

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\  
 Data File : VW012029.D  
 Acq On : 20 Aug 2019 14:10  
 Operator : SY/VA  
 Sample : K4386-14  
 Misc : 5.48G/5ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T6-A3-(0)

Quant Time: Aug 20 17:58:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

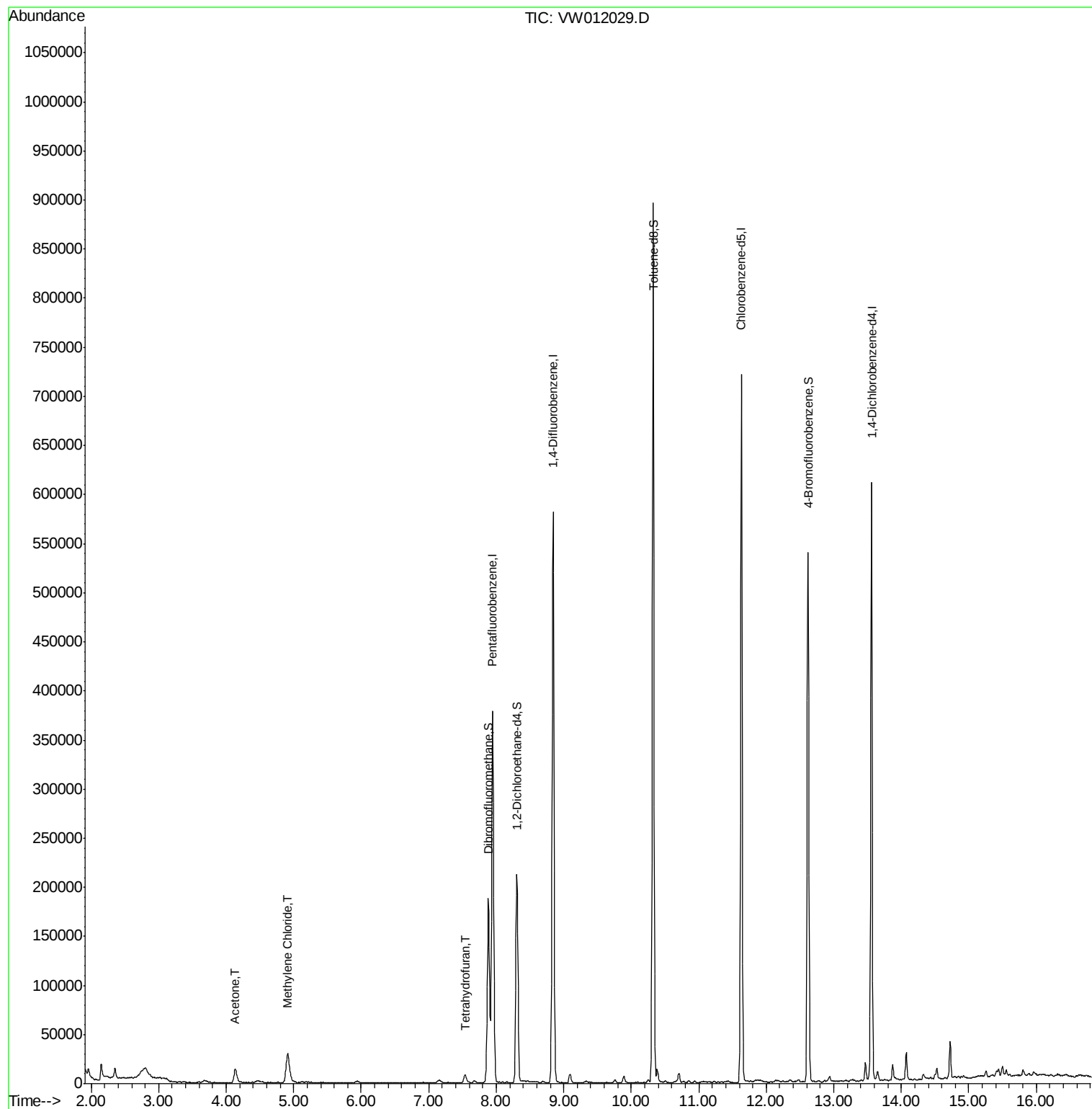
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 276424   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 457435   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 377073   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 150980   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 166021   | 52.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.60% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 135859   | 52.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.88% |          |
| 50) Toluene-d8              | 10.32 | 98   | 559269   | 53.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.46% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 179499   | 47.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.84%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 27923    | 27.655 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.91  | 84   | 23399    | 6.720  | ug/l    | 98       |
| 29) Tetrahydrofuran         | 7.54  | 42   | 7397     | 9.795  | ug/l    | 96       |

