

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021819\  
 Data File : VW008739.D  
 Acq On : 18 Feb 2019 20:00  
 Operator : SY/VA  
 Sample : K1518-17  
 Misc : 7.63G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-MH-C02

Quant Time: Feb 19 04:18:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 14 04:06:50 2019  
 Response via : Initial Calibration

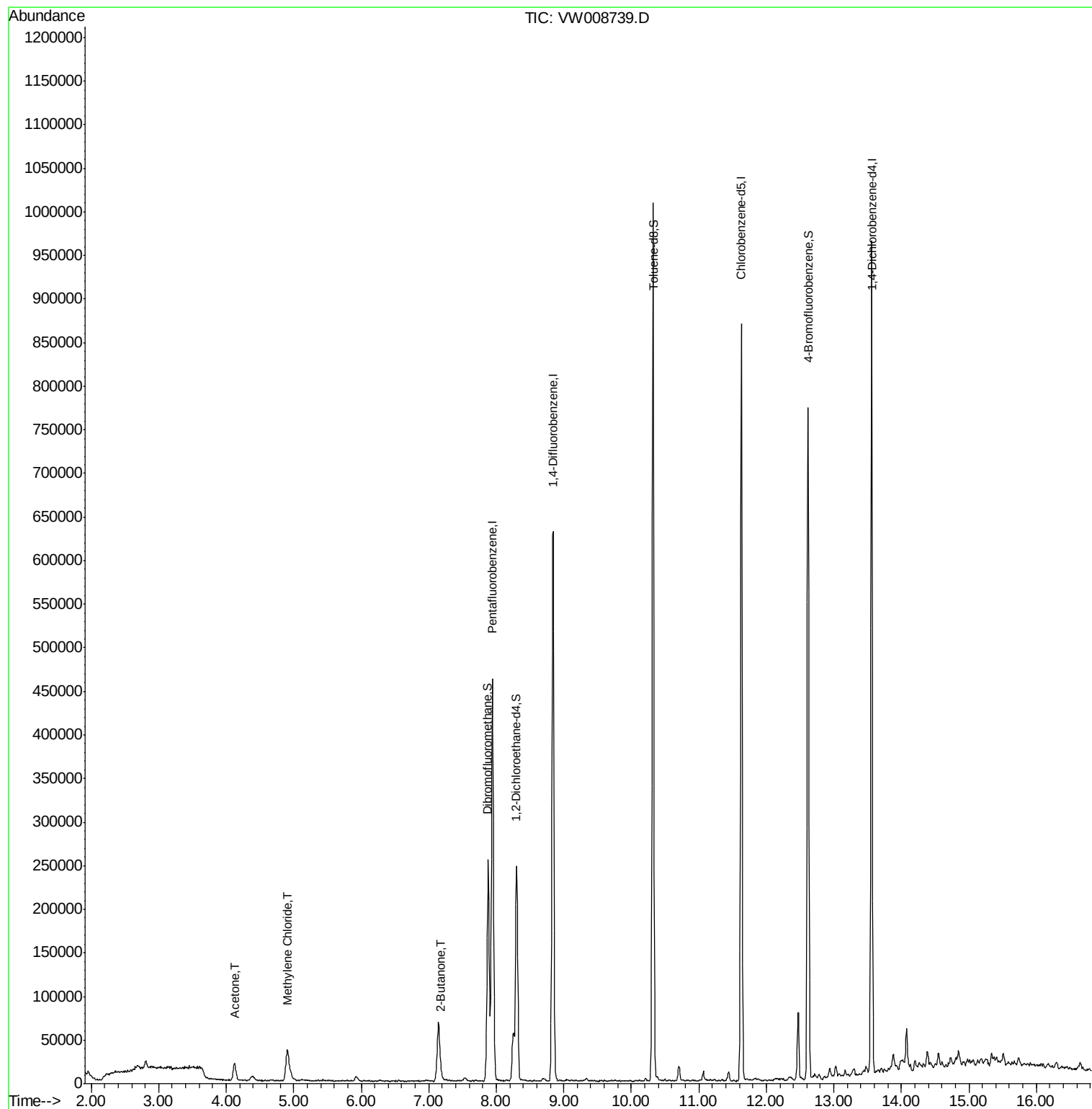
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 353174   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 536723   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 479793   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 241018   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 190261   | 51.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.64% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 169851   | 50.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.92% |          |
| 50) Toluene-d8              | 10.32 | 98   | 638377   | 49.69  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.38%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 228284   | 47.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.34%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 34856    | 41.718 | ug/l    | 91       |
| 20) Methylene Chloride      | 4.90  | 84   | 31061    | 1.406  | ug/l #  | 85       |
| 25) 2-Butanone              | 7.18  | 43   | 10870    | 9.213  | ug/l    | 100      |

