

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070820\  
 Data File : VW015818.D  
 Acq On : 08 Jul 2020 19:00  
 Operator : SY/VA  
 Sample : L3187-01RE  
 Misc : 7.23G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-02-070720RE

Quant Time: Jul 09 05:33:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 08:28:05 2020  
 Response via : Initial Calibration

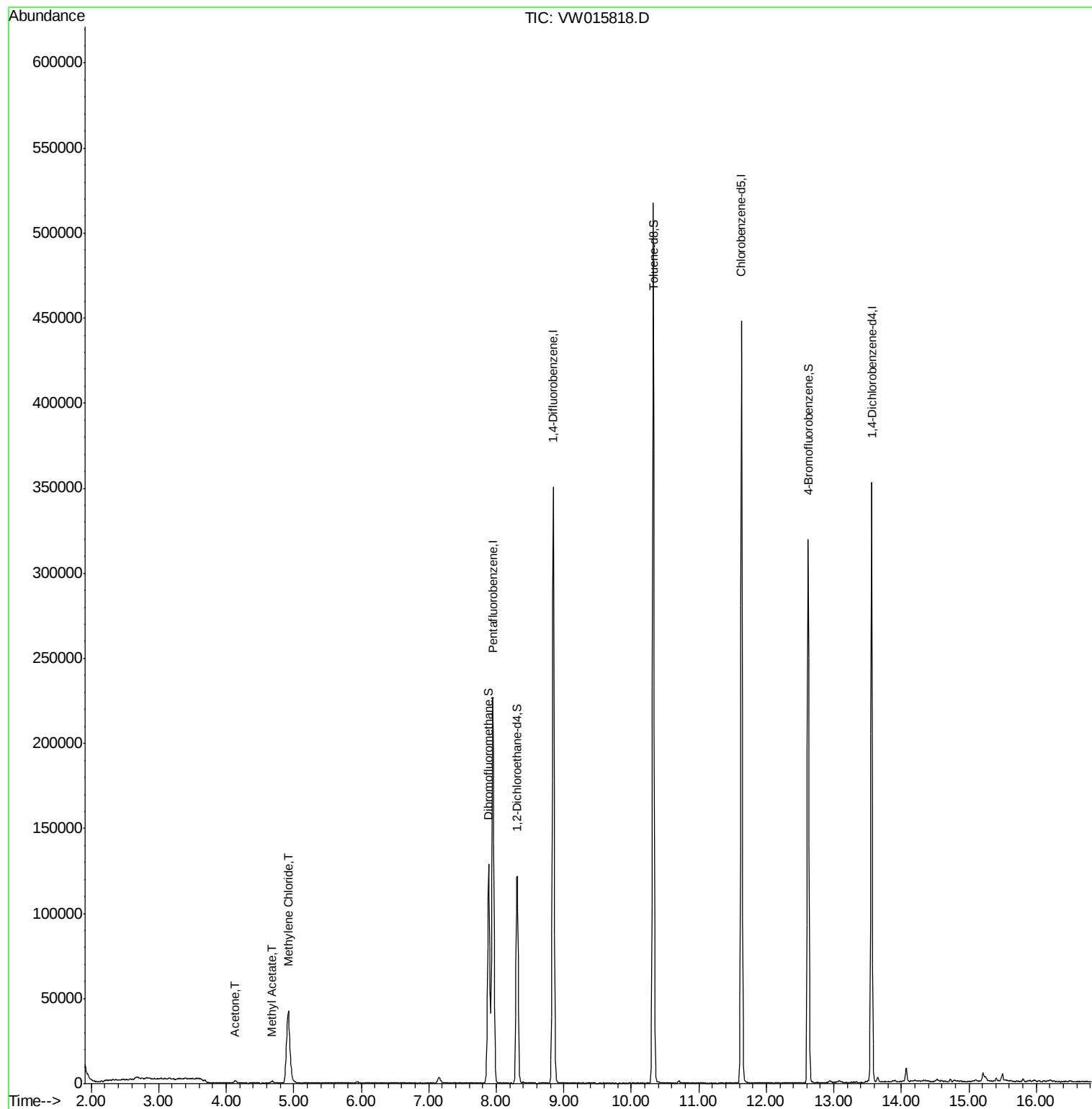
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 159412   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 284051   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 241005   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 89088    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 100545   | 61.25  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.50% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 90668    | 54.71  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.42% |          |
| 50) Toluene-d8              | 10.32 | 98   | 339951   | 53.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.80% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 102975   | 44.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 2347     | 7.641  | ug/l    | 99       |
| 18) Methyl Acetate          | 4.67  | 43   | 2384     | 3.411  | ug/l    | 93       |
| 20) Methylene Chloride      | 4.92  | 84   | 36623    | 20.524 | ug/l    | 97       |

