

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\  
 Data File : VW015726.D  
 Acq On : 25 Jun 2020 14:04  
 Operator : SY/VA  
 Sample : L3101-04RE  
 Misc : 6.56G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EBS8-S-03RE

Quant Time: Jun 26 02:51:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062320S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 23 13:20:19 2020  
 Response via : Initial Calibration

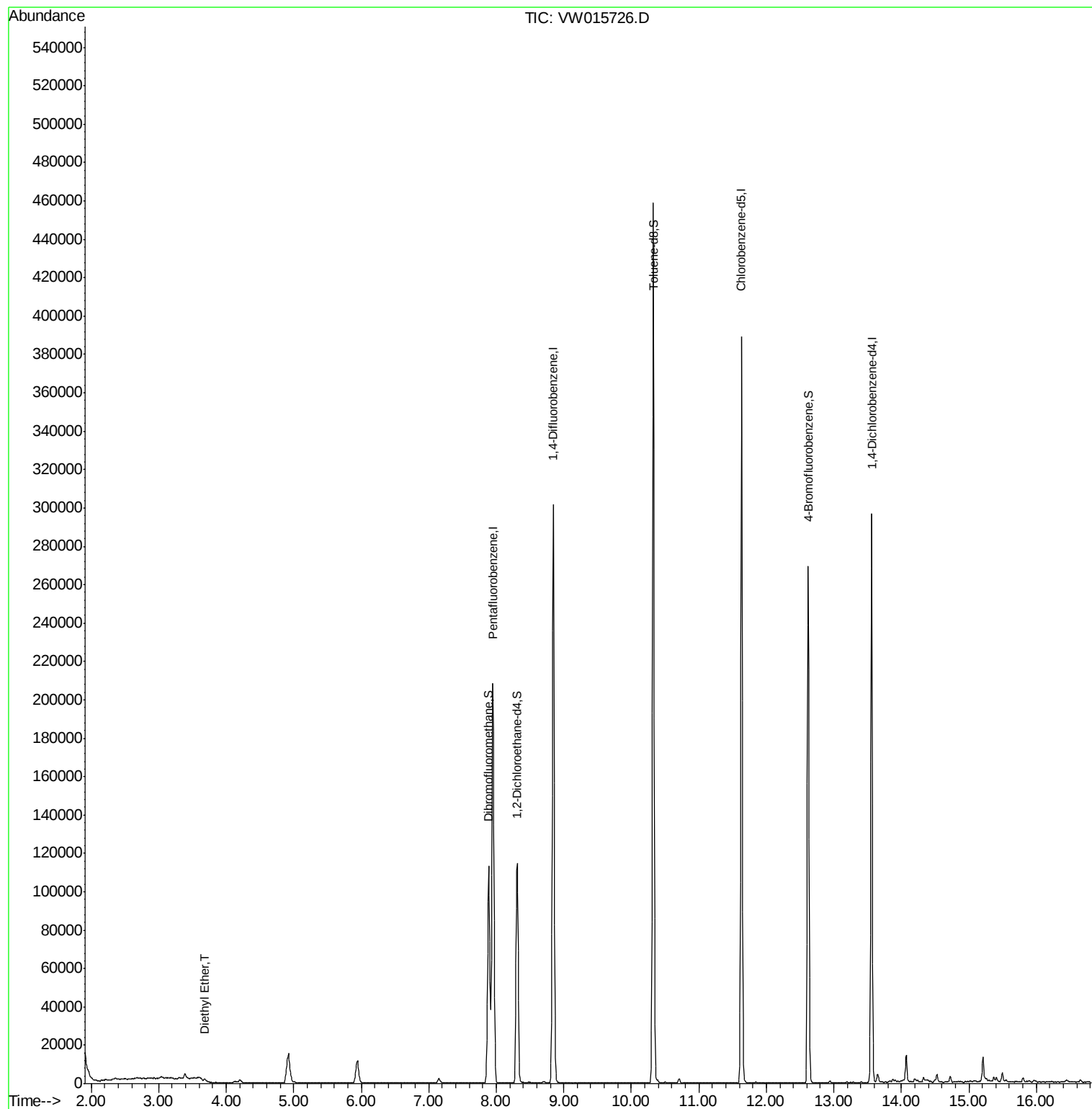
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 151712   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 250950   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 206560   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 75473    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 94717    | 56.11 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.22% |           |
| 35) Dibromofluoromethane    | 7.89  | 113  | 80133    | 50.76 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.52% |           |
| 50) Toluene-d8              | 10.32 | 98   | 299294   | 48.18 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.36%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 85476    | 37.36 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 74.72%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 8) Diethyl Ether            | 3.68  | 74   | 783      | 1.051 | ug/l    | Qvalue 76 |