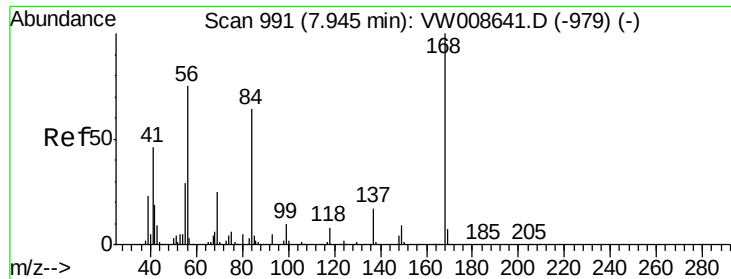
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :  
TP-MH-C02

Quant Time: Feb 19 04:18:23 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W021319S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 14 04:06:50 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: VW008739.D

Acq: 18 Feb 2019 20:00

Instrument :

MSVOA\_W

ClientSampleId :

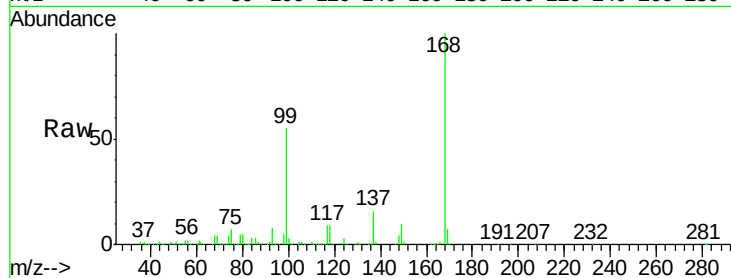
TP-MH-C02

Tot Ion:168 Resp: 353174

Ion Ratio Lower Upper

168 100

99 54.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

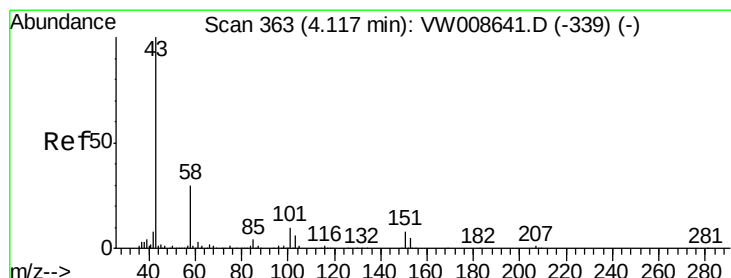
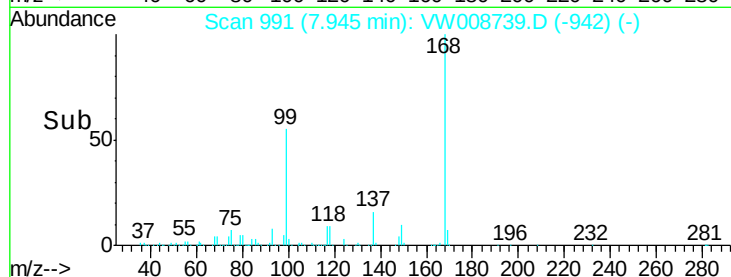
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 41.718 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008739.D

