

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\  
 Data File : VW012676.D  
 Acq On : 06 Sep 2019 07:22  
 Operator : SY/VA  
 Sample : K4581-05  
 Misc : 2.29G/5ML/MSVOA W/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T12-C3-(0)

Quant Time: Sep 06 08:56:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

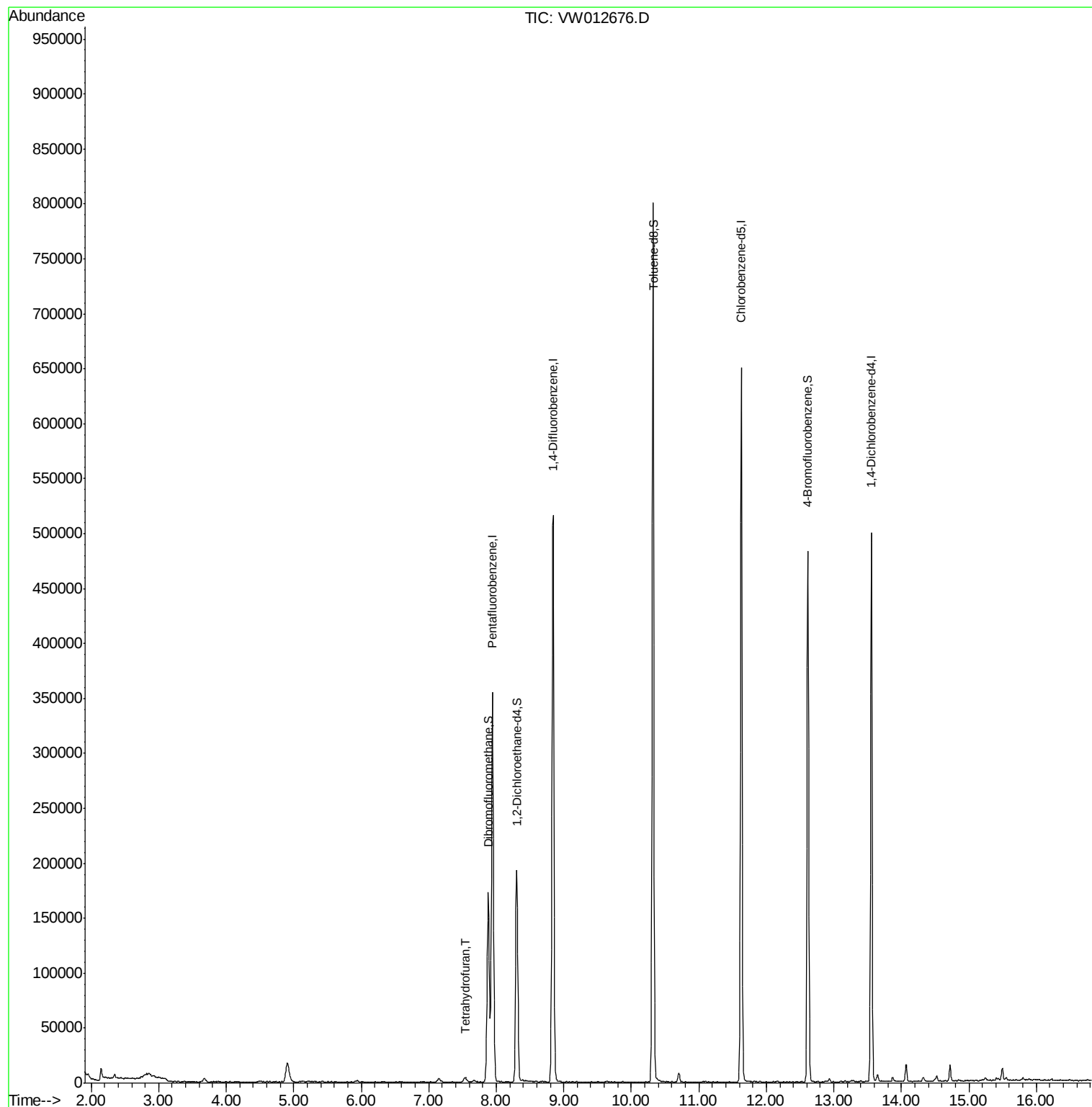
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 256079   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 416605   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 340180   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 126822   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 161560   | 53.07 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.14% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 125512   | 50.47 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.94% |           |
| 50) Toluene-d8              | 10.32 | 98   | 498597   | 49.45 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.90%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 151284   | 42.56 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.12%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 29) Tetrahydrofuran         | 7.54  | 42   | 4057     | 6.395 | ug/l #  | Qvalue 80 |

