

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\  
 Data File : VW012888.D  
 Acq On : 11 Sep 2019 00:36  
 Operator : SY/VA  
 Sample : K4693-03  
 Misc : 5.33G/5ML/MSVOA W/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-18-S

Quant Time: Sep 11 08:55:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sun Sep 08 05:04:40 2019  
 Response via : Initial Calibration

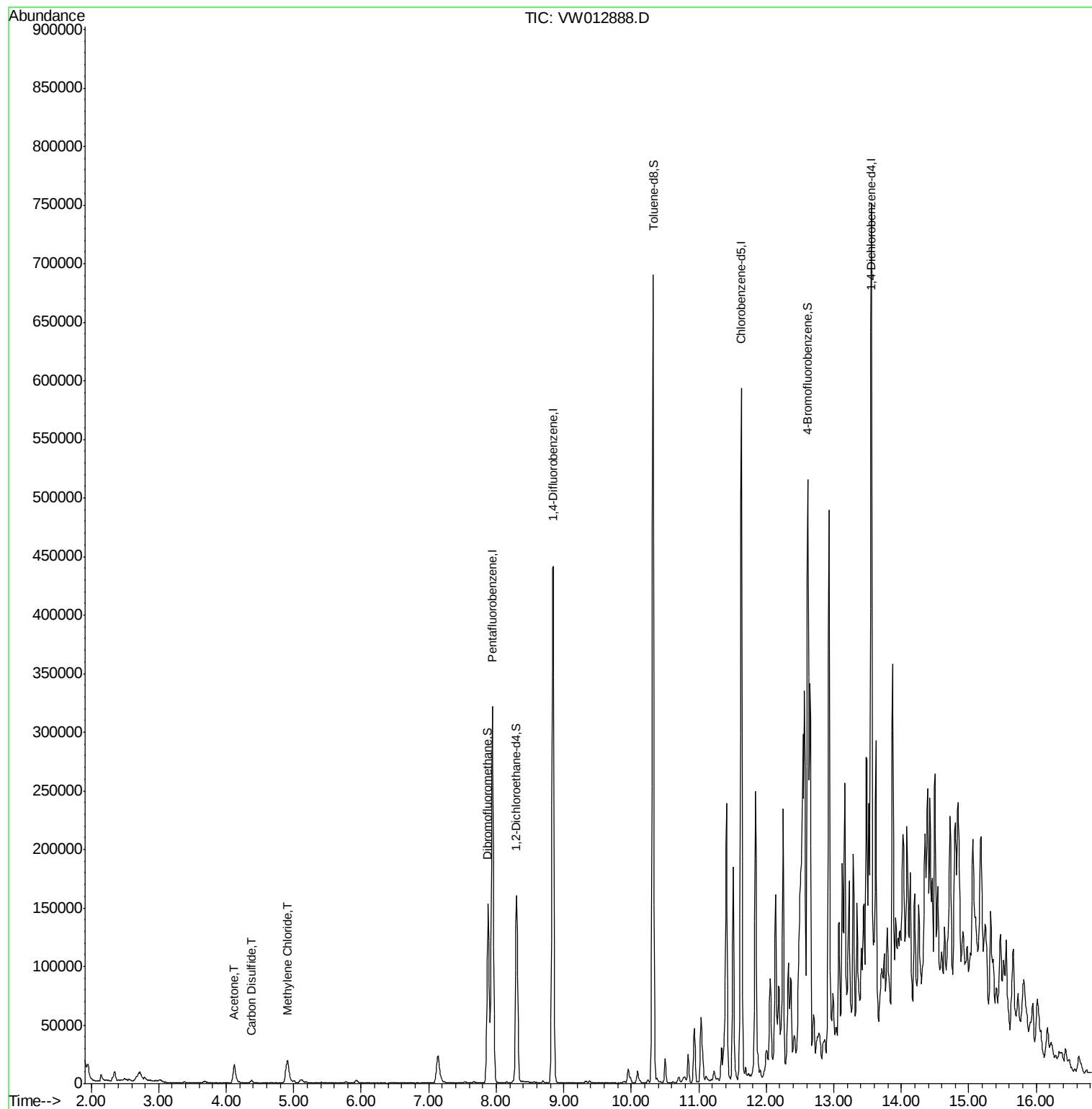
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 249866   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 373133   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 320112   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 132657   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 132489   | 47.46  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.92%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 108978   | 49.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.26%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 447236   | 51.46  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.92% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 143965   | 45.63  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.26%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 29189    | 38.351 | ug/l    | 93       |
| 17) Carbon Disulfide        | 4.38  | 76   | 4672     | 1.067  | ug/l    | 96       |
| 20) Methylene Chloride      | 4.90  | 84   | 14803    | 6.217  | ug/l    | 93       |

