

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\  
 Data File : VW004022.D  
 Acq On : 18 Jul 2018 09:29  
 Operator : VA/AP  
 Sample : J3997-11RE  
 Misc : 5.85G/5ML/MSVOA W/SOIL  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-H-SRE

Quant Time: Jul 18 11:08:07 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  | 147946   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 257569   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 234550   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 112301   | 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   | 105992   | 64.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 128.18% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 90743    | 54.91 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.82% |          |
| 50) Toluene-d8              | 10.33 | 98   | 307536   | 47.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.92%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 100699   | 43.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.10%  |          |

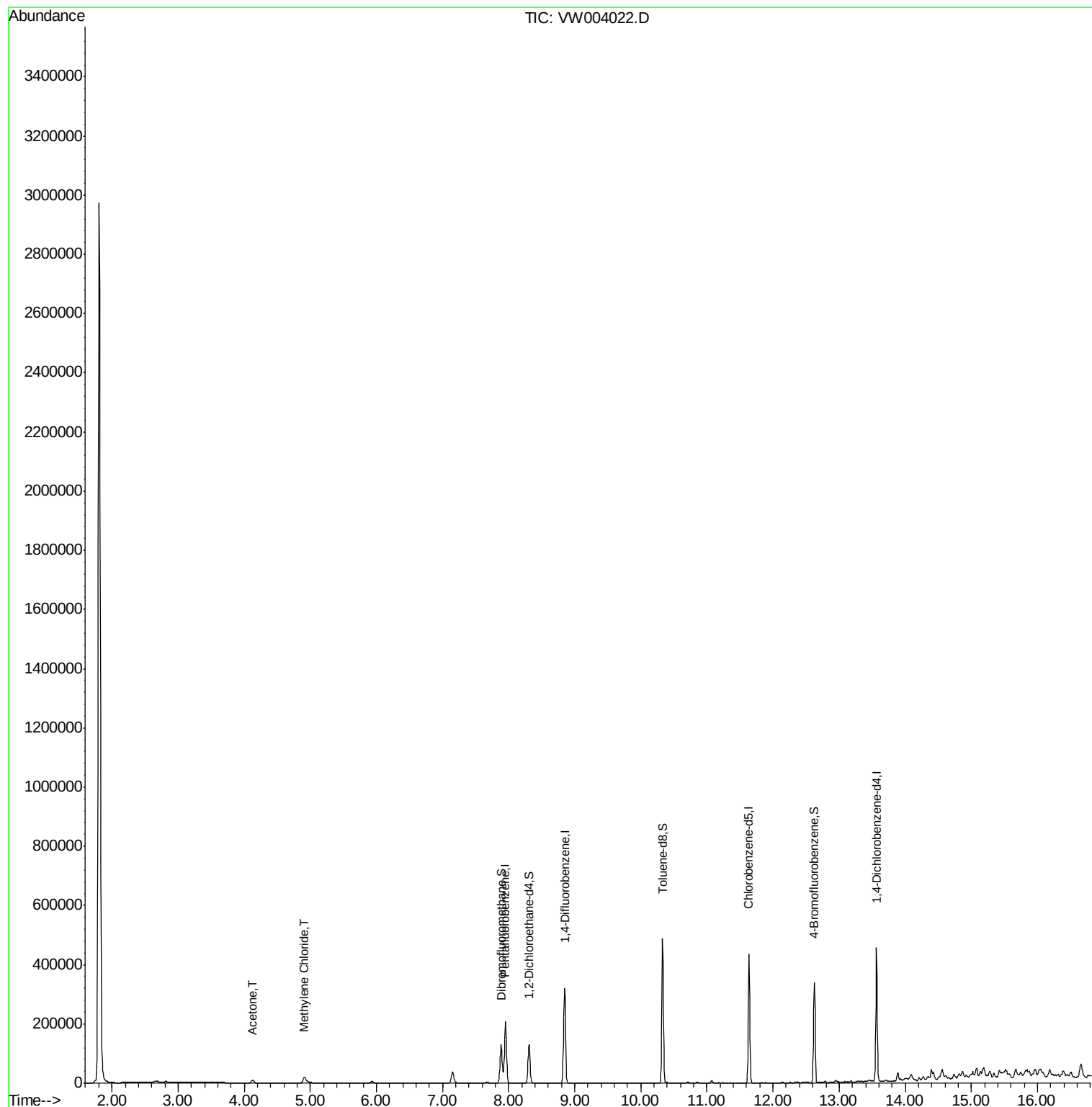
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 4.12 | 43   | 16906    | 42.54 | ug/l  | 90     |
| 20) Methylene Chloride | 4.92 | 84   | 16260    | 1.67  | ug/l  | 95     |

