

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\  
 Data File : VW004159.D  
 Acq On : 24 Jul 2018 02:27  
 Operator : SY/AP  
 Sample : J4062-13  
 Misc : 7.35G/5ML/MSVOA W/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-5

Quant Time: Jul 24 06:53:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 16 15:06:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 141090   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 253052   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 208181   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 72128    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 92872    | 58.89 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 117.78% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 78917    | 48.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.20%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 238600   | 37.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 75.74%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 63651    | 28.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 56.04%  |          |

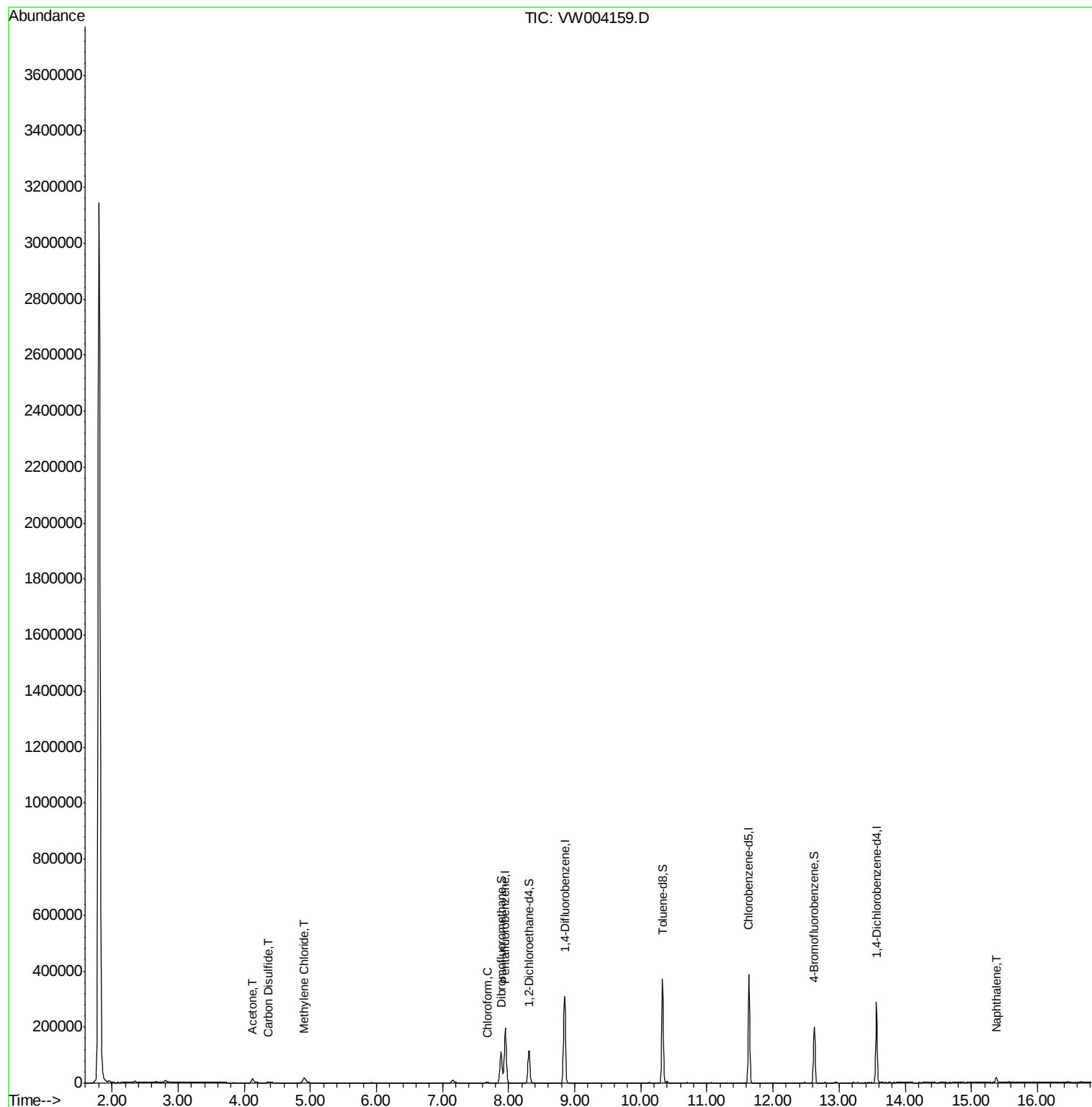
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone            | 4.13  | 43   | 26211    | 69.16 | ug/l  | 98     |
| 17) Carbon Disulfide   | 4.37  | 76   | 8783     | 2.05  | ug/l  | # 91   |
| 20) Methylene Chloride | 4.90  | 84   | 14967    | 1.29  | ug/l  | 91     |
| 30) Chloroform         | 7.68  | 83   | 3480     | 1.25  | ug/l  | 85     |
| 95) Naphthalene        | 15.38 | 128  | 16437    | 5.84  | ug/l  | 97     |