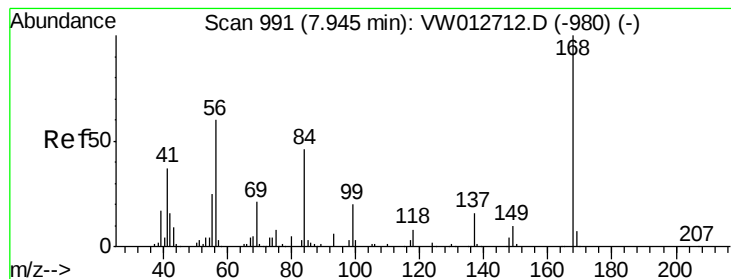
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091019\  
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MSVOA\_W  
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TP-18-S

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Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 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: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA\_W

ClientSampleId :

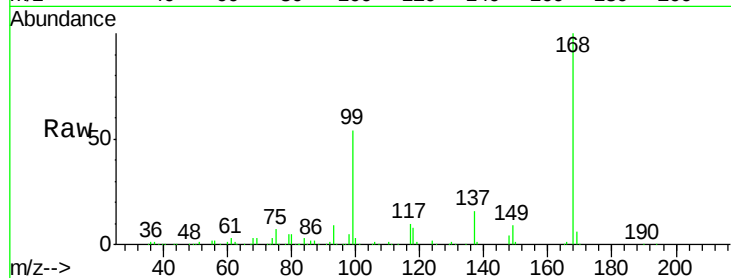
TP-18-S

Tot Ion:168 Resp: 249866

Ion Ratio Lower Upper

168 100

99 54.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

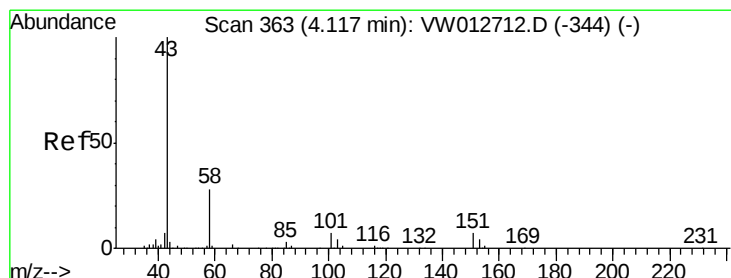
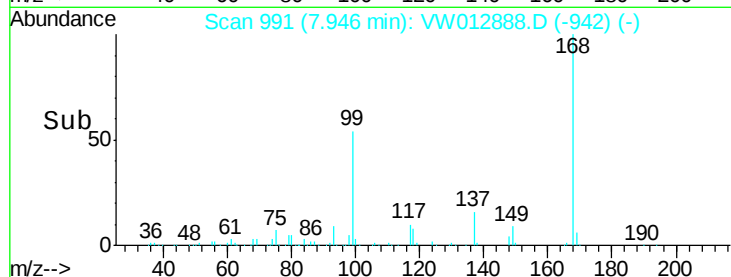
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 38.351 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012888.D