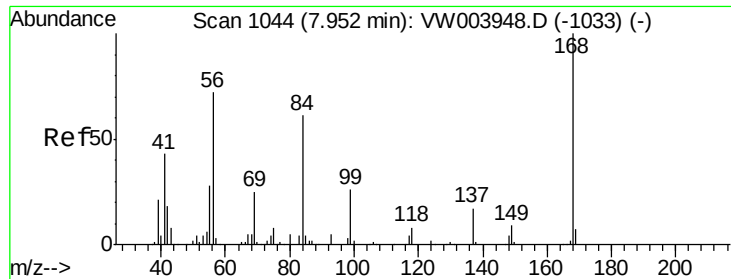
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071718\  
Data File : VW004022.D  
Acq On : 18 Jul 2018 09:29  
Operator : VA/AP  
Sample : J3997-11RE  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 53 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-H-SRE

Quant Time: Jul 18 11:08:07 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
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: VW004022.D

Acq: 18 Jul 2018 09:29

Instrument :

MSVOA\_W

ClientSampleId :

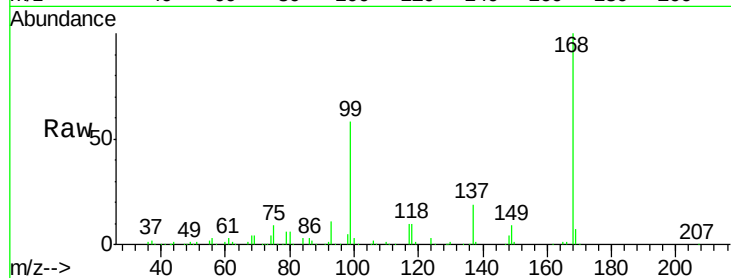
TP-H-SRE

Tot Ion:168 Resp: 147946

Ion Ratio Lower Upper

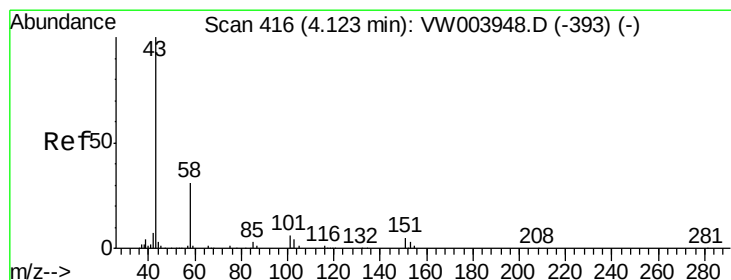
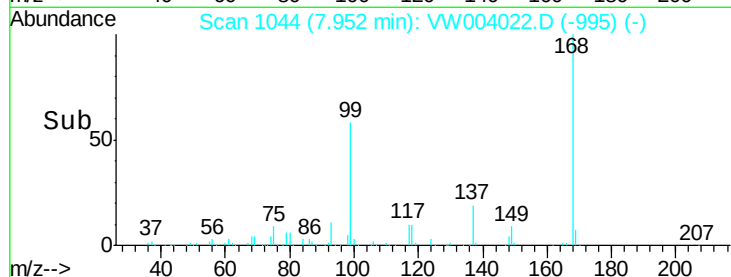
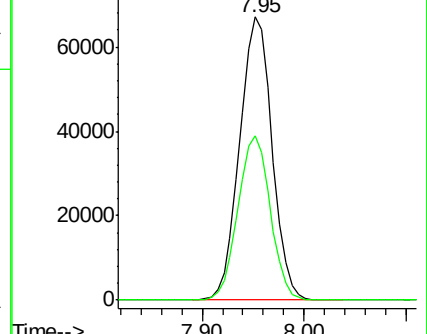
168 100

