

Data File : VW015710.D  
Acq On : 25 Jun 2020 04:08  
Operator : SY/VA  
Sample : L3094-01  
Misc : 6.02G/5ML/MSVOA\_W/SOIL  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BRENNAN-FL-001

Quant Time: Jun 25 05:31:40 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  | 179887   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 317646   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 299243   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 125153   | 50.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 116423   | 58.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 116.34% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 100498   | 50.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.60% |      |
| 50) Toluene-d8            | 10.32  | 98  | 405192   | 51.53 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.06% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 133146   | 45.98 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.96%  |      |

Target Compounds

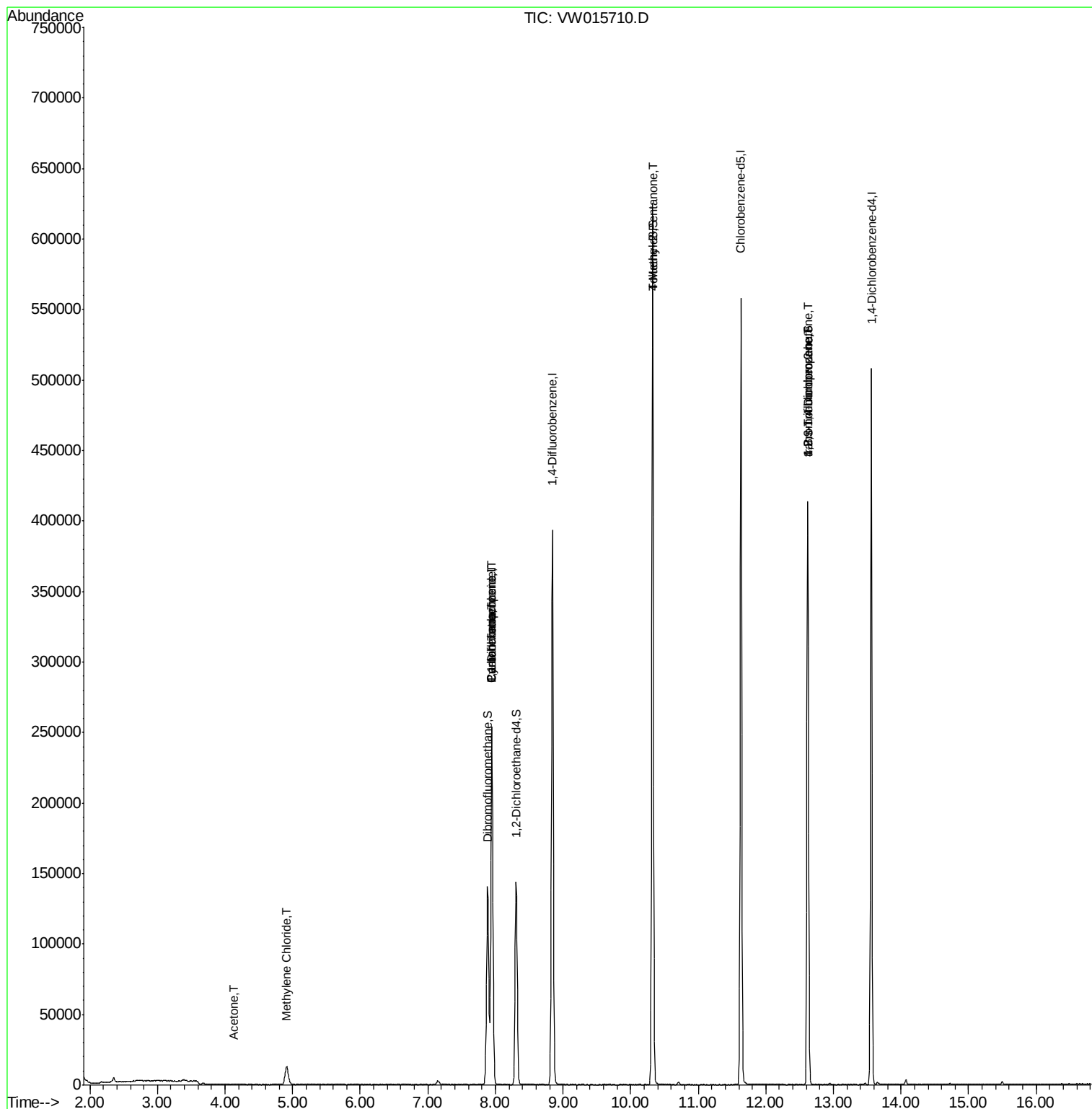
|                                |       |     |       |           | Qvalue |    |
|--------------------------------|-------|-----|-------|-----------|--------|----|
| 16) Acetone                    | 4.13  | 43  | 729   | 1.916     | ug/l # | 83 |
| 18) Methyl Acetate             | 4.70  | 43  | 91    | Below Cal | #      | 52 |
| 20) Methylene Chloride         | 4.92  | 84  | 10540 | 1.244     | ug/l   | 96 |
| 31) Cyclohexane                | 7.95  | 56  | 4278  | 1.241     | ug/l # | 15 |
| 36) 1,1-Dichloropropene        | 7.95  | 75  | 15035 | 4.551     | ug/l # | 50 |
| 38) Carbon Tetrachloride       | 7.95  | 117 | 18394 | 5.743     | ug/l # | 19 |
| 51) 4-Methyl-2-Pentanone       | 10.32 | 43  | 1978  | 1.629     | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75  | 71839 | 62.929    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75  | 71839 | 158.584   | ug/l # | 8  |

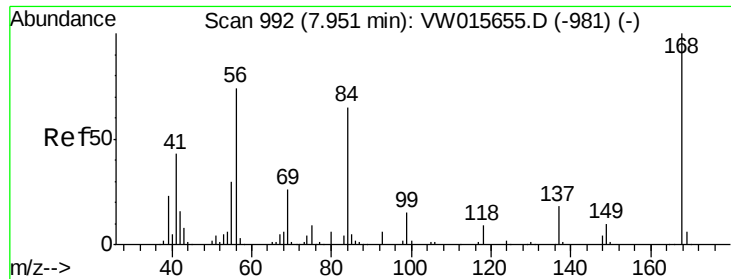
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015710.D

Acq: 25 Jun 2020 04:08

Instrument :

MSVOA\_W

ClientSampleId :