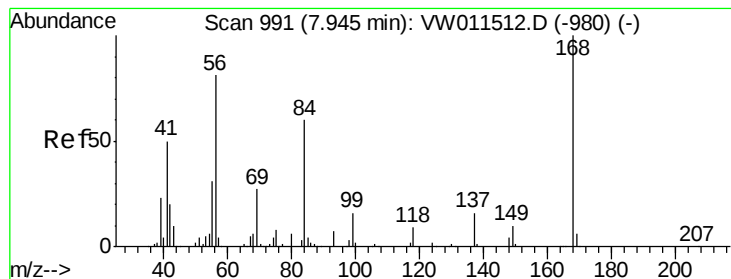
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082019\  
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T6-A3-(0)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 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: VW012029.D

Acq: 20 Aug 2019 14:10

Instrument :

MSVOA\_W

ClientSampleId :

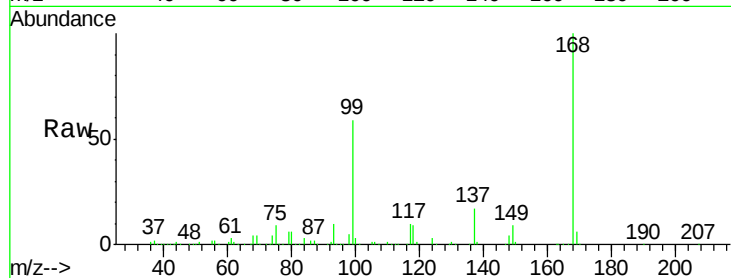
T6-A3-(0)

Tot Ion:168 Resp: 276424

Ion Ratio Lower Upper

168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

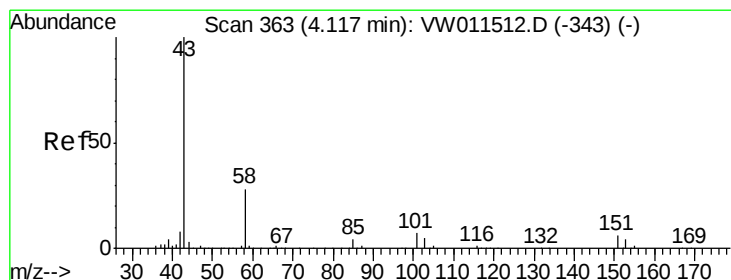
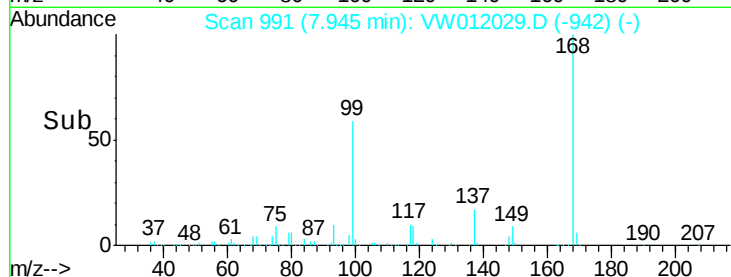
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 27.655 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012029.D