99 58.0 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: 42.54 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW004022.D

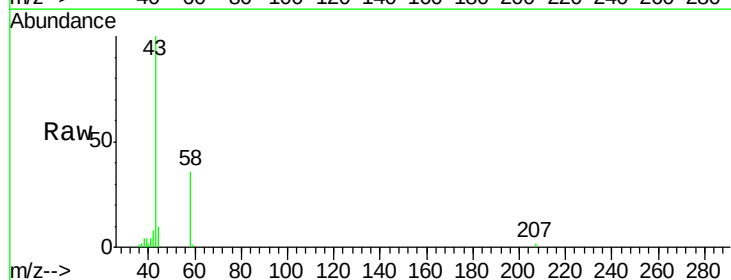
Acq: 18 Jul 2018 09:29

Tgt Ion: 43 Resp: 16906

Ion Ratio Lower Upper

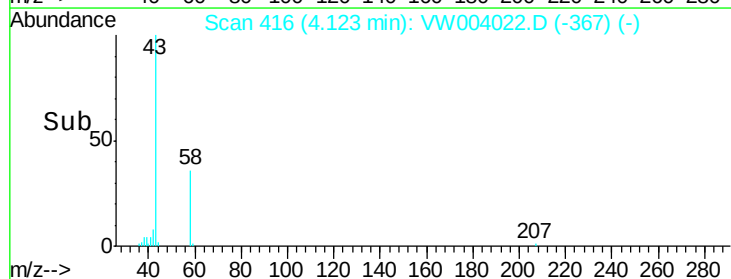
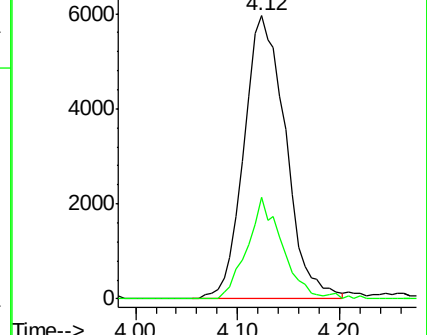
43 100

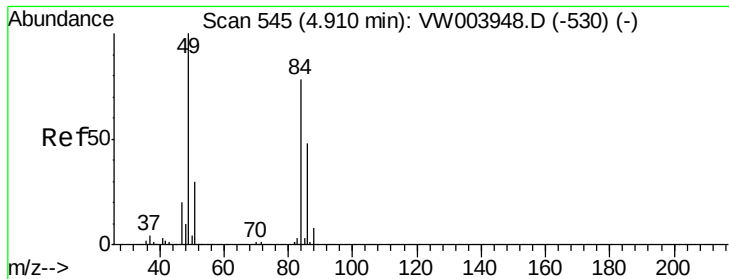
58 35.9 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.67 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004022.D

Acq: 18 Jul 2018 09:29

Instrument :

MSVOA\_W

ClientSampleId :