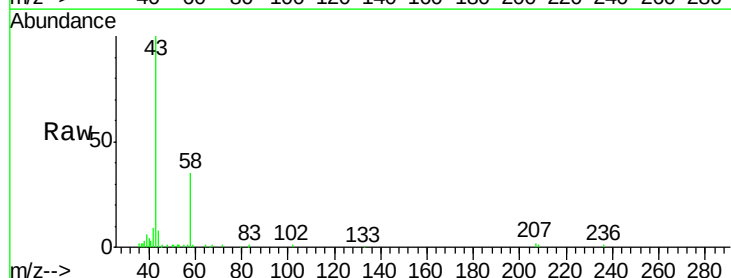
Acq: 18 Feb 2019 20:00

Tgt Ion: 43 Resp: 34856

Ion Ratio Lower Upper

43 100

58 35.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

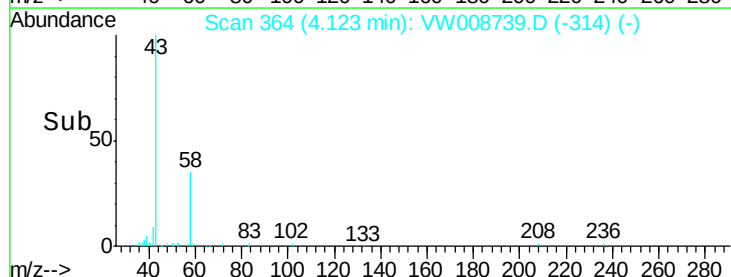
10000

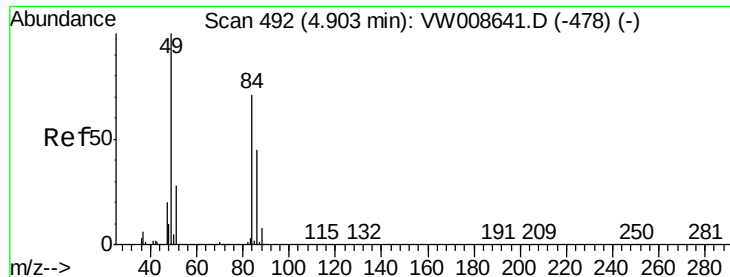
5000

0

4.00 4.05 4.10 4.15 4.20

Time-->

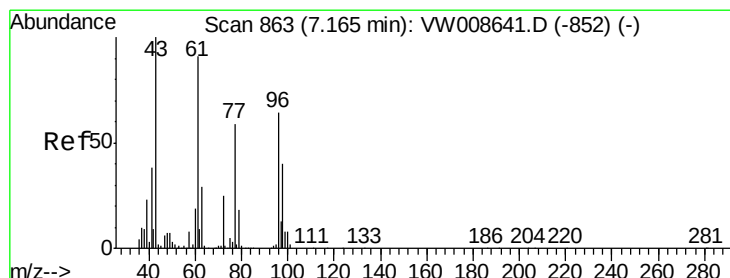
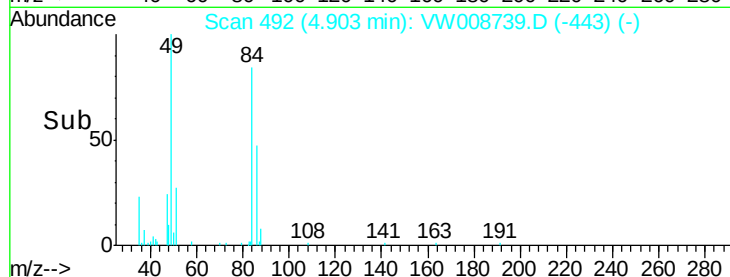
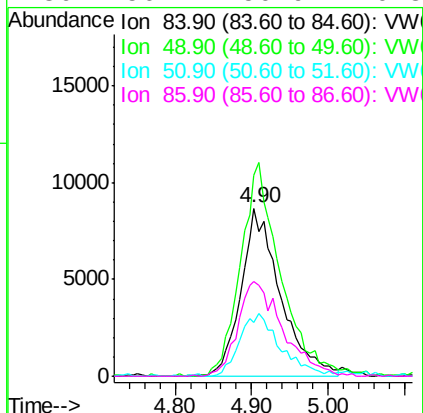
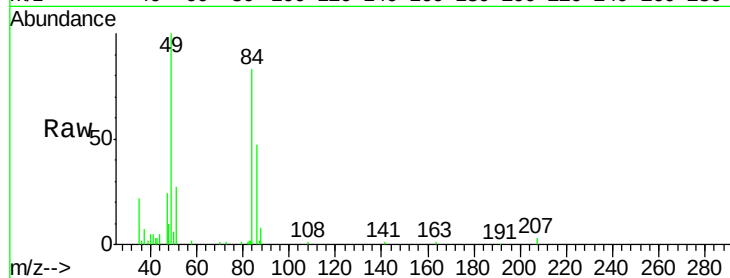