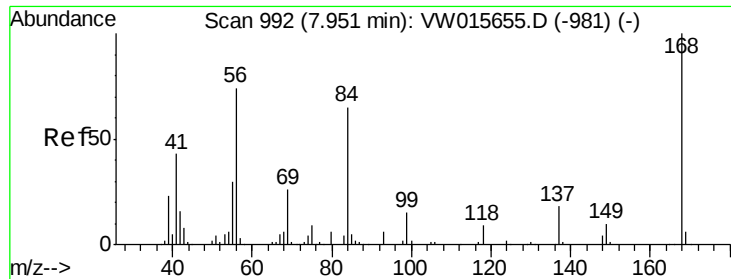
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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Instrument :

MSVOA\_W

ClientSampleId :

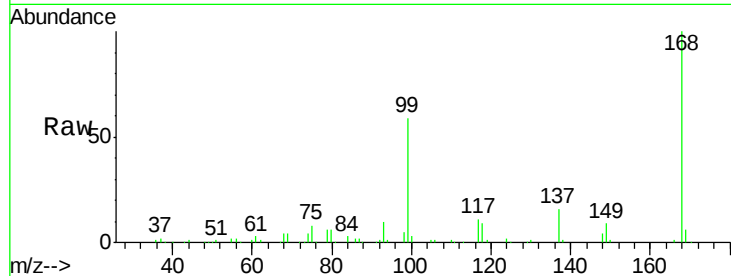
EBS8-S-03RE

Tot Ion:168 Resp: 151712

Ion Ratio Lower Upper

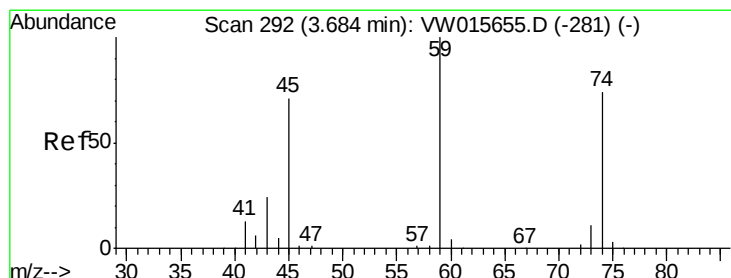
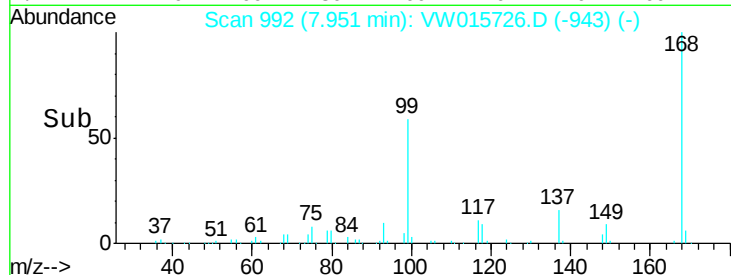
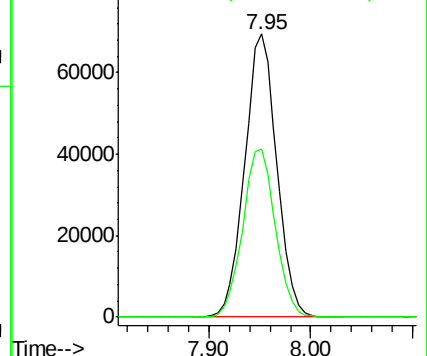
168 100

99 59.3 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.051 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW015726.D