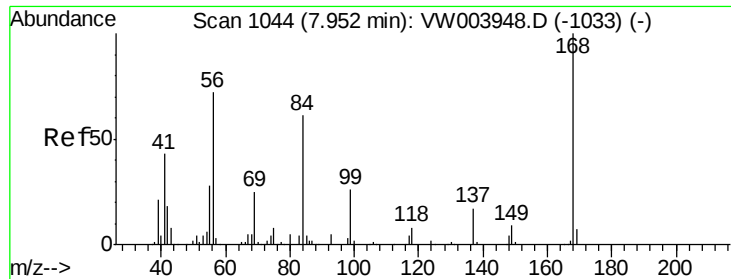
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072318\  
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Quant Title : SW846 8260  
QLast Update : Mon Jul 16 15:06:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

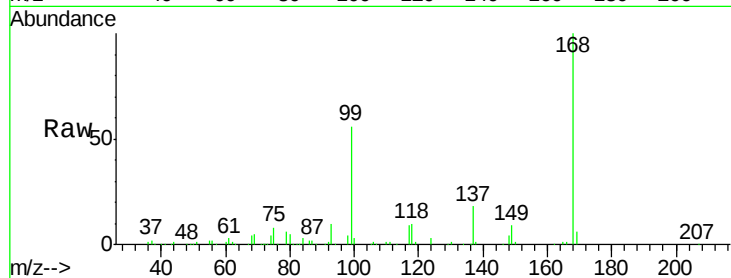
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-5

Tot Ion:168 Resp: 141090

Ion Ratio Lower Upper

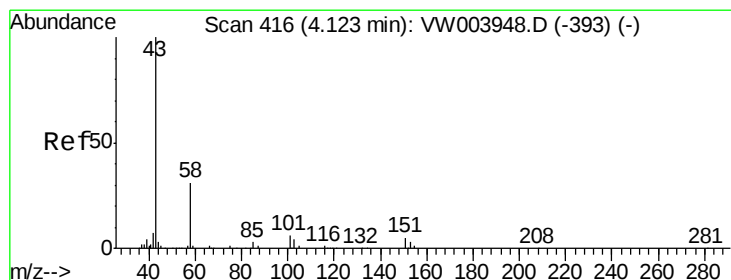
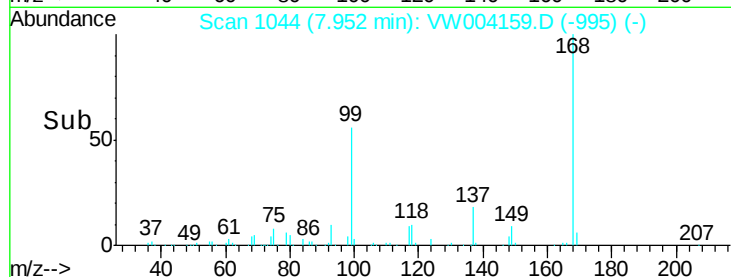
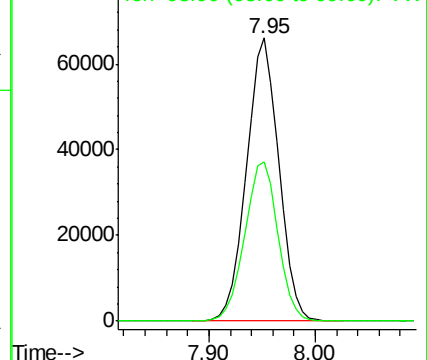
168 100

99 56.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 69.16 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004159.D

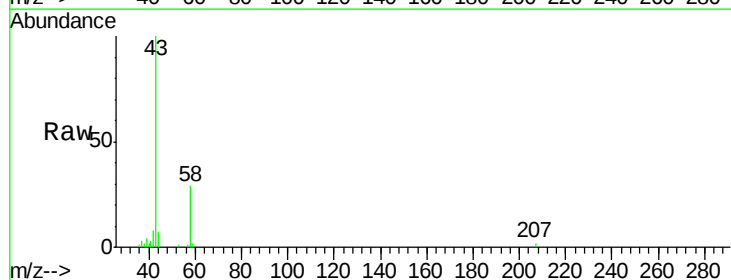
Acq: 24 Jul 2018 02:27

Tgt Ion: 43 Resp: 26211

Ion Ratio Lower Upper

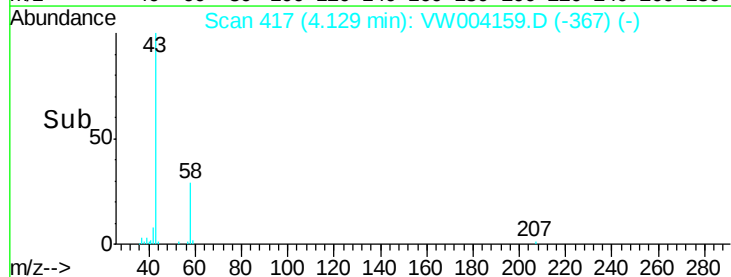
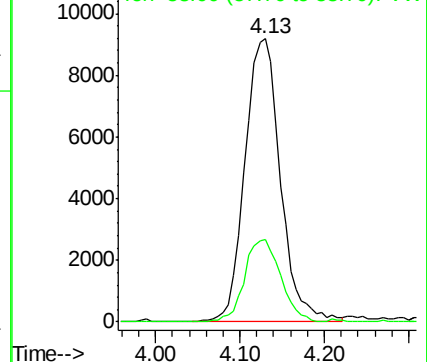
43 100