#20  
Methylene Chloride  
Concen: 1.406 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. 0.00 min  
Lab File: VW008739.D  
Acq: 18 Feb 2019 20:00

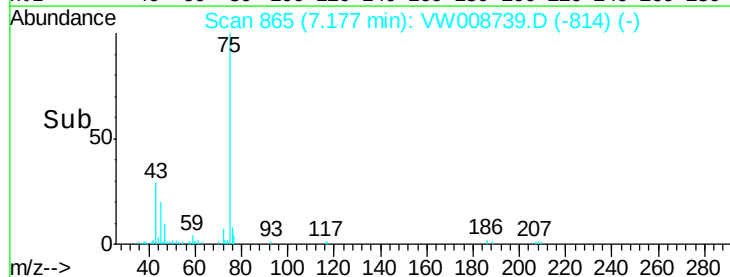
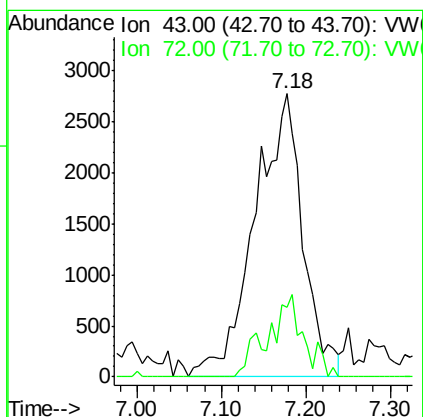
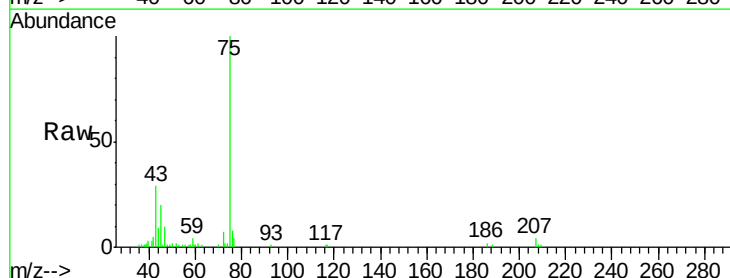
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-MH-C02

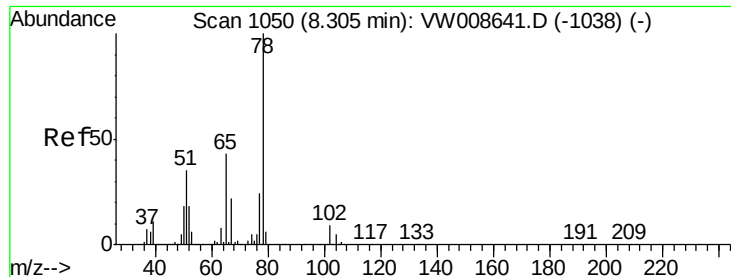
Tot Ion: 84 Resp: 31061  
Ion Ratio Lower Upper  
84 100  
49 119.2 113.3 169.9  
51 31.0 32.1 48.1#  
86 56.1 50.9 76.3



#25  
2-Butanone  
Concen: 9.213 ug/l  
RT: 7.18 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VW008739.D  
Acq: 18 Feb 2019 20:00

