

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\  
 Data File : VW013464.D  
 Acq On : 07 Oct 2019 15:36  
 Operator : SY/VA  
 Sample : K5231-02  
 Misc : 4.98G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190761-SS-COMPOSITE-1

Quant Time: Oct 07 18:08:44 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

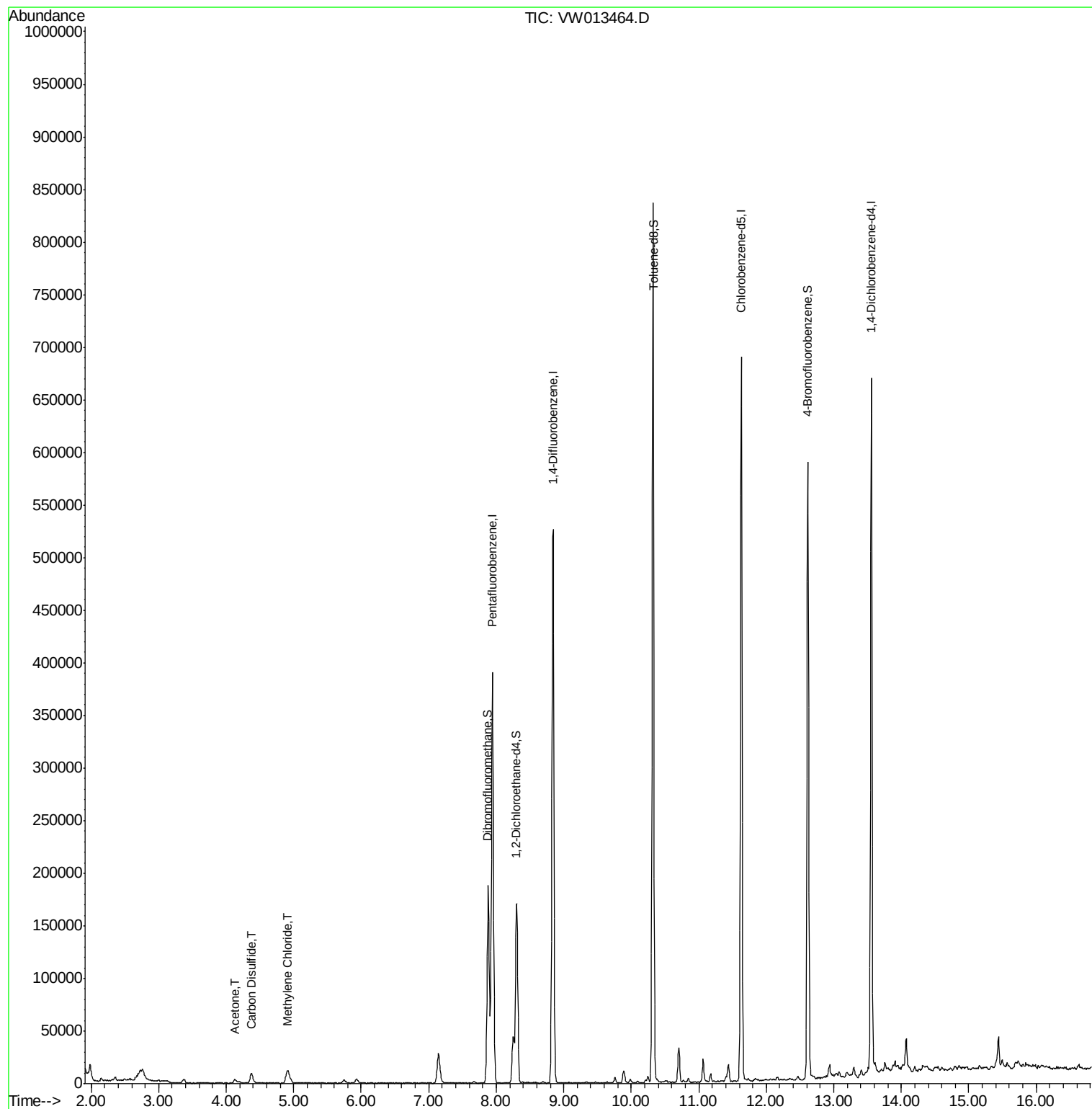
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 334166   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 490874   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 420174   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 188827   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 133460   | 53.49 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.98% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 136204   | 52.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.76% |          |
| 50) Toluene-d8              | 10.32 | 98   | 571179   | 53.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.88% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 185480   | 51.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.92% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 4.13  | 43   | 6252     | 8.175 | ug/l #  | 85       |
| 17) Carbon Disulfide        | 4.37  | 76   | 21365    | 2.490 | ug/l #  | 92       |
| 20) Methylene Chloride      | 4.92  | 84   | 10674    | 1.611 | ug/l    | 98       |

