

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\  
 Data File : VW012026.D  
 Acq On : 20 Aug 2019 12:52  
 Operator : SY/VA  
 Sample : K4386-10  
 Misc : 5.65G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T8-F-(2)

Quant Time: Aug 20 17:46:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

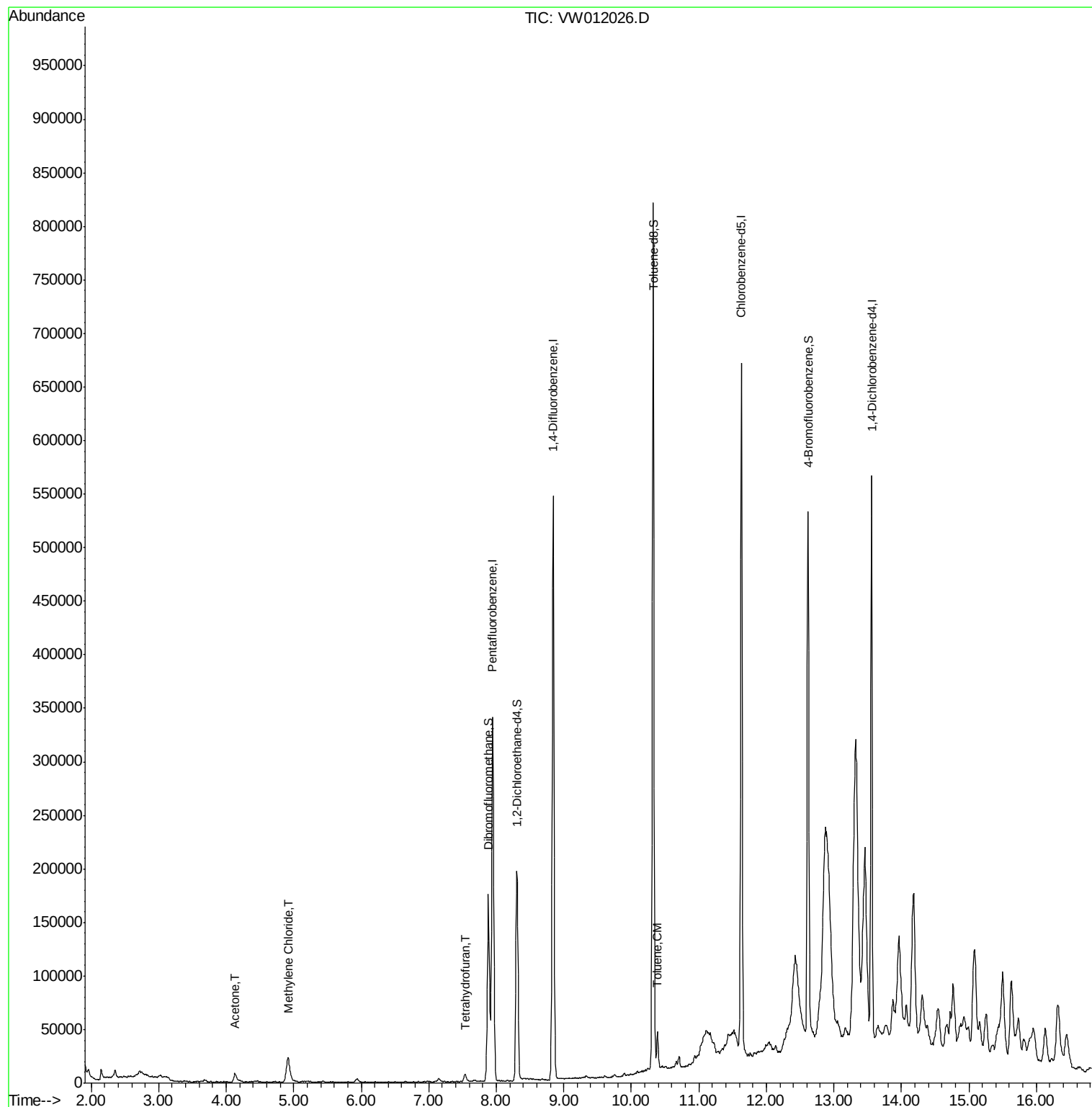
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 250041   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 420209   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 342992   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 131114   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 154051   | 53.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.30% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 125272   | 53.14  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.28% |          |
| 50) Toluene-d8              | 10.32 | 98   | 512172   | 53.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.12% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 163754   | 47.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 15346    | 16.803 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.92  | 84   | 18119    | 5.752  | ug/l    | 98       |
| 29) Tetrahydrofuran         | 7.54  | 42   | 6644     | 9.726  | ug/l    | 98       |
| 52) Toluene                 | 10.39 | 92   | 13684    | 1.851  | ug/l    | 97       |