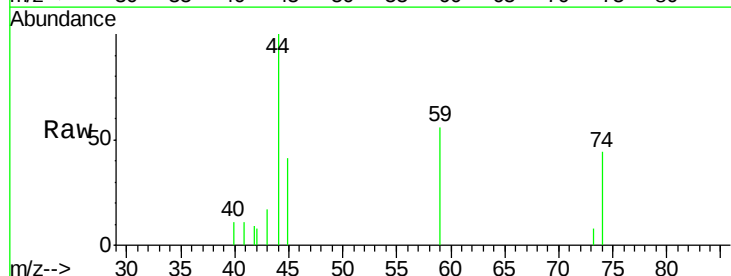
Acq: 25 Jun 2020 14:04

Tgt Ion: 74 Resp: 783

Ion Ratio Lower Upper

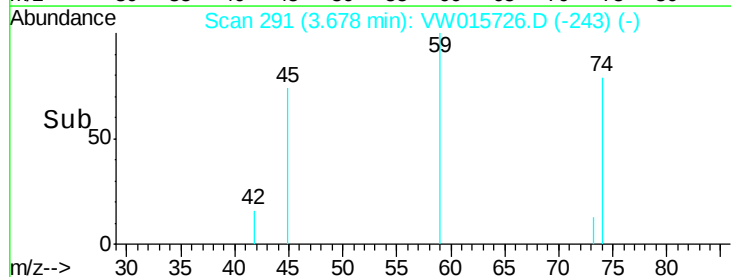
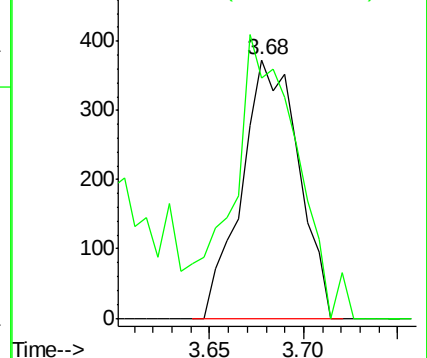
74 100

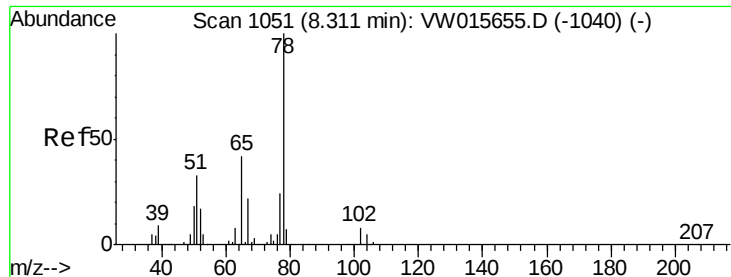
45 120.3 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#33

1,2-Dichloroethane-d4

Concen: 56.112 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015726.D

Acq: 25 Jun 2020 14:04

Instrument :

MSVOA\_W

ClientSampleId :

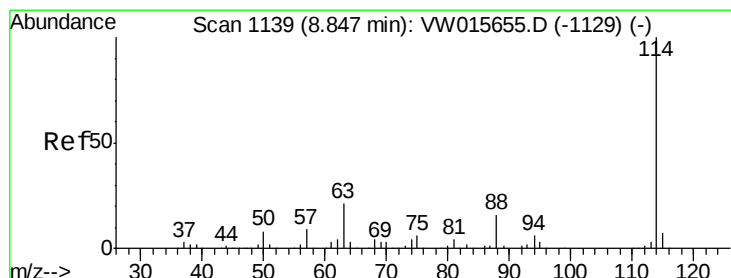
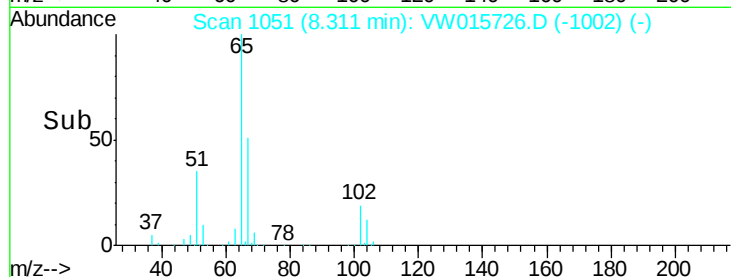
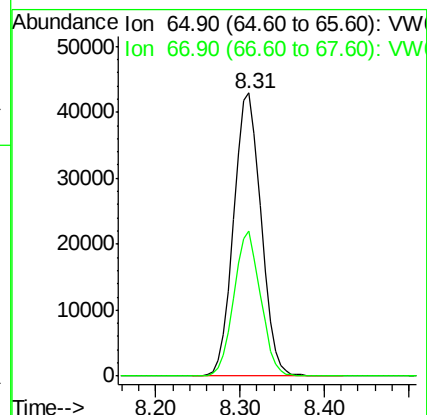
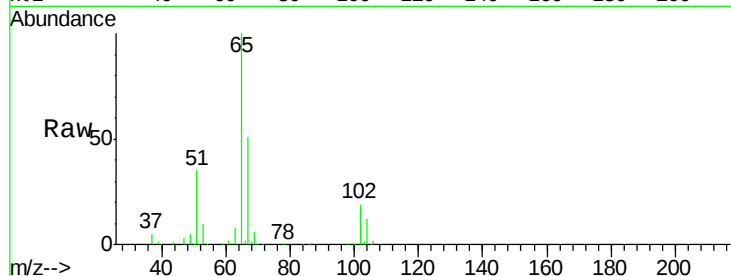
EBS8-S-03RE