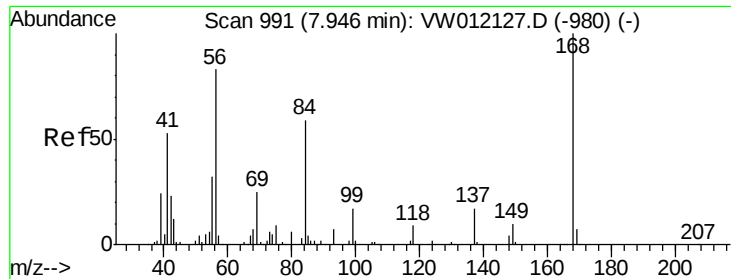
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090519\  
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MSVOA\_W  
ClientSampleId :  
T12-C3-(0)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 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: VW012676.D

Acq: 06 Sep 2019 07:22

Instrument :

MSVOA\_W

ClientSampleId :

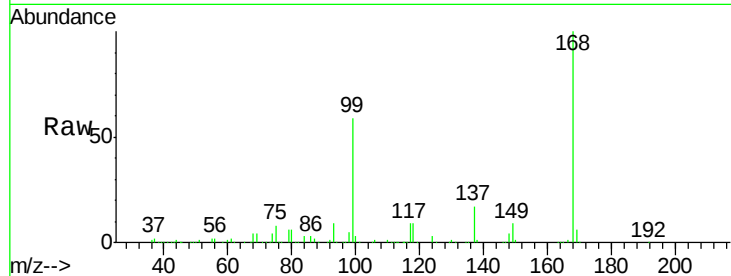
T12-C3-(0)

Tot Ion:168 Resp: 256079

Ion Ratio Lower Upper

168 100

99 58.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

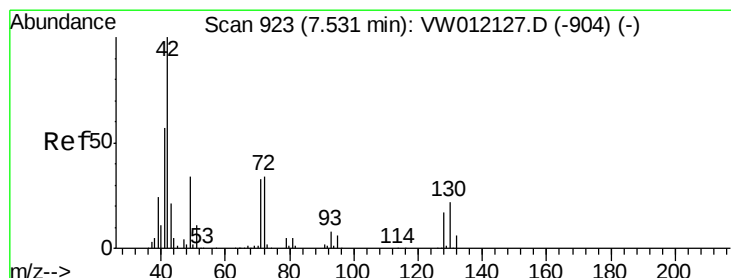
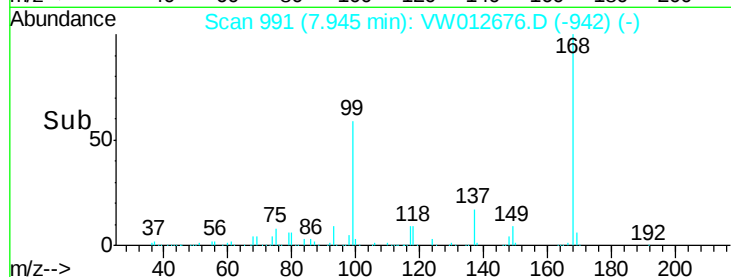
7.95