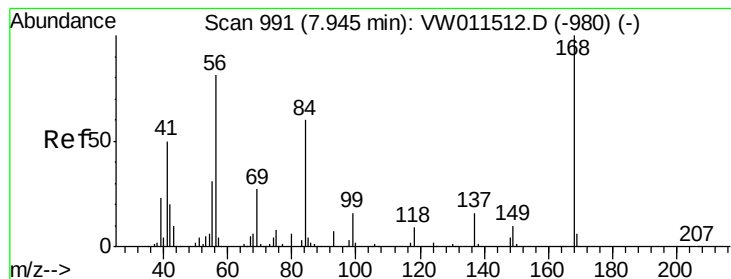
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :  
T8-F-(2)

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Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012026.D

Acq: 20 Aug 2019 12:52

Instrument :

MSVOA\_W

ClientSampled :

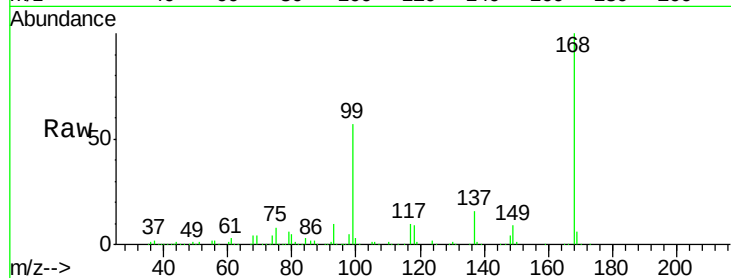
T8-F-(2)

Tot Ion:168 Resp: 250041

Ion Ratio Lower Upper

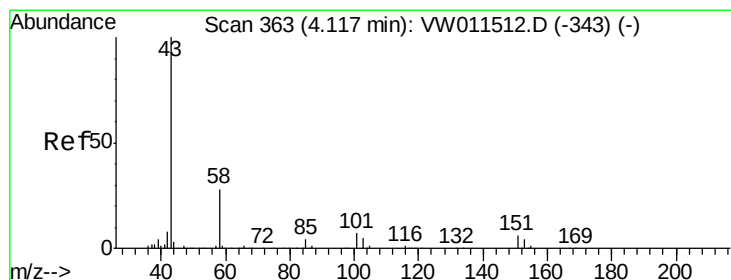
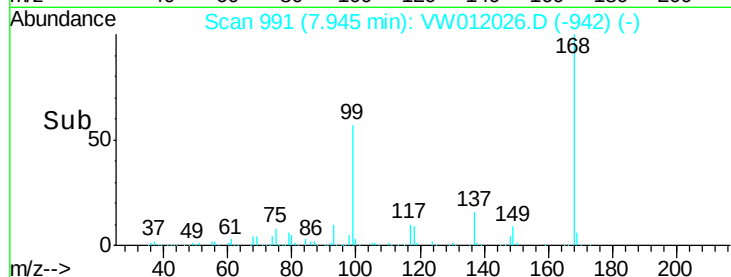
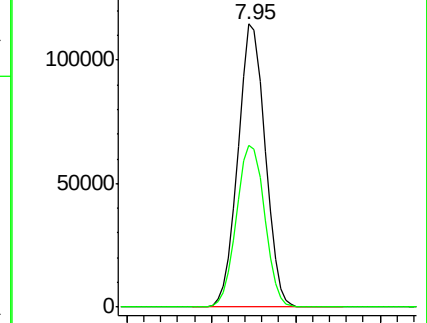
168 100

99 57.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 16.803 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012026.D

