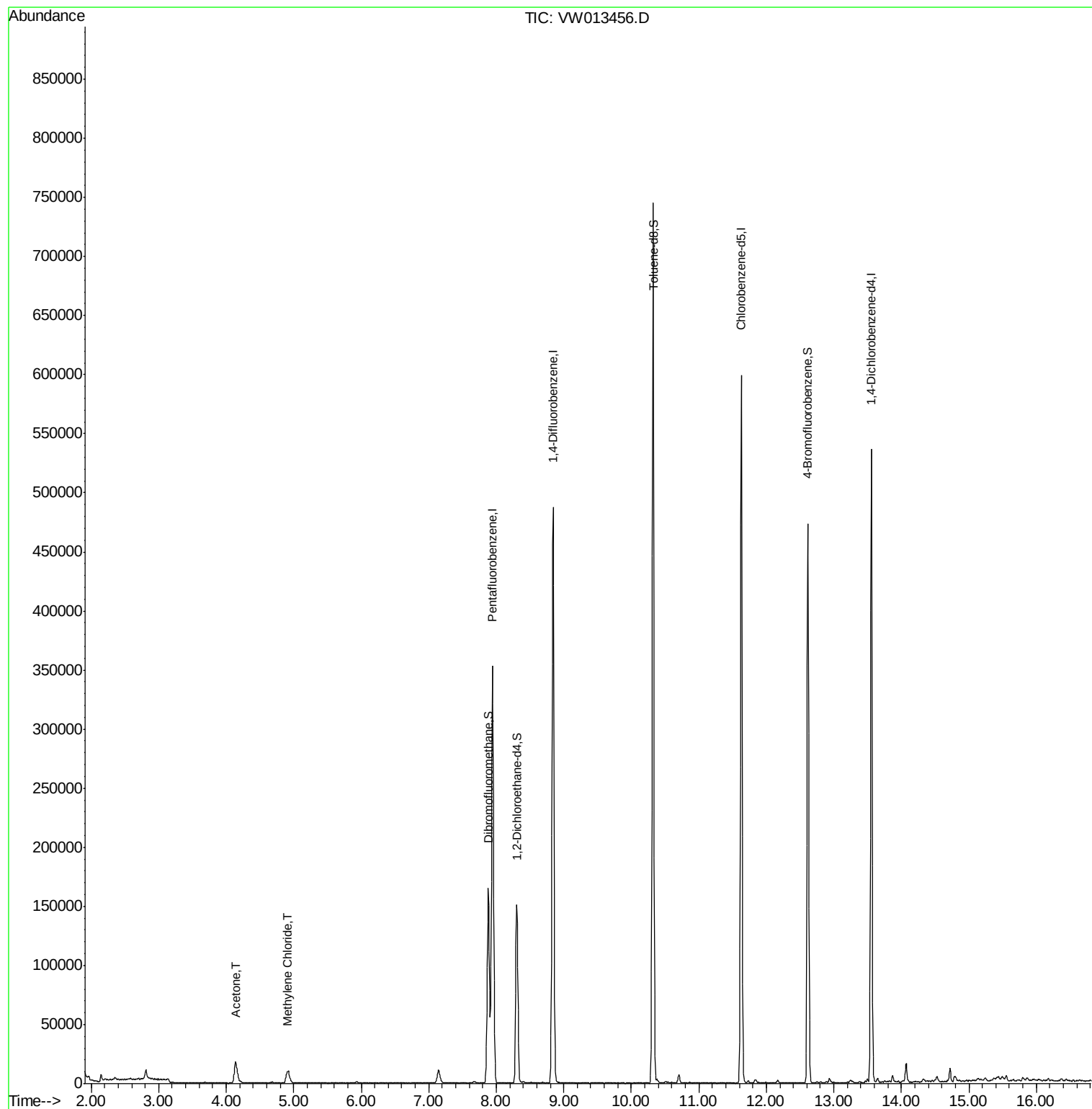
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 294974   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 441320   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 365586   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 155642   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 117730   | 53.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.90% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 123830   | 53.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.94% |          |
| 50) Toluene-d8              | 10.32 | 98   | 503598   | 52.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.80% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 157036   | 48.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.88%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 36396    | 53.912 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.91  | 84   | 9688     | 1.709  | ug/l    | 86       |