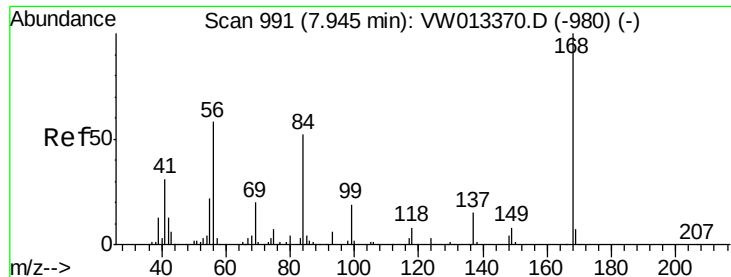
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Oct 02 11:49:57 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: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA\_W

ClientSampleId :

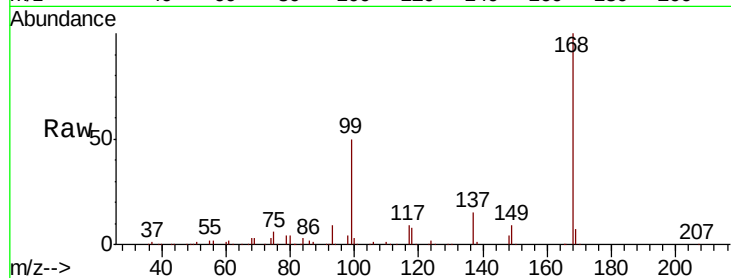
20190761-SS-COMPOSITE-1

Tot Ion:168 Resp: 334166

Ion Ratio Lower Upper

168 100

99 49.7 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

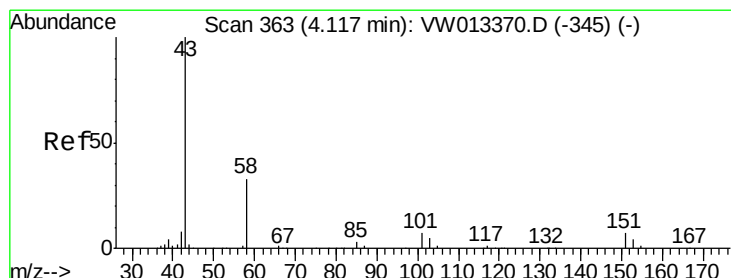
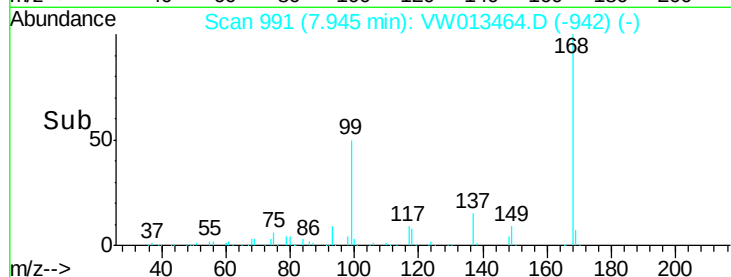
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.175 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013464.D