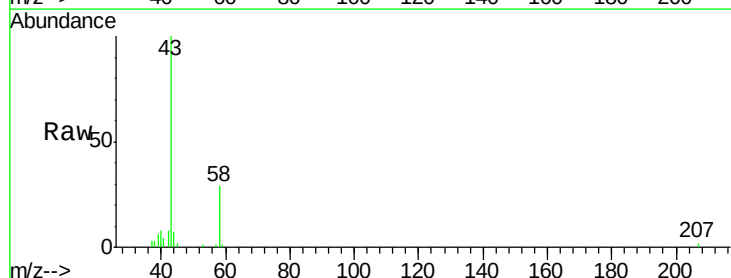
Acq: 20 Aug 2019 12:52

Tgt Ion: 43 Resp: 15346

Ion Ratio Lower Upper

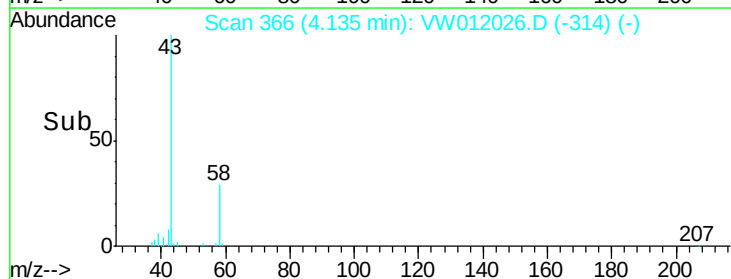
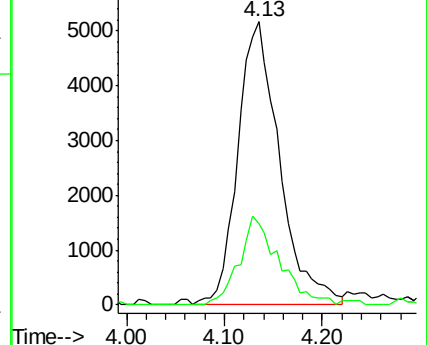
43 100

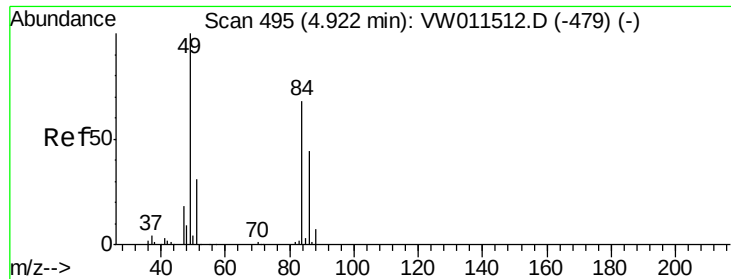
58 28.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

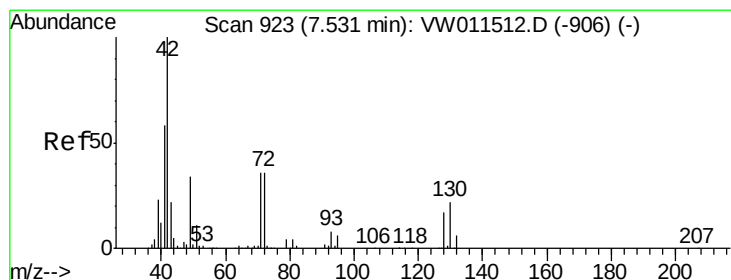
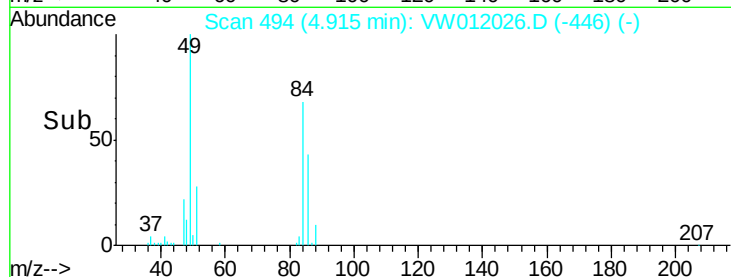
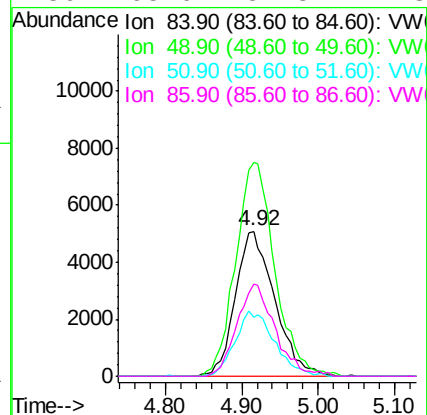
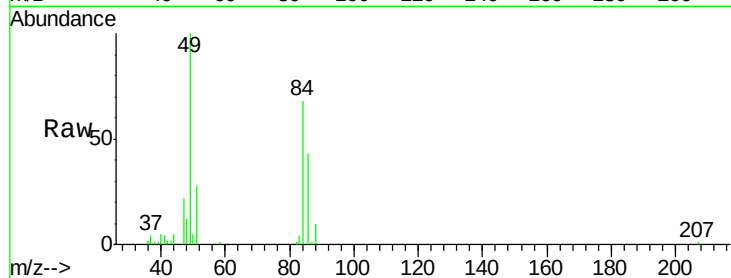




#20  
Methylene Chloride  
Concen: 5.752 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VW012026.D  
Acq: 20 Aug 2019 12:52