Tot Ion: 65 Resp: 94717

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015726.D

Acq: 25 Jun 2020 14:04

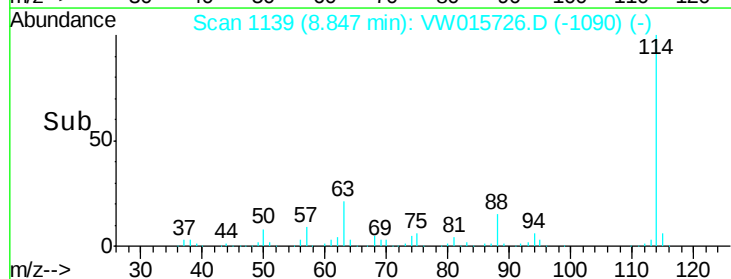
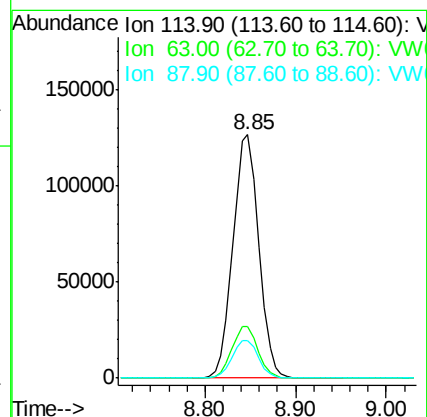
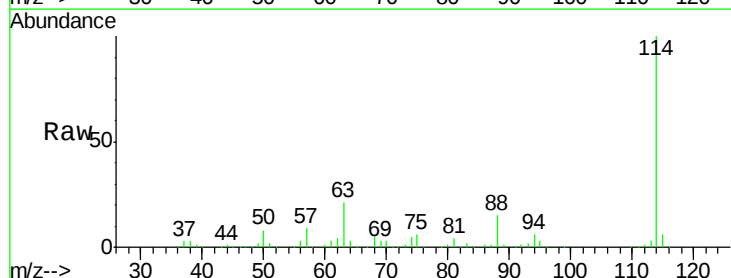
Tgt Ion: 114 Resp: 250950

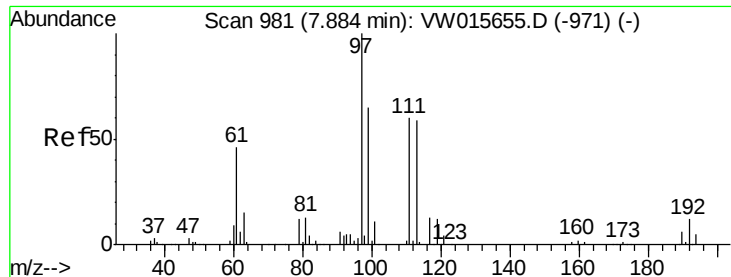
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