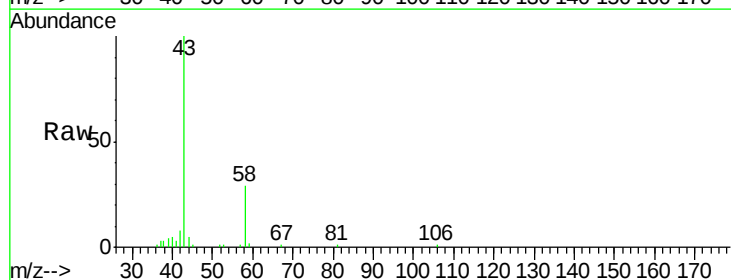
Acq: 20 Aug 2019 14:10

Tgt Ion: 43 Resp: 27923

Ion Ratio Lower Upper

43 100

58 28.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

10000

8000

6000

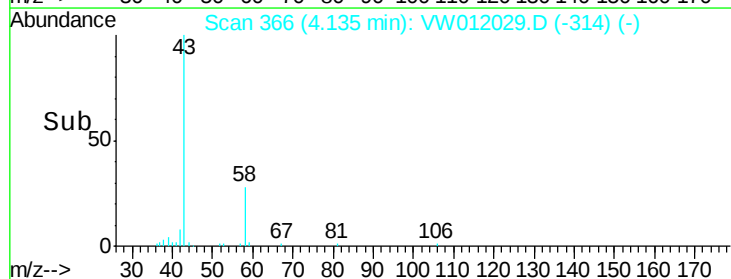
4000

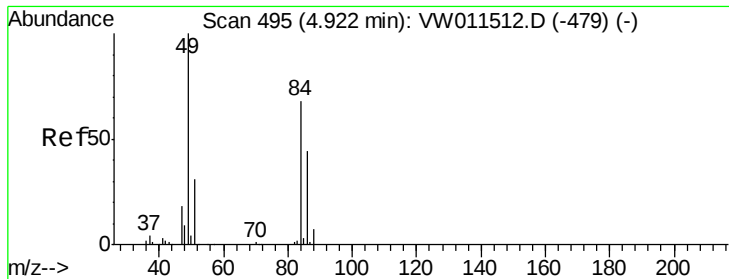
2000

0

4.00 4.10 4.20

Time-->

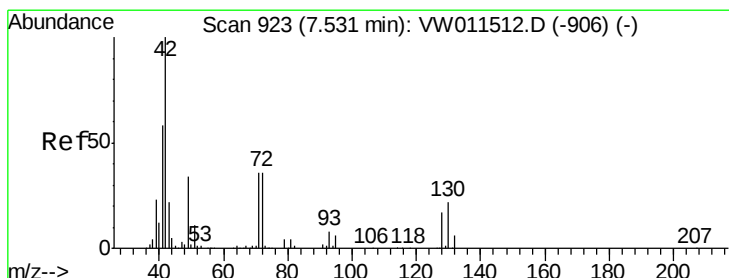
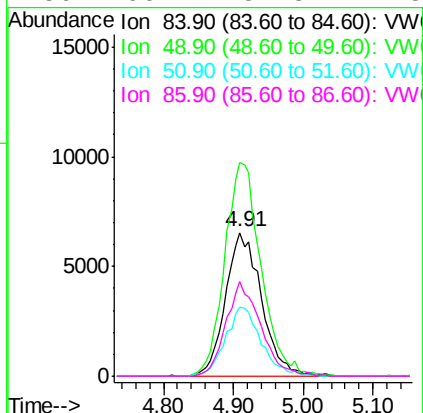
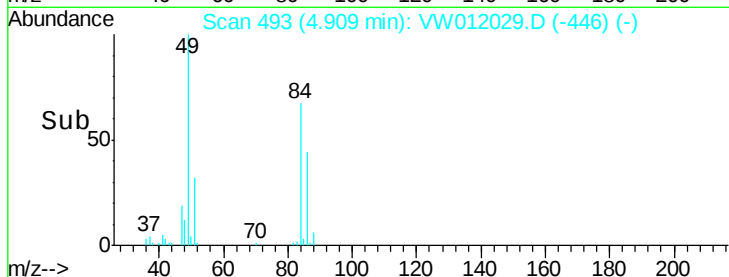
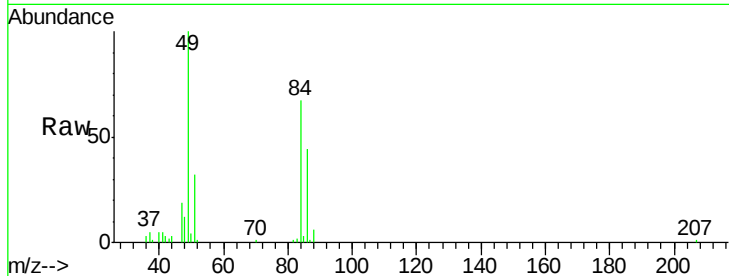