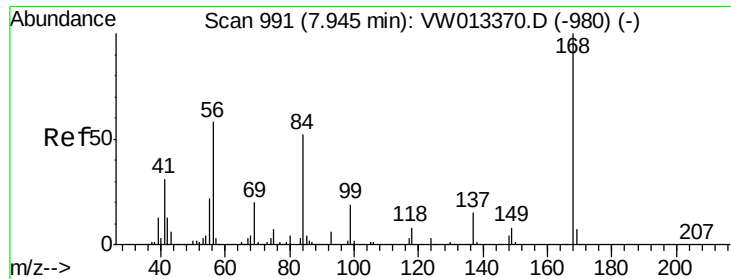
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013456.D

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Instrument :

MSVOA\_W

ClientSampleId :

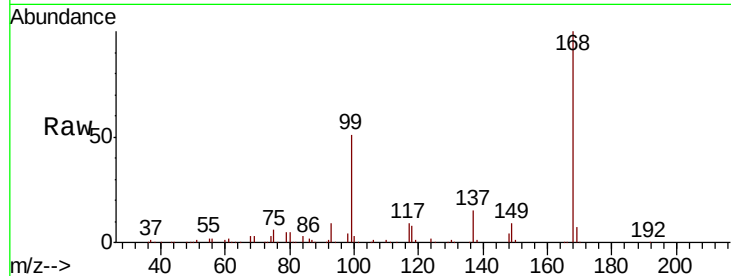
JC-02-100419

Tot Ion:168 Resp: 294974

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

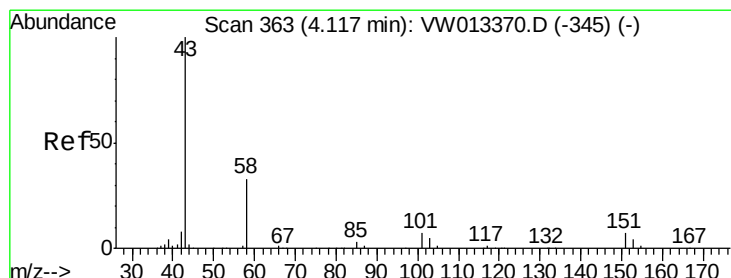
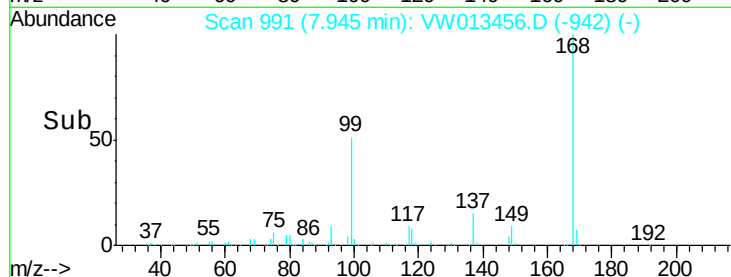
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 53.912 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW013456.D