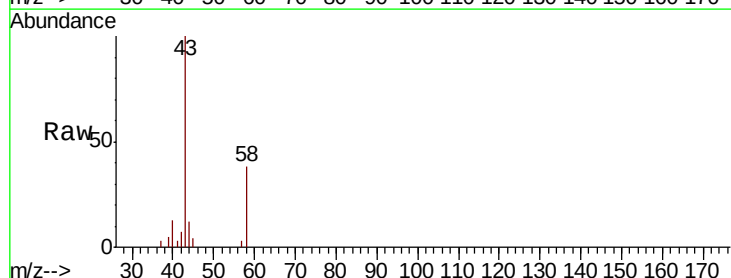
Acq: 07 Oct 2019 15:36

Tgt Ion: 43 Resp: 6252

Ion Ratio Lower Upper

43 100

58 38.3 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

2500

2000

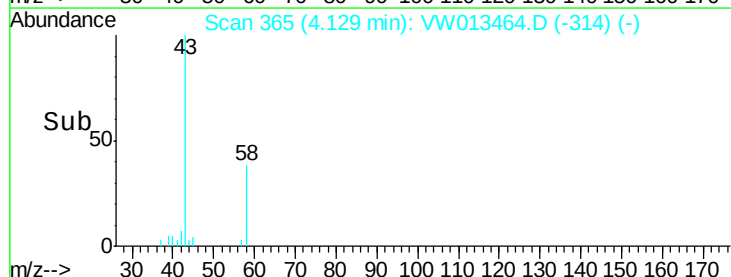
1500

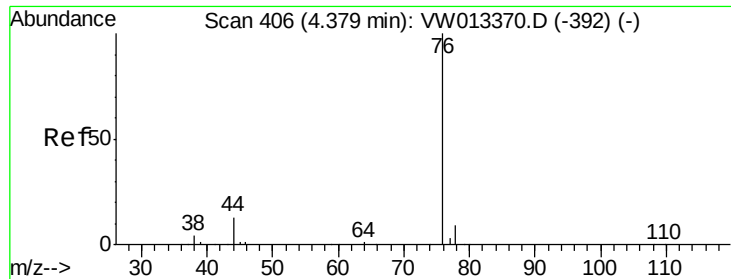
1000

500

0

Time-->

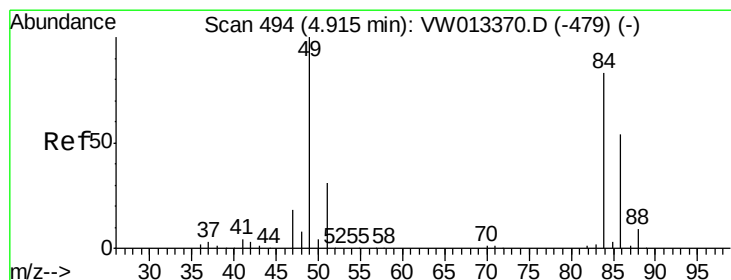
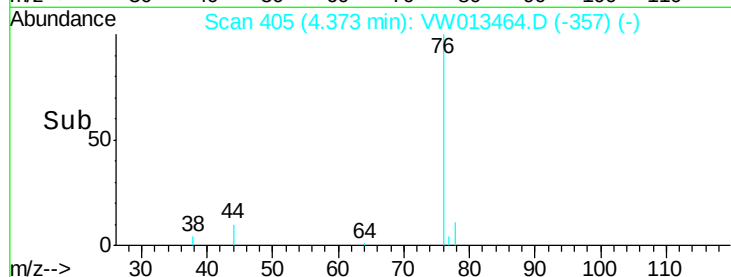
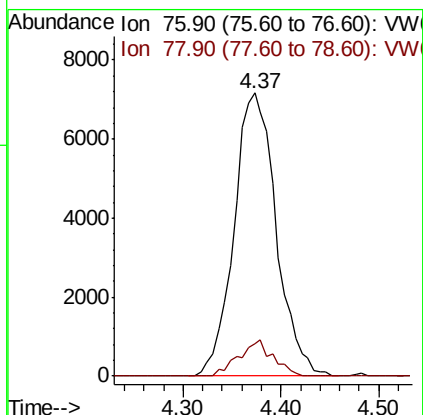
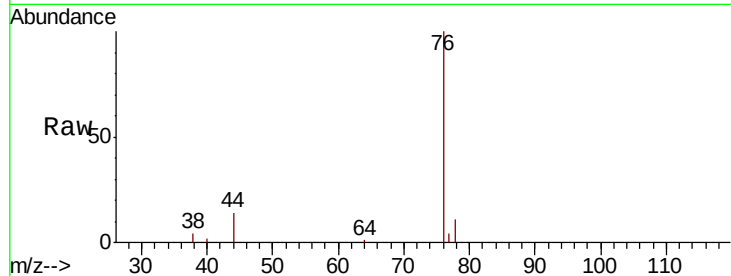