Tgt Ion: 43 Resp: 10870  
Ion Ratio Lower Upper  
43 100  
72 24.8 19.7 29.5

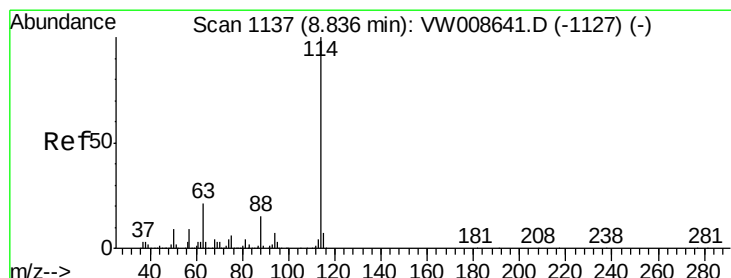
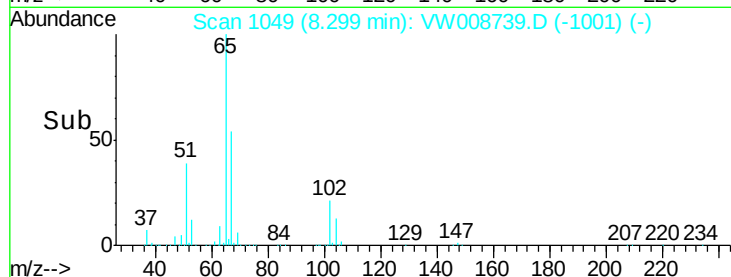
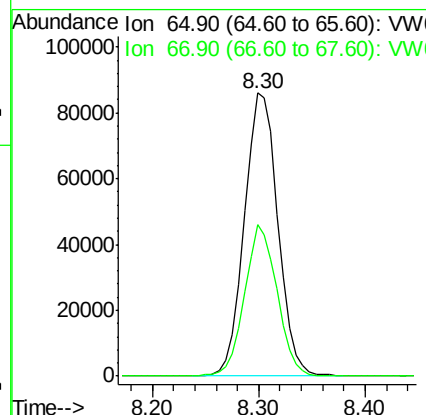
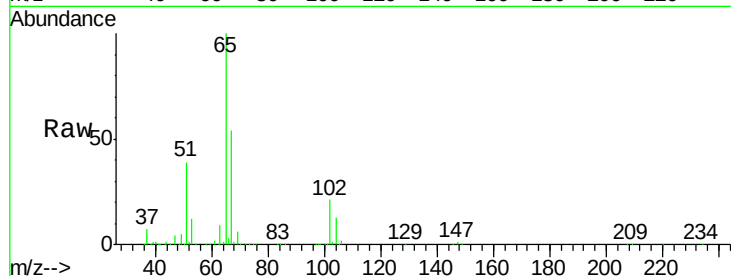




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.818 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW008739.D  
 Acq: 18 Feb 2019 20:00

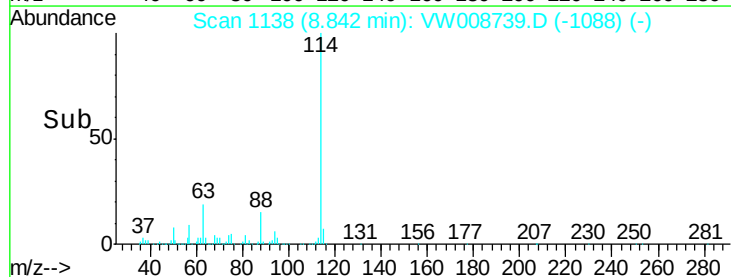
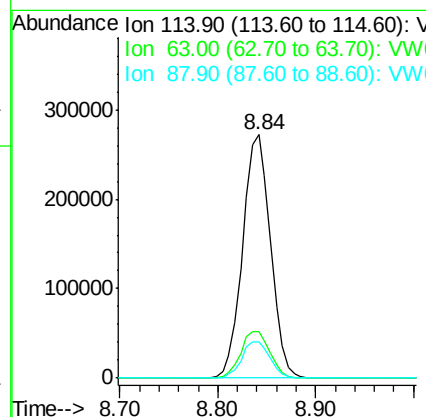
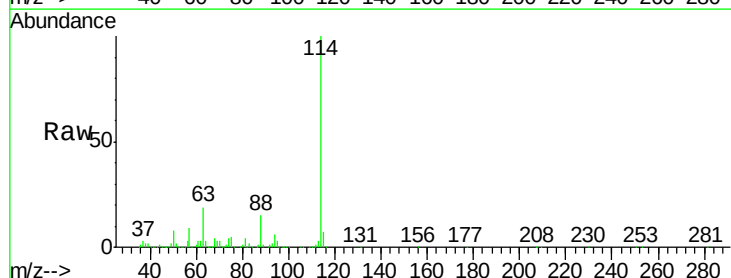
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-MH-C02

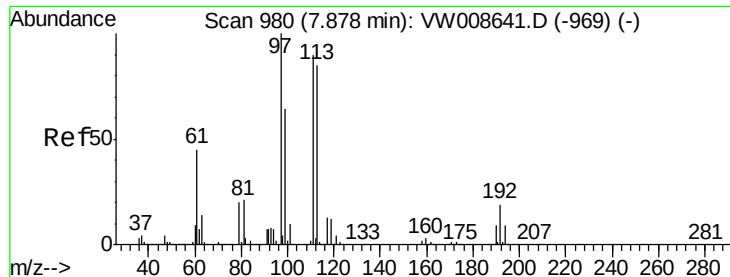
Tot Ion: 65 Resp: 190261  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.01 min  
 Lab File: VW008739.D  
 Acq: 18 Feb 2019 20:00