TP-H-SRE

Tot Ion: 84 Resp: 16260

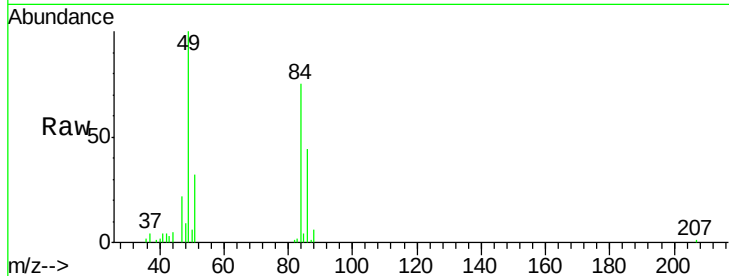
Ion Ratio Lower Upper

84 100

49 133.0 102.9 154.3

51 43.0 30.9 46.3

86 58.6 49.9 74.9

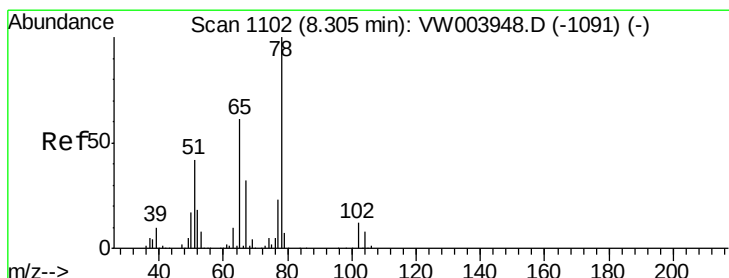
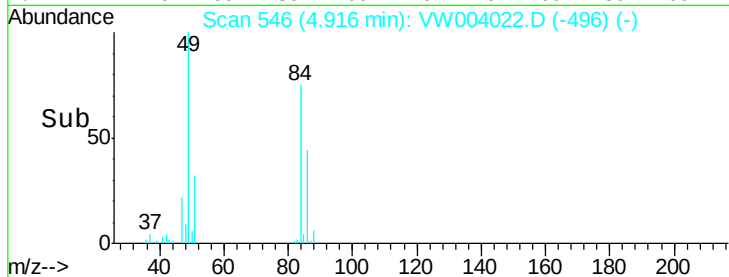
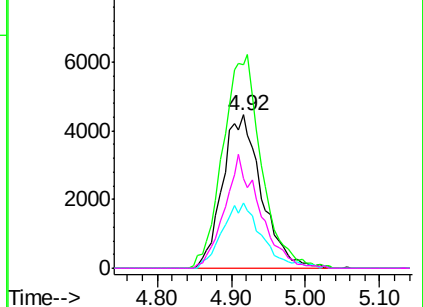


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#33

1,2-Dichloroethane-d4

Concen: 64.09 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW004022.D

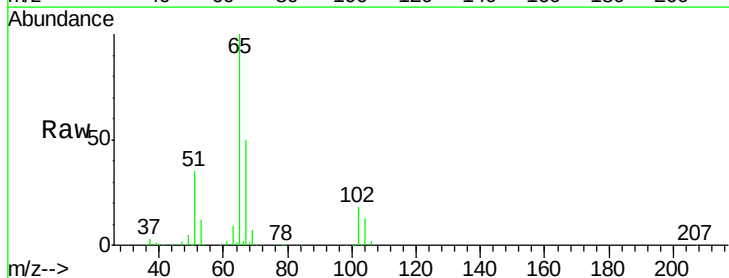
Acq: 18 Jul 2018 09:29

Tgt Ion: 65 Resp: 105992

Ion Ratio Lower Upper

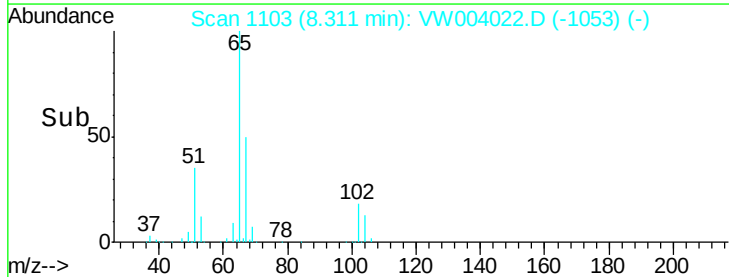
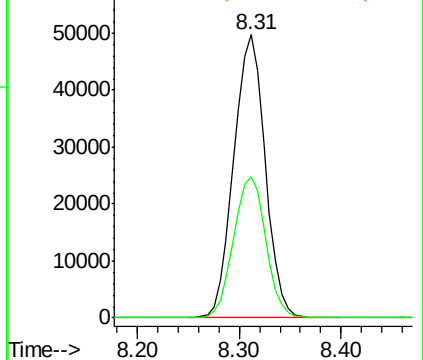
65 100