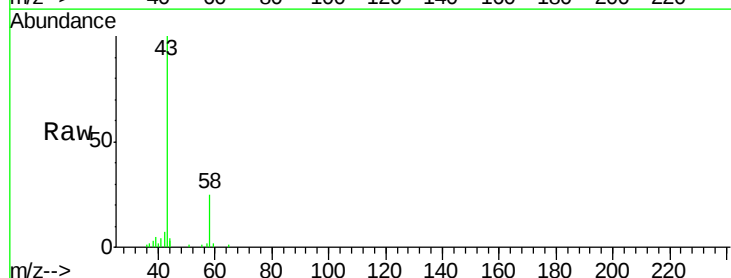
Acq: 11 Sep 2019 00:36

Tgt Ion: 43 Resp: 29189

Ion Ratio Lower Upper

43 100

58 24.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

12000

10000

8000

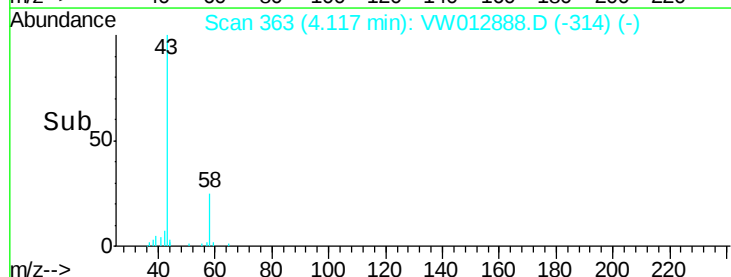
6000

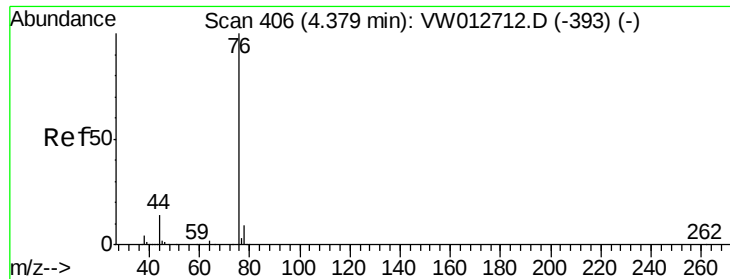
4000

2000

0

Time-->

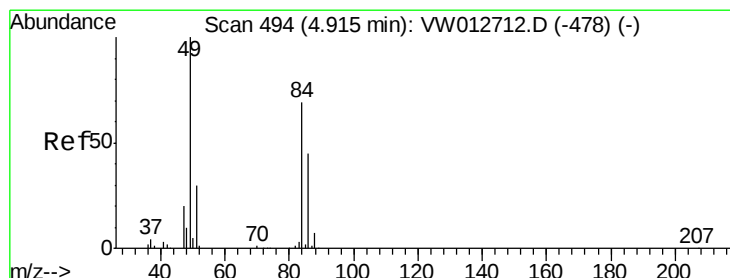
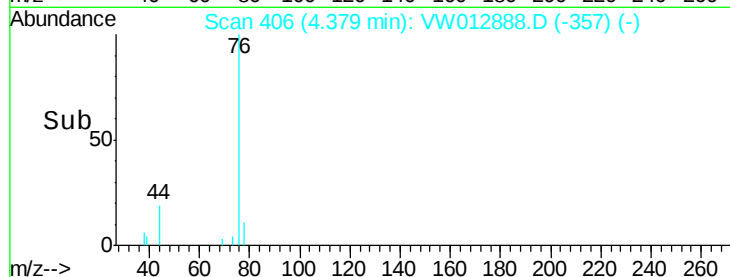
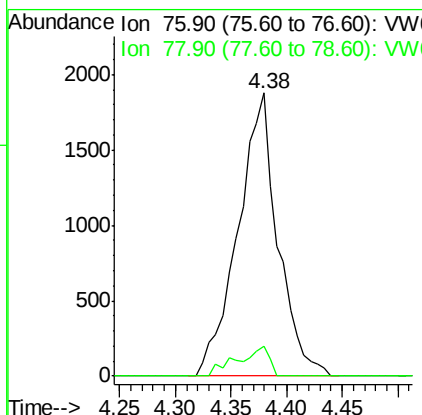
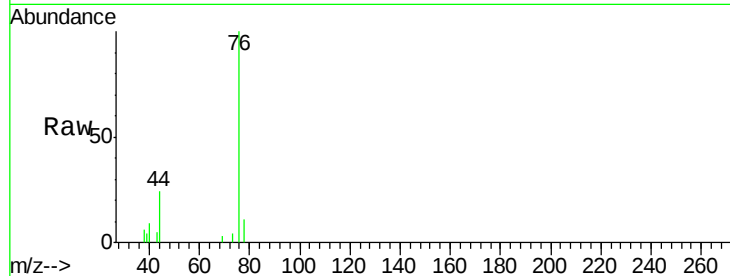