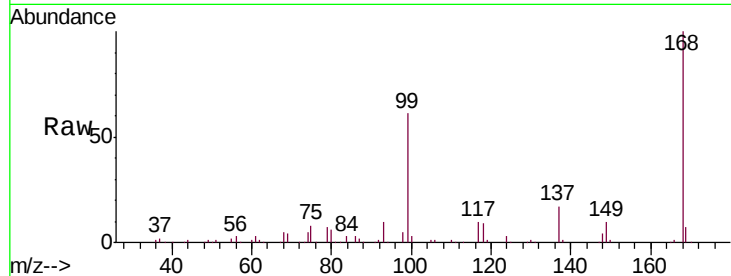
BRENNAN-FL-001

Tgt Ion: 168 Resp: 179887

Ion Ratio Lower Upper

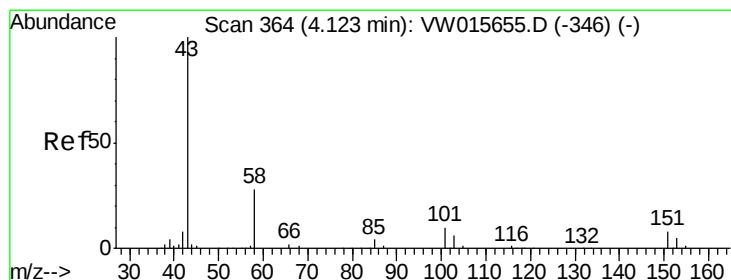
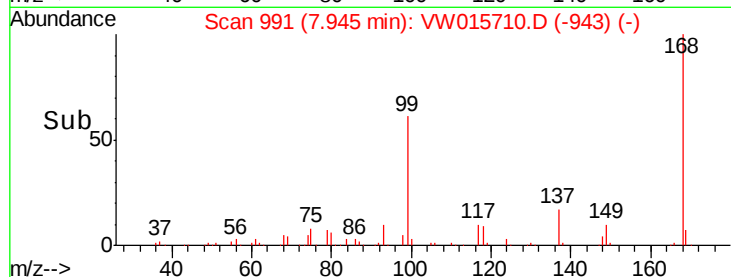
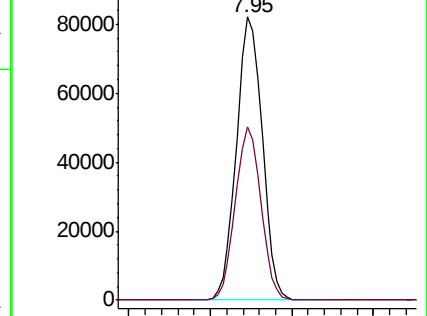
168 100

99 61.4 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 1.916 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015710.D

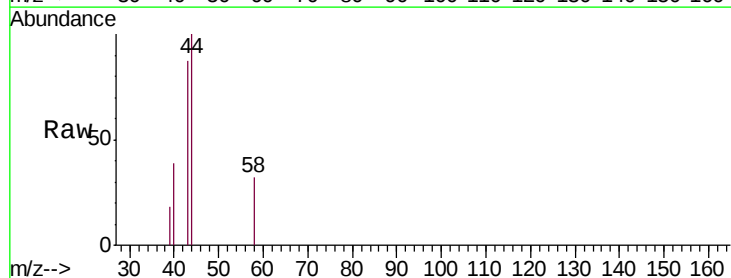
Acq: 25 Jun 2020 04:08

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

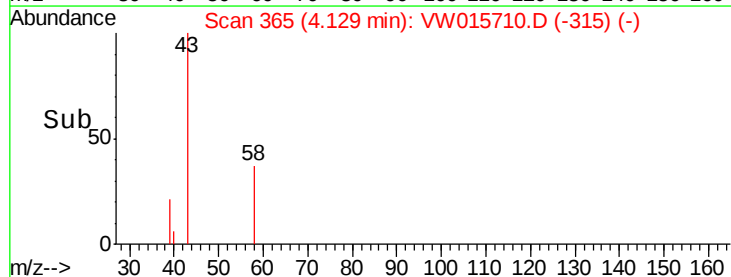
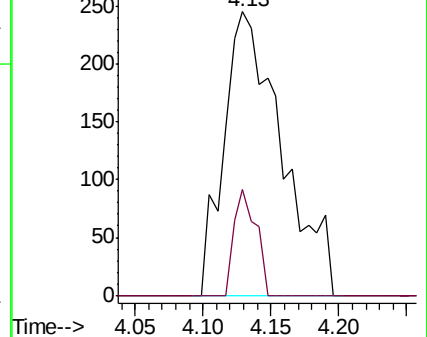
43 100

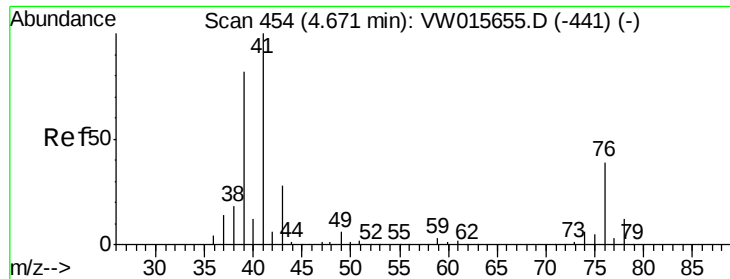
58 37.1 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

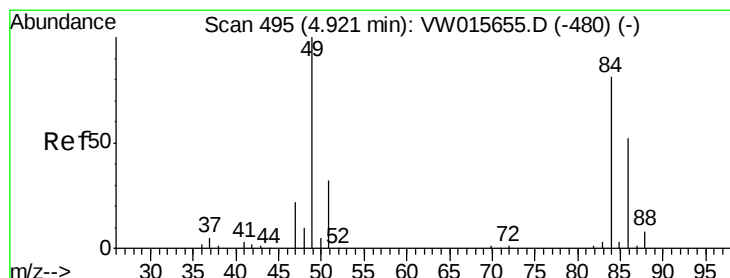
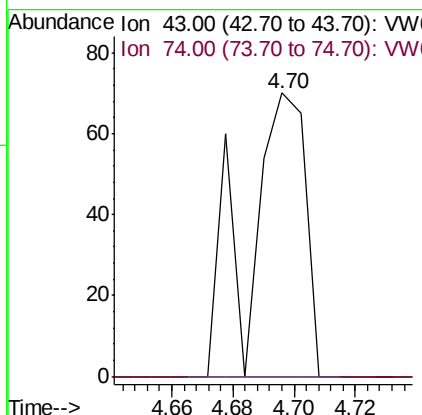
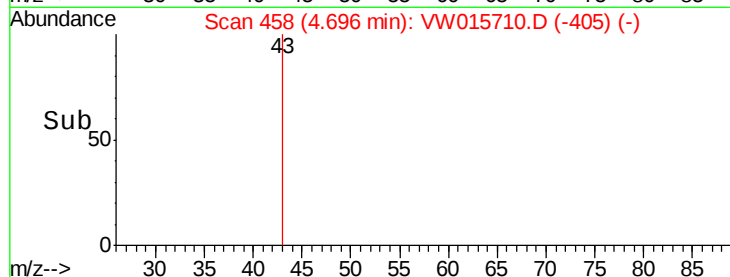
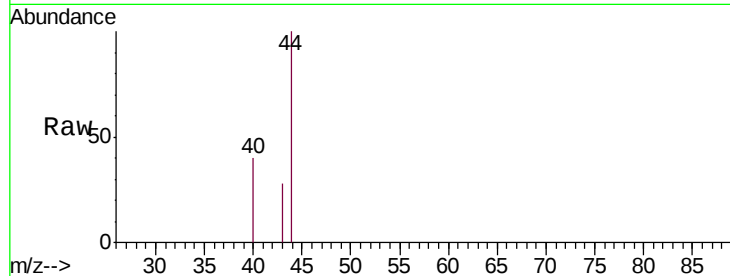