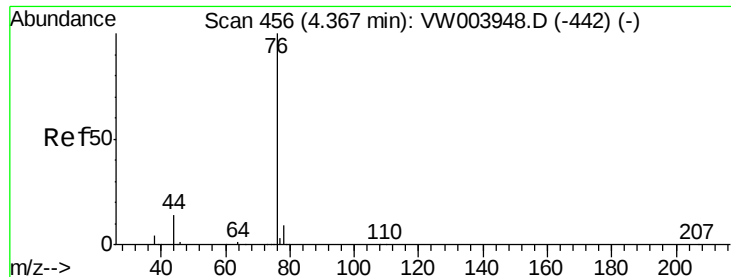
58 29.2 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

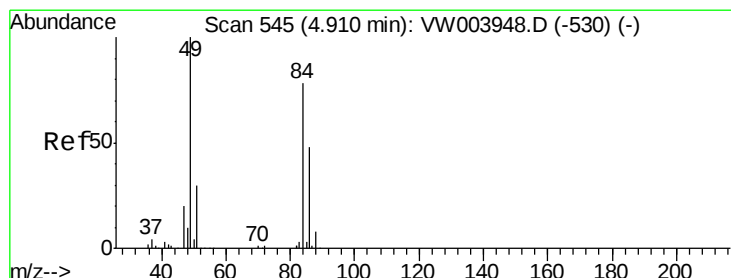
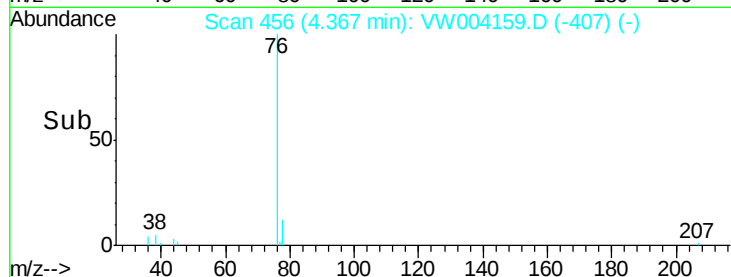
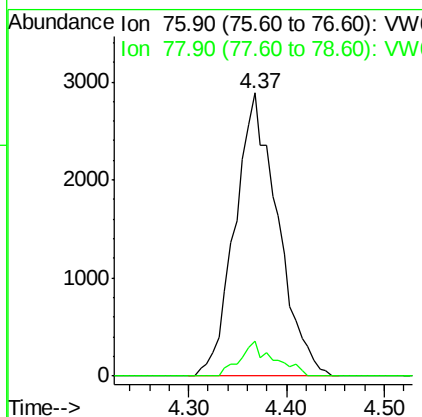
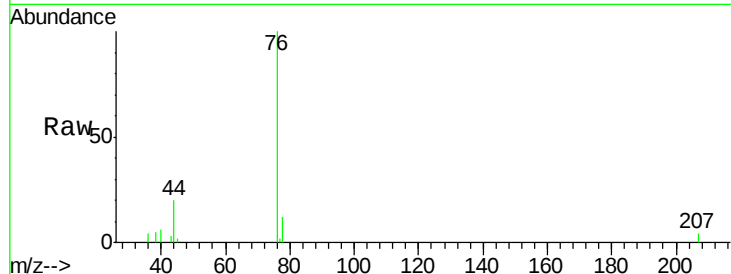




#17  
Carbon Disulfide  
Concen: 2.05 ug/l  
RT: 4.37 min Scan# 456  
Delta R.T. 0.00 min  
Lab File: VW004159.D  
Acq: 24 Jul 2018 02:27