100000

50000

0

Time-->



#29

Tetrahydrofuran

Concen: 6.395 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

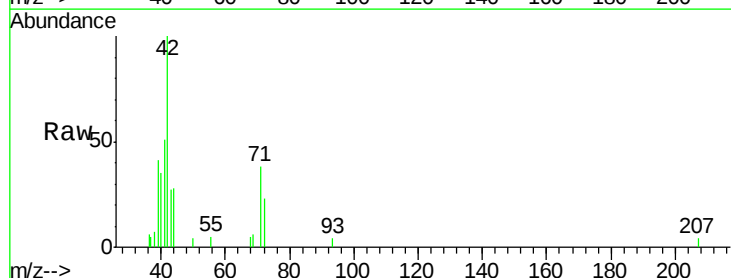
Tgt Ion: 42 Resp: 4057

Ion Ratio Lower Upper

42 100

72 39.1 27.3 40.9

71 14.6 25.5 38.3#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

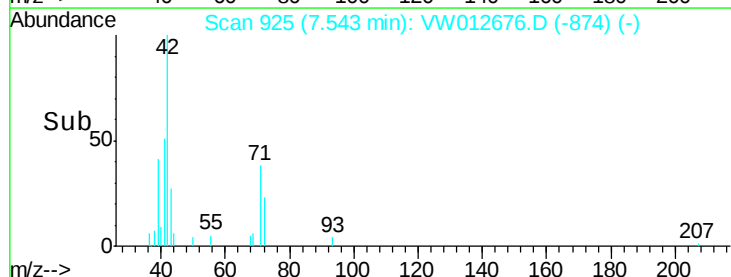
1500

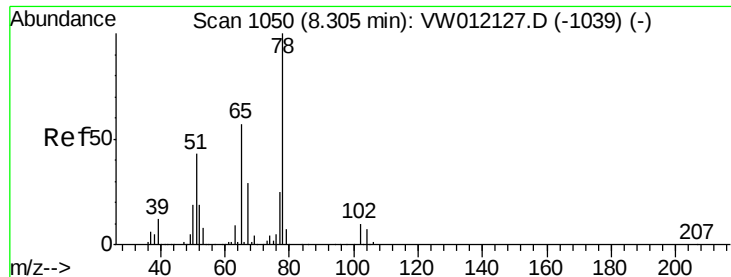
1000

500

0

Time-->

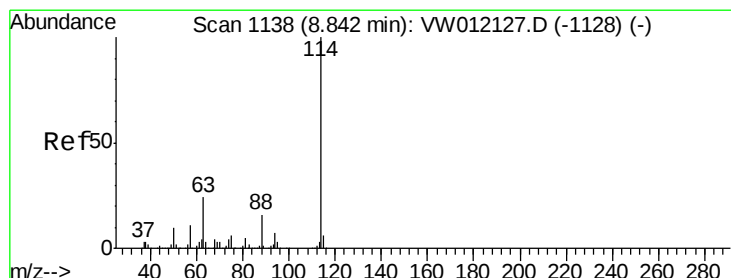
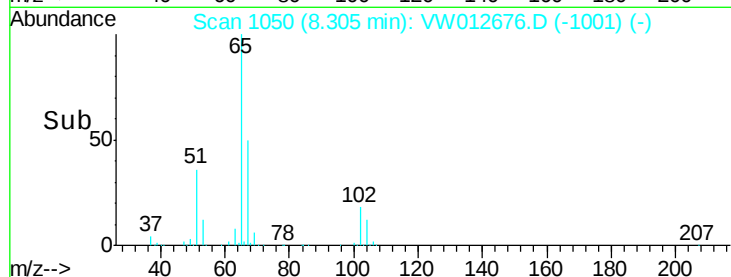
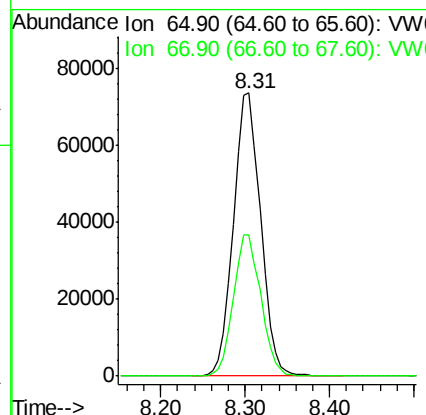
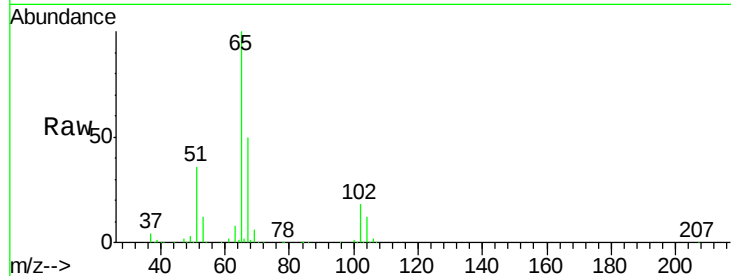




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.072 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012676.D  
 Acq: 06 Sep 2019 07:22