Tgt Ion: 114 Resp: 536723  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 41.2  
 88 14.7 0.0 29.6

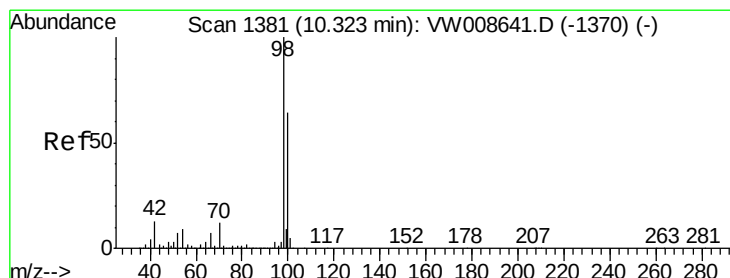
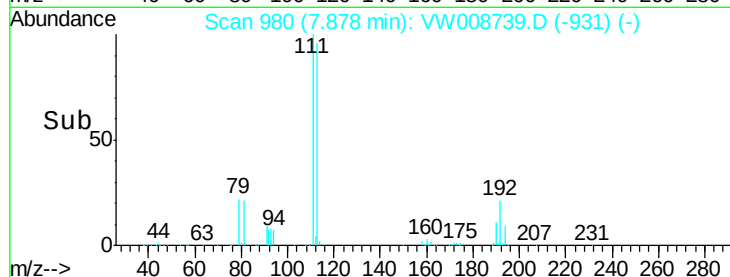
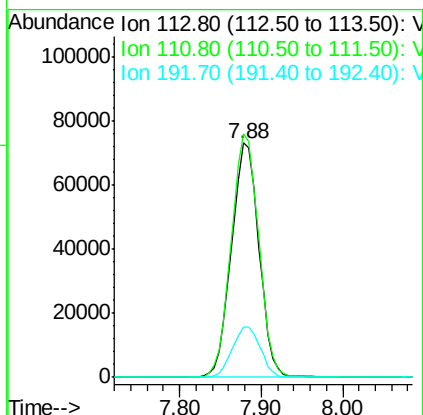
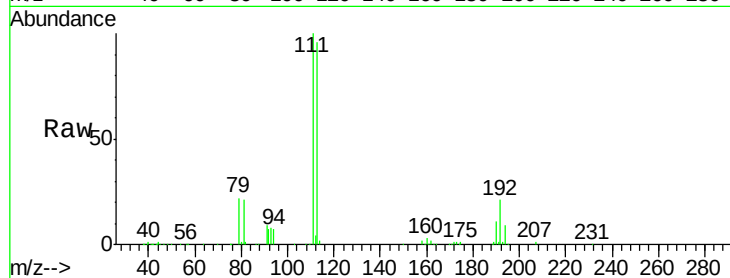




#35  
Dibromofluoromethane  
Concen: 50.965 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: VW008739.D  
Acq: 18 Feb 2019 20:00

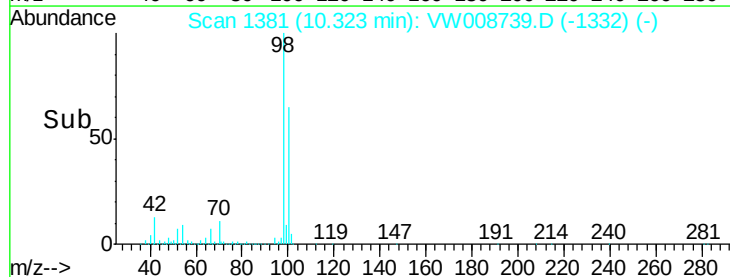
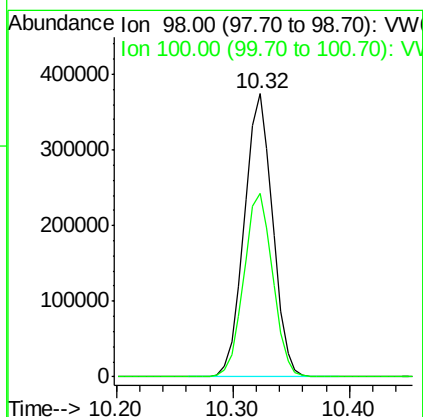
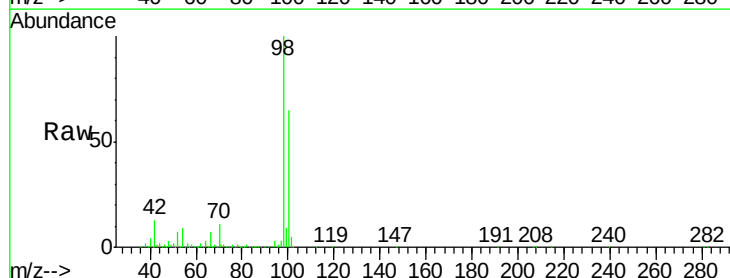
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-MH-C02