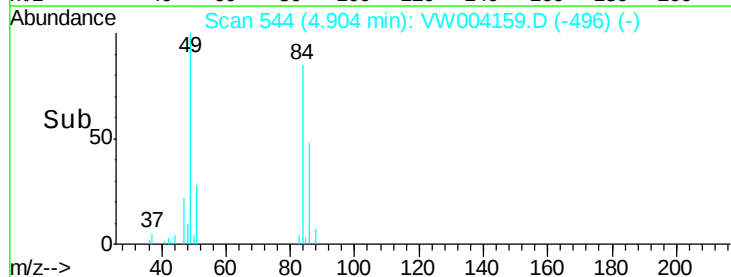
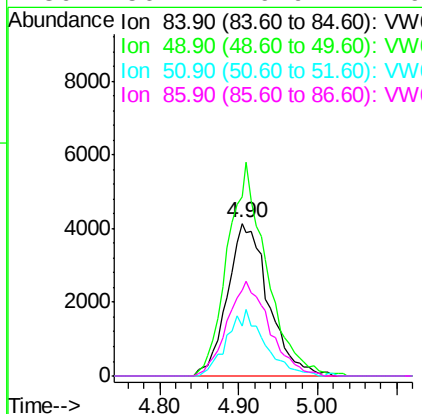
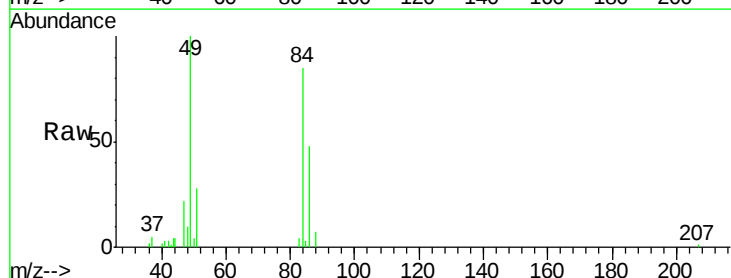
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-5

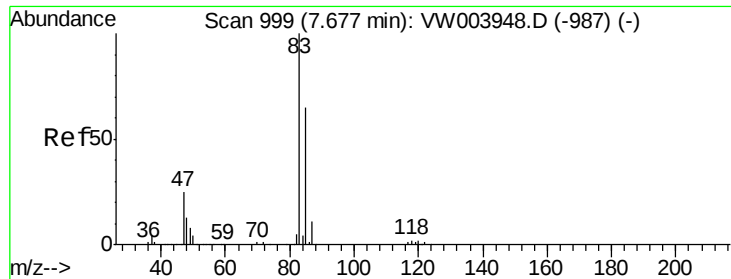
Tot Ion: 76 Resp: 8783  
Ion Ratio Lower Upper  
76 100  
78 12.3 7.1 10.7#



#20  
Methylene Chloride  
Concen: 1.29 ug/l  
RT: 4.90 min Scan# 544  
Delta R.T. -0.01 min  
Lab File: VW004159.D  
Acq: 24 Jul 2018 02:27

Tgt Ion: 84 Resp: 14967  
Ion Ratio Lower Upper  
84 100  
49 117.4 102.9 154.3  
51 32.5 30.9 46.3  
86 56.4 49.9 74.9

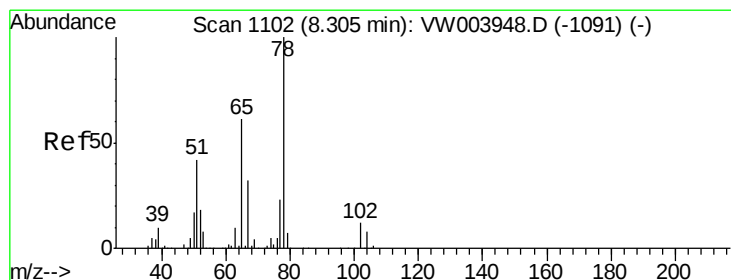
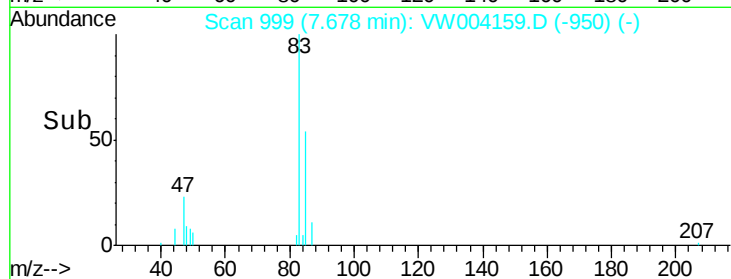
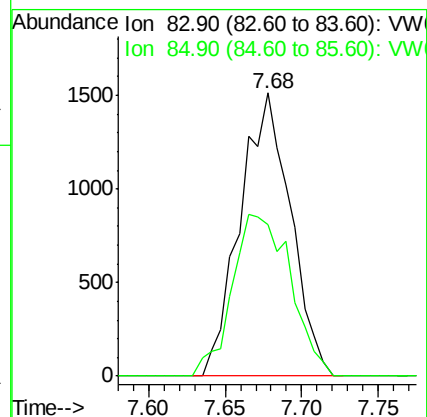
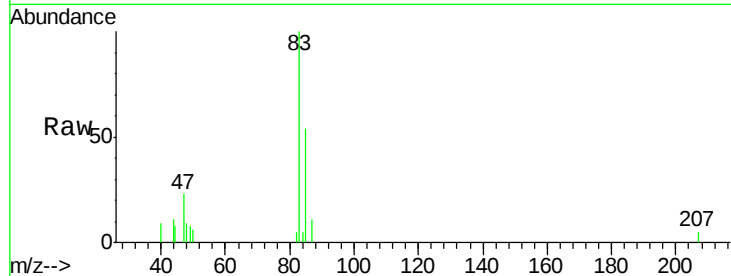




