

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081018\  
 Data File : VW004548.D  
 Acq On : 09 Aug 2018 00:36  
 Operator : SY/AP  
 Sample : J4313-17RE  
 Misc : 4.08G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C-13RE

Quant Time: Aug 09 05:52:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 08:22:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 400357   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 634623   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 442868   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 94493    | 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   | 283252   | 63.91 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 127.82% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 255801   | 60.45 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 120.90% |          |
| 50) Toluene-d8              | 10.33 | 98   | 693948   | 43.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.04%  |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 122308   | 21.05 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 42.10%  |          |

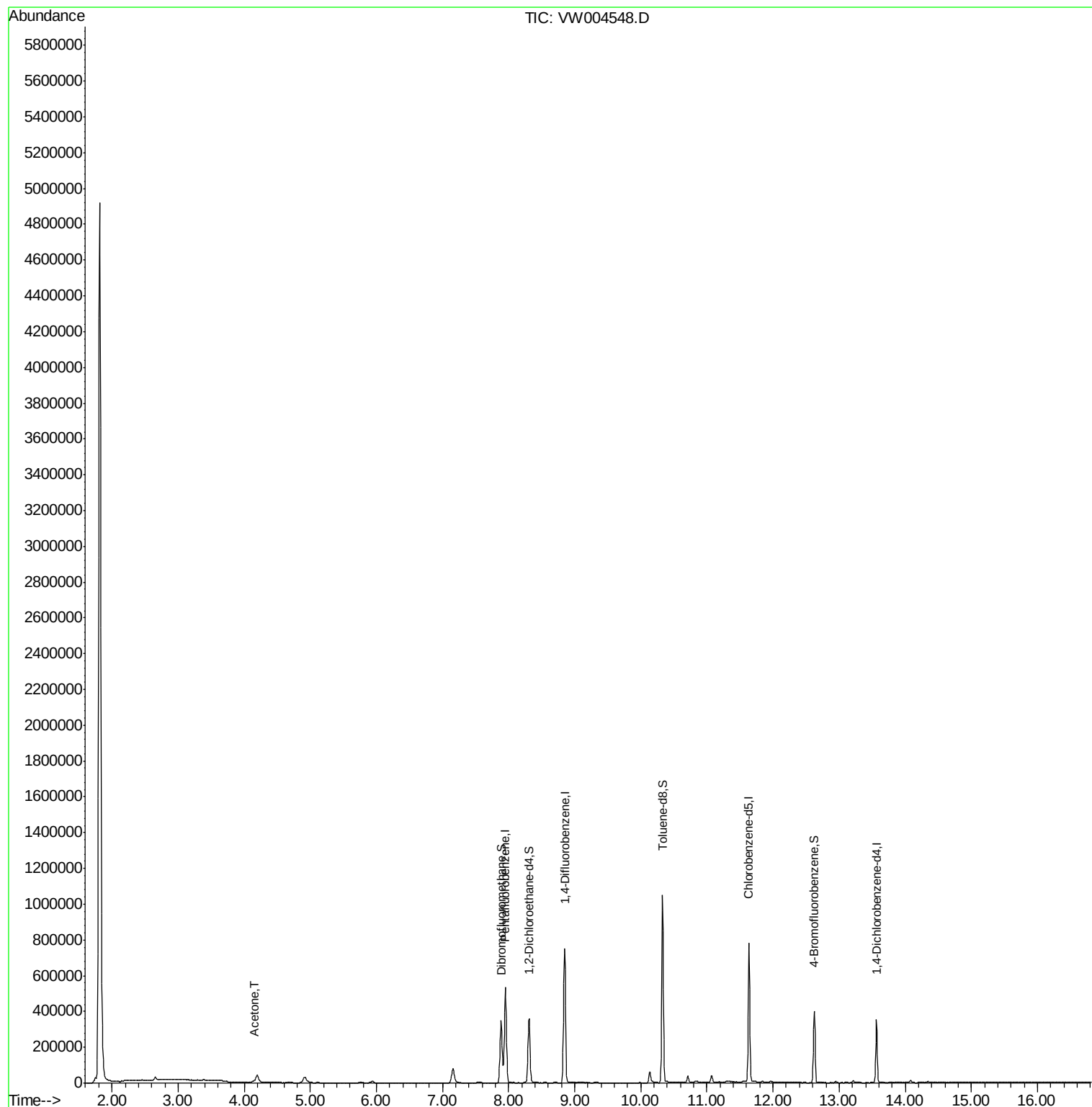
| Target Compounds | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------|------|------|----------|-------|-------|--------|
| 16) Acetone      | 4.15 | 43   | 20866    | 18.85 | ug/l  | 97     |