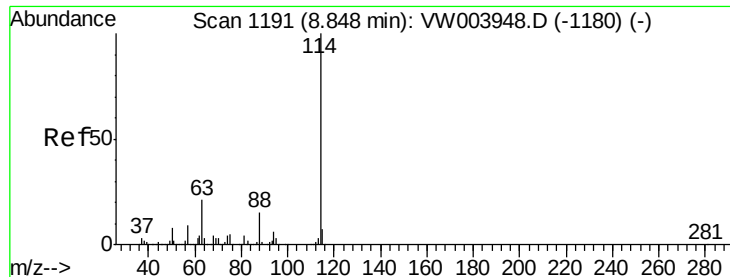
67 51.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004022.D

Acq: 18 Jul 2018 09:29

Instrument :

MSVOA\_W

ClientSampleId :

TP-H-SRE

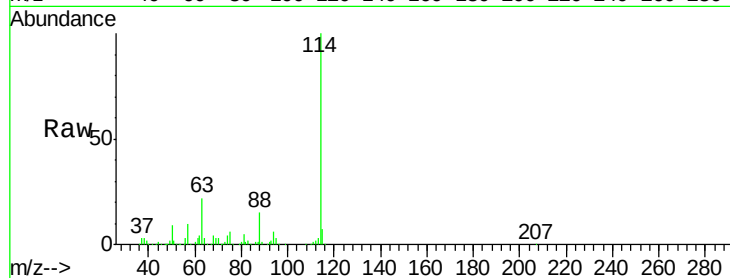
Tot Ion:114 Resp: 257569

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.8

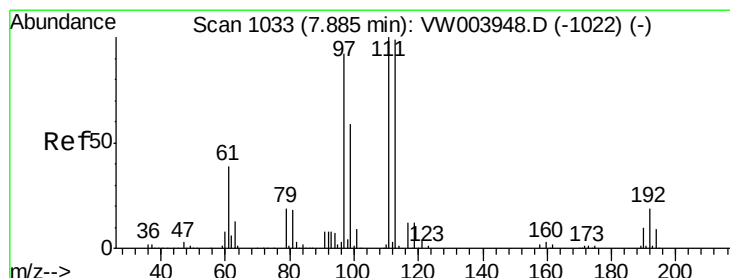
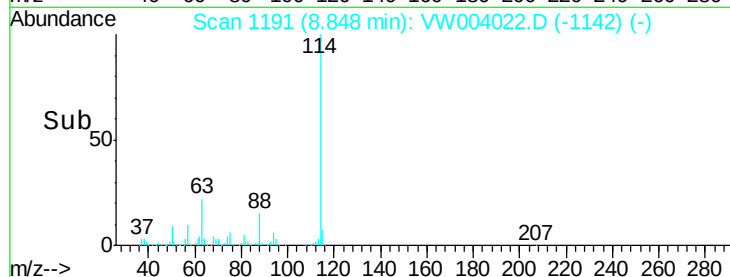
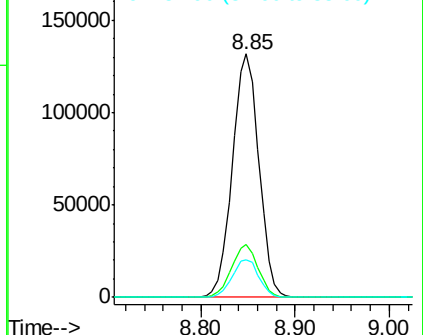
88 15.4 0.0 30.4



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: 54.91 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004022.D