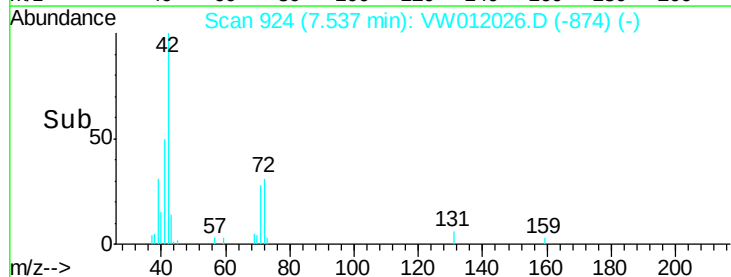
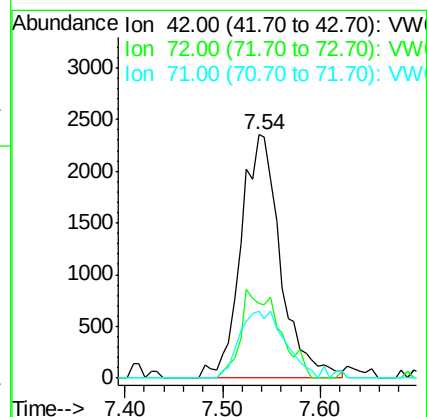
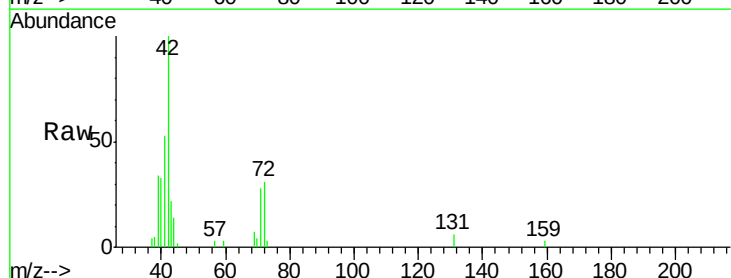
Instrument :  
MSVOA\_W  
ClientSampleId :  
T8-F-(2)

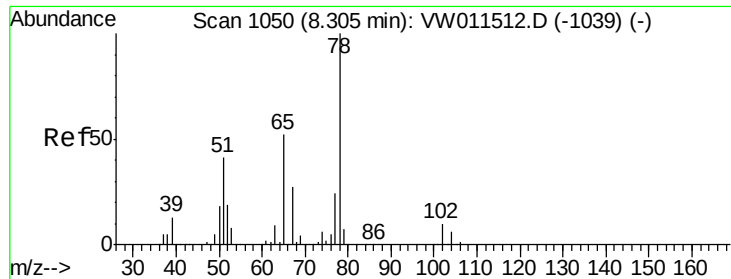
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 18119 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 147.2 | 117.8 | 176.6 |
| 51       | 40.5  | 37.0  | 55.4  |
| 86       | 63.6  | 51.8  | 77.8  |



#29  
Tetrahydrofuran  
Concen: 9.726 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VW012026.D  
Acq: 20 Aug 2019 12:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 6644  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 35.1  | 27.1  | 40.7  |
| 71       | 31.5  | 26.2  | 39.4  |

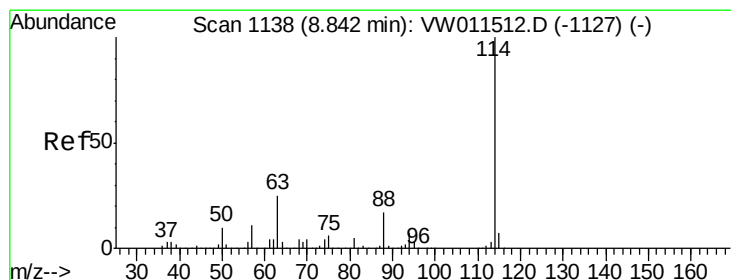
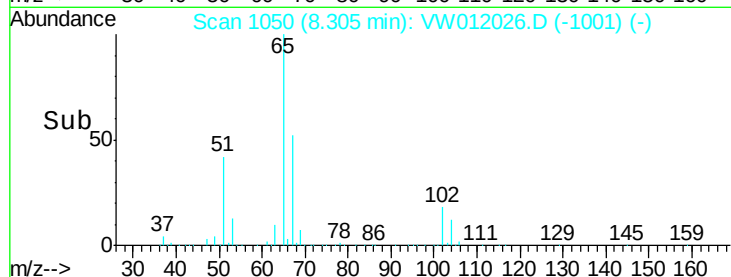
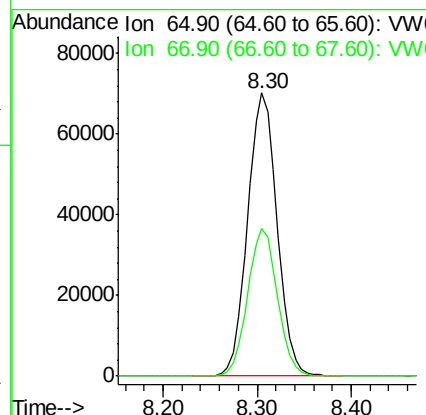
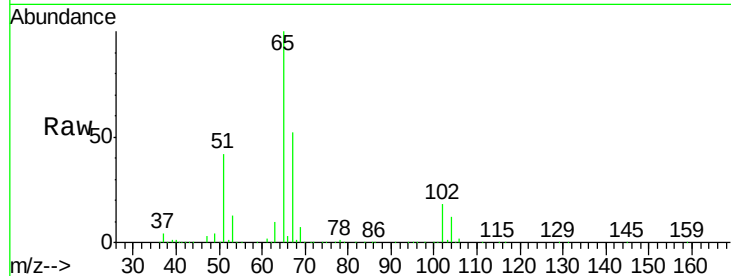