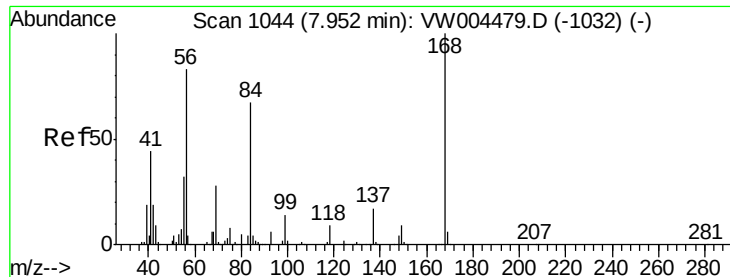
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
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C-13RE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 08:22:01 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: VW004548.D

Acq: 09 Aug 2018 00:36

Instrument :

MSVOA\_W

ClientSampled :

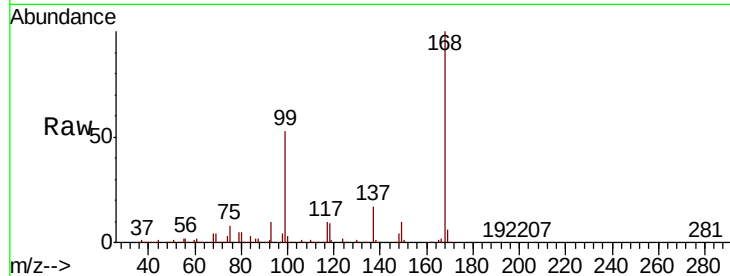
C-13RE

Tot Ion:168 Resp: 400357

Ion Ratio Lower Upper

168 100

99 52.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

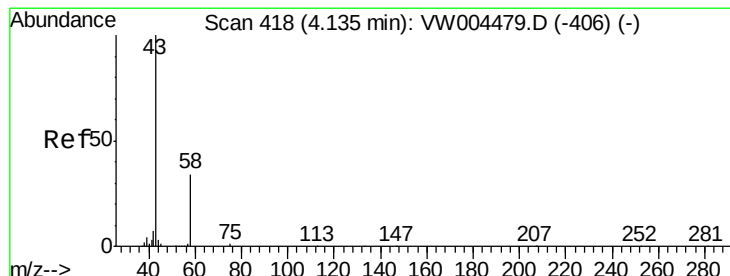
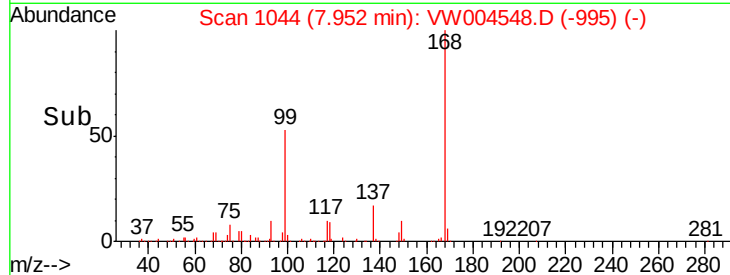
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 18.85 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004548.D