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.70 min Scan# 458  
Delta R.T. 0.03 min  
Lab File: VW015710.D  
Acq: 25 Jun 2020 04:08

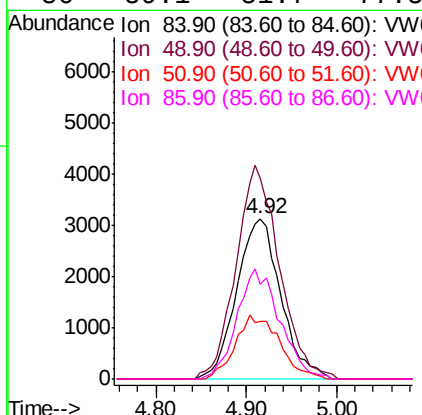
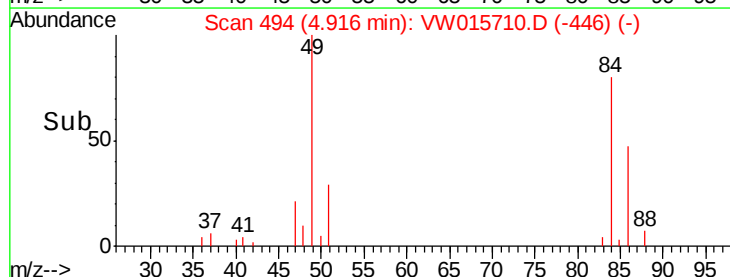
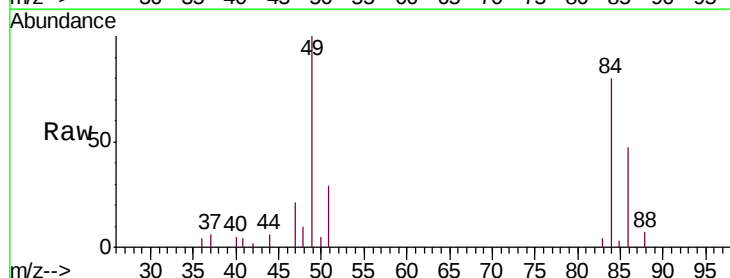
Instrument :  
MSVOA\_W  
ClientSampleId :  
BRENNAN-FL-001

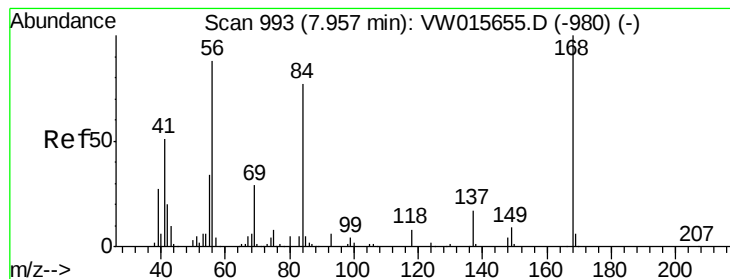
Tgt Ion: 43 Resp: 91  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.0 28.6#



#20  
Methylene Chloride  
Concen: 1.244 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW015710.D  
Acq: 25 Jun 2020 04:08

Tgt Ion: 84 Resp: 10540  
Ion Ratio Lower Upper  
84 100  
49 125.0 99.3 148.9  
51 35.8 31.8 47.6  
86 59.1 51.7 77.5





#31

Cyclohexane

Concen: 1.241 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015710.D

Acq: 25 Jun 2020 04:08

Instrument :

MSVOA\_W

ClientSampleId :

BRENNAN-FL-001

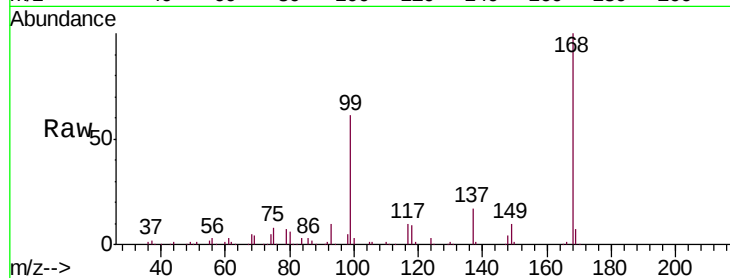
Tgt Ion: 56 Resp: 4278

Ion Ratio Lower Upper

56 100

69 151.6 26.2 39.4#

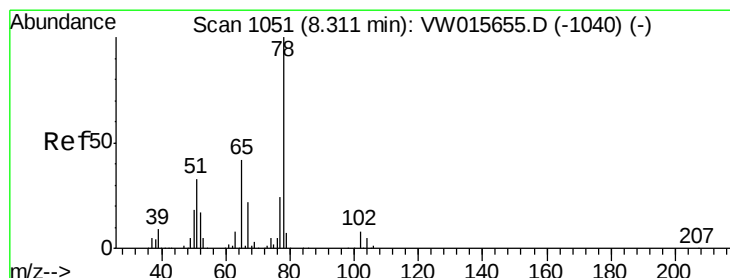
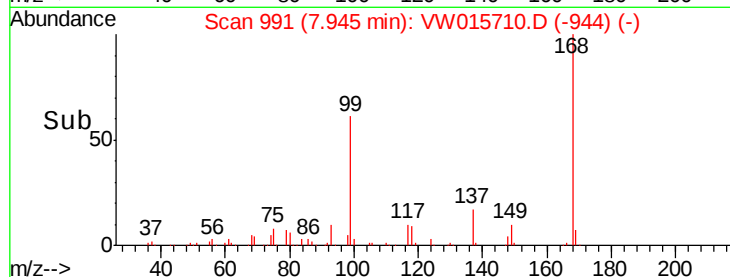
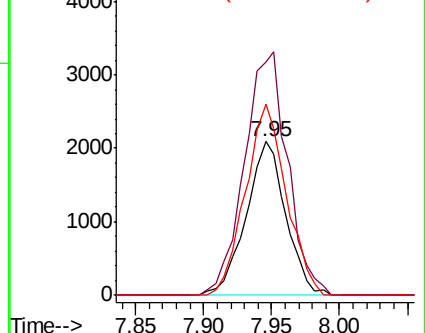
84 124.1 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 58.168 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015710.D