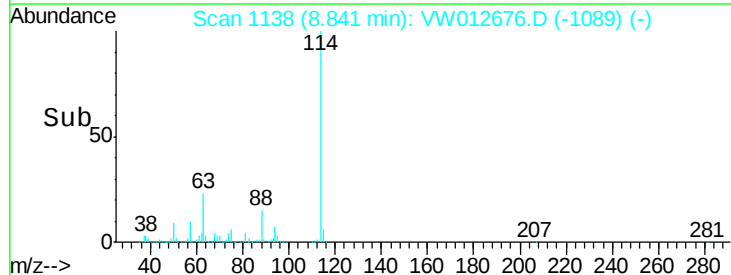
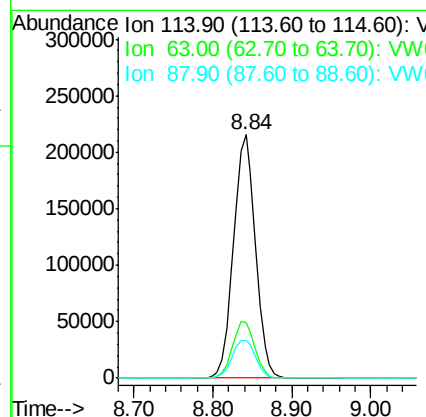
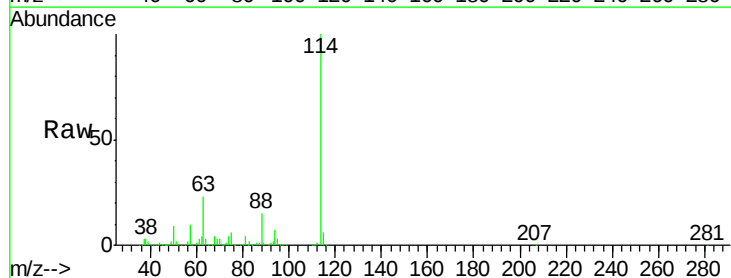
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T12-C3-(0)

Tot Ion: 65 Resp: 161560  
 Ion Ratio Lower Upper  
 65 100  
 67 50.2 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012676.D  
 Acq: 06 Sep 2019 07:22

Tgt Ion: 114 Resp: 416605  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 0.0 48.6  
 88 15.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.473 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

Instrument :

MSVOA\_W

ClientSampleId :

T12-C3-(0)

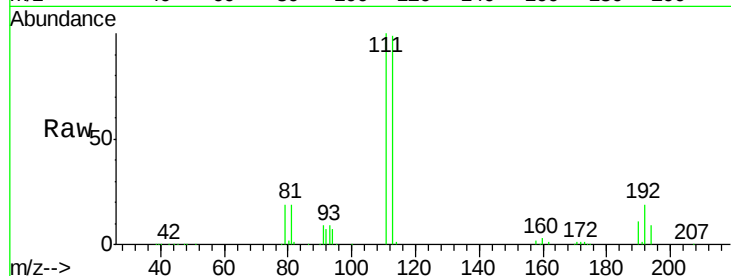
Tot Ion:113 Resp: 125512

Ion Ratio Lower Upper

113 100

111 101.3 82.7 124.1

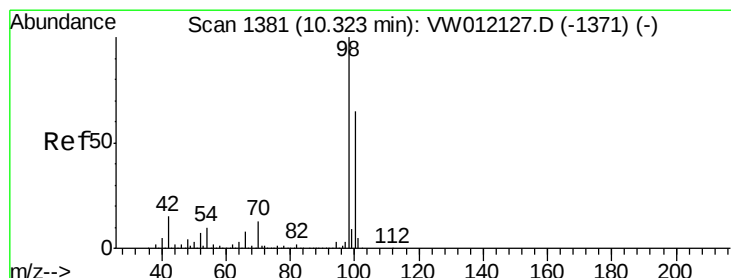
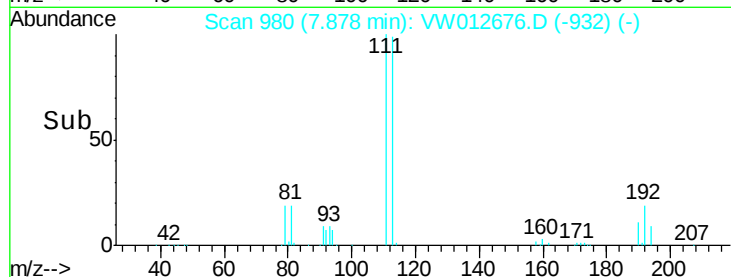
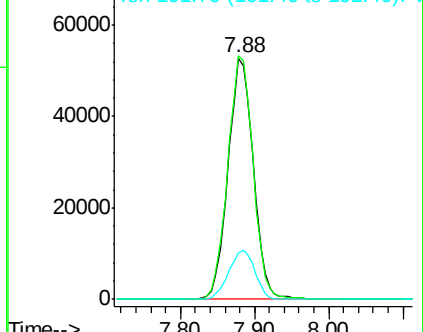
192 21.1 16.2 24.2