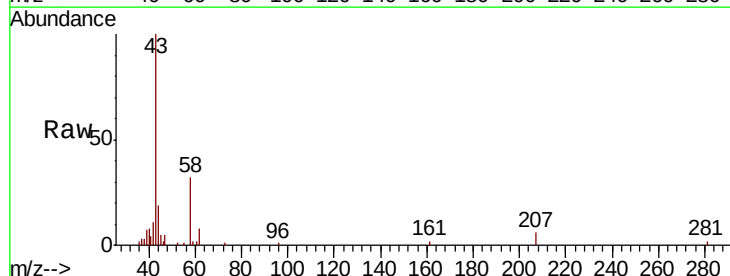
Acq: 09 Aug 2018 00:36

Tgt Ion: 43 Resp: 20866

Ion Ratio Lower Upper

43 100

58 31.7 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

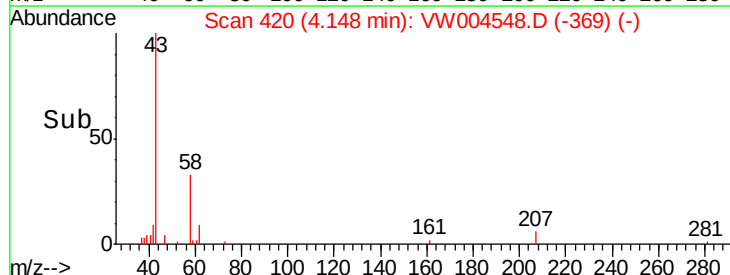
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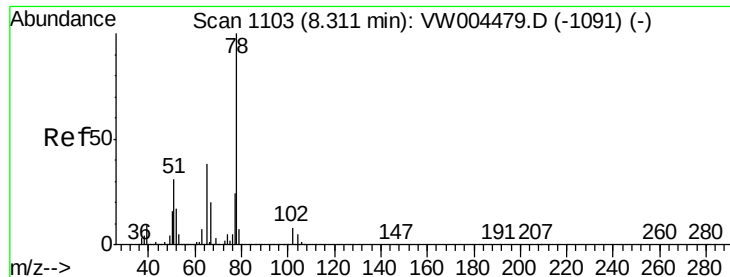
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0

Time-->

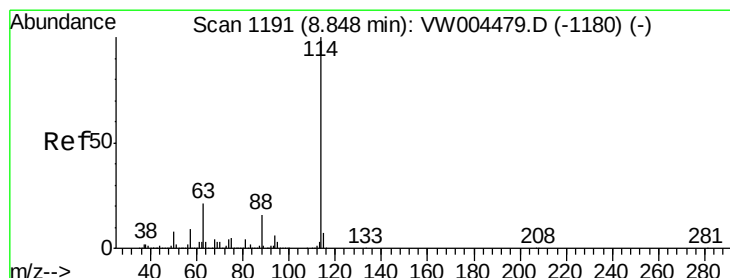
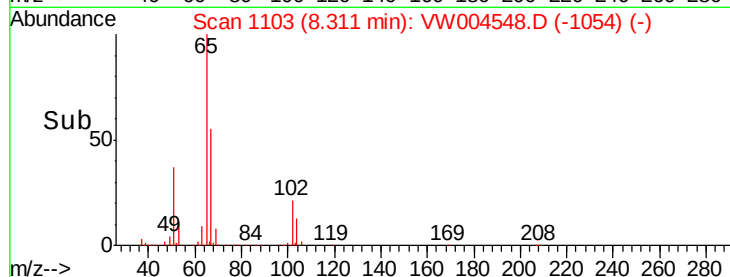
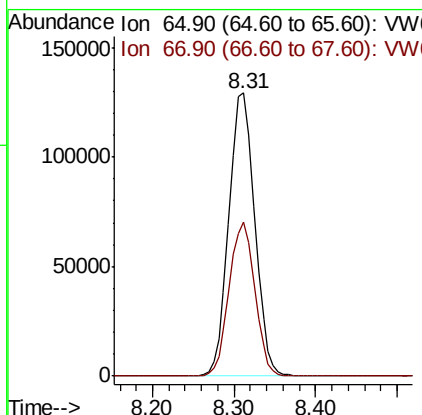
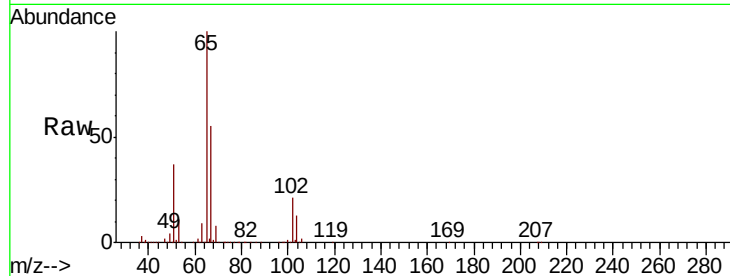