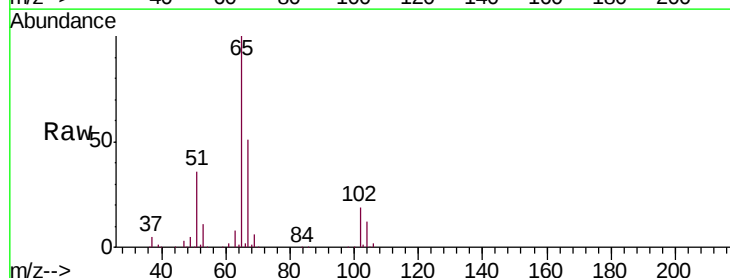
Acq: 25 Jun 2020 04:08

Tgt Ion: 65 Resp: 116423

Ion Ratio Lower Upper

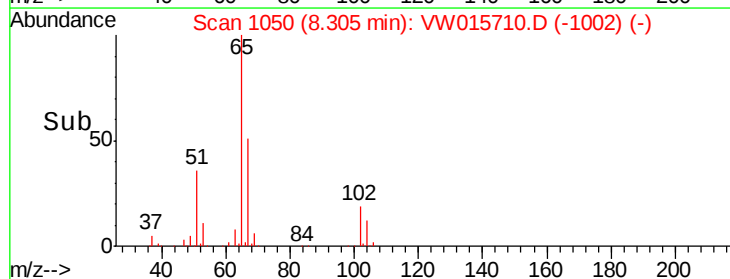
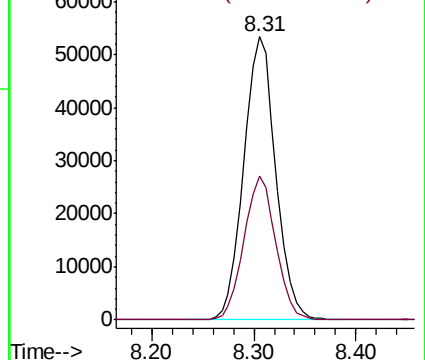
65 100

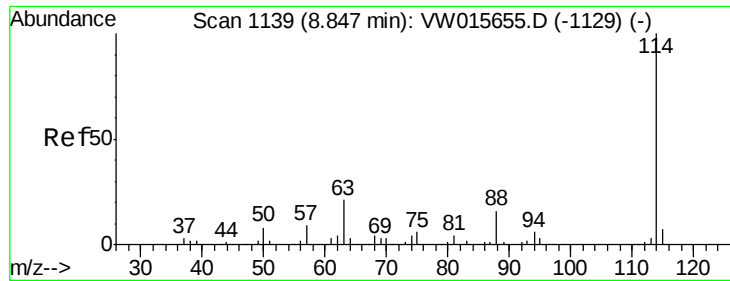
67 50.5 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

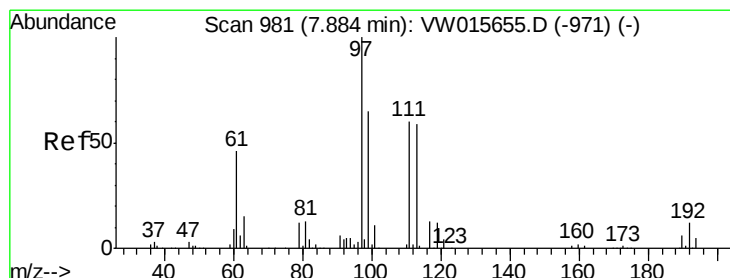
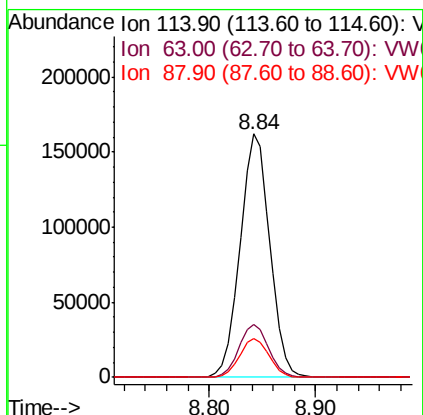
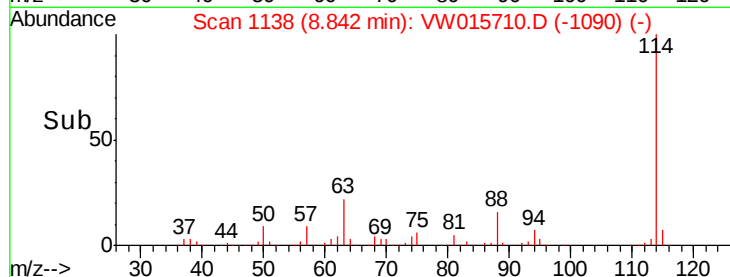
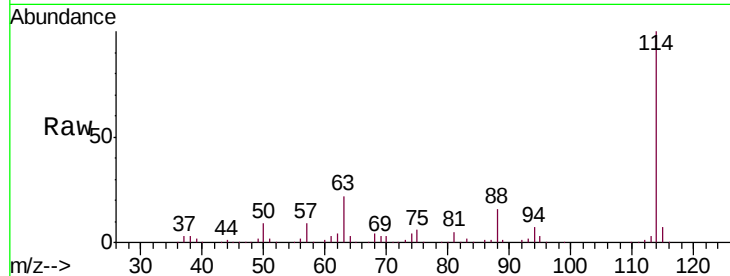




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.01 min  
Lab File: VW015710.D  
Acq: 25 Jun 2020 04:08