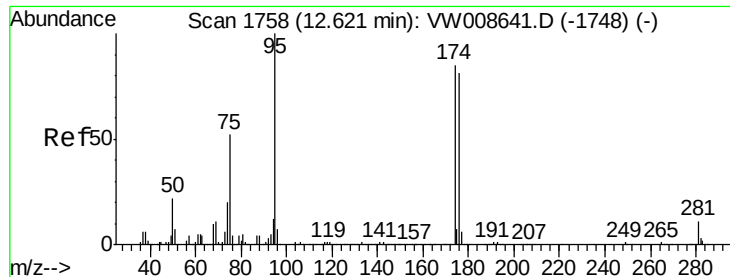
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.9 | 84.0  | 126.0 |
| 192     | 21.8  | 17.4  | 26.2  |



#50  
Toluene-d8  
Concen: 49.690 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW008739.D  
Acq: 18 Feb 2019 20:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.0  | 52.2  | 78.4  |

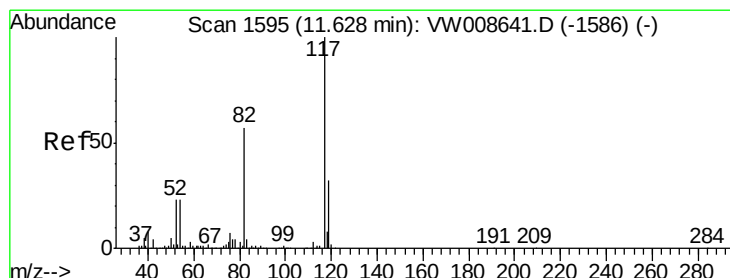
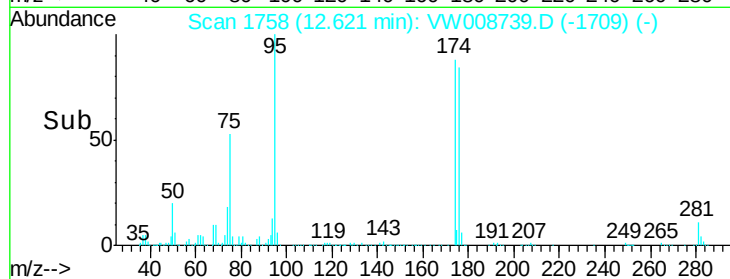
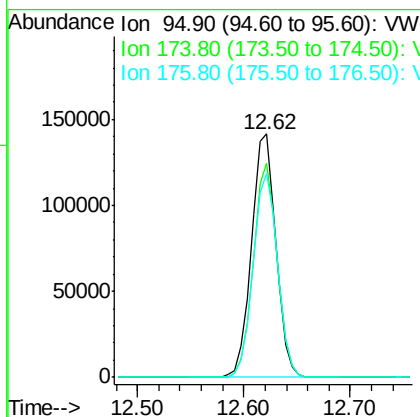
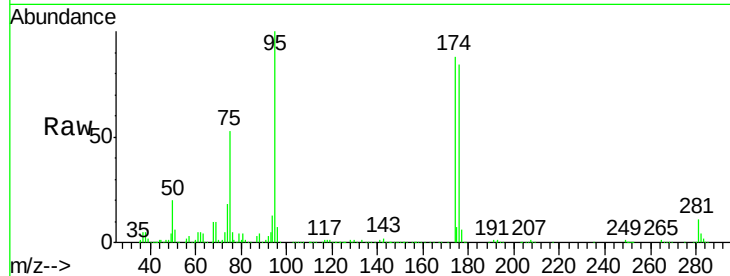