#17  
Carbon Disulfide  
Concen: 1.067 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: VW012888.D  
Acq: 11 Sep 2019 00:36

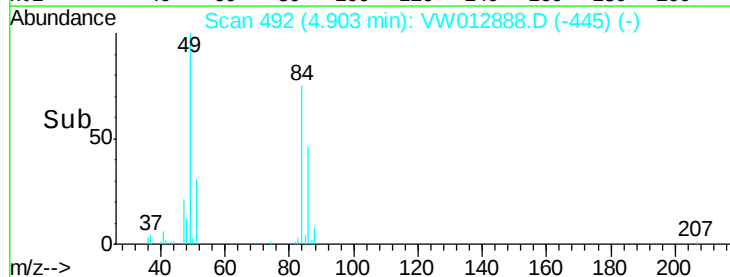
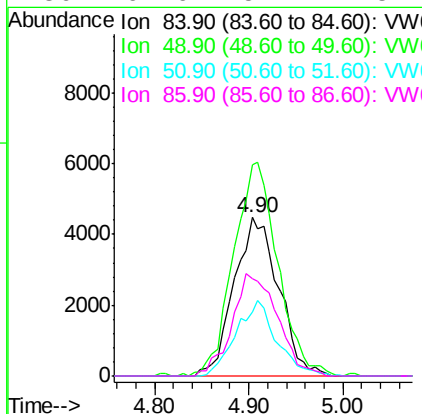
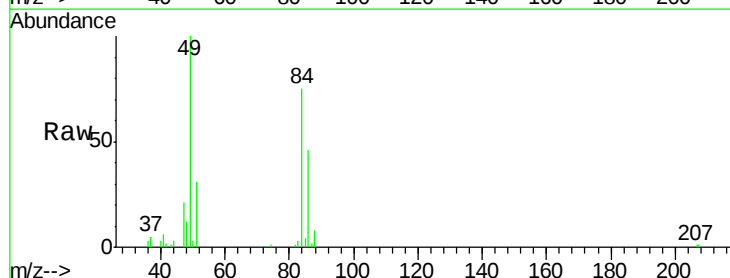
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-18-S

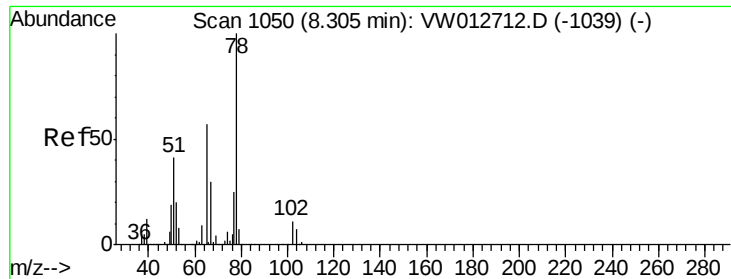
Tot Ion: 76 Resp: 4672  
Ion Ratio Lower Upper  
76 100  
78 10.5 7.2 10.8



#20  
Methylene Chloride  
Concen: 6.217 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW012888.D  
Acq: 11 Sep 2019 00:36

Tgt Ion: 84 Resp: 14803  
Ion Ratio Lower Upper  
84 100  
49 133.1 115.4 173.0  
51 40.8 34.9 52.3  
86 61.6 52.2 78.4