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.91 ug/l  
 RT: 8.31 min Scan# 1103  
 Delta R.T. 0.00 min  
 Lab File: VW004548.D  
 Acq: 09 Aug 2018 00:36

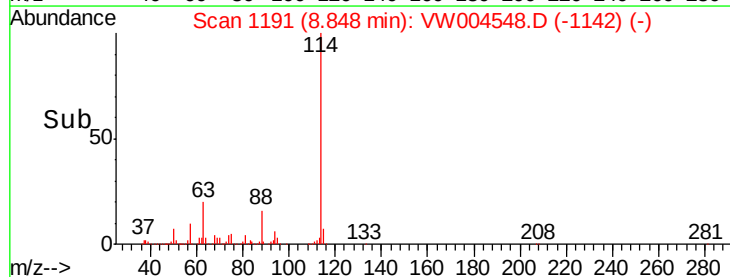
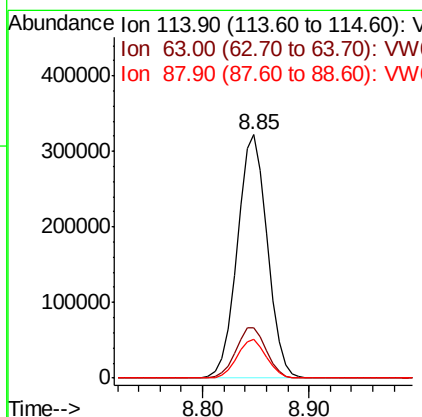
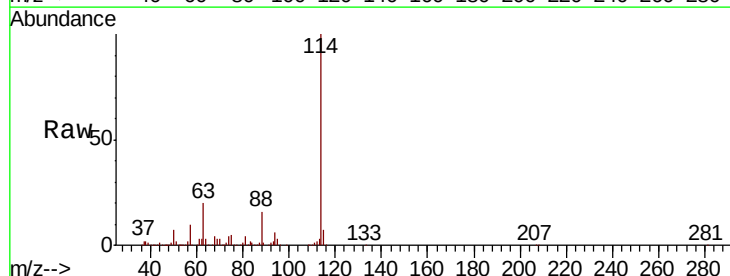
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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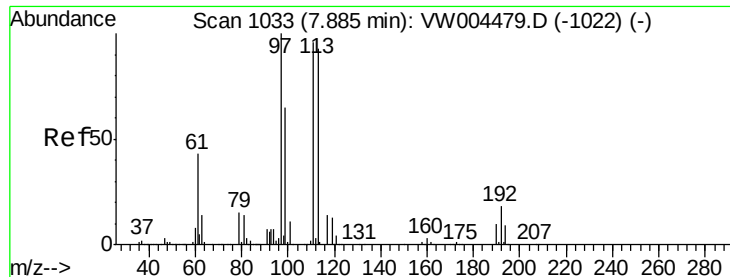
Tot Ion: 65 Resp: 283252  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW004548.D  
 Acq: 09 Aug 2018 00:36

Tgt Ion: 114 Resp: 634623  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 42.4  
 88 15.9 0.0 31.2