#17  
Carbon Disulfide  
Concen: 2.490 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW013464.D  
Acq: 07 Oct 2019 15:36

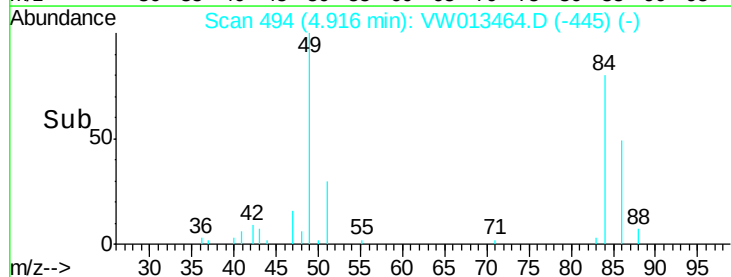
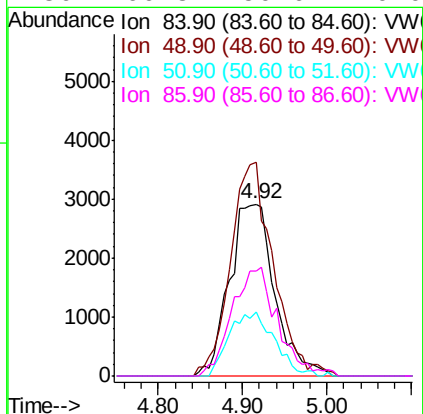
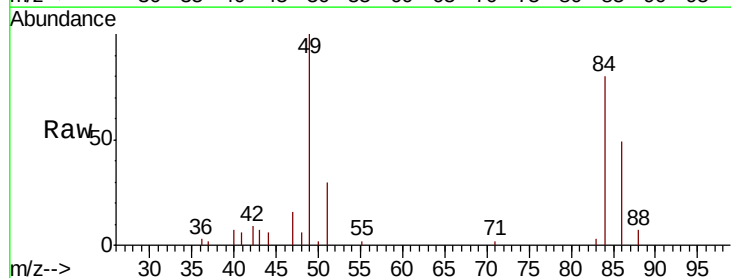
Instrument :  
MSVOA\_W  
ClientSampleId :  
20190761-SS-COMPOSITE-1

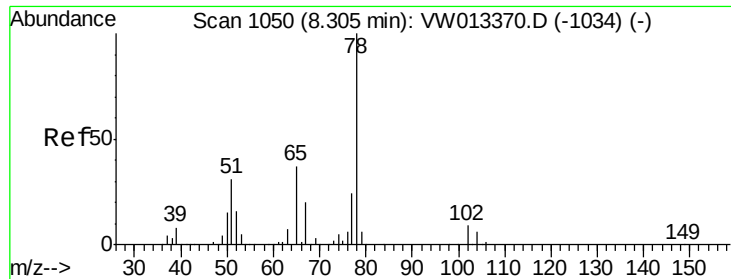
Tot Ion: 76 Resp: 21365  
Ion Ratio Lower Upper  
76 100  
78 11.4 7.0 10.4#



#20  
Methylene Chloride  
Concen: 1.611 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW013464.D  
Acq: 07 Oct 2019 15:36

Tgt Ion: 84 Resp: 10674  
Ion Ratio Lower Upper  
84 100  
49 124.2 97.6 146.4  
51 37.4 30.2 45.2  
86 60.8 50.6 76.0