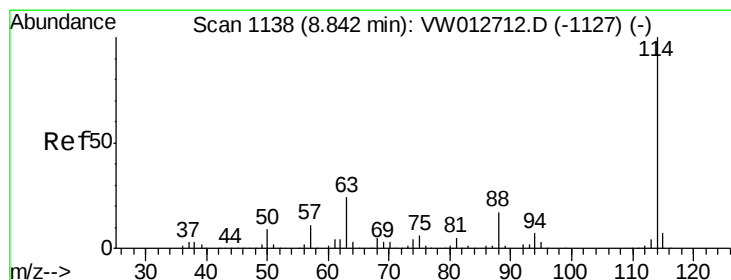
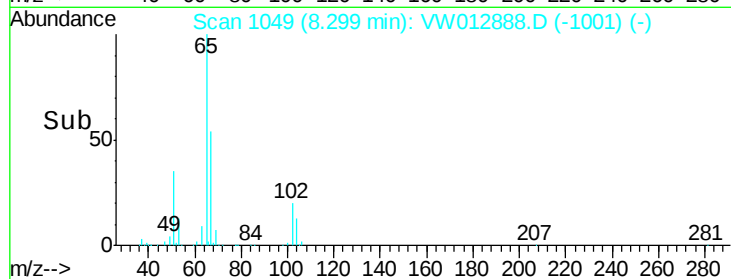
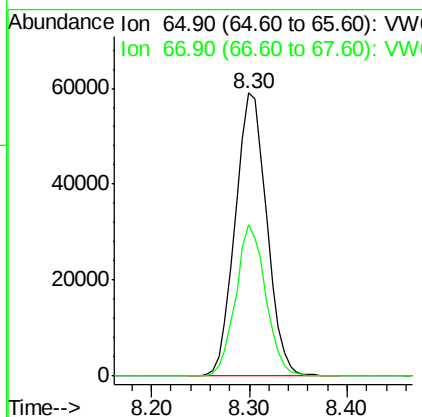
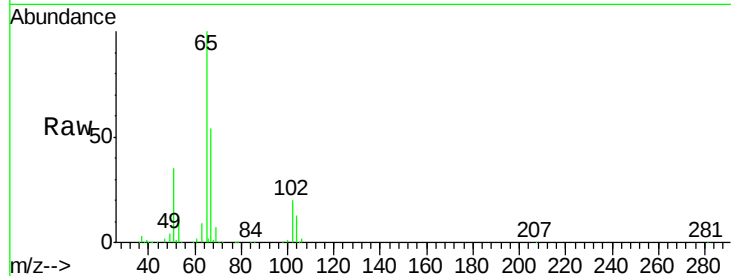




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.456 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW012888.D  
 Acq: 11 Sep 2019 00:36

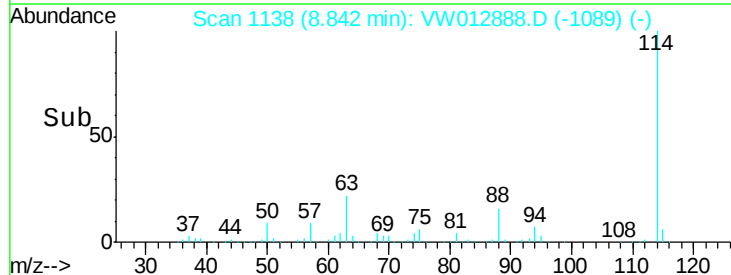
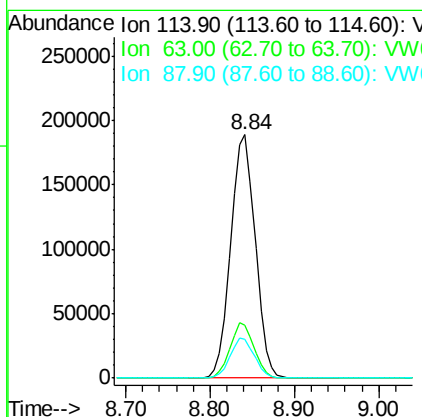
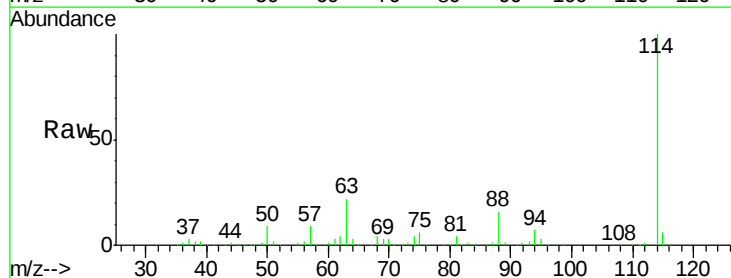
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-18-S