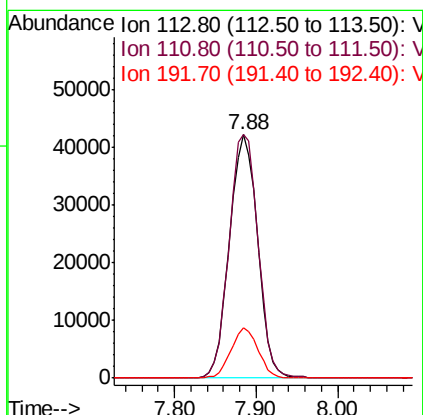
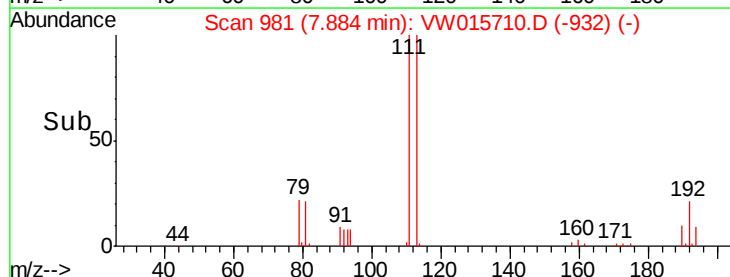
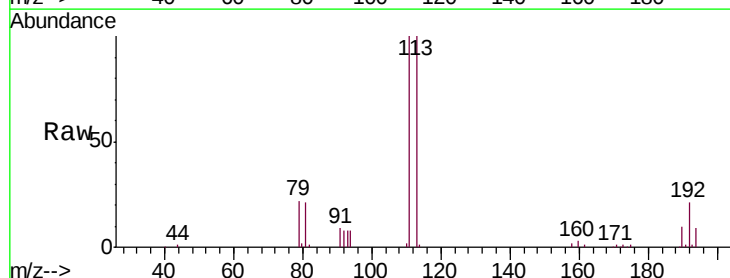
Instrument :  
MSVOA\_W  
ClientSampleId :  
BRENNAN-FL-001

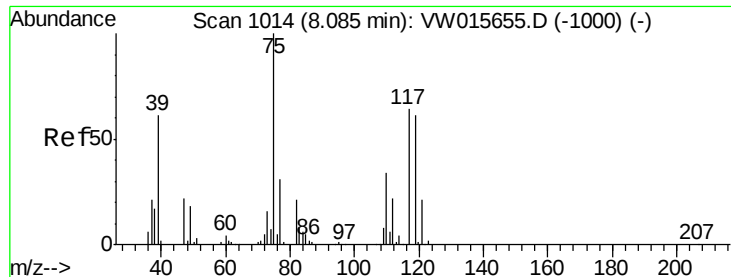
Tgt Ion:114 Resp: 317646  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 42.4  
88 16.2 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 50.297 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: VW015710.D  
Acq: 25 Jun 2020 04:08

Tgt Ion:113 Resp: 100498  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.3 123.5  
192 19.8 16.4 24.6

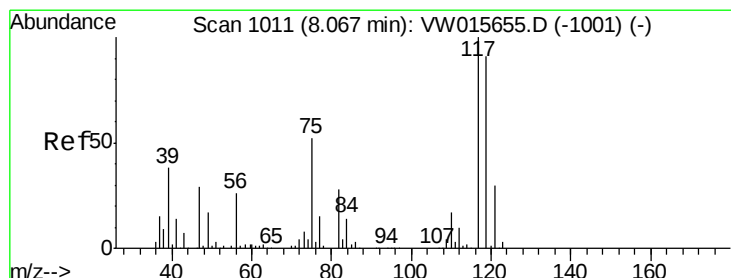
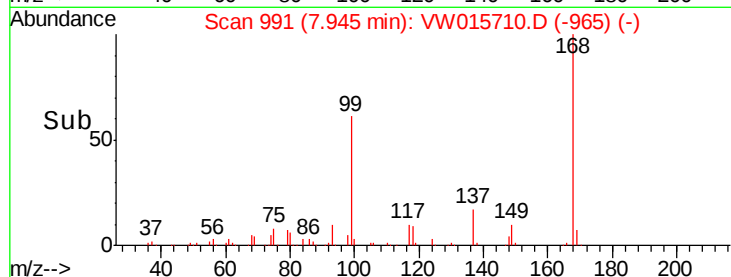
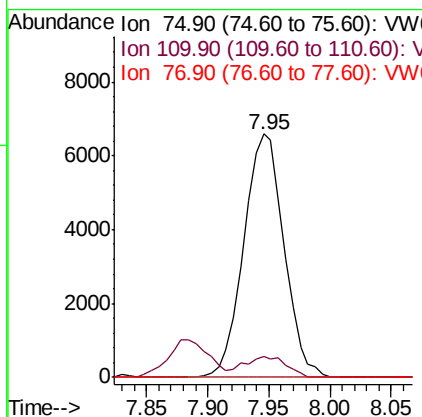
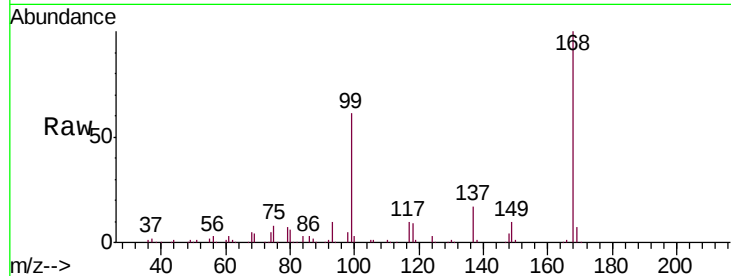




#36  
 1,1-Dichloropropene  
 Concen: 4.551 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.14 min  
 Lab File: VW015710.D  
 Acq: 25 Jun 2020 04:08

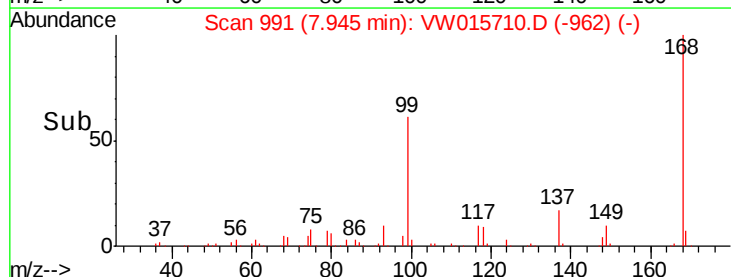
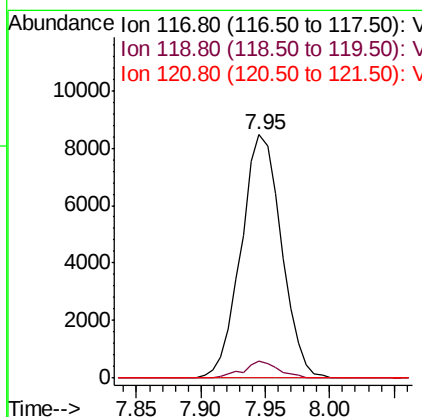
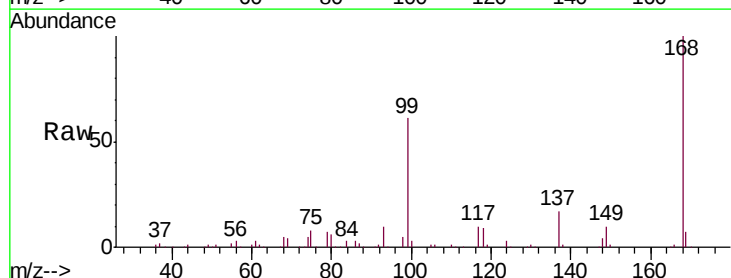
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BRENNAN-FL-001