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.654 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012026.D  
 Acq: 20 Aug 2019 12:52

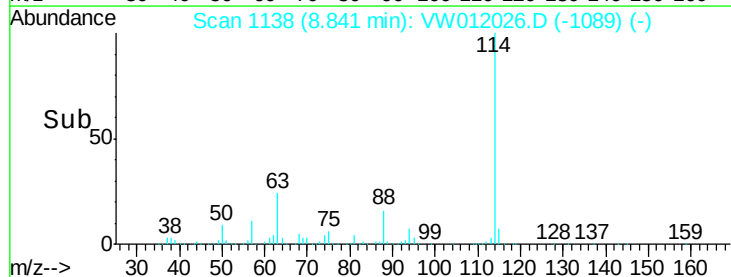
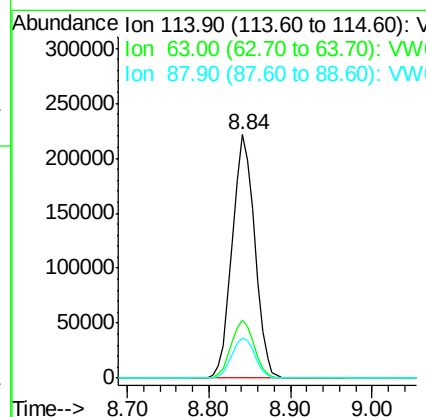
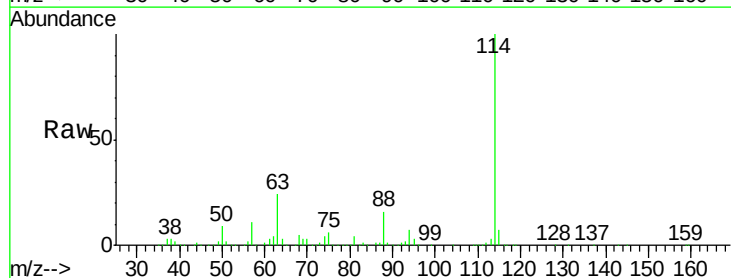
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T8-F-(2)

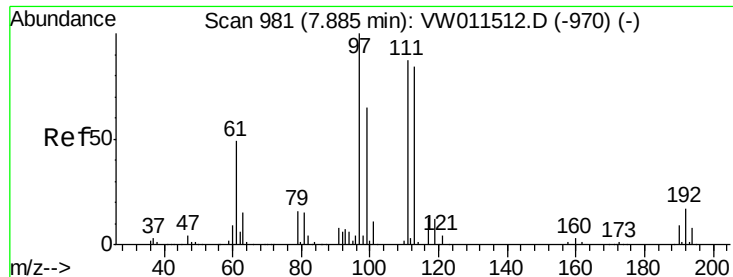
Tot Ion: 65 Resp: 154051  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012026.D  
 Acq: 20 Aug 2019 12:52

Tgt Ion: 114 Resp: 420209  
 Ion Ratio Lower Upper  
 114 100  
 63 23.8 0.0 49.2  
 88 16.5 0.0 33.8