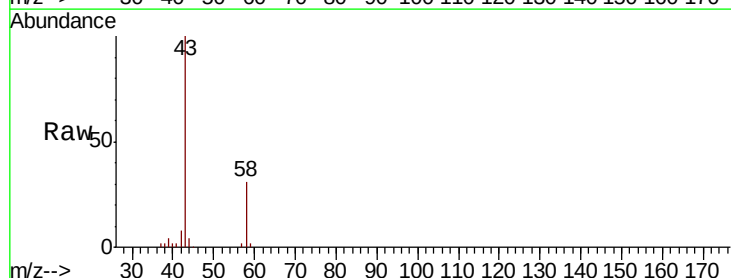
Acq: 07 Oct 2019 12:08

Tgt Ion: 43 Resp: 36396

Ion Ratio Lower Upper

43 100

58 31.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

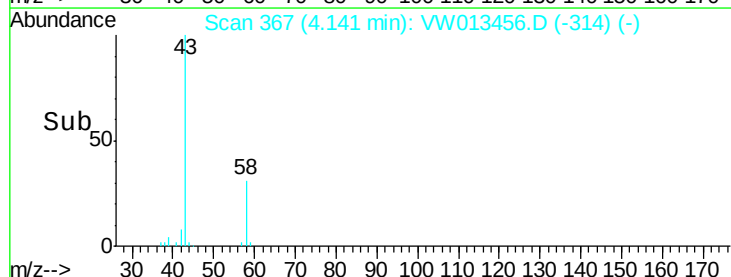
10000

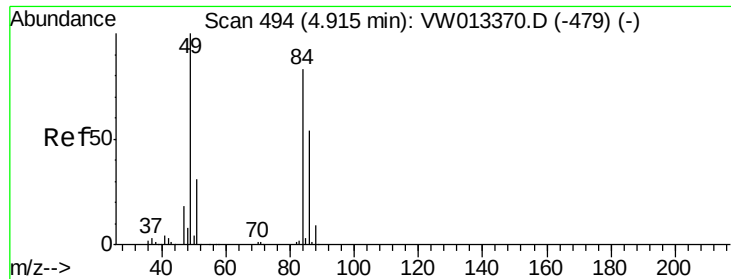
5000

0

4.00 4.10 4.20

Time-->

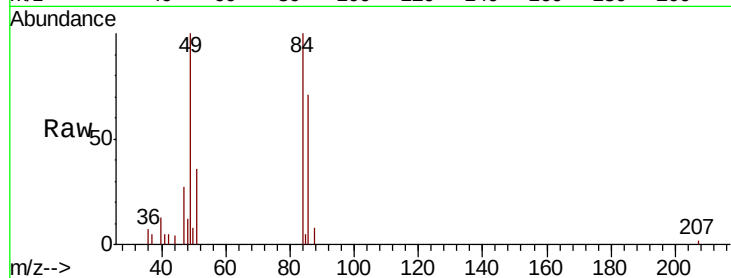




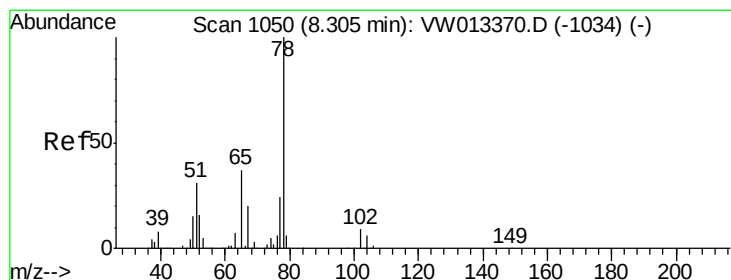
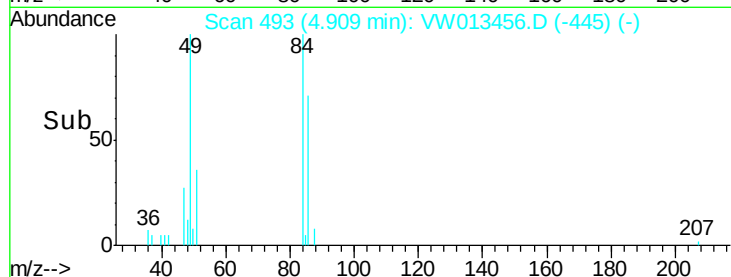
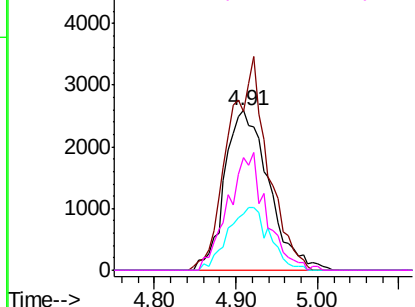
#20  
Methylene Chloride  
Concen: 1.709 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW013456.D  
Acq: 07 Oct 2019 12:08

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-100419

Tot Ion: 84 Resp: 9688  
Ion Ratio Lower Upper  
84 100  
49 99.7 97.6 146.4  
51 35.6 30.2 45.2  
86 70.5 50.6 76.0

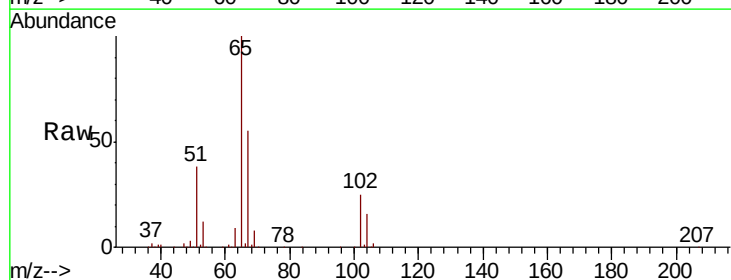


Abundance Ion 83.90 (83.60 to 84.60): VW  
Ion 48.90 (48.60 to 49.60): VW  
Ion 50.90 (50.60 to 51.60): VW  
Ion 85.90 (85.60 to 86.60): VW