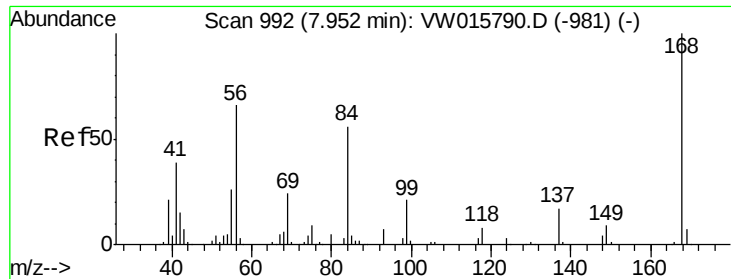
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070820\  
Data File : VW015818.D  
Acq On : 08 Jul 2020 19:00  
Operator : SY/VA  
Sample : L3187-01RE  
Misc : 7.23G/5ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-02-070720RE

Quant Time: Jul 09 05:33:46 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 08 08:28:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015818.D

Acq: 08 Jul 2020 19:00

Instrument :

MSVOA\_W

ClientSampleId :

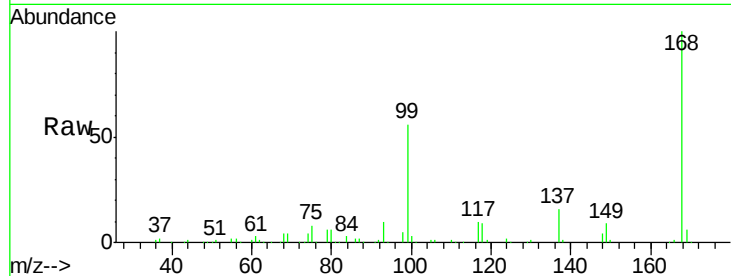
SU-02-070720RE

Tot Ion:168 Resp: 159412

Ion Ratio Lower Upper

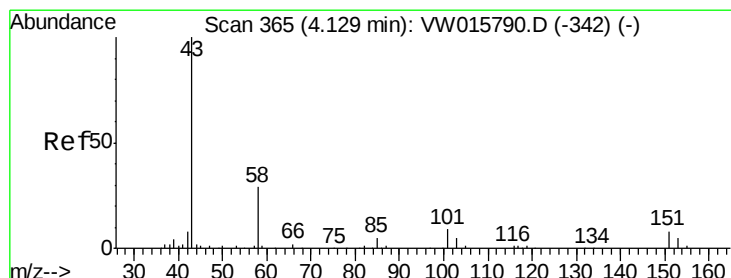
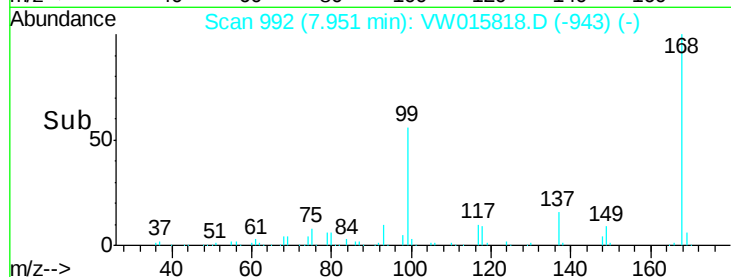
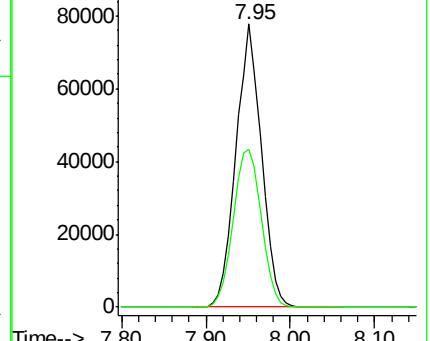
168 100

99 55.6 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 7.641 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015818.D