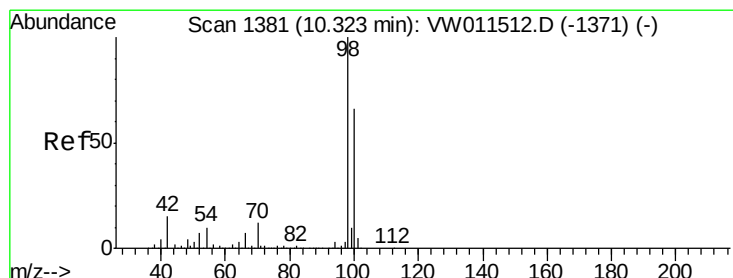
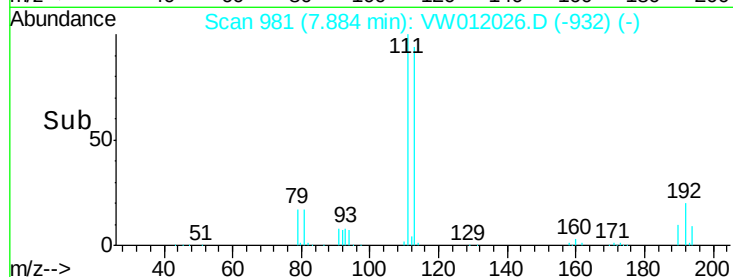
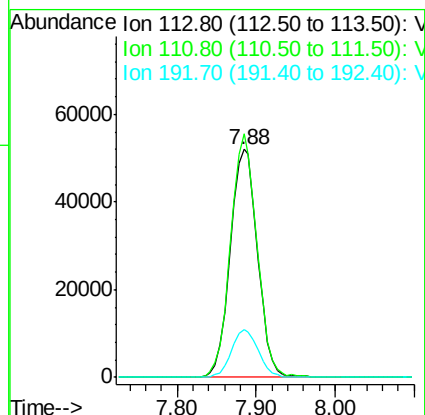
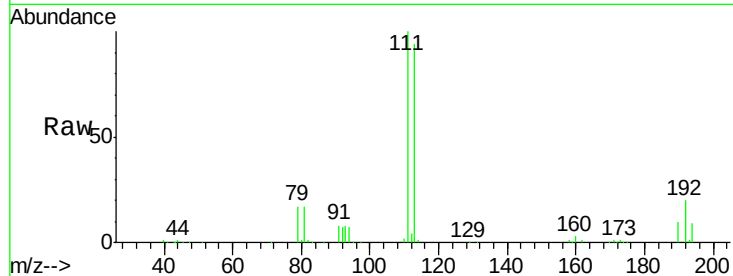




#35  
 Dibromofluoromethane  
 Concen: 53.139 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW012026.D  
 Acq: 20 Aug 2019 12:52

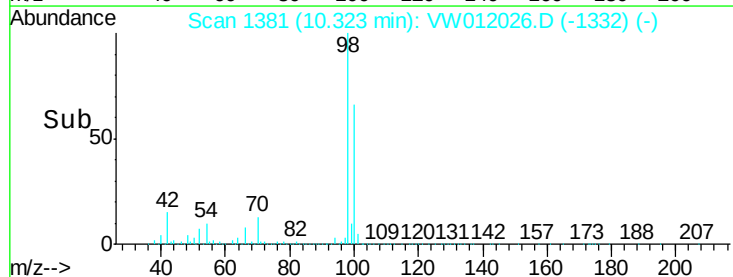
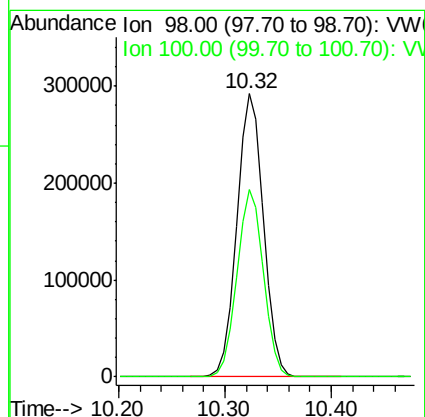
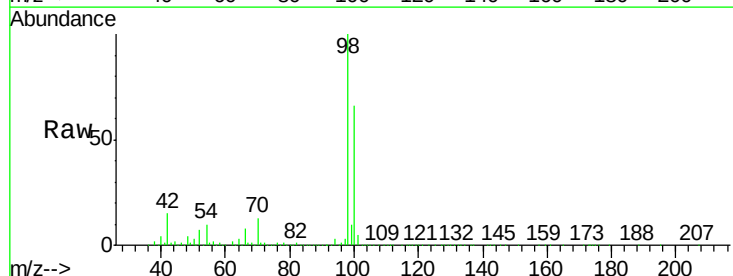
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 T8-F-(2)

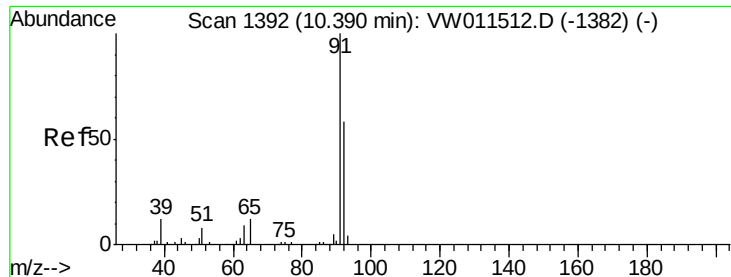
Tot Ion:113 Resp: 125272  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 82.7 124.1  
 192 20.6 16.1 24.1