#30  
Chloroform  
Concen: 1.25 ug/l  
RT: 7.68 min Scan# 999  
Delta R.T. 0.00 min  
Lab File: VW004159.D  
Acq: 24 Jul 2018 02:27

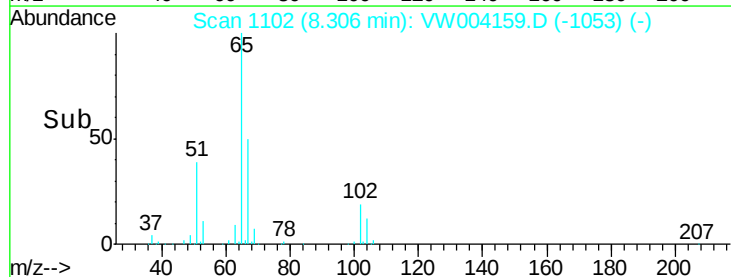
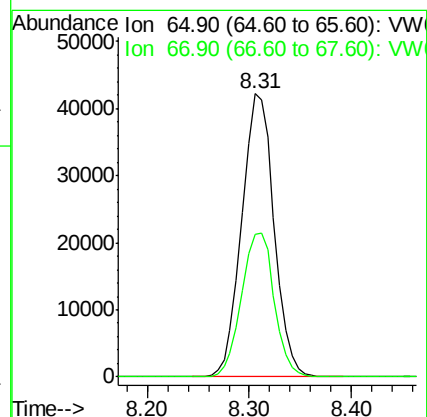
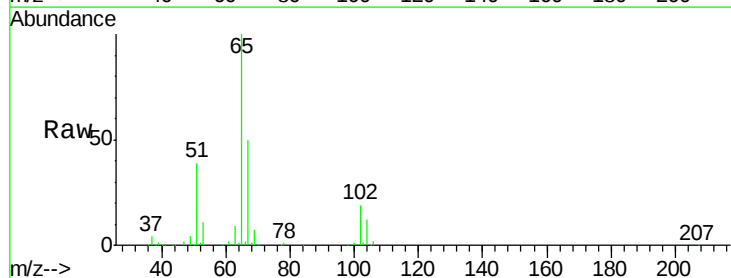
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-5

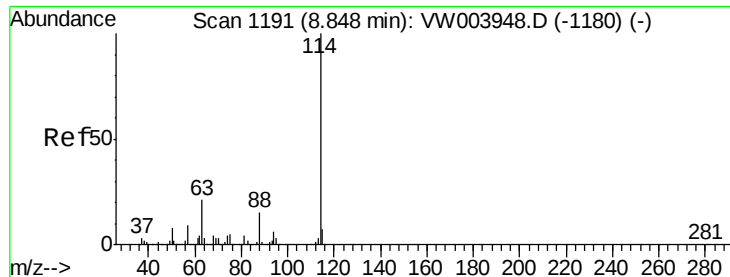
Tot Ion: 83 Resp: 3480  
Ion Ratio Lower Upper  
83 100  
85 53.7 52.2 78.4



#33  
1,2-Dichloroethane-d4  
Concen: 58.89 ug/l  
RT: 8.31 min Scan# 1102  
Delta R.T. 0.00 min  
Lab File: VW004159.D  
Acq: 24 Jul 2018 02:27

Tgt Ion: 65 Resp: 92872  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

Instrument :

MSVOA\_W

ClientSampleId :