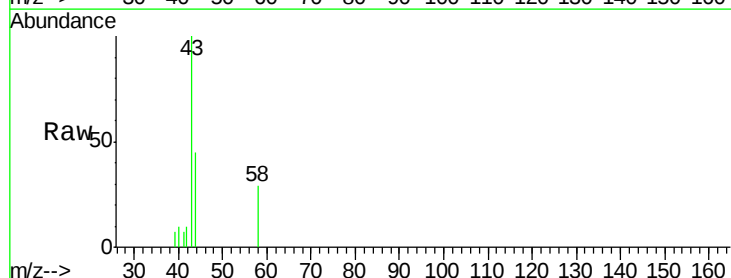
Acq: 08 Jul 2020 19:00

Tgt Ion: 43 Resp: 2347

Ion Ratio Lower Upper

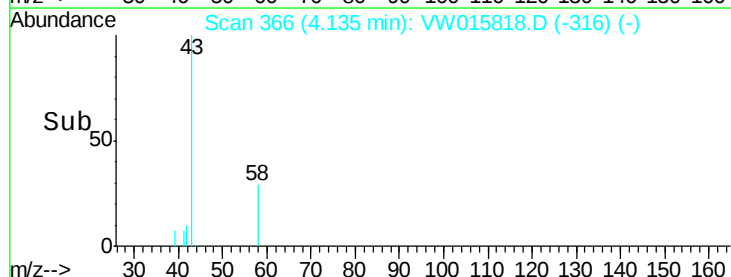
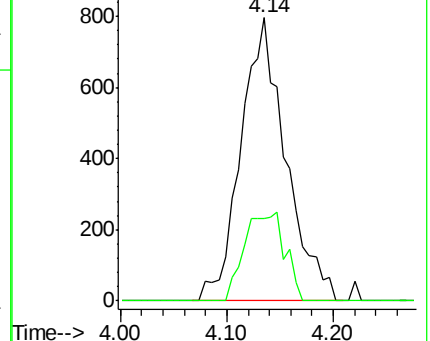
43 100

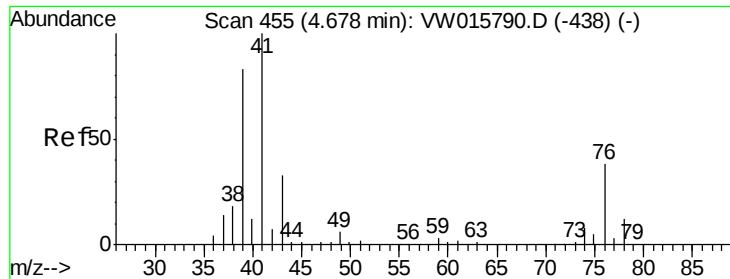
58 29.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

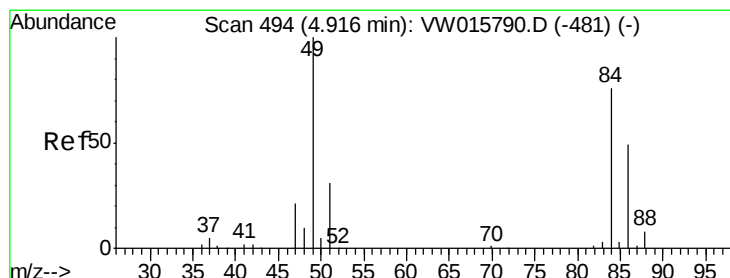
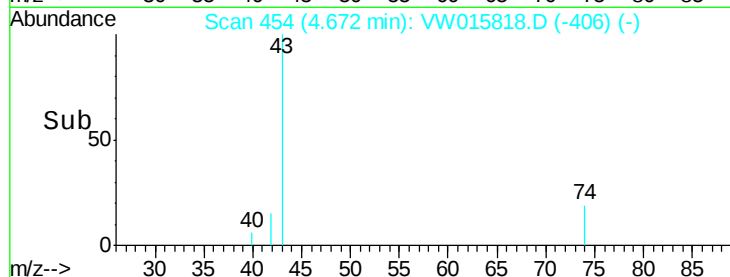
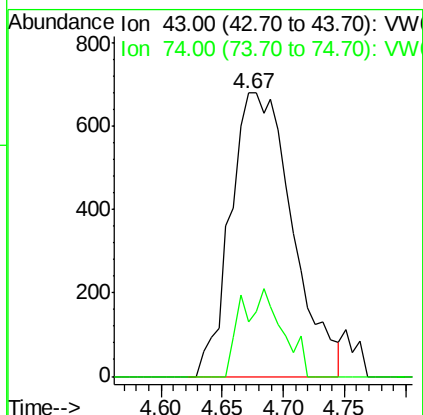
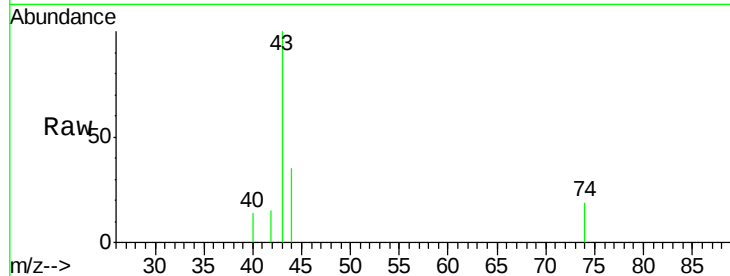