Acq: 18 Jul 2018 09:29

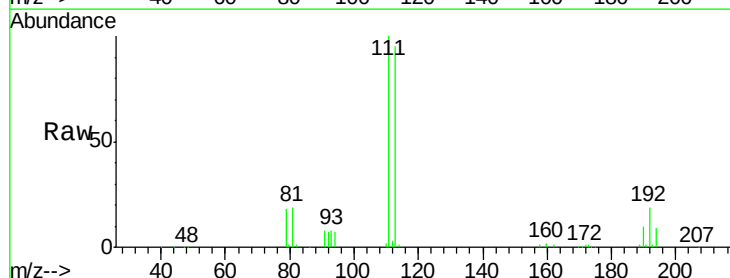
Tgt Ion:113 Resp: 90743

Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

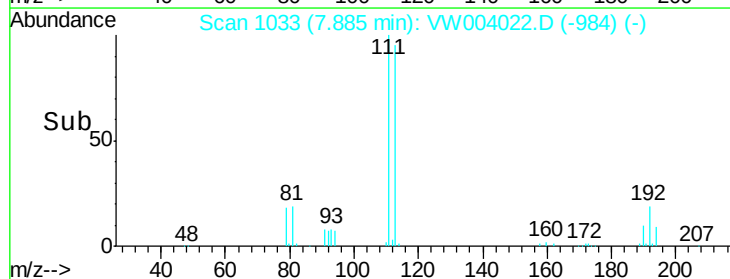
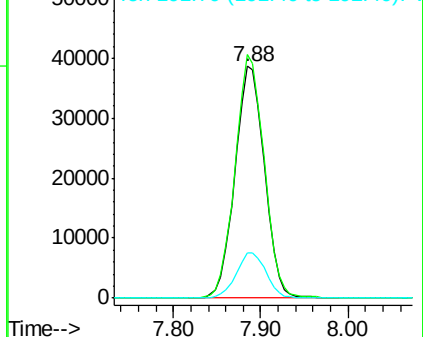
192 19.6 15.8 23.6

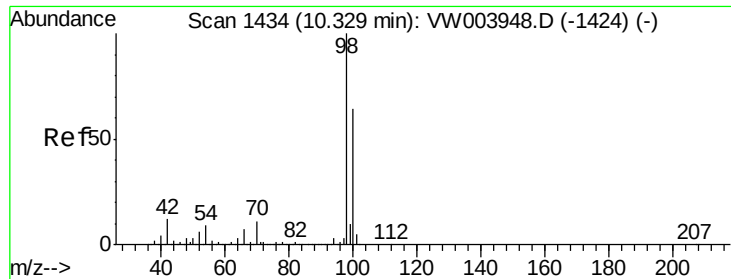


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.96 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004022.D

Acq: 18 Jul 2018 09:29

Instrument :

MSVOA\_W

ClientSampleId :