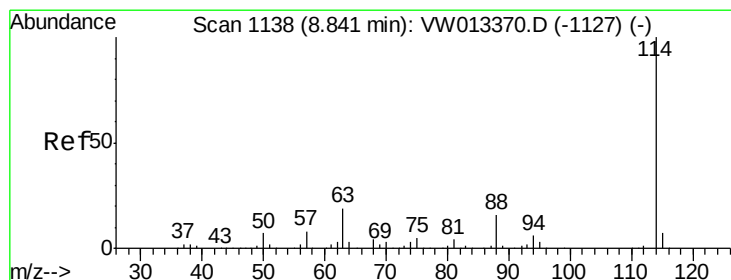
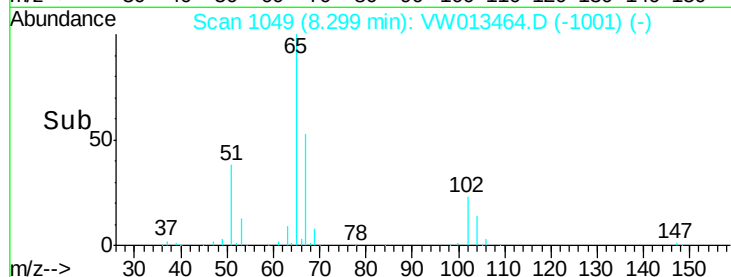
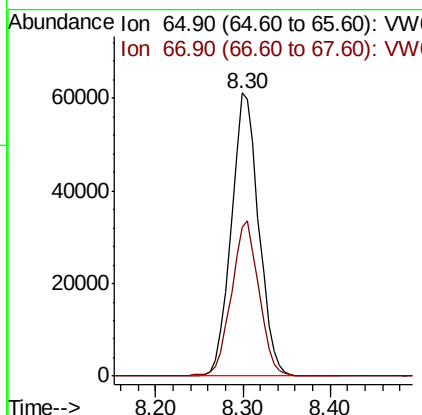
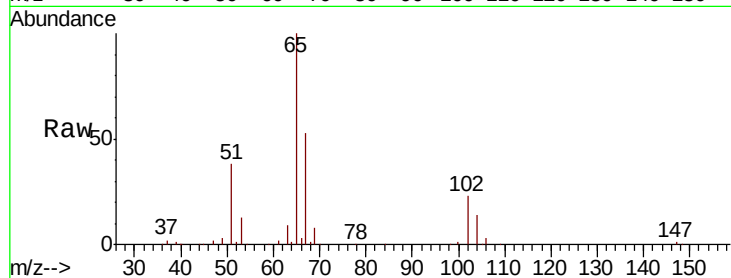




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.488 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW013464.D  
 Acq: 07 Oct 2019 15:36

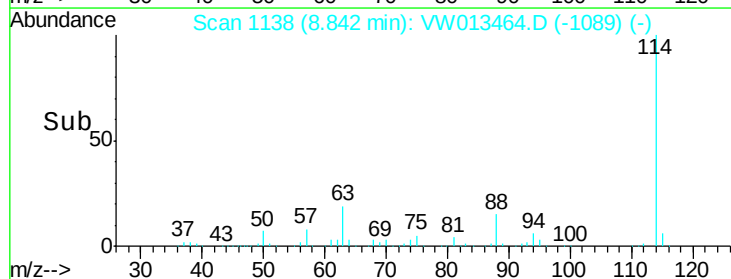
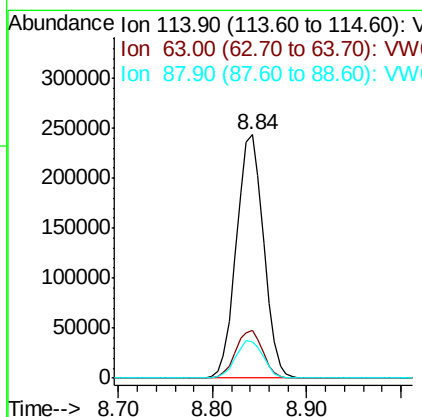
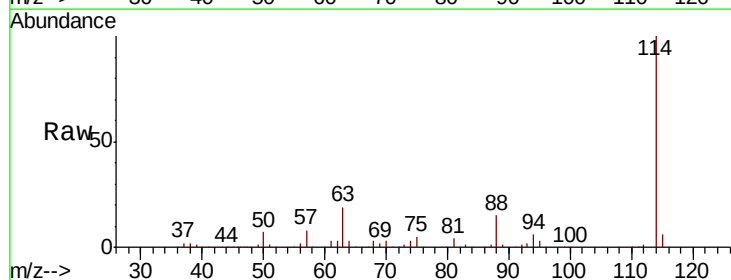
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 20190761-SS-COMPOSITE-1