#18  
Methyl Acetate  
Concen: 3.411 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. -0.01 min  
Lab File: VW015818.D  
Acq: 08 Jul 2020 19:00

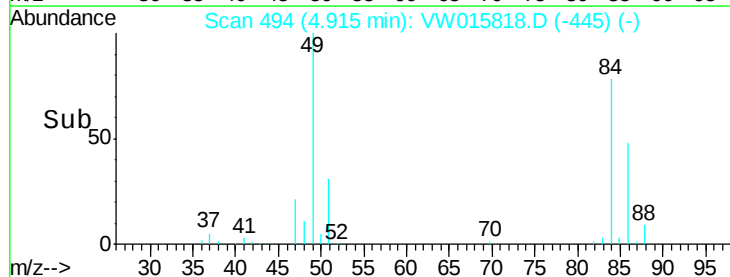
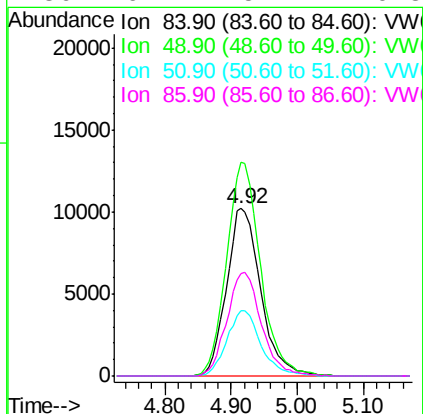
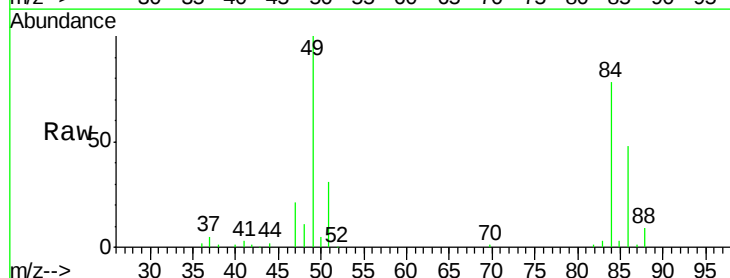
Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-02-070720RE

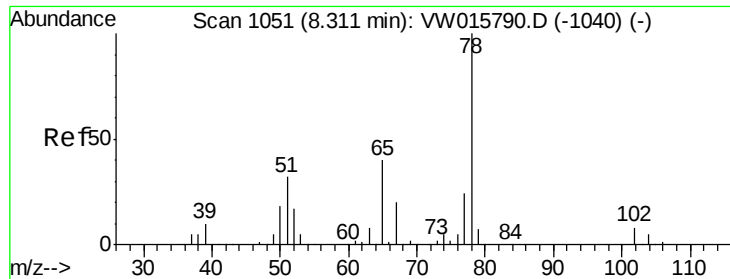
Tot Ion: 43 Resp: 2384  
Ion Ratio Lower Upper  
43 100  
74 20.3 19.2 28.8



#20  
Methylene Chloride  
Concen: 20.524 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW015818.D  
Acq: 08 Jul 2020 19:00

Tgt Ion: 84 Resp: 36623  
Ion Ratio Lower Upper  
84 100  
49 127.5 105.0 157.6  
51 39.3 32.3 48.5  
86 61.2 51.2 76.8