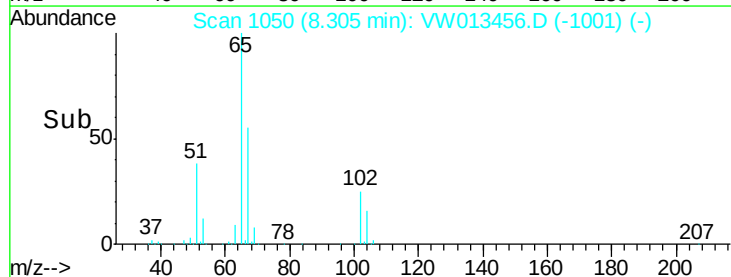
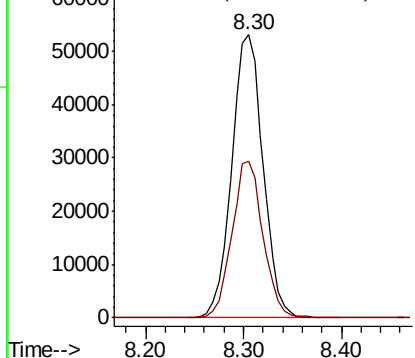


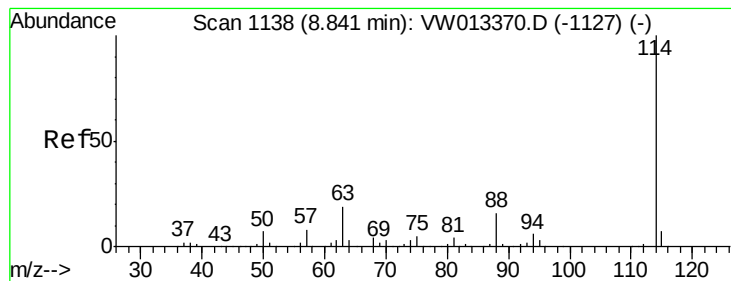
#33  
1,2-Dichloroethane-d4  
Concen: 53.453 ug/l  
RT: 8.30 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW013456.D  
Acq: 07 Oct 2019 12:08

Tgt Ion: 65 Resp: 117730  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 106.2



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: VW013456.D

Acq: 07 Oct 2019 12:08

Instrument :

MSVOA\_W

ClientSampleId :