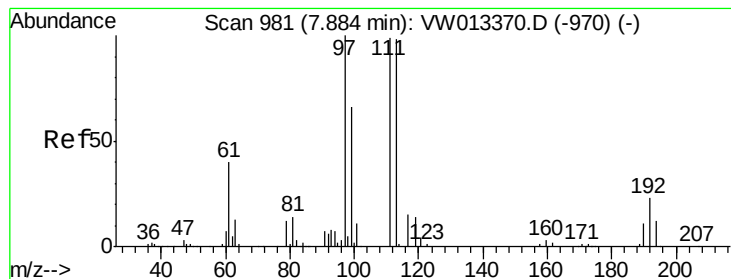
Tot Ion: 65 Resp: 133460  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW013464.D  
 Acq: 07 Oct 2019 15:36

Tgt Ion: 114 Resp: 490874  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 41.4  
 88 14.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.880 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA\_W

ClientSampleId :

20190761-SS-COMPOSITE-1

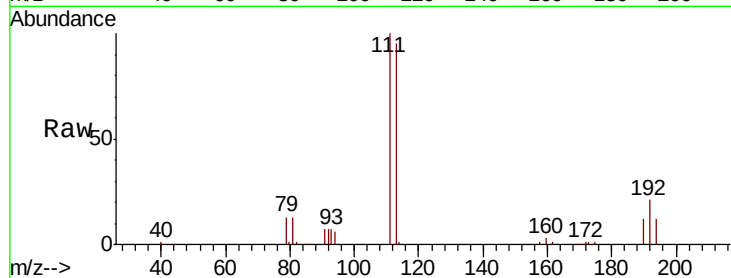
Tot Ion:113 Resp: 136204

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 105.0 | 81.9  | 122.9 |
| 192 | 25.1  | 19.1  | 28.7  |

113 100

111 105.0 81.9 122.9

192 25.1 19.1 28.7

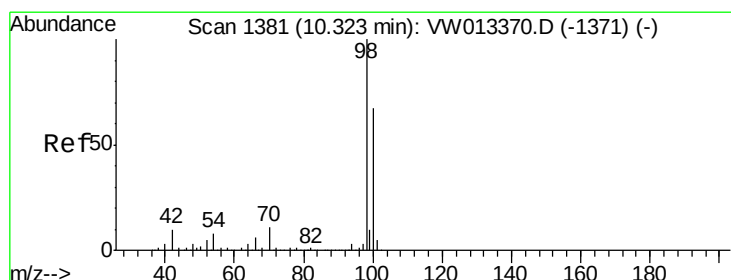
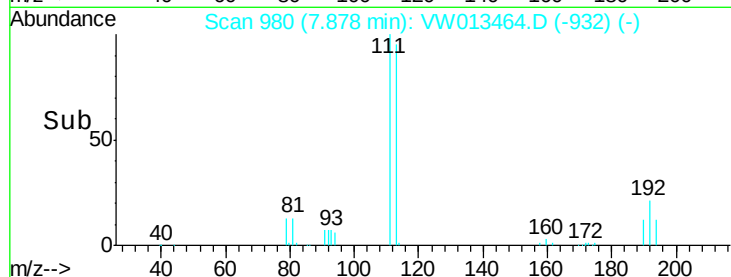
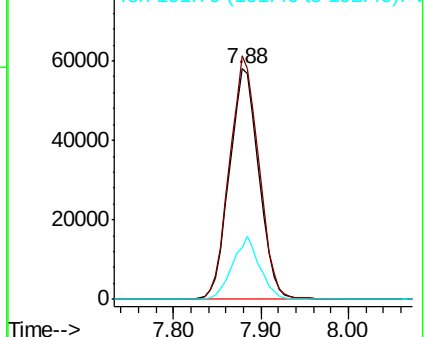


Abundance

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: 53.437 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013464.D