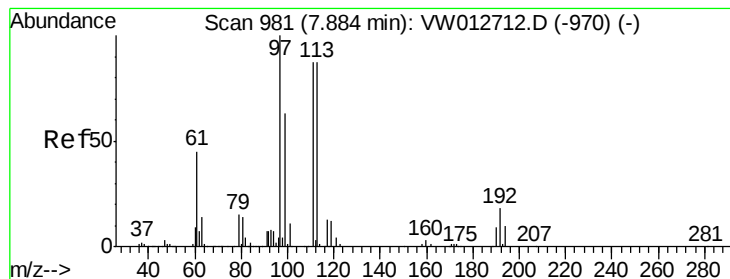
Tot Ion: 65 Resp: 132489  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW012888.D  
 Acq: 11 Sep 2019 00:36

Tgt Ion: 114 Resp: 373133  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 0.0 47.2  
 88 16.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.125 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA\_W

ClientSampleId :

TP-18-S

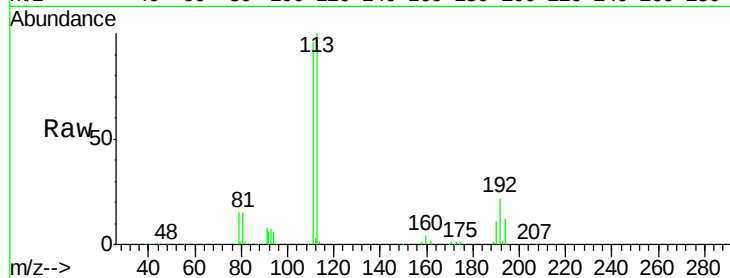
Tot Ion:113 Resp: 108978

Ion Ratio Lower Upper

113 100

111 103.0 80.2 120.4

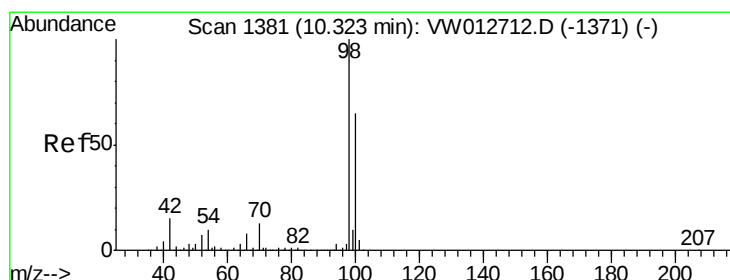
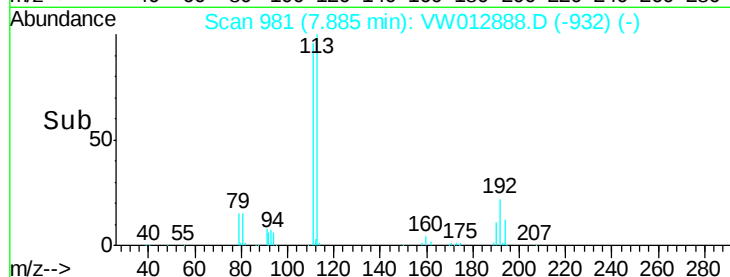
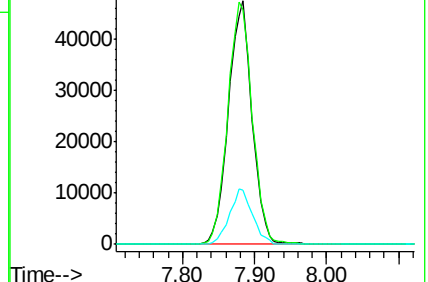
192 22.2 17.3 25.9



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: 51.459 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012888.D