JC-02-100419

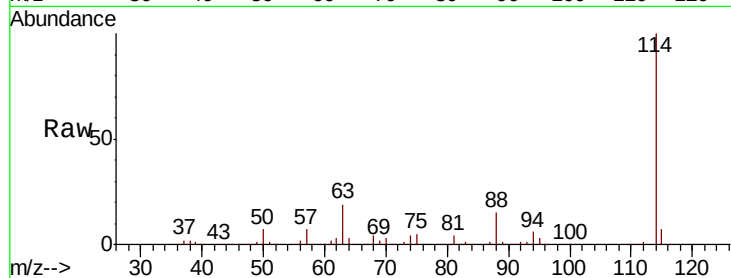
Tot Ion:114 Resp: 441320

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.4

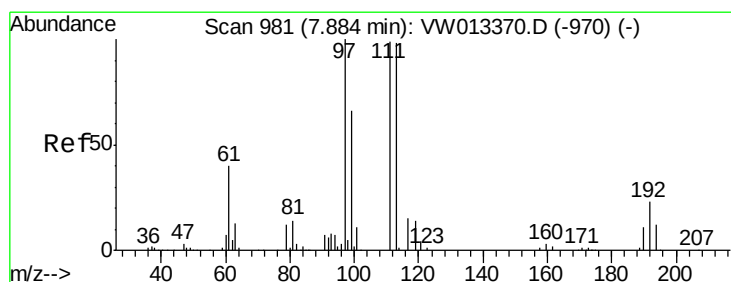
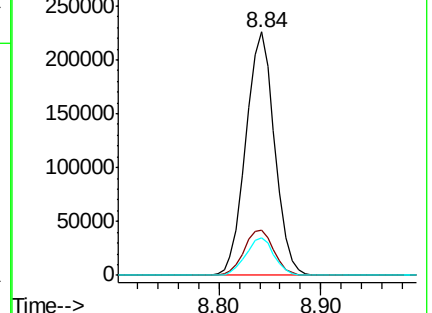
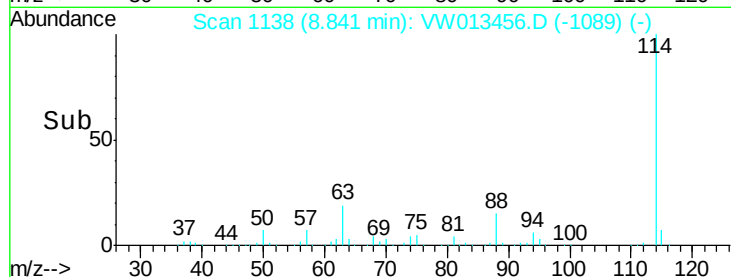
88 15.2 0.0 32.0



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: 53.474 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013456.D

Acq: 07 Oct 2019 12:08

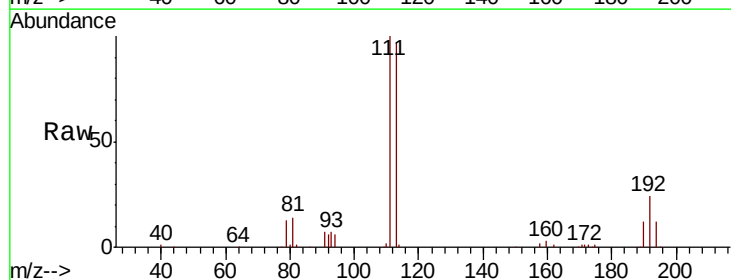
Tgt Ion:113 Resp: 123830

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

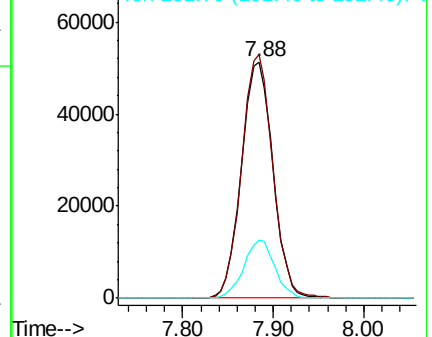
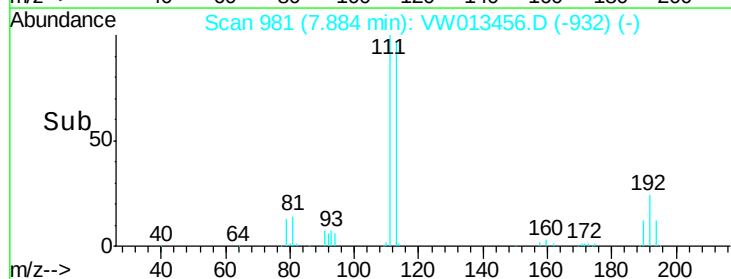
192 24.3 19.1 28.7