TP-5

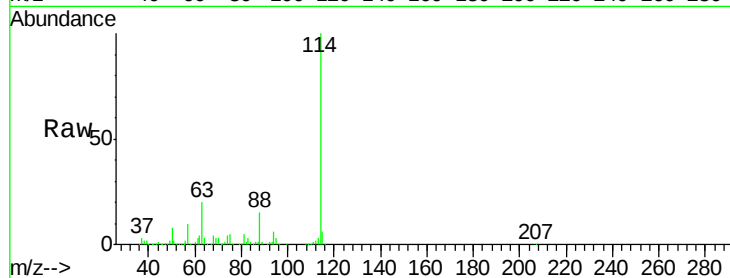
Tot Ion:114 Resp: 253052

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

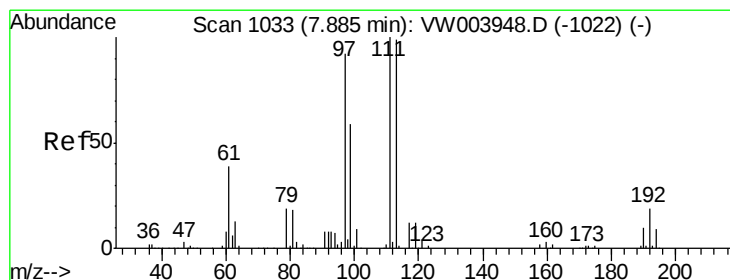
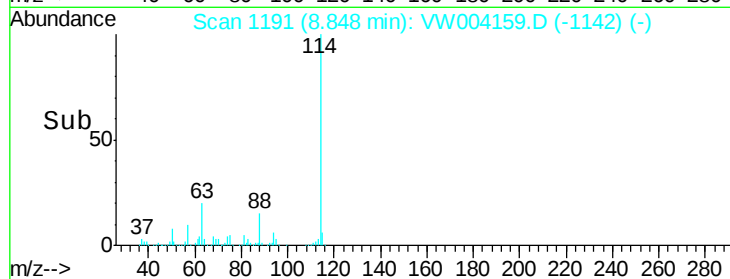
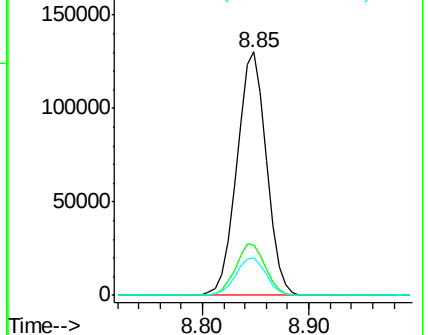
88 15.4 0.0 30.4



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: 48.60 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

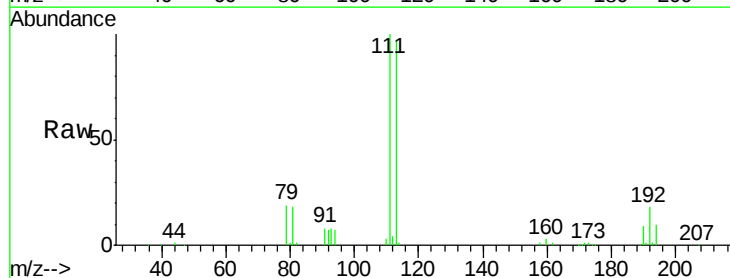
Tgt Ion:113 Resp: 78917

Ion Ratio Lower Upper

113 100

111 104.0 81.3 121.9

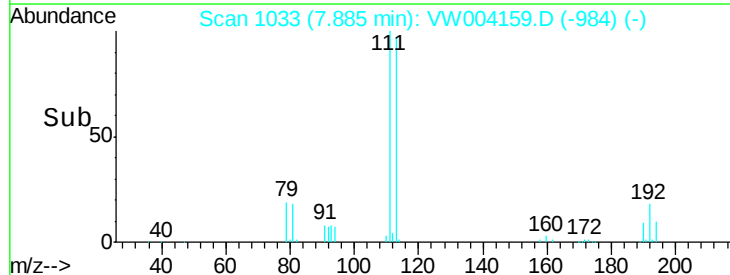
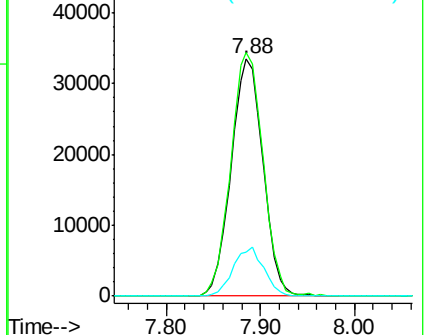
192 19.9 15.8 23.6

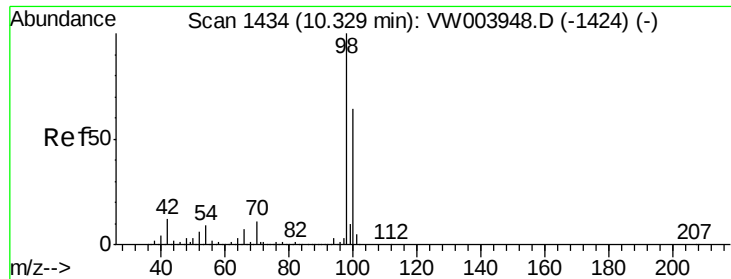


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 37.87 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

Instrument :

MSVOA\_W

ClientSampleId :