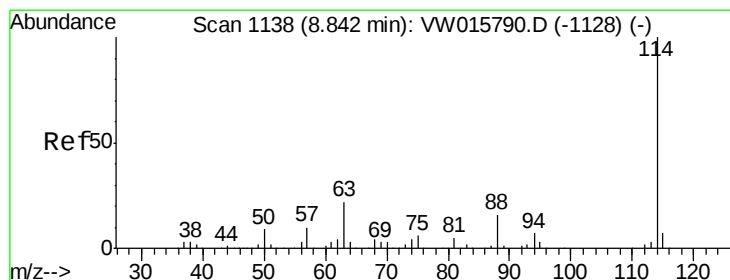
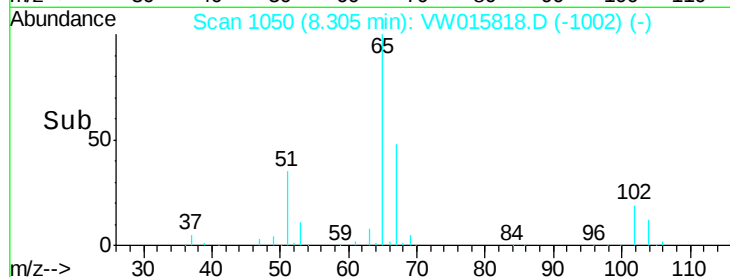
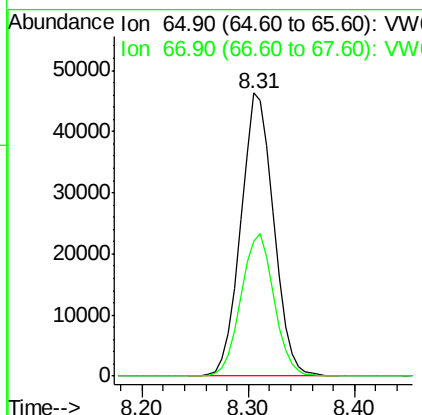
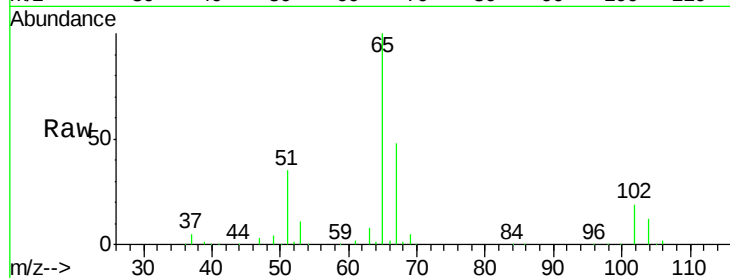




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.250 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW015818.D  
 Acq: 08 Jul 2020 19:00

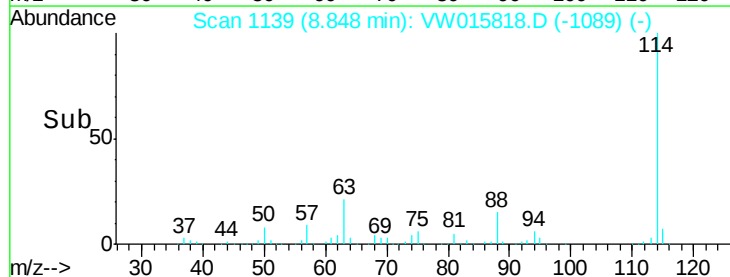
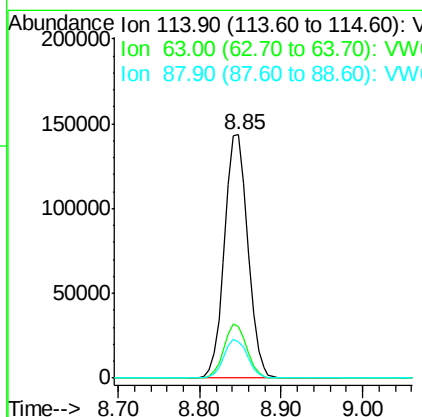
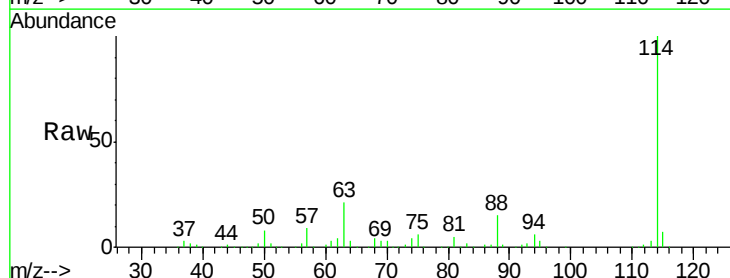
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-02-070720RE