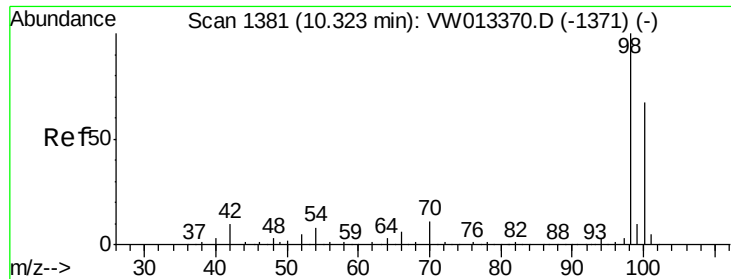


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

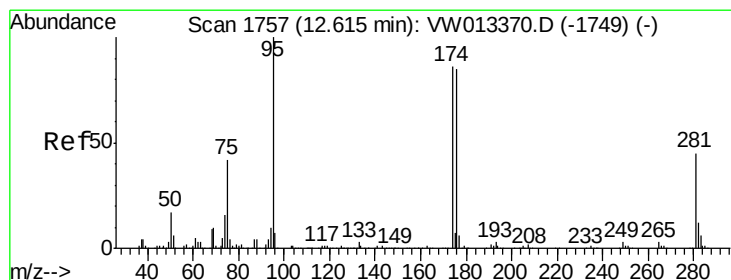
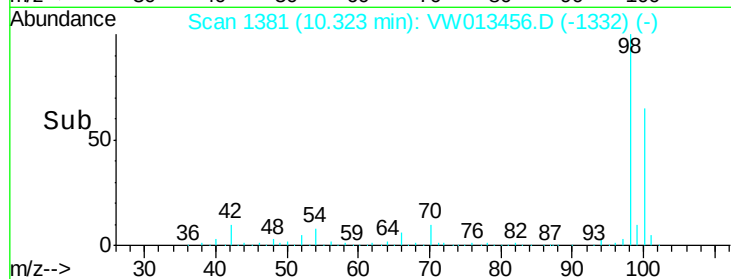
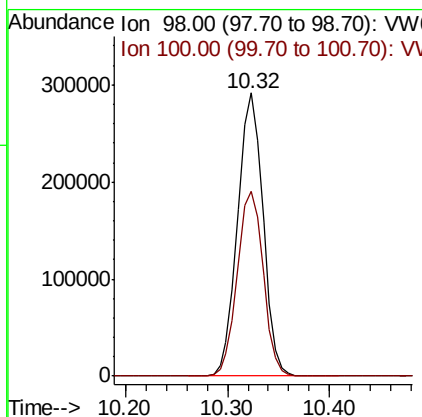
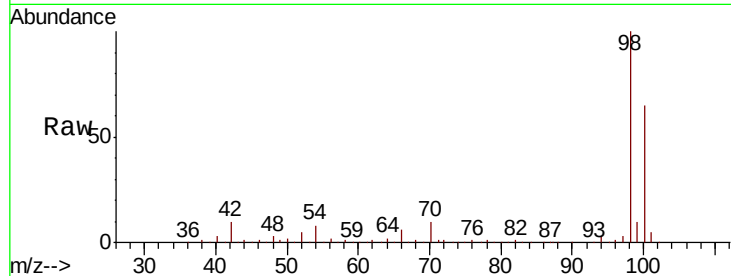




#50  
Toluene-d8  
Concen: 52.405 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW013456.D  
Acq: 07 Oct 2019 12:08

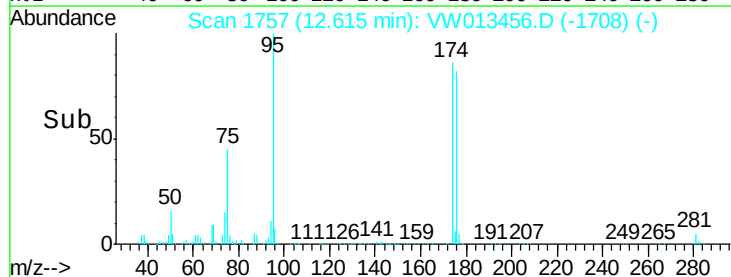
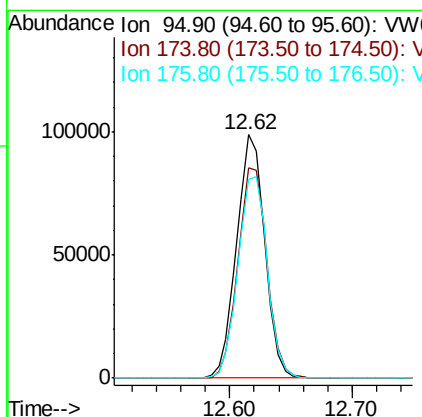
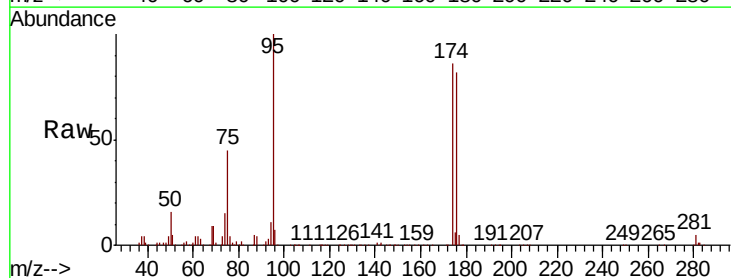
Instrument :  
MSVOA\_W  
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JC-02-100419