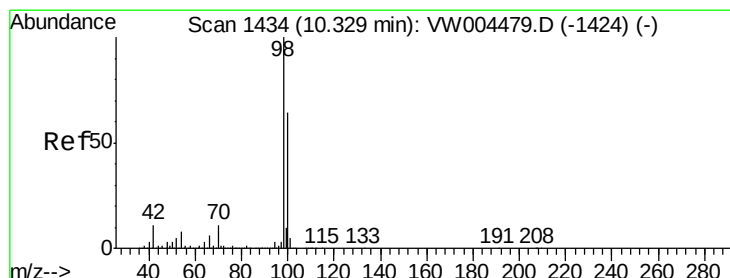
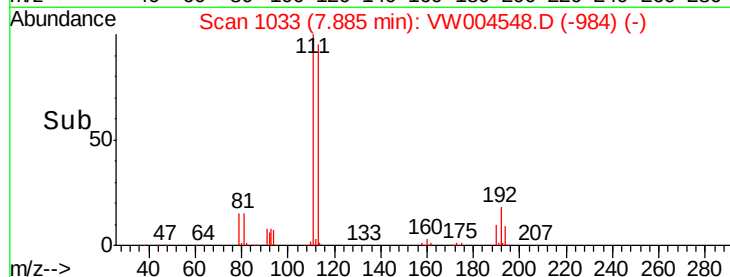
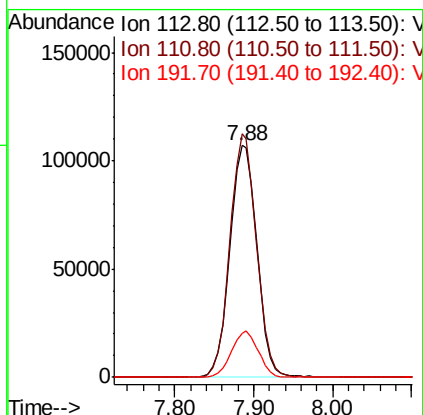
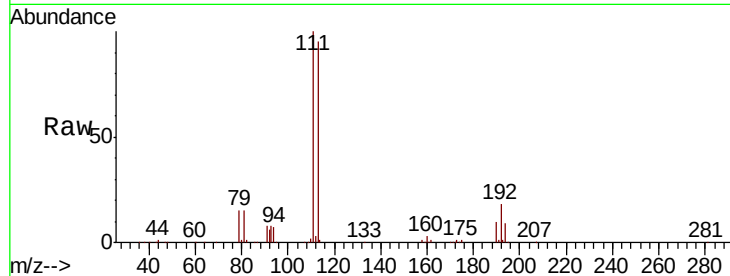




#35  
 Dibromofluoromethane  
 Concen: 60.45 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW004548.D  
 Acq: 09 Aug 2018 00:36

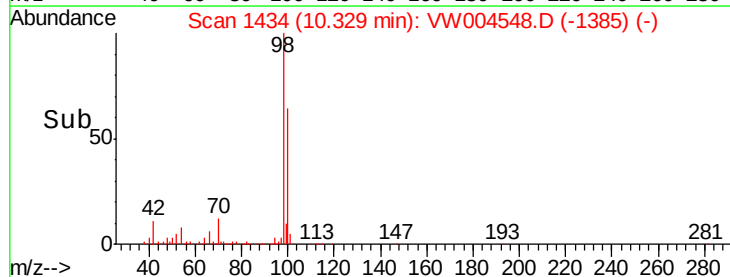
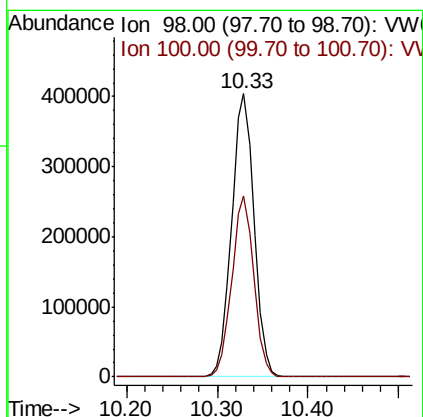
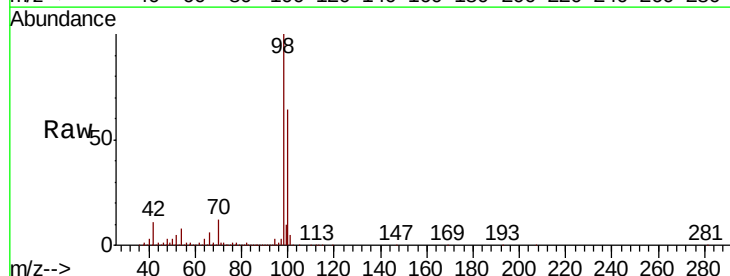
Instrument :  
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 C-13RE