88 15.3 0.0 32.6

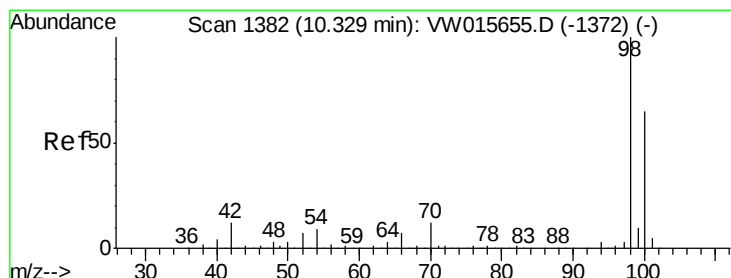
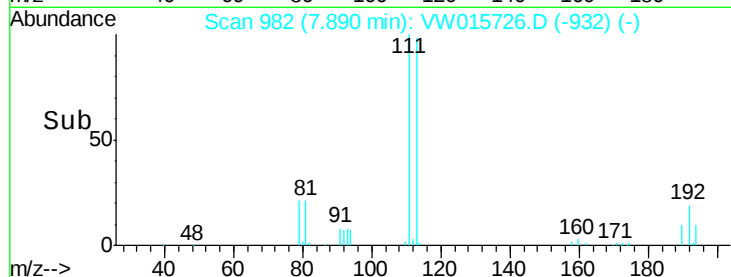
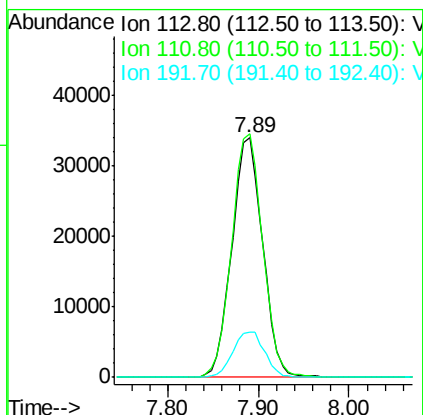
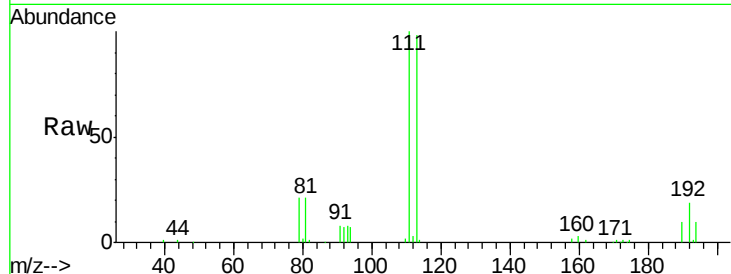




#35  
 Dibromofluoromethane  
 Concen: 50.764 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.01 min  
 Lab File: VW015726.D  
 Acq: 25 Jun 2020 14:04