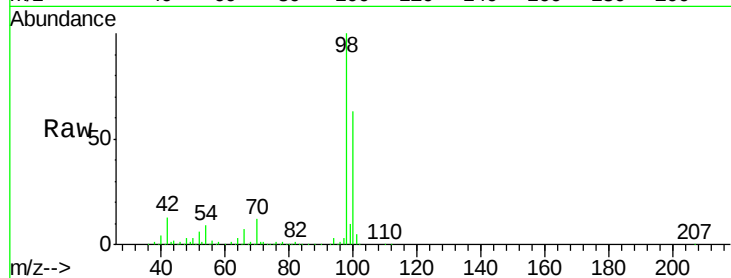
TP-5

Tot Ion: 98 Resp: 238600

Ion Ratio Lower Upper

98 100

100 62.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

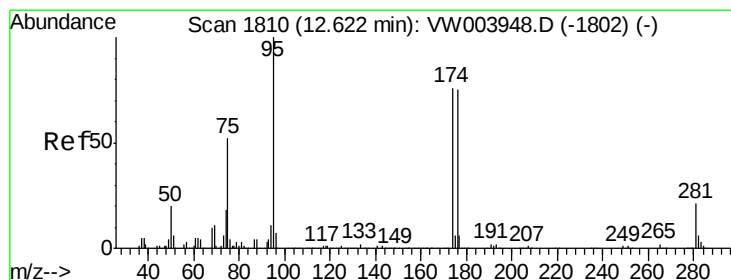
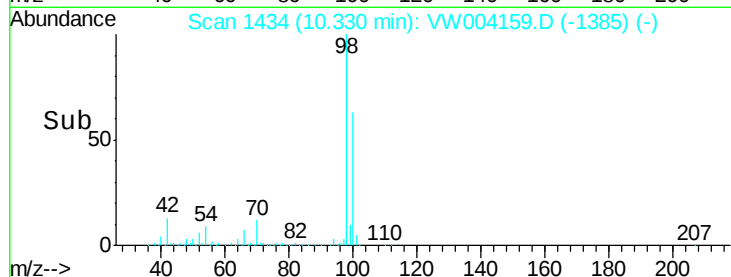
150000

100000

50000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 28.02 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

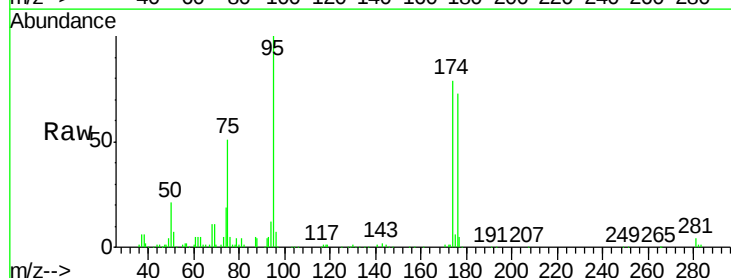
Tgt Ion: 95 Resp: 63651

Ion Ratio Lower Upper

95 100

174 82.5 0.0 160.2

176 77.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

50000

40000

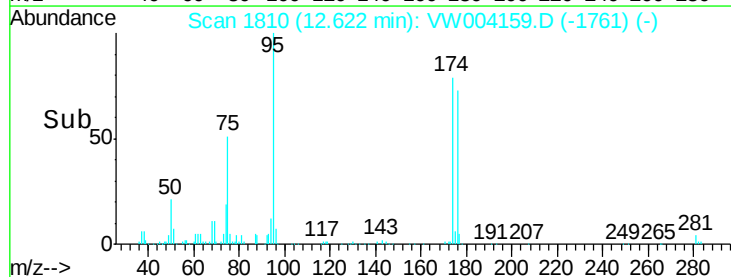
30000

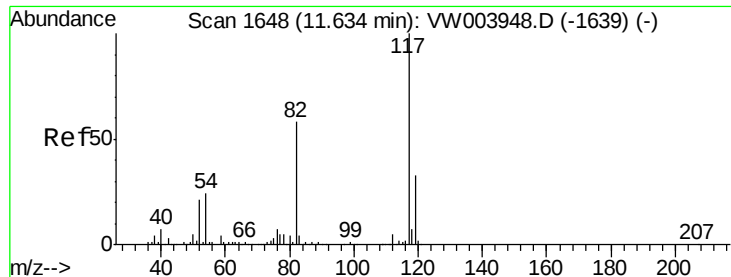
20000

10000

0

Time--> 12.60 12.70

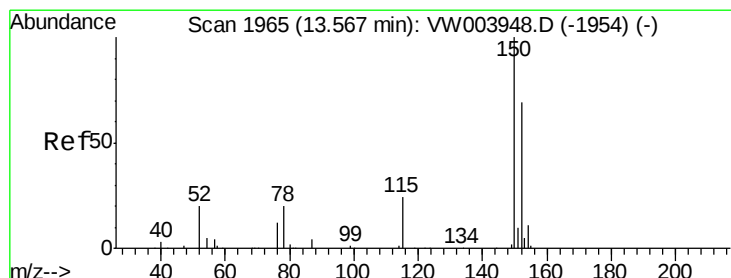
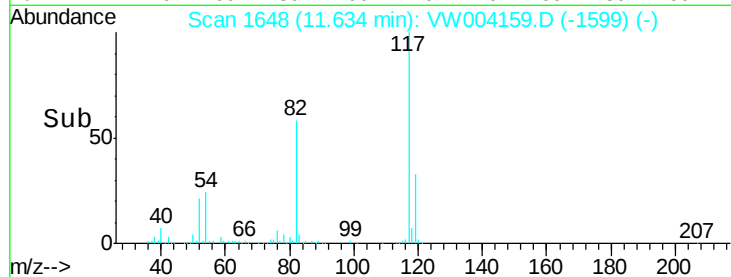
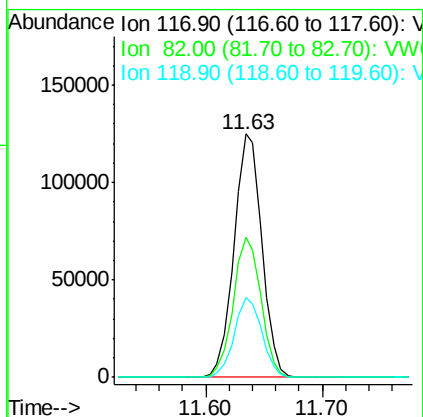
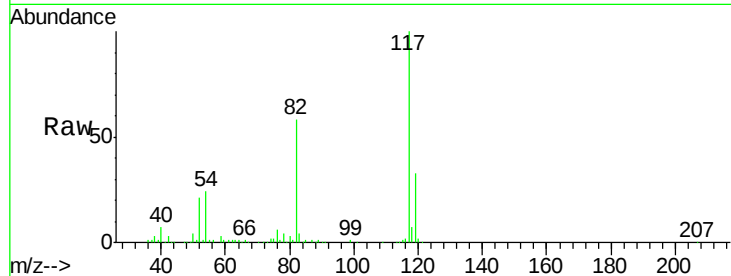