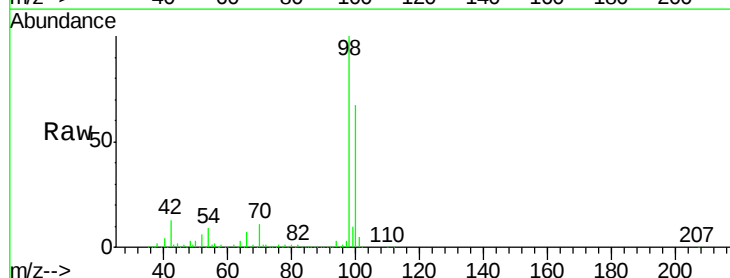
Acq: 11 Sep 2019 00:36

Tgt Ion: 98 Resp: 447236

Ion Ratio Lower Upper

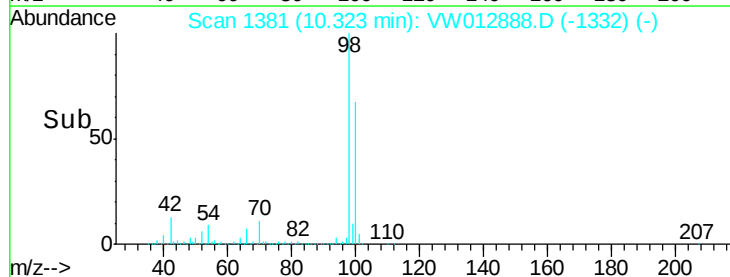
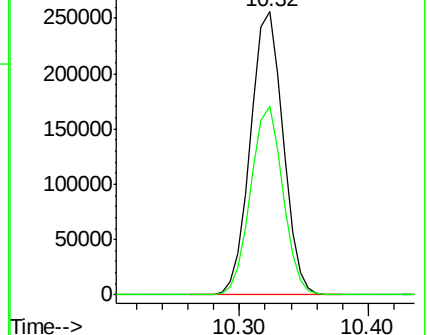
98 100

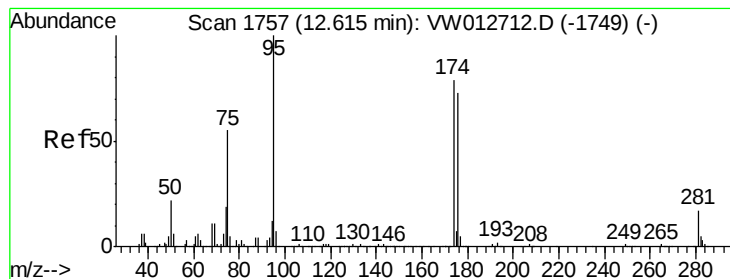
100 65.5 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.629 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA\_W

ClientSampleId :

TP-18-S

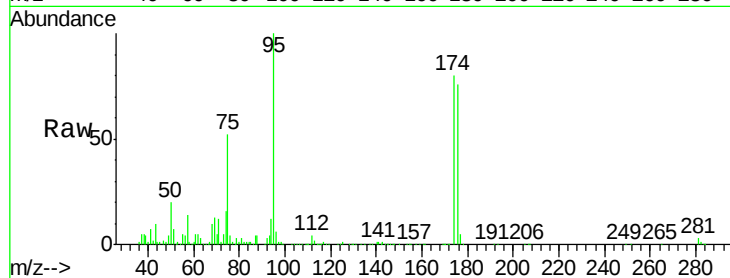
Tot Ion: 95 Resp: 143965

Ion Ratio Lower Upper

95 100

174 84.8 0.0 161.0

176 82.2 0.0 156.4



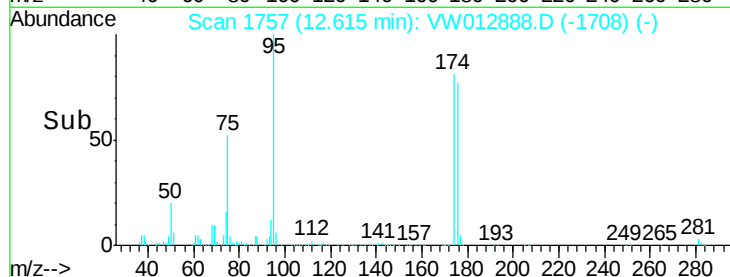
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time-->