#20  
Methvlene Chloride  
Concen: 6.720 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW012029.D  
Acq: 20 Aug 2019 14:10

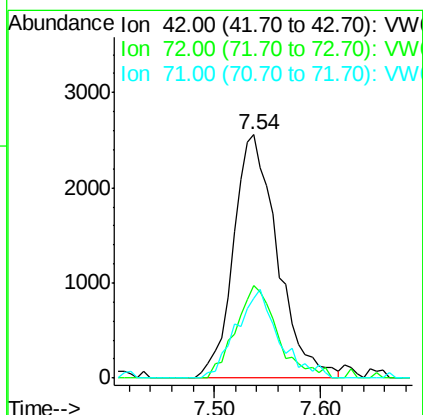
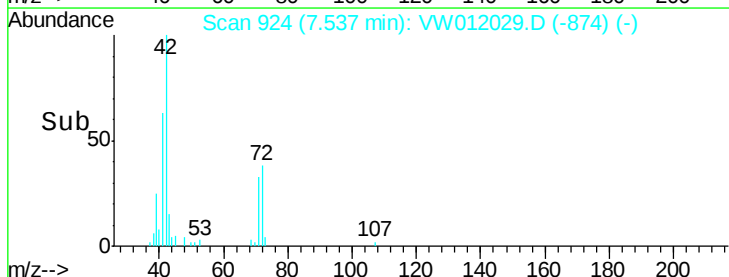
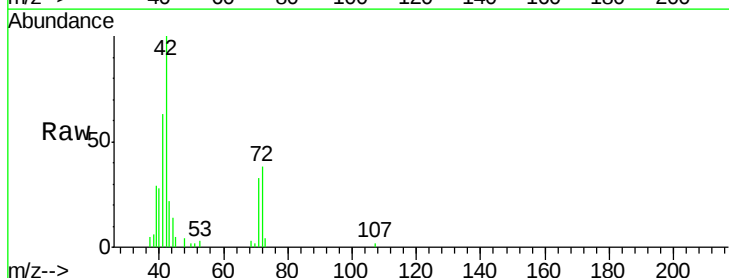
Instrument :  
MSVOA\_W  
ClientSampleId :  
T6-A3-(0)

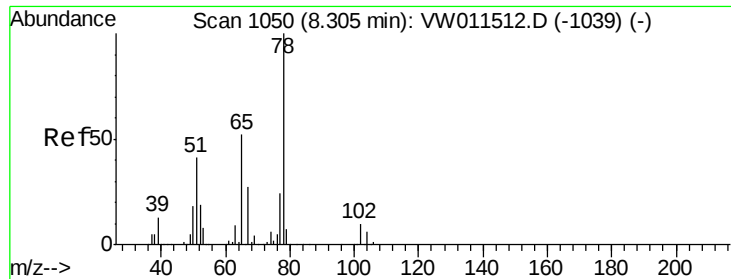
| Tot Ion: | 84    | Resp: | 23399 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 148.9 | 117.8 | 176.6 |
| 51       | 48.0  | 37.0  | 55.4  |
| 86       | 66.1  | 51.8  | 77.8  |



#29  
Tetrahydrofuran  
Concen: 9.795 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VW012029.D  
Acq: 20 Aug 2019 14:10

| Tgt Ion: | 42    | Resp: | 7397  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 36.1  | 27.1  | 40.7  |
| 71       | 35.1  | 26.2  | 39.4  |