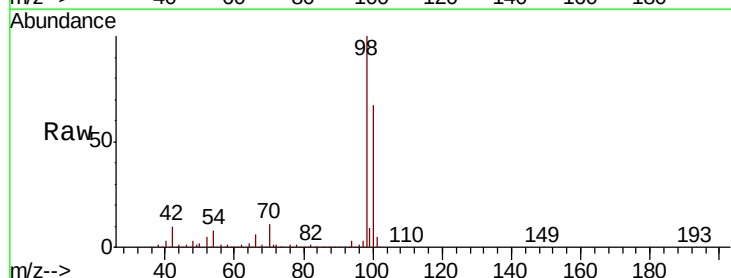
Acq: 07 Oct 2019 15:36

Tgt Ion: 98 Resp: 571179

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 66.4  | 52.9  | 79.3  |

98 100

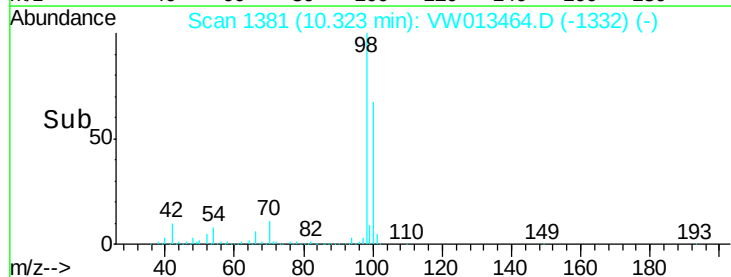
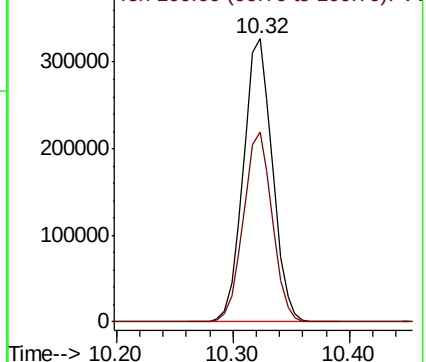
100 66.4 52.9 79.3

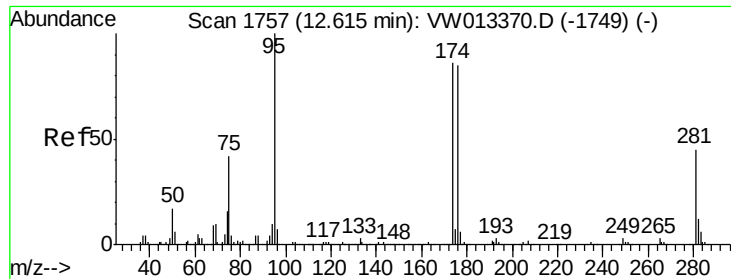


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 51.964 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA\_W

ClientSampleId :

20190761-SS-COMPOSITE-1

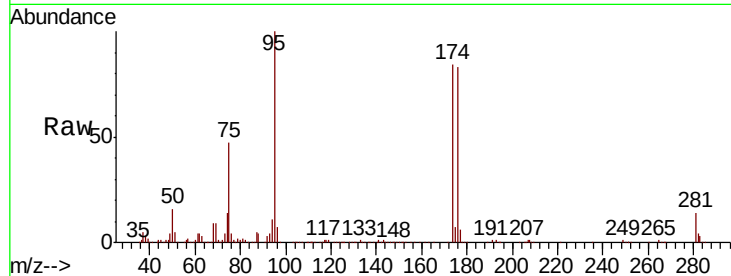
Tot Ion: 95 Resp: 185480

Ion Ratio Lower Upper

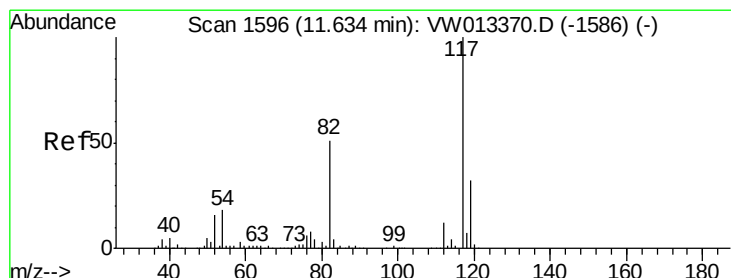
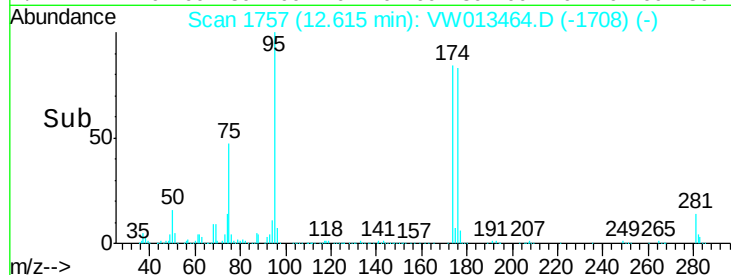
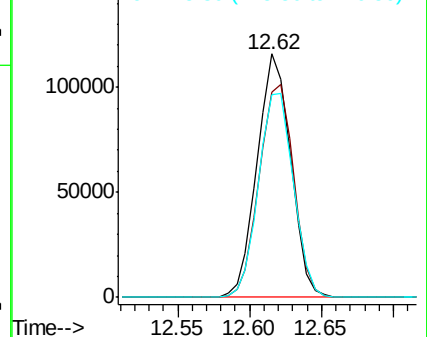
95 100