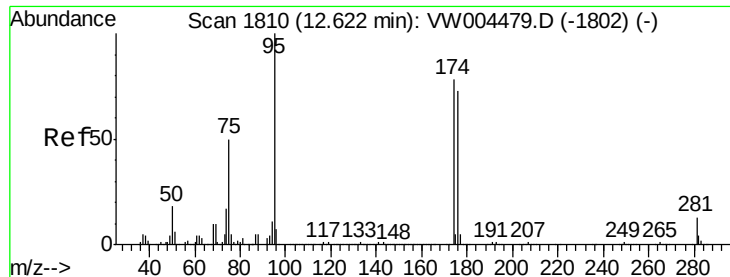
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 82.9  | 124.3 |
| 192     | 19.7  | 15.8  | 23.6  |



#50  
 Toluene-d8  
 Concen: 43.02 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW004548.D  
 Acq: 09 Aug 2018 00:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.5  | 51.4  | 77.2  |

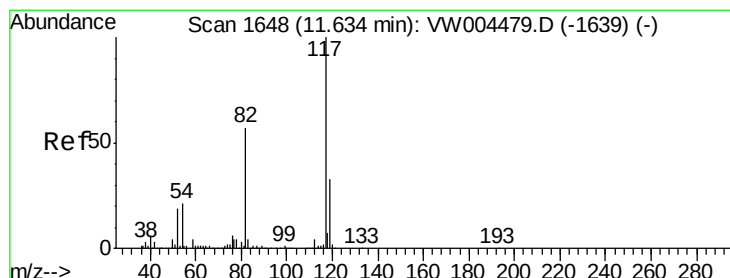
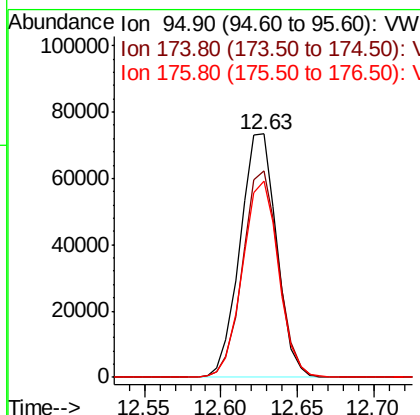
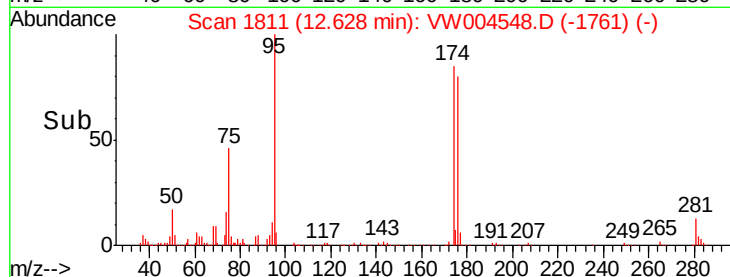
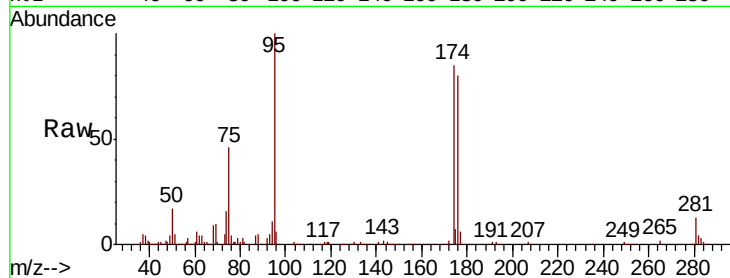




#62  
4-Bromofluorobenzene  
Concen: 21.05 ug/l  
RT: 12.63 min Scan# 1811  
Delta R.T. 0.01 min  
Lab File: VW004548.D  
Acq: 09 Aug 2018 00:36