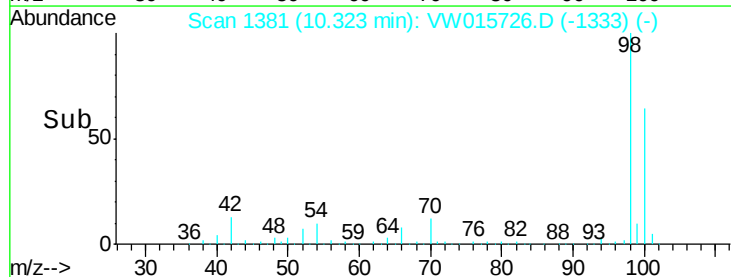
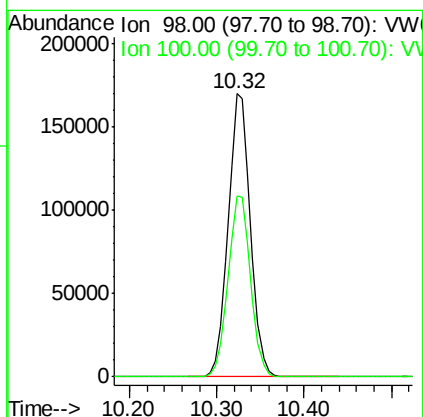
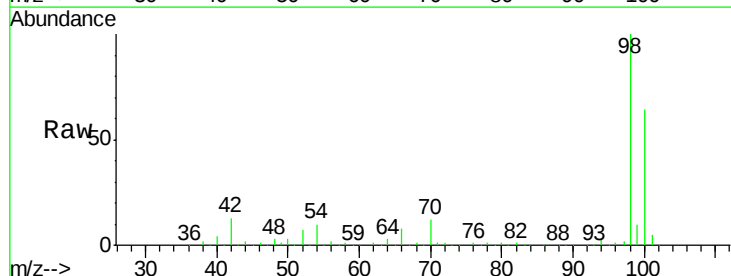
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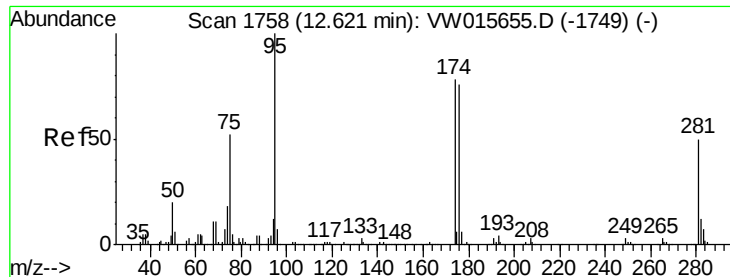
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 82.3  | 123.5 |
| 192     | 19.6  | 16.4  | 24.6  |



#50  
 Toluene-d8  
 Concen: 48.178 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.01 min  
 Lab File: VW015726.D  
 Acq: 25 Jun 2020 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 52.8  | 79.2  |

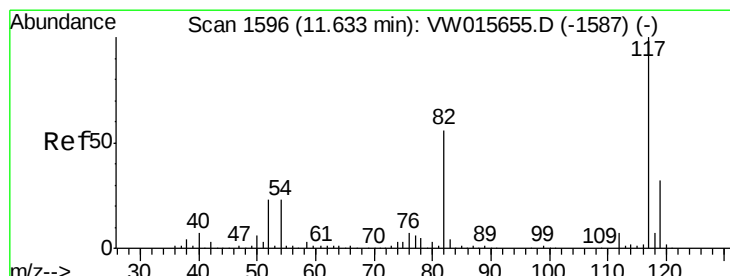
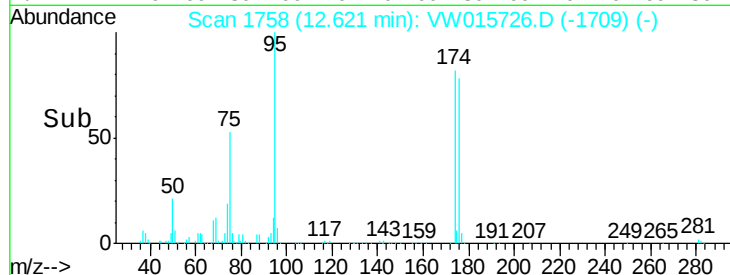
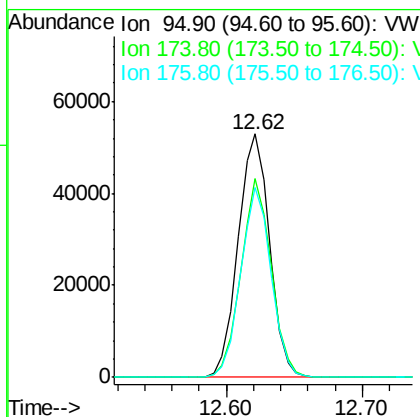
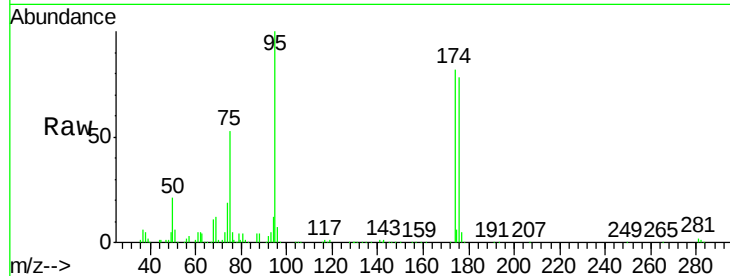