174 90.4 0.0 178.4

176 87.7 0.0 172.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

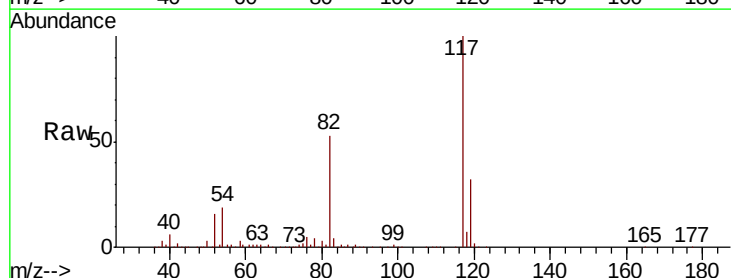
Tgt Ion: 117 Resp: 420174

Ion Ratio Lower Upper

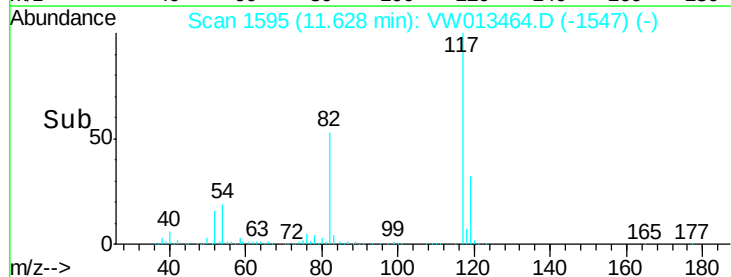
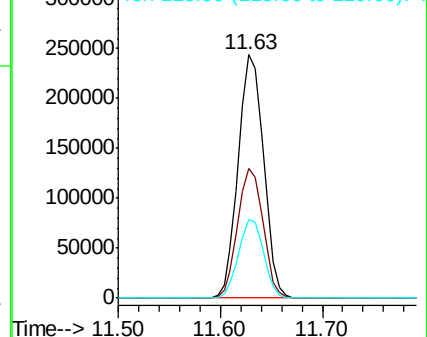
117 100

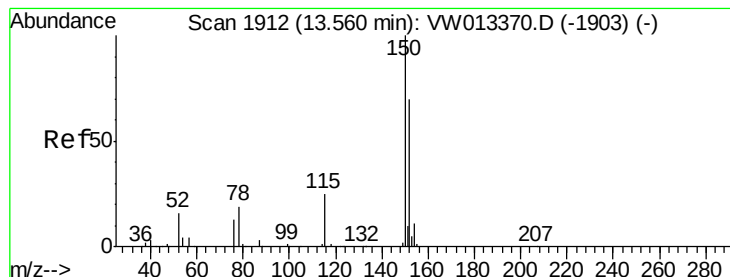
82 53.0 45.9 68.9

119 32.2 26.2 39.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA\_W

ClientSampleId :

20190761-SS-COMPOSITE-1

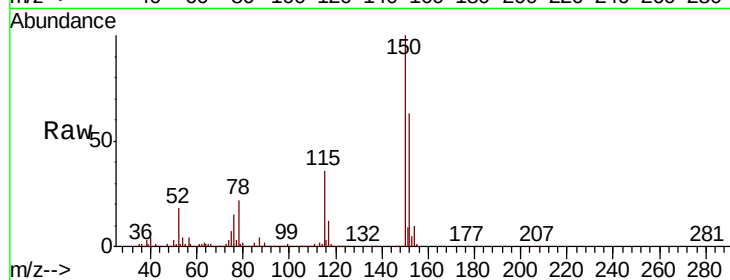
Tot Ion:152 Resp: 188827

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

150 157.5 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