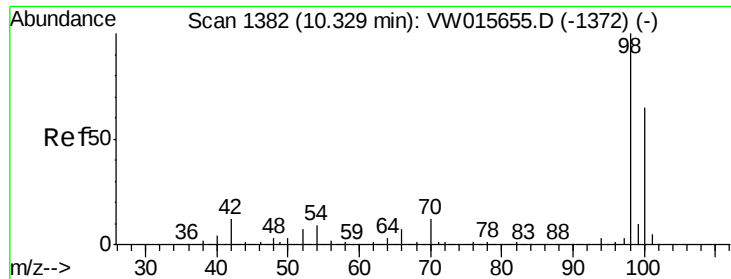
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.9   | 17.0  | 51.0# |
| 77      | 0.0   | 24.6  | 36.8# |



#38  
 Carbon Tetrachloride  
 Concen: 5.743 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.12 min  
 Lab File: VW015710.D  
 Acq: 25 Jun 2020 04:08

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 6.8   | 73.2  | 109.8# |
| 121     | 0.0   | 23.9  | 35.9#  |





#50

Toluene-d8

Concen: 51.530 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015710.D

Acq: 25 Jun 2020 04:08

Instrument :

MSVOA\_W

ClientSampleId :

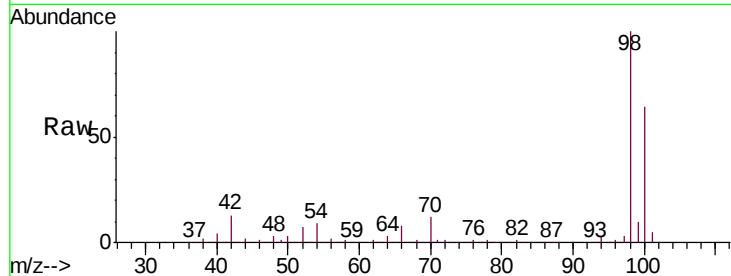
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Tgt Ion: 98 Resp: 405192

Ion Ratio Lower Upper

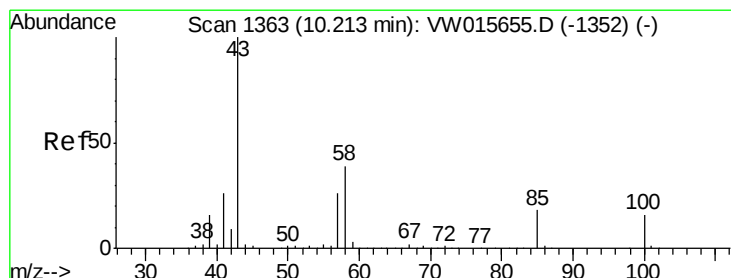
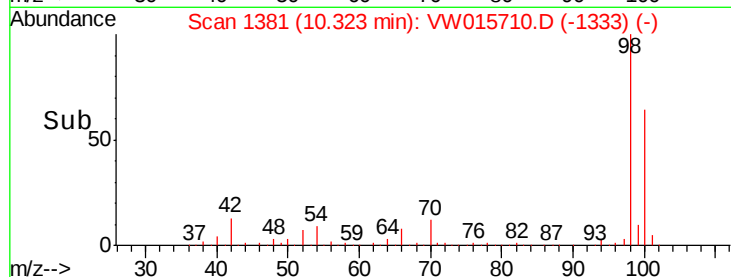
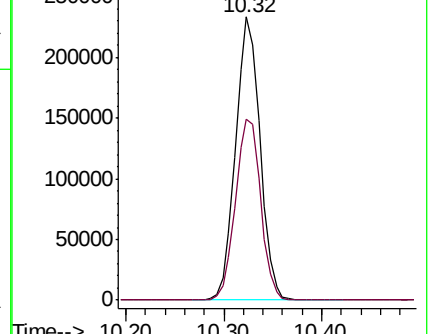
98 100

100 66.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.629 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015710.D

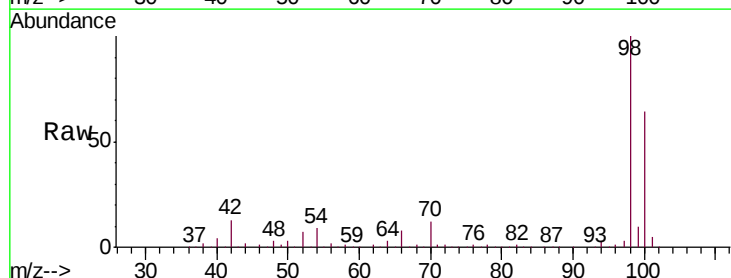
Acq: 25 Jun 2020 04:08

Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

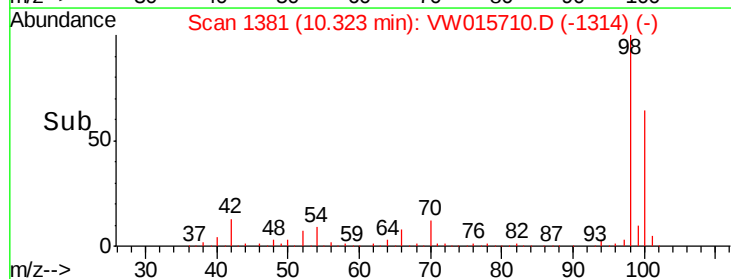
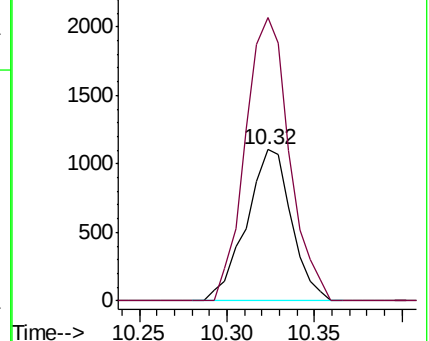
43 100