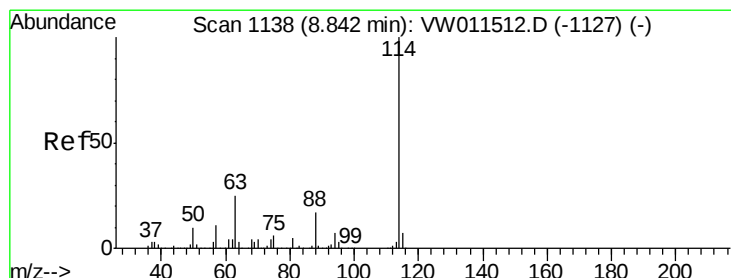
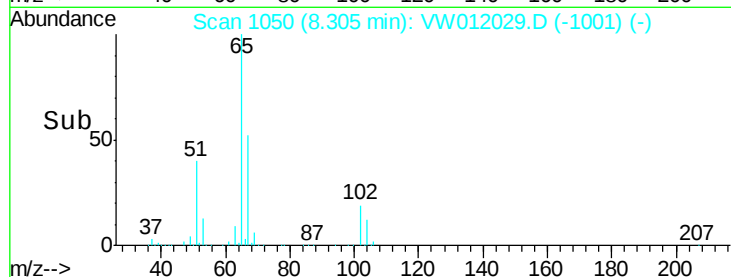
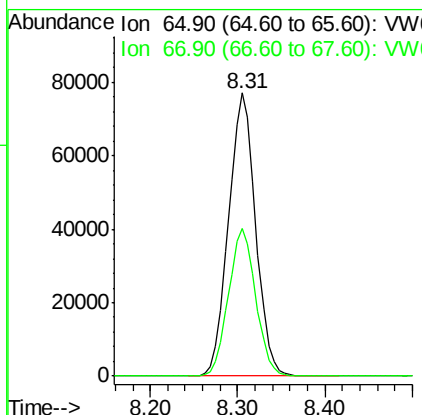
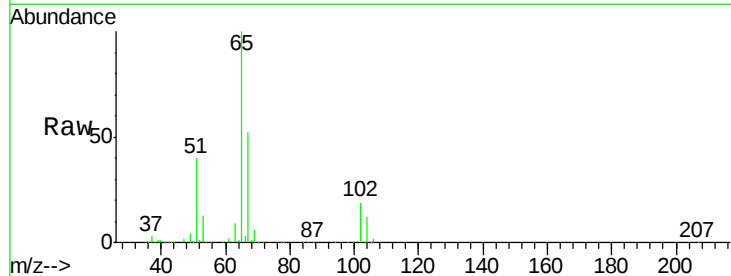




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.305 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012029.D  
 Acq: 20 Aug 2019 14:10

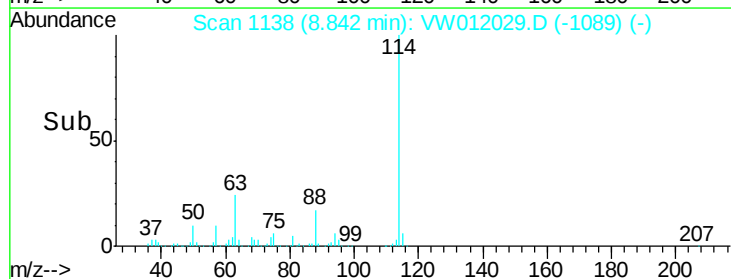
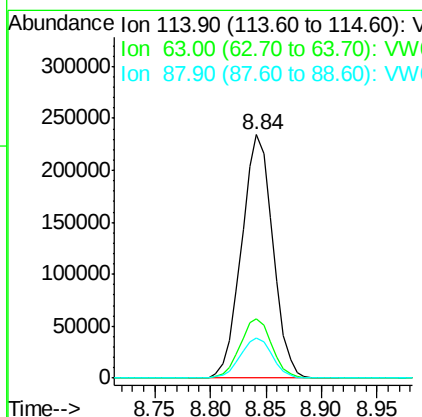
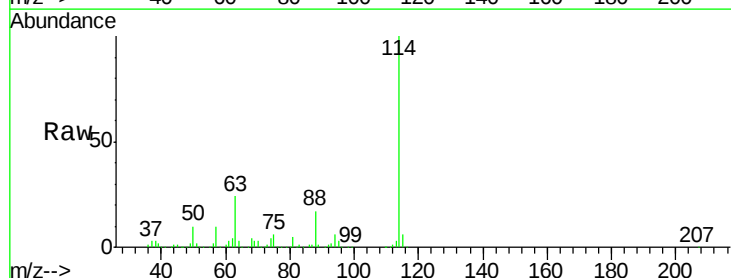
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T6-A3-(0)