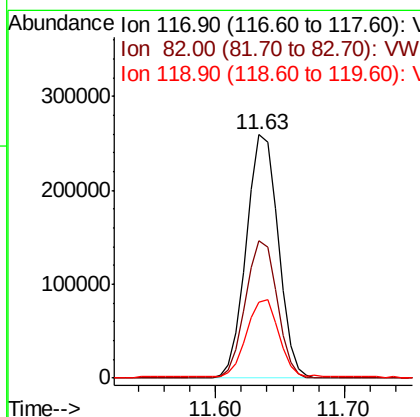
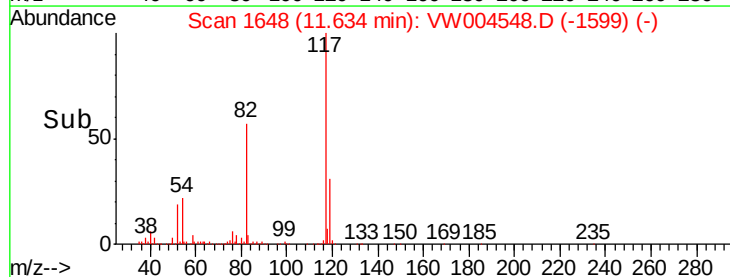
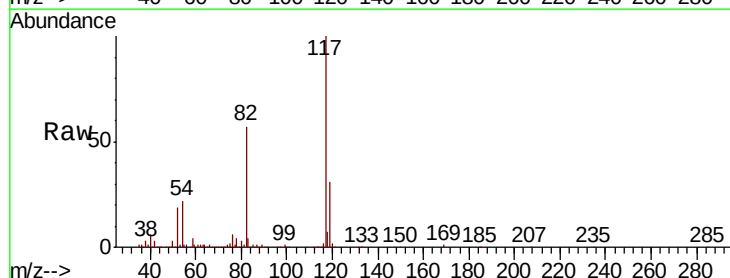
Instrument :  
MSVOA\_W  
ClientSampleId :  
C-13RE

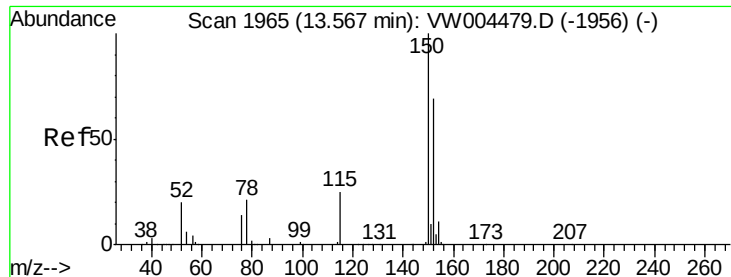
Tot Ion: 95 Resp: 122308  
Ion Ratio Lower Upper  
95 100  
174 83.0 0.0 160.4  
176 79.3 0.0 153.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW004548.D  
Acq: 09 Aug 2018 00:36

Tgt Ion: 117 Resp: 442868  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.3 67.9  
119 30.8 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004548.D

Acq: 09 Aug 2018 00:36

Instrument :

MSVOA\_W

ClientSampleId :

C-13RE

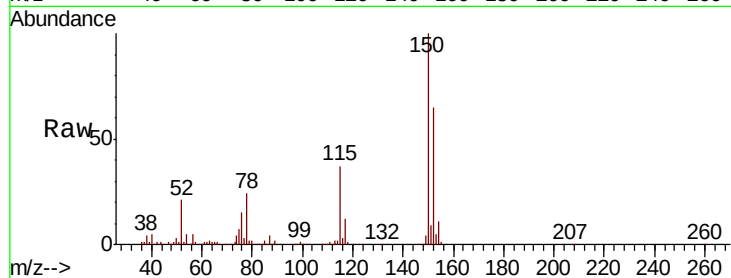
Tot Ion:152 Resp: 94493

Ion Ratio Lower Upper

152 100

115 57.9 29.1 87.3

150 159.0 0.0 349.6



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