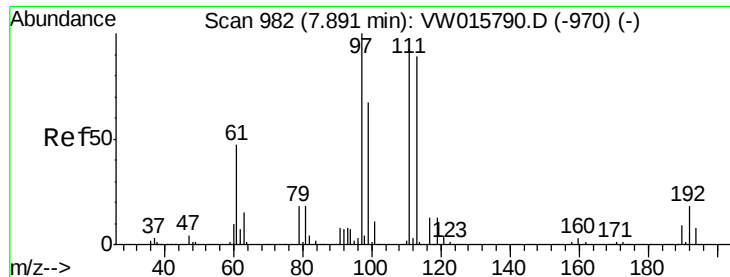
Tot Ion: 65 Resp: 100545  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 101.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW015818.D  
 Acq: 08 Jul 2020 19:00

Tgt Ion: 114 Resp: 284051  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 44.4  
 88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.712 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW015818.D

Acq: 08 Jul 2020 19:00

Instrument :

MSVOA\_W

ClientSampleId :

SU-02-070720RE

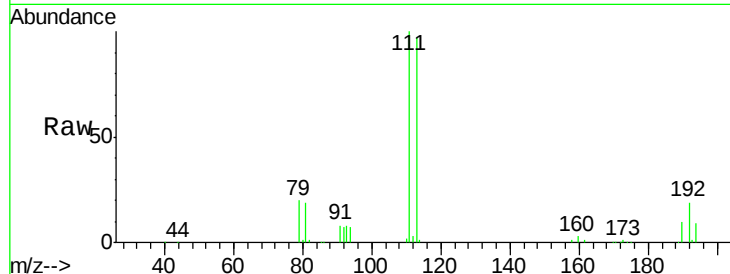
Tot Ion:113 Resp: 90668

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

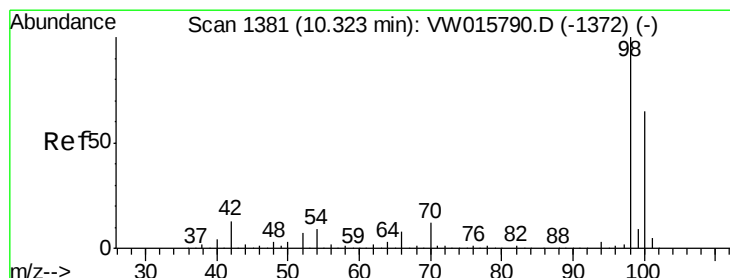
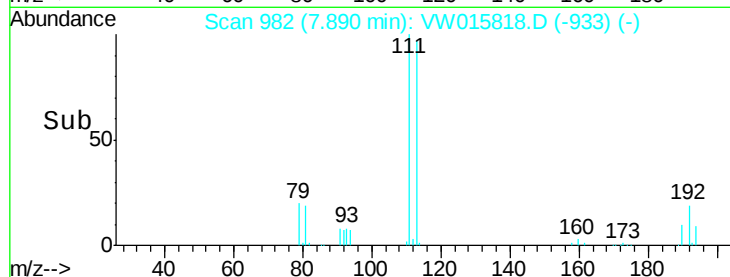
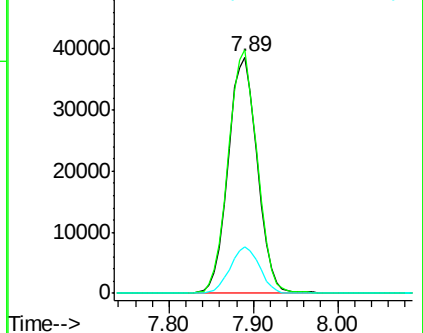
192 19.7 15.4 23.2



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: 53.405 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015818.D