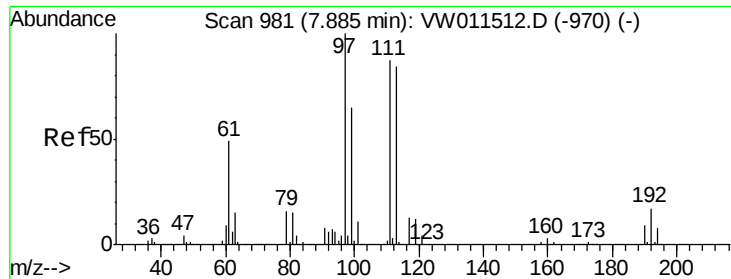
Tot Ion: 65 Resp: 166021  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012029.D  
 Acq: 20 Aug 2019 14:10

Tgt Ion: 114 Resp: 457435  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 0.0 49.2  
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.940 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012029.D

Acq: 20 Aug 2019 14:10

Instrument :

MSVOA\_W

ClientSampleId :

T6-A3-(0)

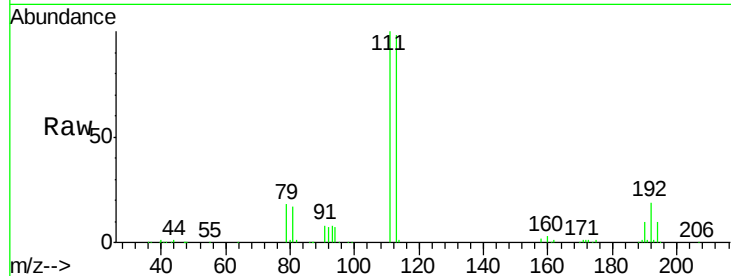
Tot Ion:113 Resp: 135859

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

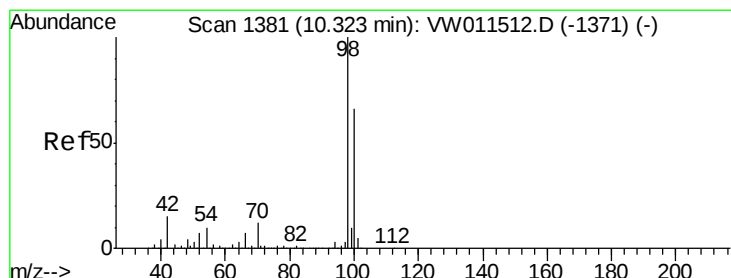
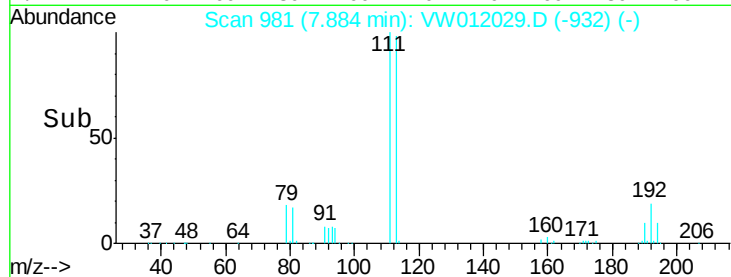
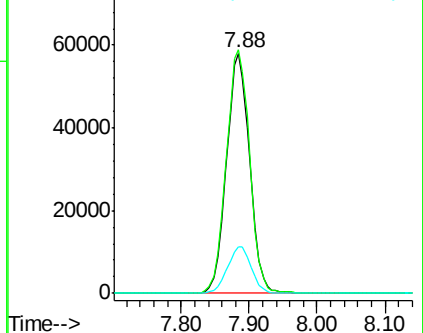
192 19.9 16.1 24.1



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: 53.227 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012029.D