#62  
4-Bromofluorobenzene  
Concen: 37.362 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW015726.D  
Acq: 25 Jun 2020 14:04

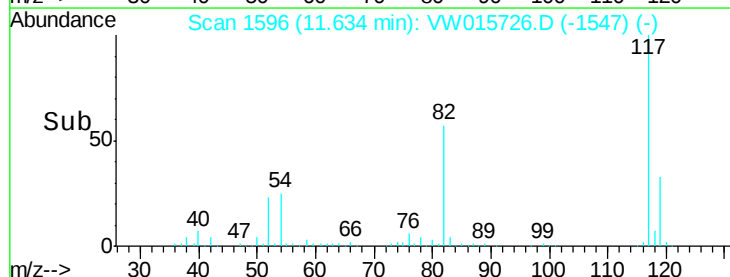
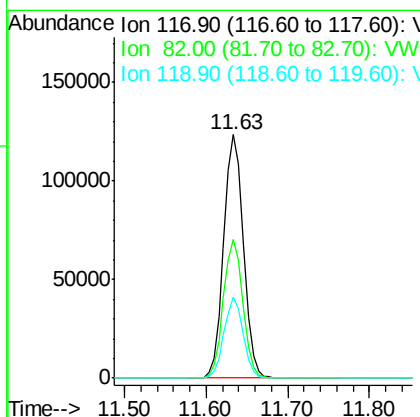
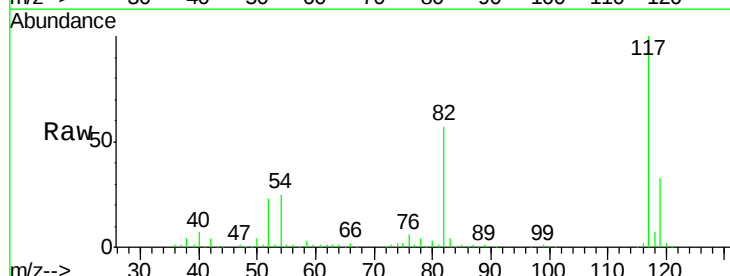
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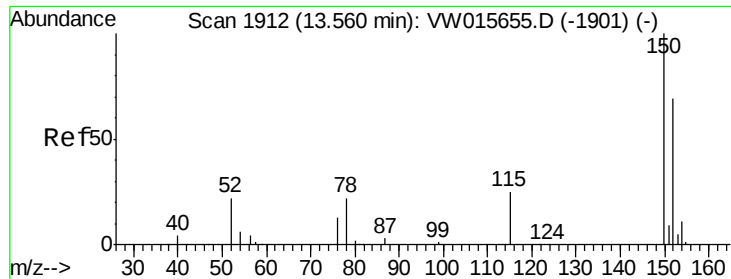
Tot Ion: 95 Resp: 85476  
Ion Ratio Lower Upper  
95 100  
174 78.7 0.0 157.0  
176 75.5 0.0 151.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW015726.D  
Acq: 25 Jun 2020 14:04

Tgt Ion: 117 Resp: 206560  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.1 67.7  
119 33.3 25.8 38.8

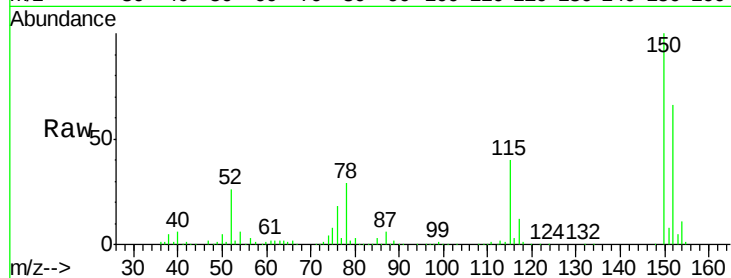




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.56 min Scan# 1912  
 Delta R.T. 0.00 min  
 Lab File: VW015726.D  
 Acq: 25 Jun 2020 14:04

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EBS8-S-03RE

Tot Ion:152 Resp: 75473  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 30.1 90.5  
 150 156.0 0.0 345.6



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