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: 49.449 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012676.D

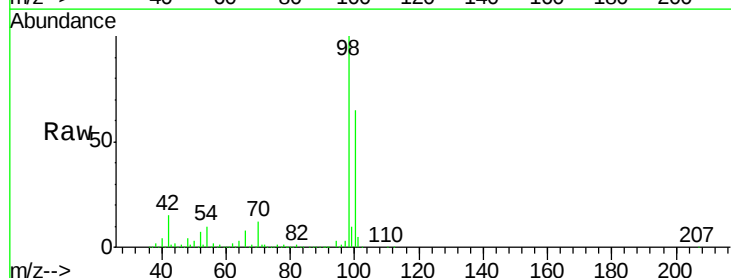
Acq: 06 Sep 2019 07:22

Tgt Ion: 98 Resp: 498597

Ion Ratio Lower Upper

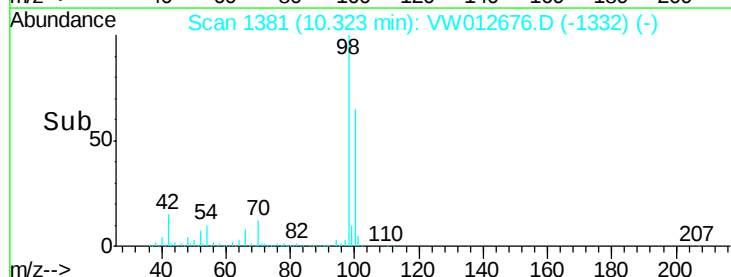
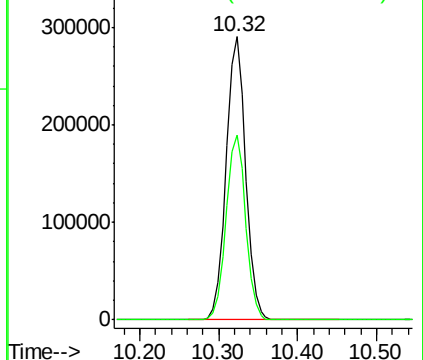
98 100

100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

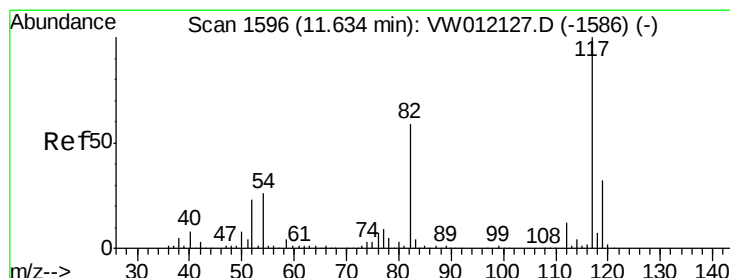
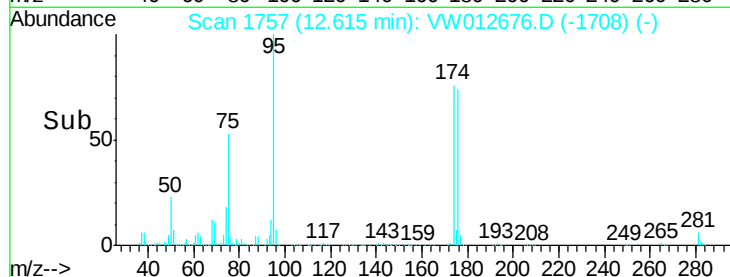
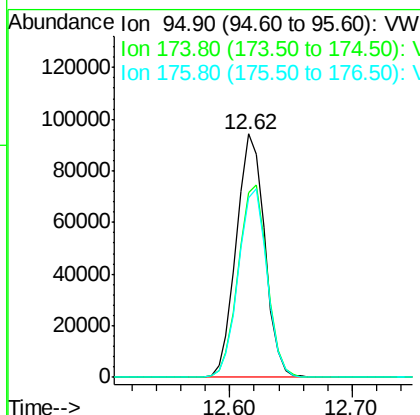
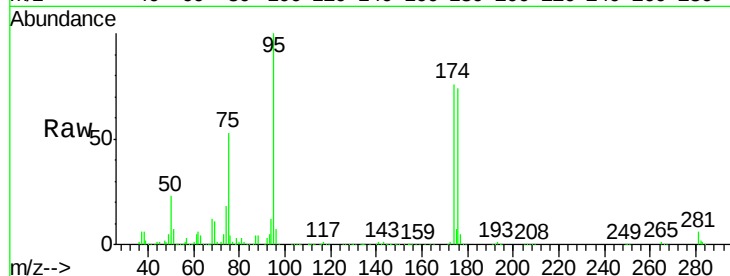