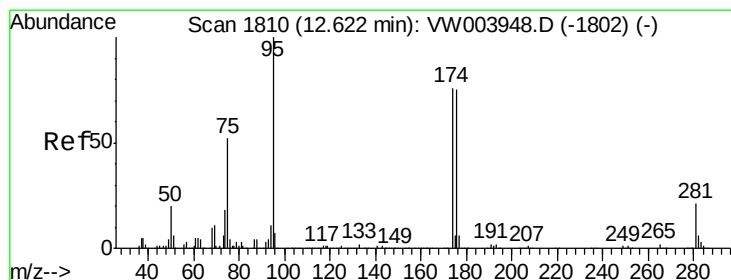
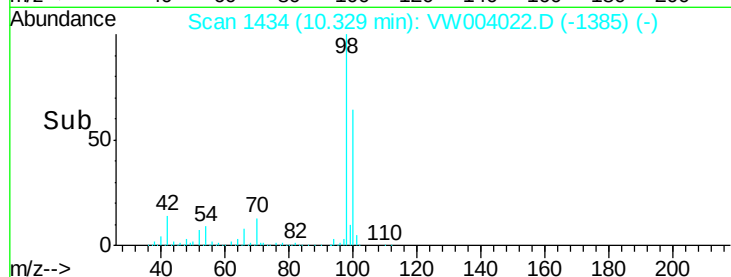
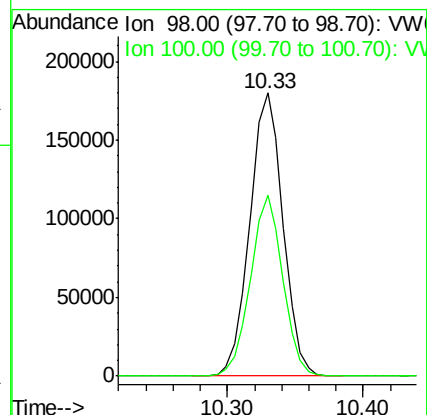
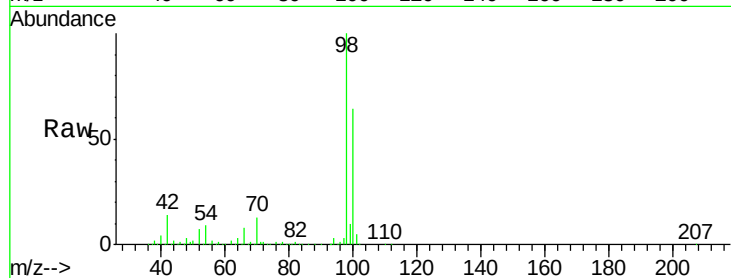
TP-H-SRE

Tot Ion: 98 Resp: 307536

Ion Ratio Lower Upper

98 100

100 62.3 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 43.55 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004022.D

Acq: 18 Jul 2018 09:29

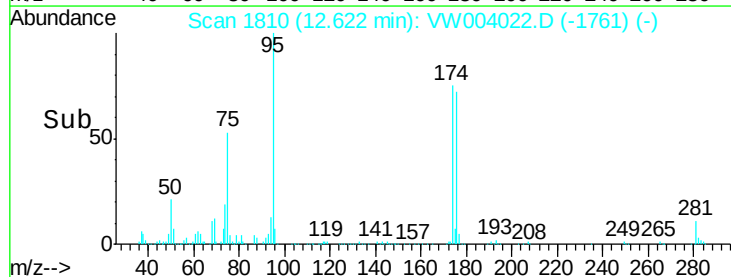
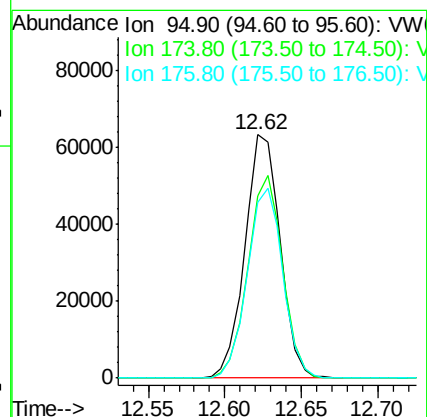
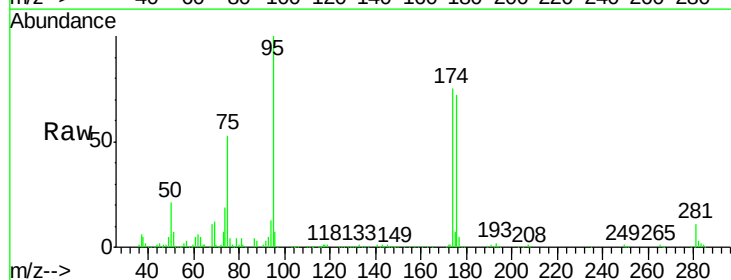
Tgt Ion: 95 Resp: 100699