#50  
 Toluene-d8  
 Concen: 53.063 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW012026.D  
 Acq: 20 Aug 2019 12:52

Tgt Ion: 98 Resp: 512172  
 Ion Ratio Lower Upper  
 98 100  
 100 65.7 52.7 79.1





#52

Toluene

Concen: 1.851 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012026.D

Acq: 20 Aug 2019 12:52

Instrument :

MSVOA\_W

ClientSampleId :

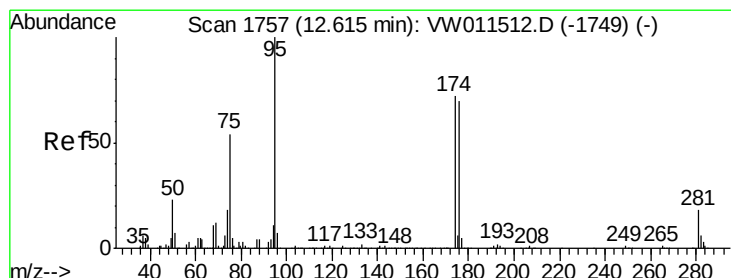
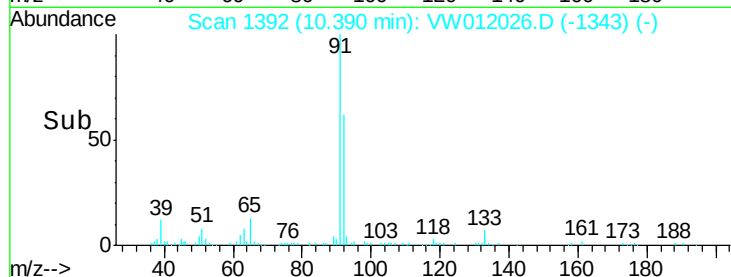
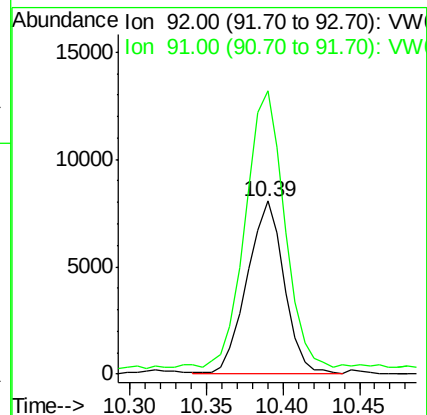
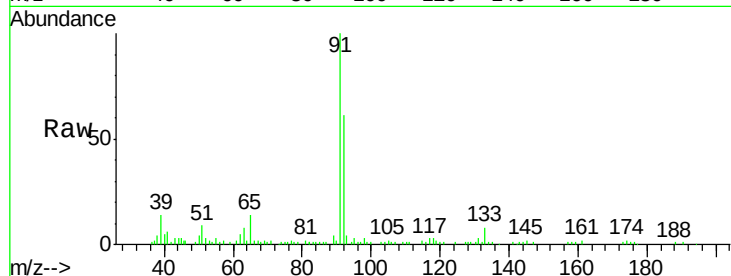
T8-F-(2)

Tot Ion: 92 Resp: 13684

Ion Ratio Lower Upper

92 100

91 166.4 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 47.587 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012026.D

Acq: 20 Aug 2019 12:52

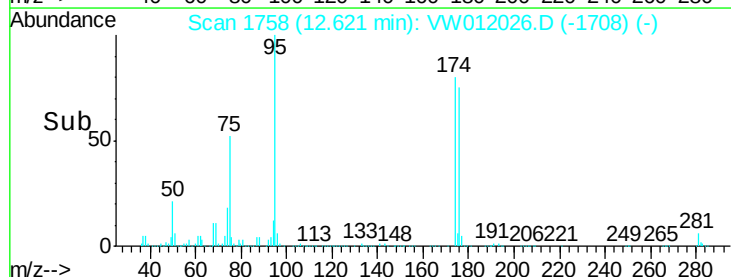
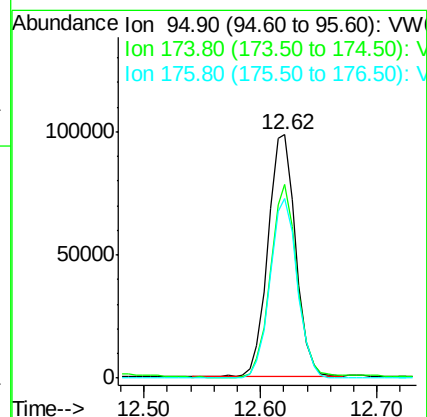
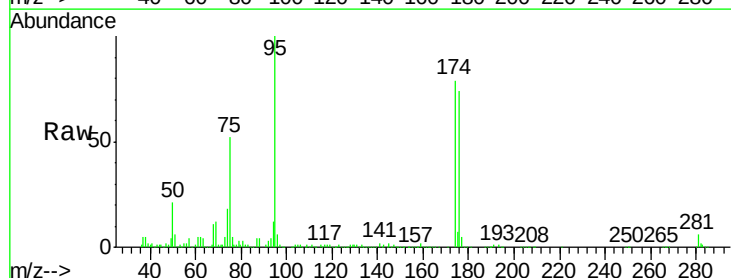
Tgt Ion: 95 Resp: 163754