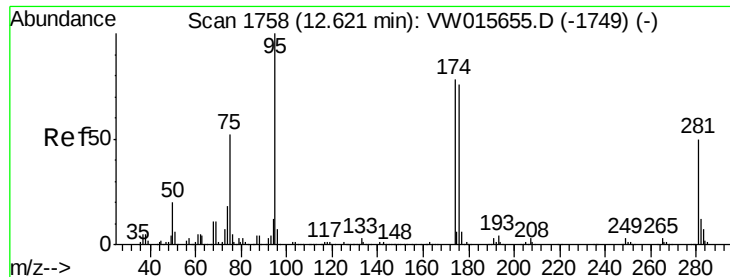
58 183.6 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

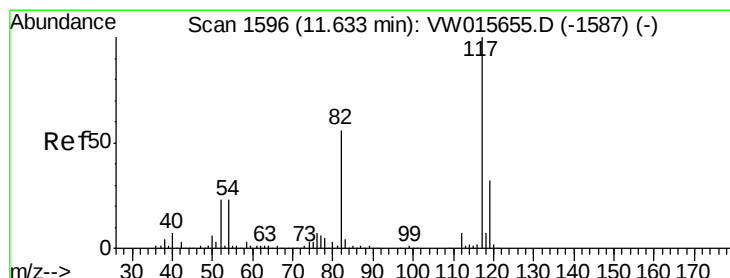
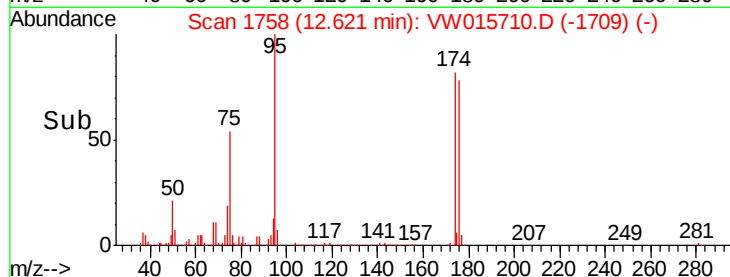
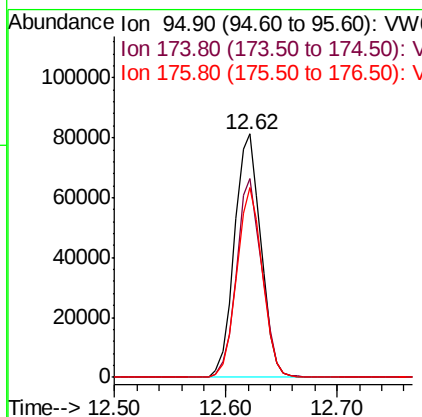
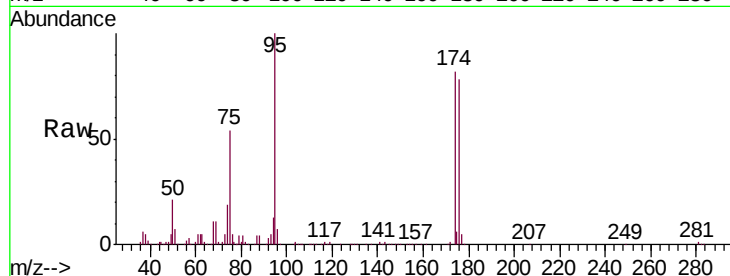




#62  
4-Bromofluorobenzene  
Concen: 45.978 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW015710.D  
Acq: 25 Jun 2020 04:08

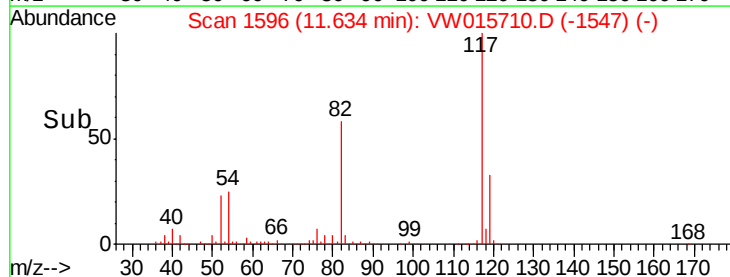
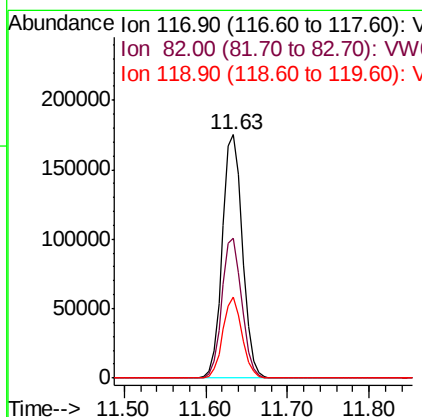
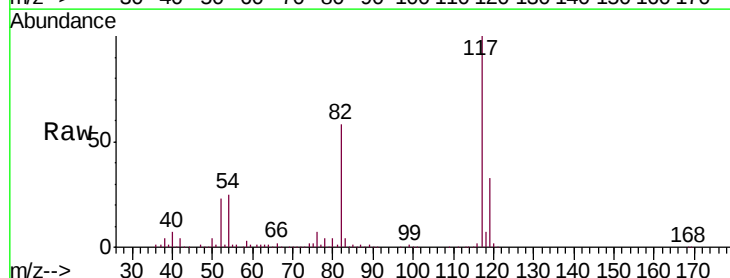
Instrument :  
MSVOA\_W  
ClientSampleId :  
BRENNAN-FL-001

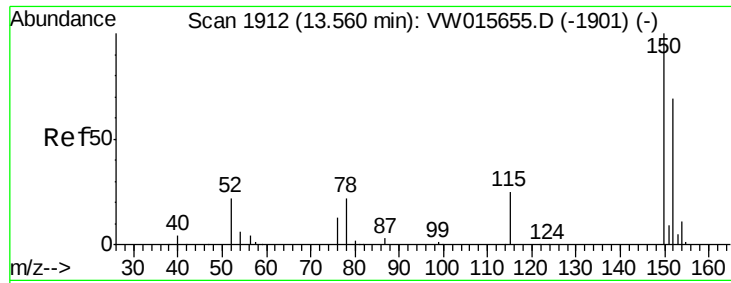
Tgt Ion: 95 Resp: 133146  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 157.0  
176 75.8 0.0 151.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW015710.D  
Acq: 25 Jun 2020 04:08

Tgt Ion: 117 Resp: 299243  
Ion Ratio Lower Upper  
117 100  
82 57.7 45.1 67.7  
119 33.4 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: VW015710.D