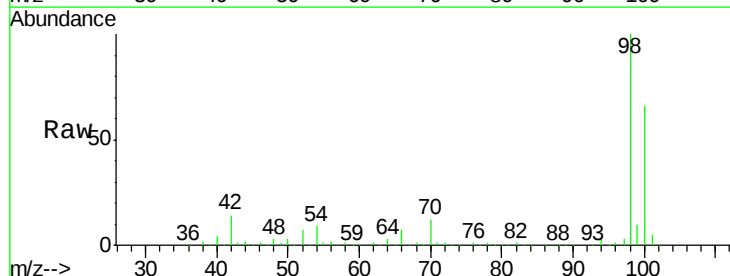
Acq: 08 Jul 2020 19:00

Tgt Ion: 98 Resp: 339951

Ion Ratio Lower Upper

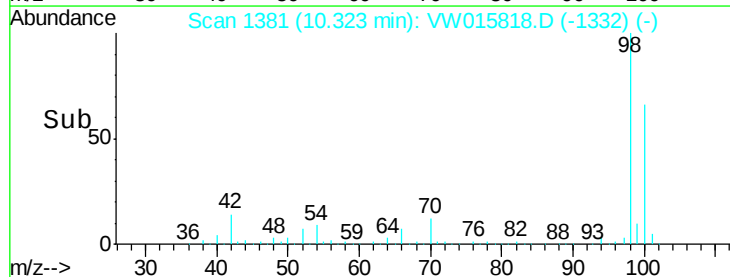
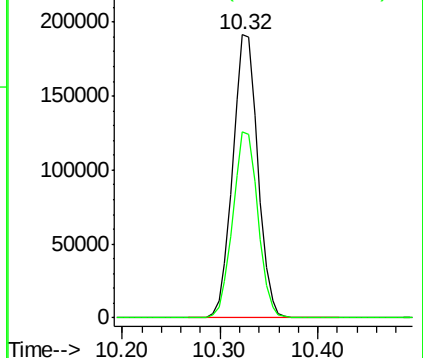
98 100

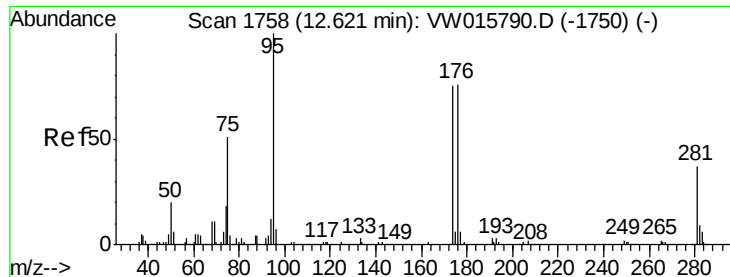
100 66.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.085 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW015818.D

Acq: 08 Jul 2020 19:00

Instrument :

MSVOA\_W

ClientSampleId :

SU-02-070720RE

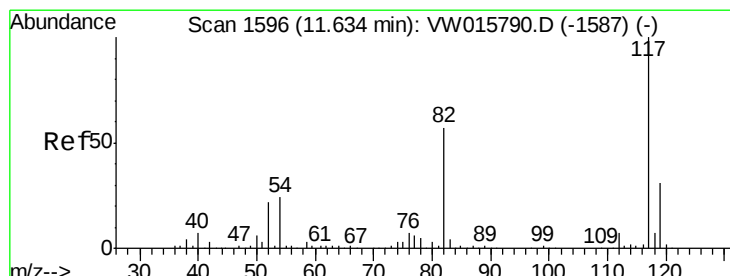
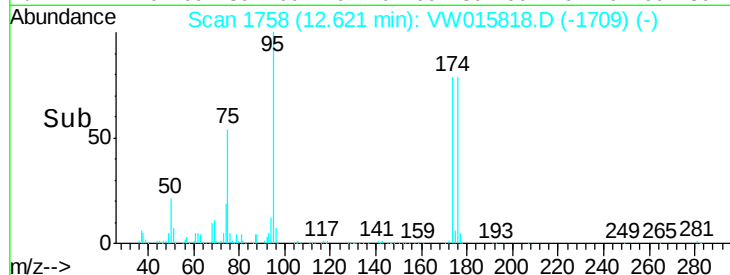
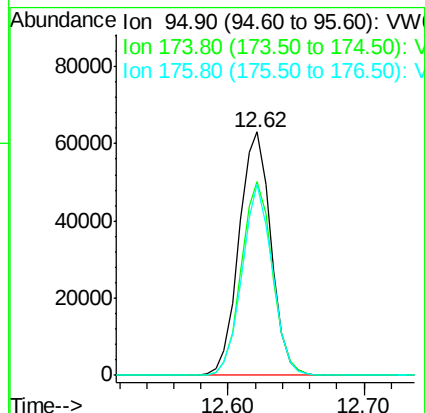
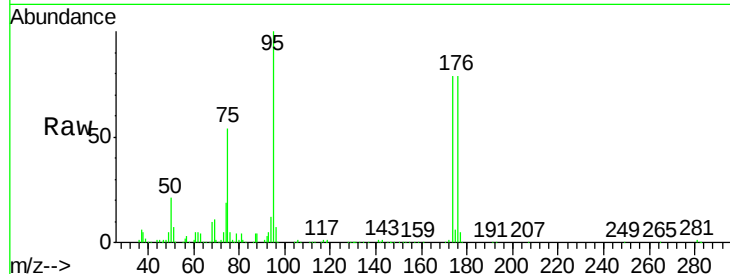
Tot Ion: 95 Resp: 102975