#62  
4-Bromofluorobenzene  
Concen: 47.175 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW008739.D  
Acq: 18 Feb 2019 20:00

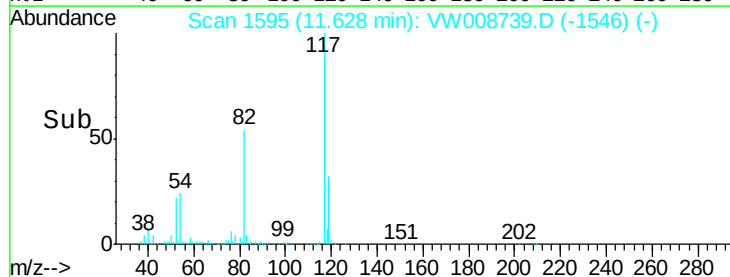
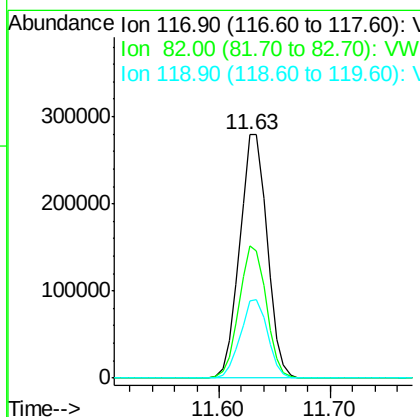
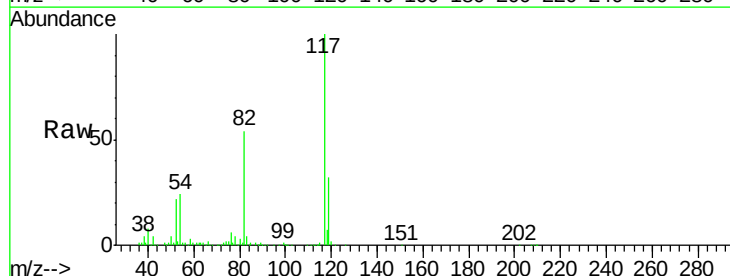
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-MH-C02

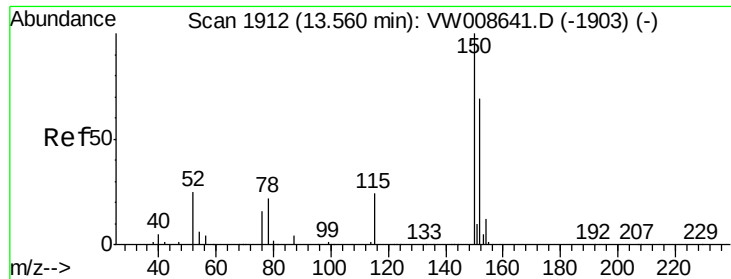
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.6  | 0.0   | 163.2 |
| 176     | 83.8  | 0.0   | 158.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW008739.D  
Acq: 18 Feb 2019 20:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.3  | 45.6  | 68.4  |
| 119     | 31.9  | 25.7  | 38.5  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008739.D

Acq: 18 Feb 2019 20:00

Instrument :

MSVOA\_W

ClientSampleId :

TP-MH-C02

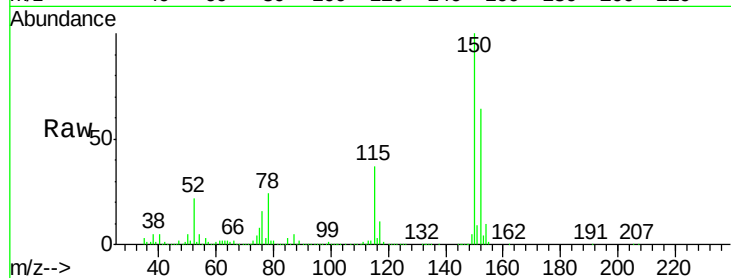
Tot Ion:152 Resp: 241018

Ion Ratio Lower Upper

152 100

115 58.0 29.3 87.8

150 157.2 0.0 352.8



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