Acq: 25 Jun 2020 04:08

Instrument :

MSVOA\_W

ClientSampleId :

BRENNAN-FL-001

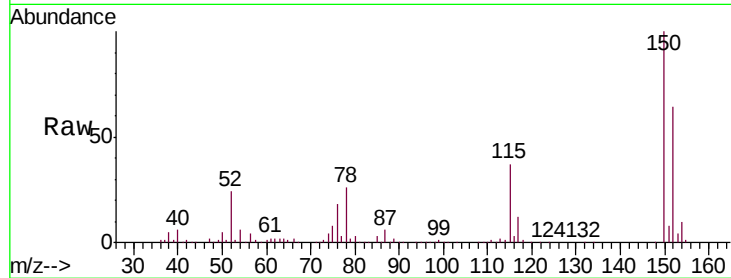
Tgt Ion:152 Resp: 125153

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.5

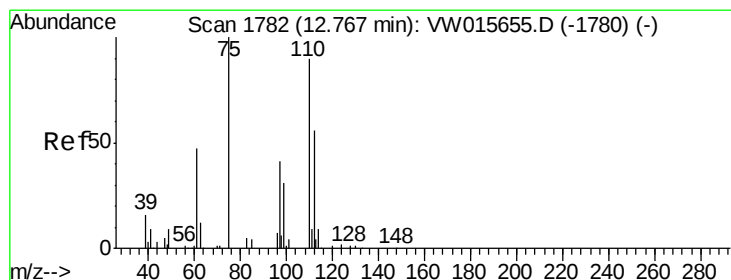
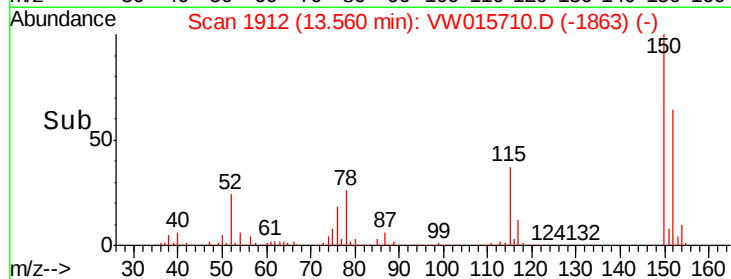
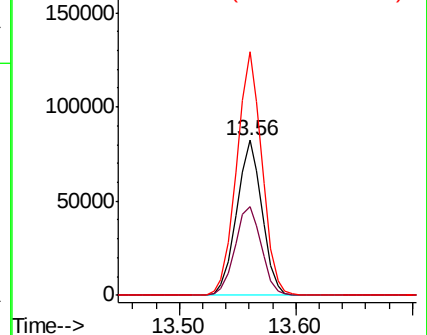
150 156.4 0.0 345.6



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



#76

1,2,3-Trichloropropane

Concen: 62.929 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015710.D

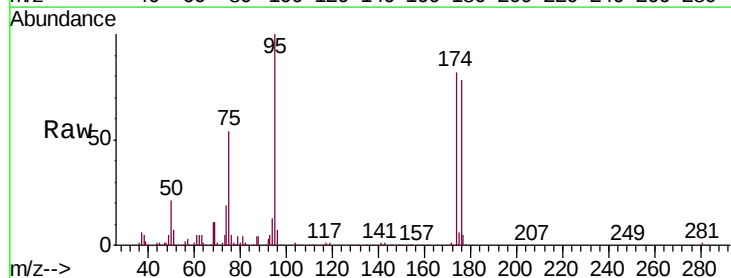
Acq: 25 Jun 2020 04:08

Tgt Ion: 75 Resp: 71839

Ion Ratio Lower Upper

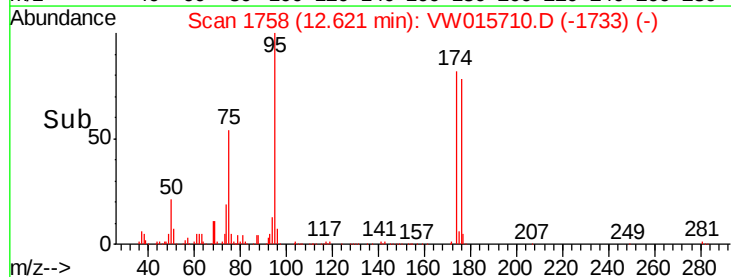
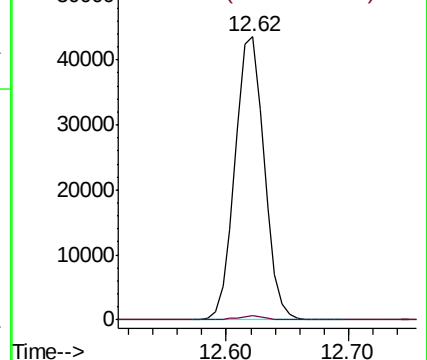
75 100

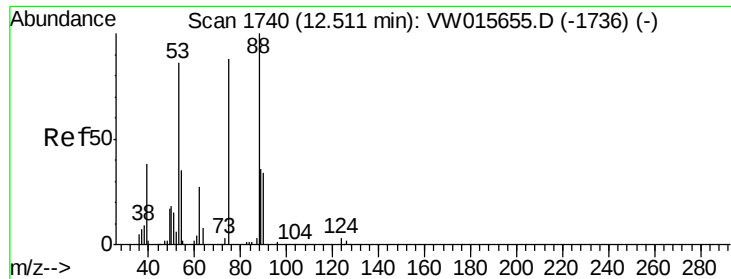
77 1.2 179.1 537.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 158.584 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015710.D

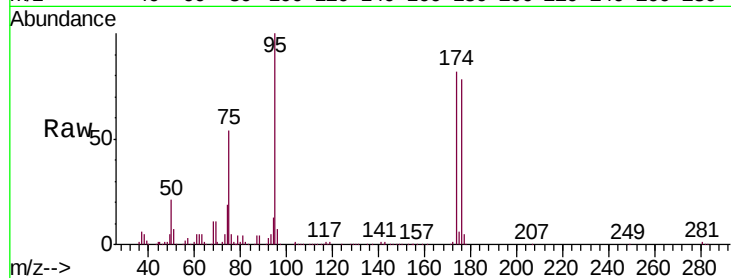
Acq: 25 Jun 2020 04:08

Instrument :

MSVOA\_W

ClientSampleId :

BRENNAN-FL-001



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 71839  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 83.8  | 125.8# |
| 89       | 0.0   | 36.6  | 55.0#  |