Ion Ratio Lower Upper

95 100

174 78.1 0.0 150.2

176 74.7 0.0 148.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW015818.D

Acq: 08 Jul 2020 19:00

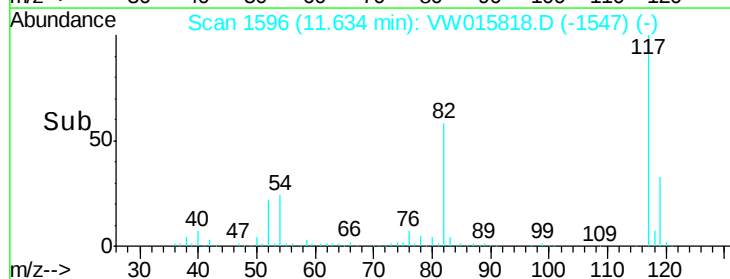
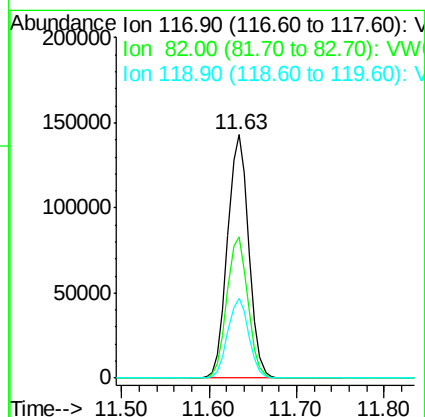
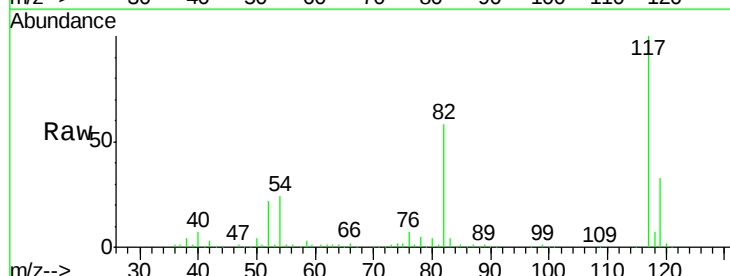
Tgt Ion: 117 Resp: 241005

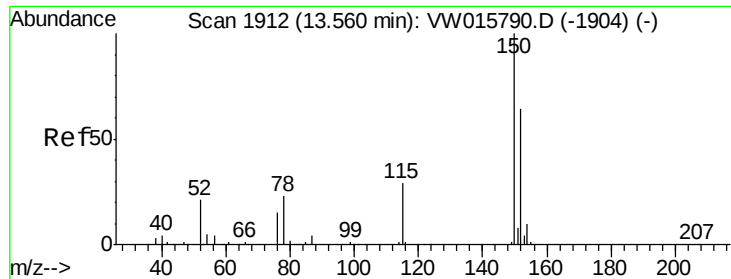
Ion Ratio Lower Upper

117 100

82 57.8 45.5 68.3

119 32.7 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015818.D

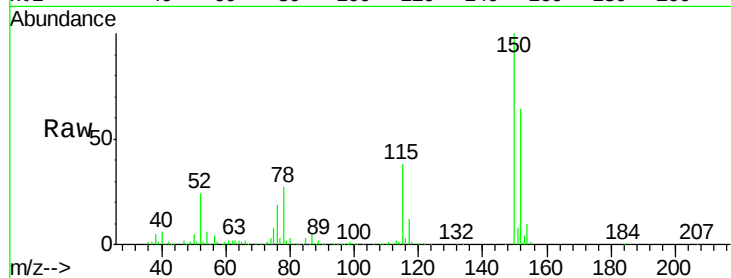
Acq: 08 Jul 2020 19:00

Instrument :

MSVOA\_W

ClientSampleId :

SU-02-070720RE



Tot Ion:152 Resp: 89088

Ion Ratio Lower Upper

152 100

115 60.0 29.9 89.7

150 158.2 0.0 350.8