#62  
4-Bromofluorobenzene  
Concen: 42.564 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW012676.D  
Acq: 06 Sep 2019 07:22

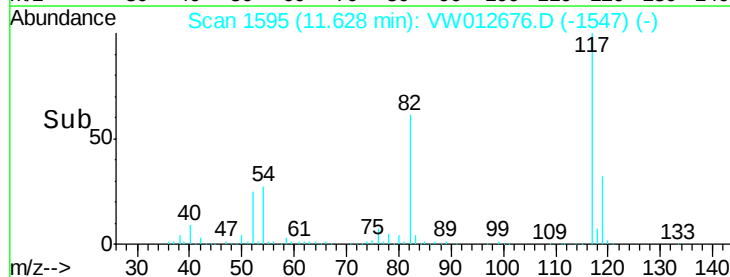
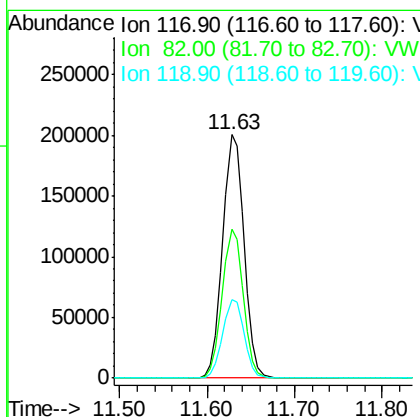
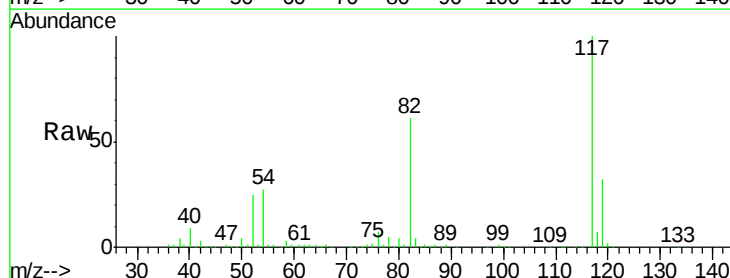
Instrument :  
MSVOA\_W  
ClientSampleId :  
T12-C3-(0)

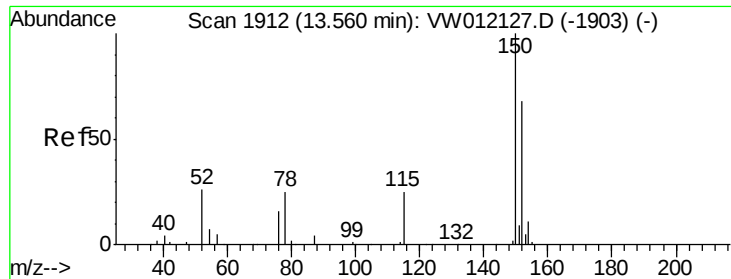
Tot Ion: 95 Resp: 151284  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 150.8  
176 78.2 0.0 148.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012676.D  
Acq: 06 Sep 2019 07:22

Tgt Ion: 117 Resp: 340180  
Ion Ratio Lower Upper  
117 100  
82 61.3 47.4 71.2  
119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

Instrument :

MSVOA\_W

ClientSampleId :

T12-C3-(0)

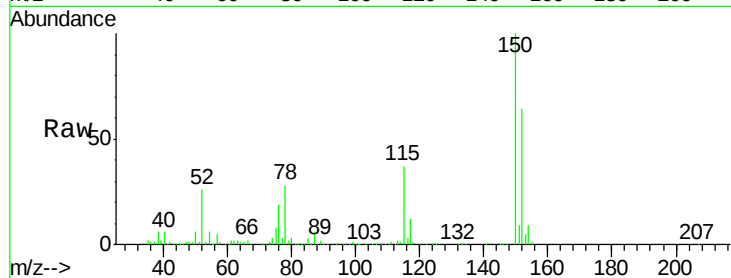
Tot Ion:152 Resp: 126822

Ion Ratio Lower Upper

152 100

115 58.3 30.1 90.3

150 157.3 0.0 345.8



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