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW004159.D  
Acq: 24 Jul 2018 02:27

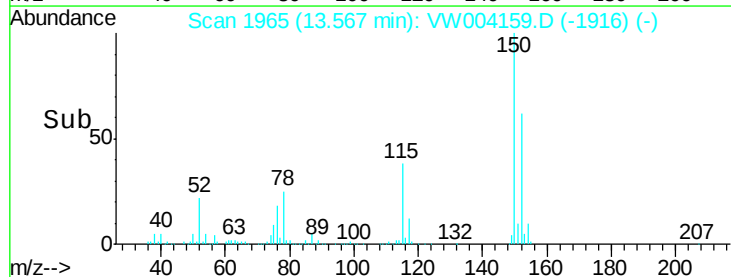
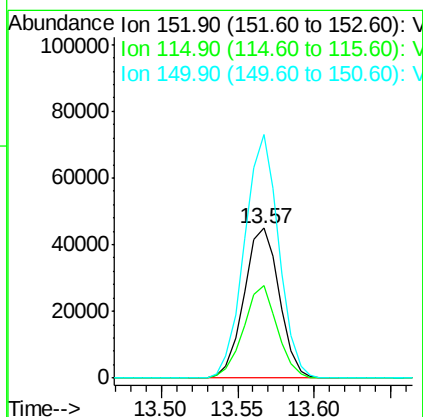
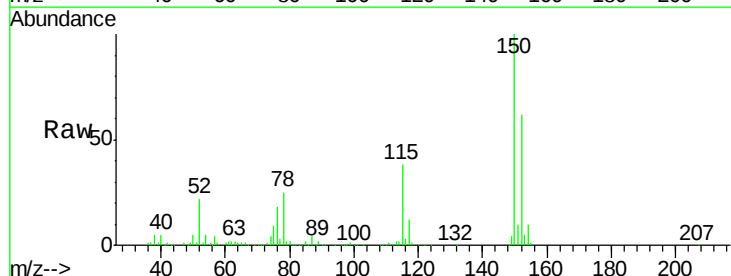
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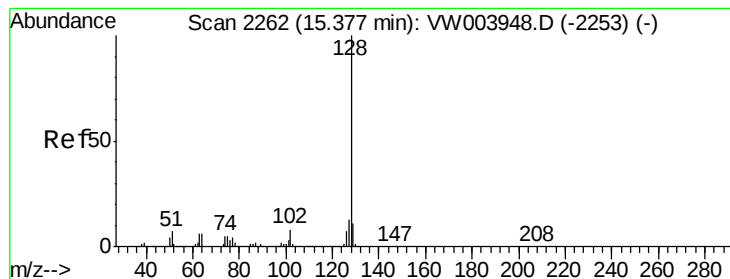
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.6  | 46.5  | 69.7  |
| 119     | 32.5  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: VW004159.D  
Acq: 24 Jul 2018 02:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.0  | 29.2  | 87.6  |
| 150     | 157.3 | 0.0   | 345.2 |





#95

Naphthalene

Concen: 5.84 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004159.D

Acq: 24 Jul 2018 02:27

Instrument :

MSVOA\_W

ClientSampleId :

TP-5

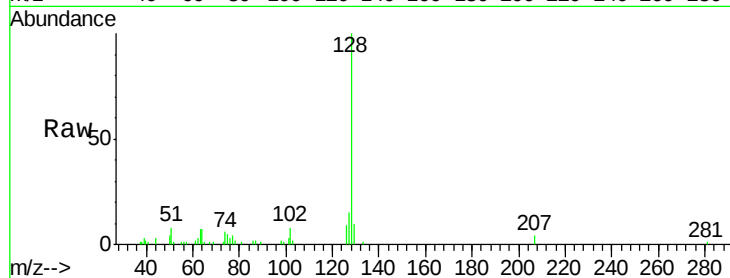
Tot Ion:128 Resp: 16437

Ion Ratio Lower Upper

128 100

127 15.6 10.7 16.1

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