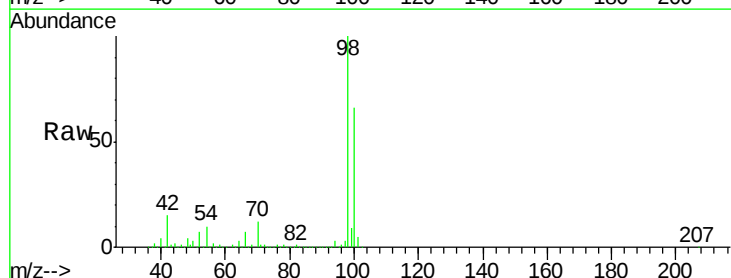
Acq: 20 Aug 2019 14:10

Tgt Ion: 98 Resp: 559269

Ion Ratio Lower Upper

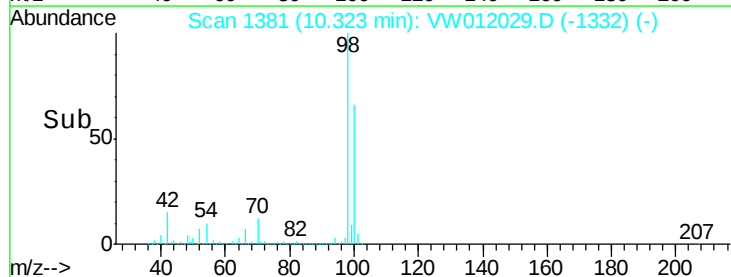
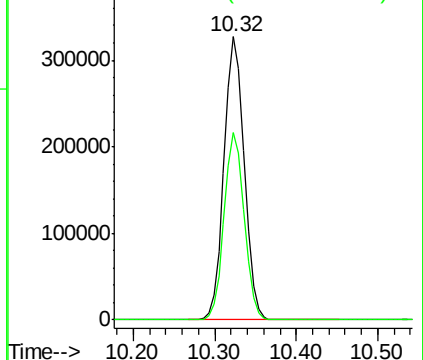
98 100

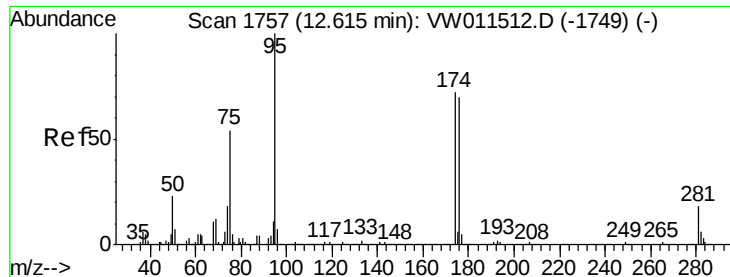
100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.917 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012029.D

Acq: 20 Aug 2019 14:10

Instrument :

MSVOA\_W

ClientSampled :

T6-A3-(0)

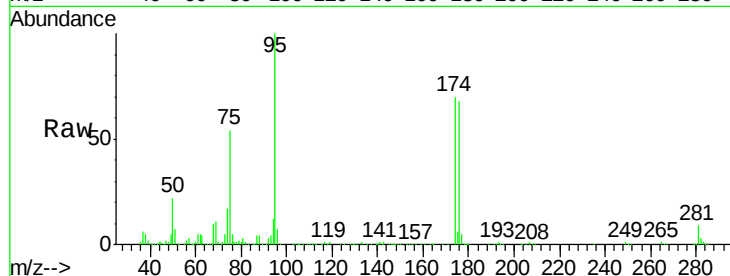
Tot Ion: 95 Resp: 179499

Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

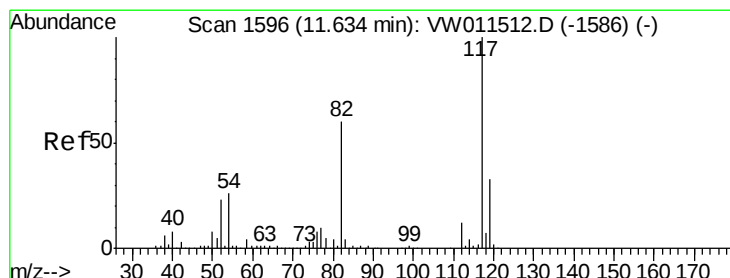
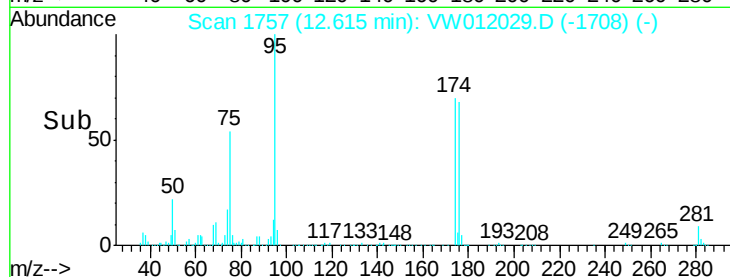
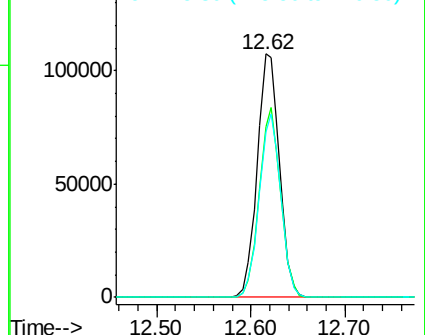
176 73.0 0.0 144.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012029.D