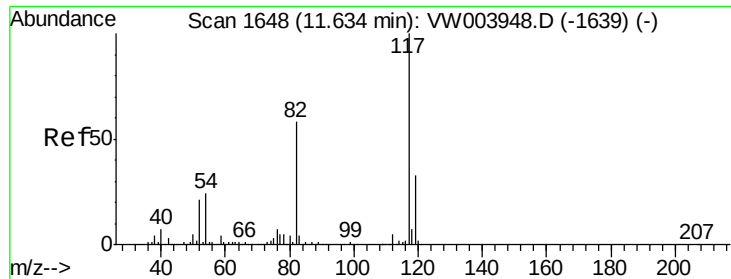
Ion Ratio Lower Upper

95 100

174 82.3 0.0 160.2

176 79.0 0.0 155.8

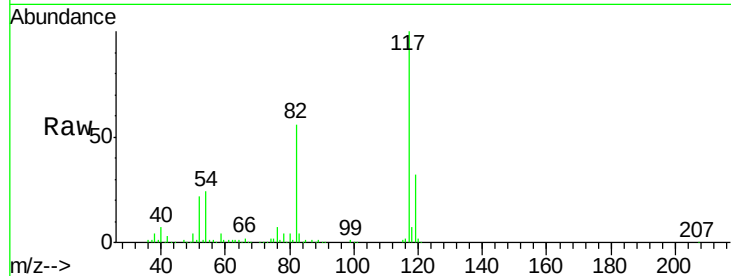




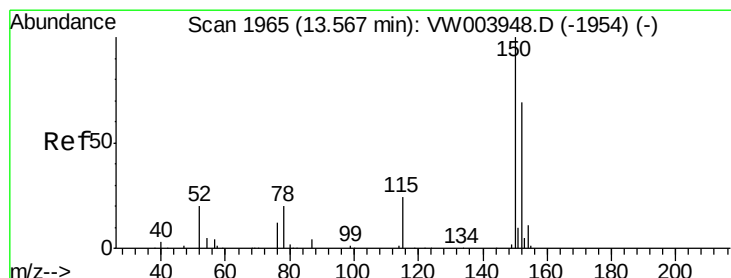
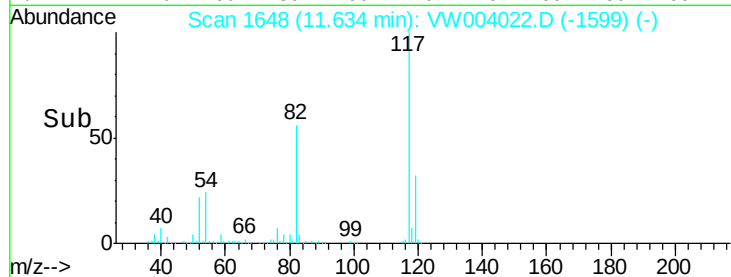
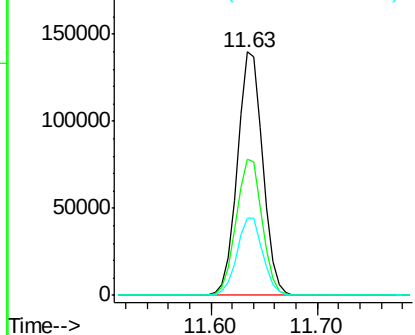
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW004022.D  
Acq: 18 Jul 2018 09:29

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-H-SRE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.0  | 46.5  | 69.7  |
| 119     | 31.9  | 26.2  | 39.2  |

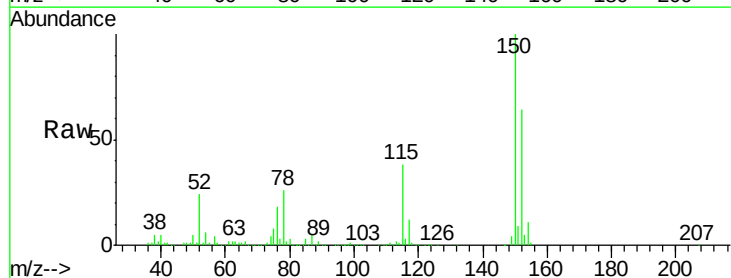


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: VW004022.D  
Acq: 18 Jul 2018 09:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.2  | 29.2  | 87.6  |
| 150     | 156.8 | 0.0   | 345.2 |



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