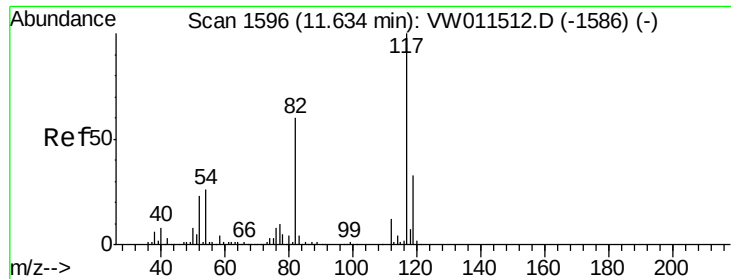
Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

176 72.7 0.0 144.4

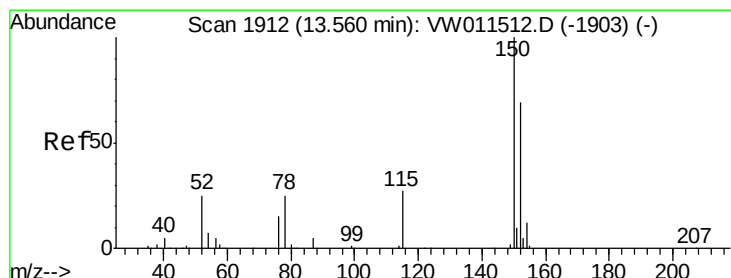
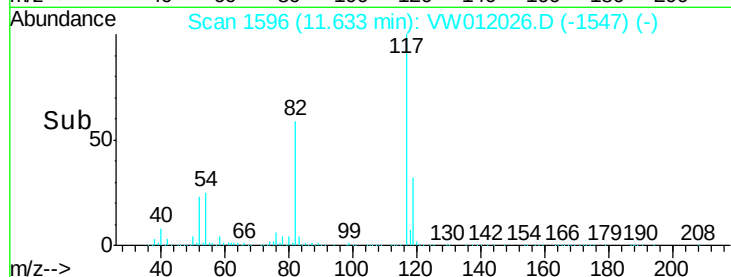
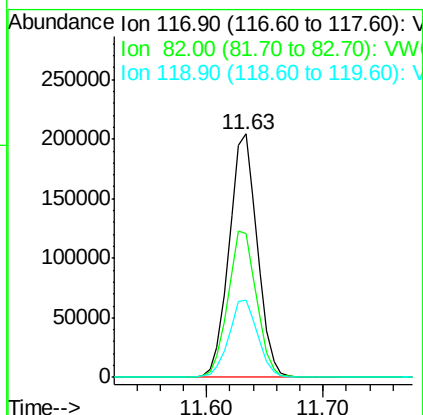
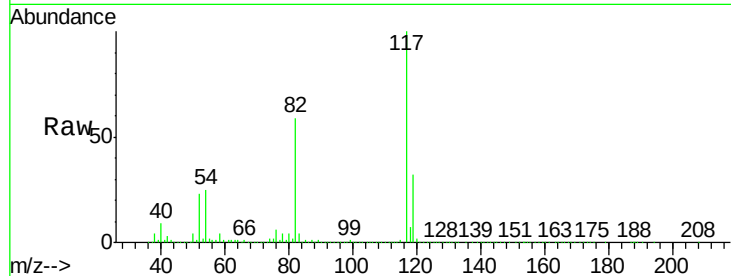




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW012026.D  
Acq: 20 Aug 2019 12:52

Instrument :  
MSVOA\_W  
ClientSampled :  
T8-F-(2)

Tot Ion:117 Resp: 342992  
Ion Ratio Lower Upper  
117 100  
82 58.8 47.9 71.9  
119 31.6 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW012026.D  
Acq: 20 Aug 2019 12:52

Tgt Ion:152 Resp: 131114  
Ion Ratio Lower Upper  
152 100  
115 59.1 30.5 91.5  
150 156.4 0.0 352.6