Acq: 20 Aug 2019 14:10

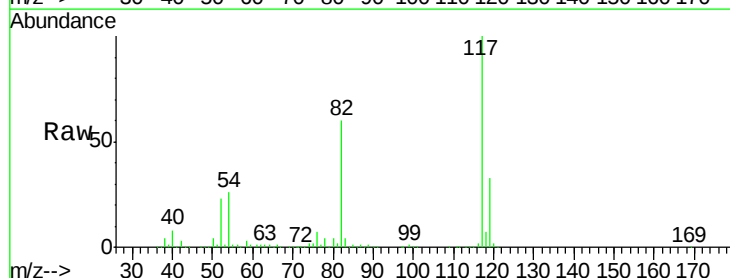
Tgt Ion: 117 Resp: 377073

Ion Ratio Lower Upper

117 100

82 60.2 47.9 71.9

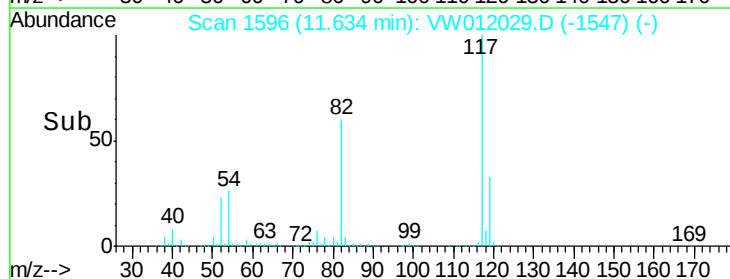
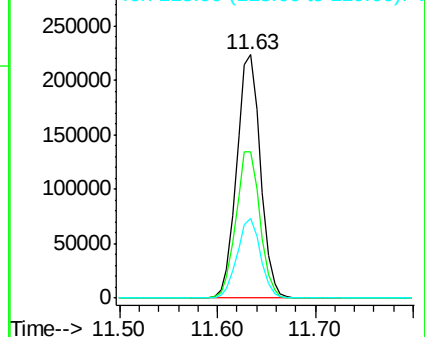
119 32.7 26.2 39.2

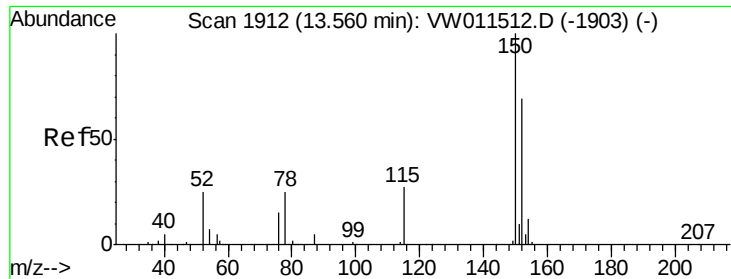


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012029.D

Acq: 20 Aug 2019 14:10

Instrument :

MSVOA\_W

ClientSampleId :

T6-A3-(0)

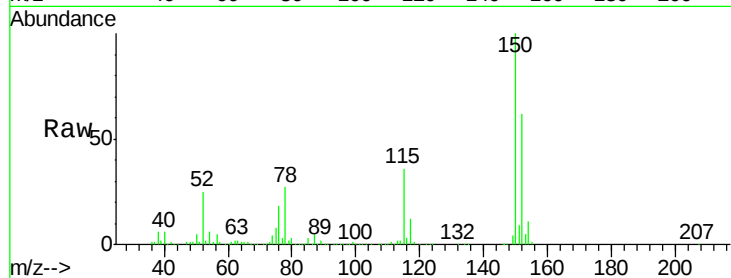
Tot Ion:152 Resp: 150980

Ion Ratio Lower Upper

152 100

115 60.5 30.5 91.5

150 159.7 0.0 352.6



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