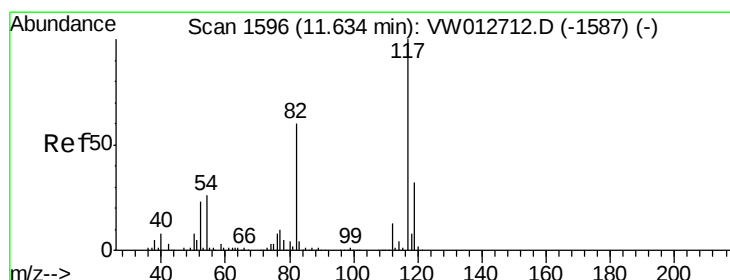
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

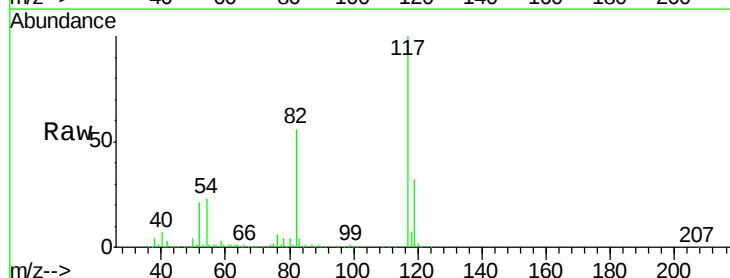
Tgt Ion: 117 Resp: 320112

Ion Ratio Lower Upper

117 100

82 56.2 48.2 72.4

119 31.6 25.8 38.6



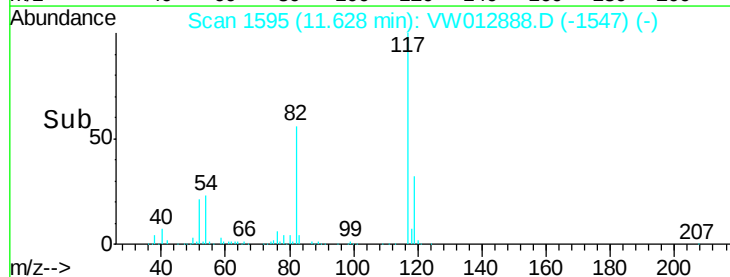
Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

Time-->



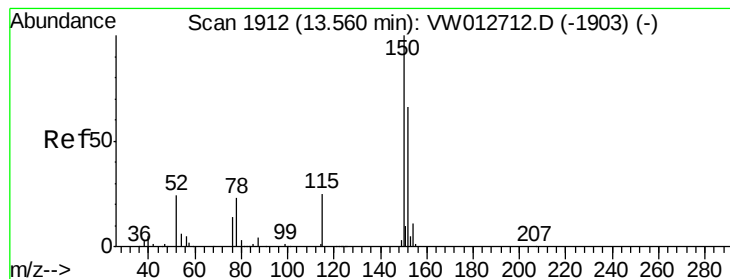
Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012888.D

Acq: 11 Sep 2019 00:36

Instrument :

MSVOA\_W

ClientSampleId :

TP-18-S

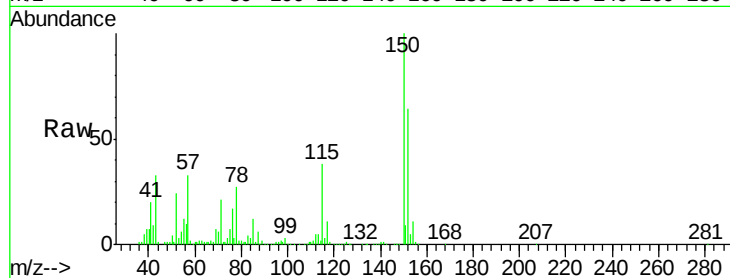
Tot Ion:152 Resp: 132657

Ion Ratio Lower Upper

152 100

115 57.7 30.0 90.1

150 155.1 0.0 349.0



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