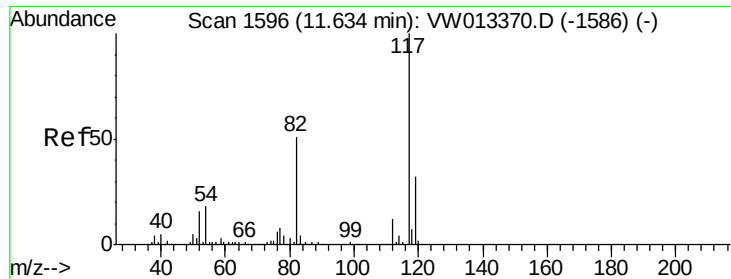
Tot Ion: 98 Resp: 503598  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 48.935 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW013456.D  
Acq: 07 Oct 2019 12:08

Tgt Ion: 95 Resp: 157036  
Ion Ratio Lower Upper  
95 100  
174 89.2 0.0 178.4  
176 86.5 0.0 172.2

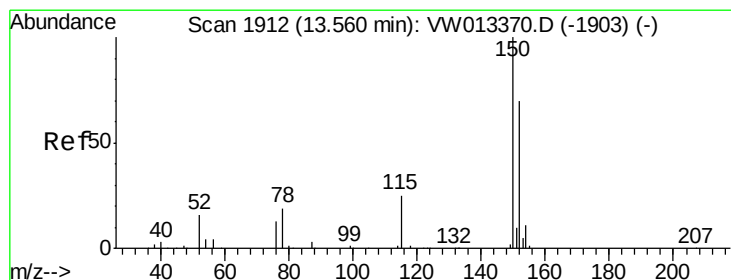
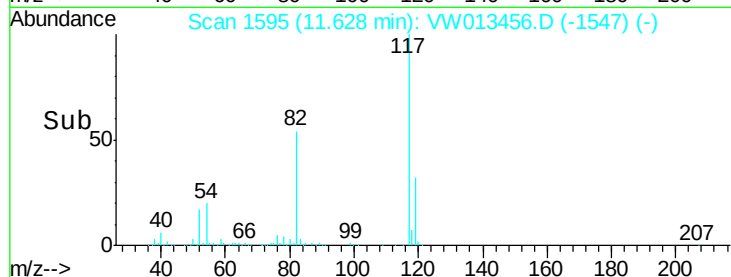
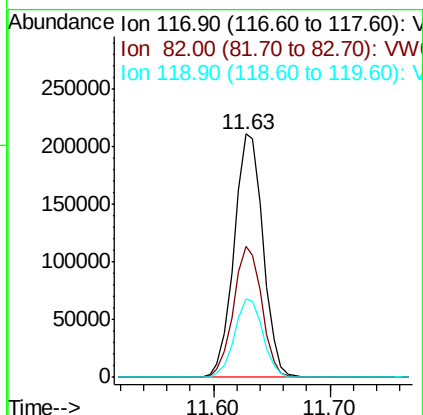
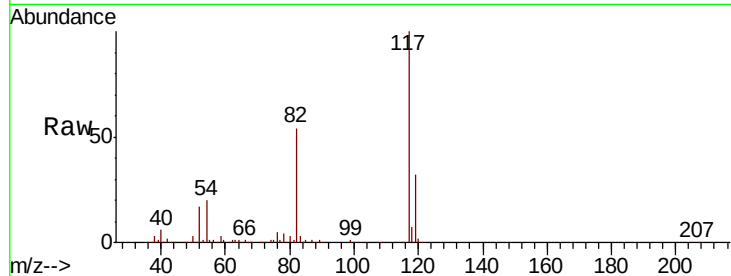




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW013456.D  
Acq: 07 Oct 2019 12:08

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-100419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.0  | 45.9  | 68.9  |
| 119     | 32.2  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.55 min Scan# 1911  
Delta R.T. -0.01 min  
Lab File: VW013456.D  
Acq: 07 Oct 2019 12:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.6  | 27.3  | 81.9  |
| 150     | 155.5 | 0.0   | 349.0 |

