

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\  
 Data File : VW012765.D  
 Acq On : 08 Sep 2019 13:27  
 Operator : SY/VA  
 Sample : K4603-01  
 Misc : 5.25G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-D4-(3.11)

Quant Time: Sep 09 07:22:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sun Sep 08 05:04:40 2019  
 Response via : Initial Calibration

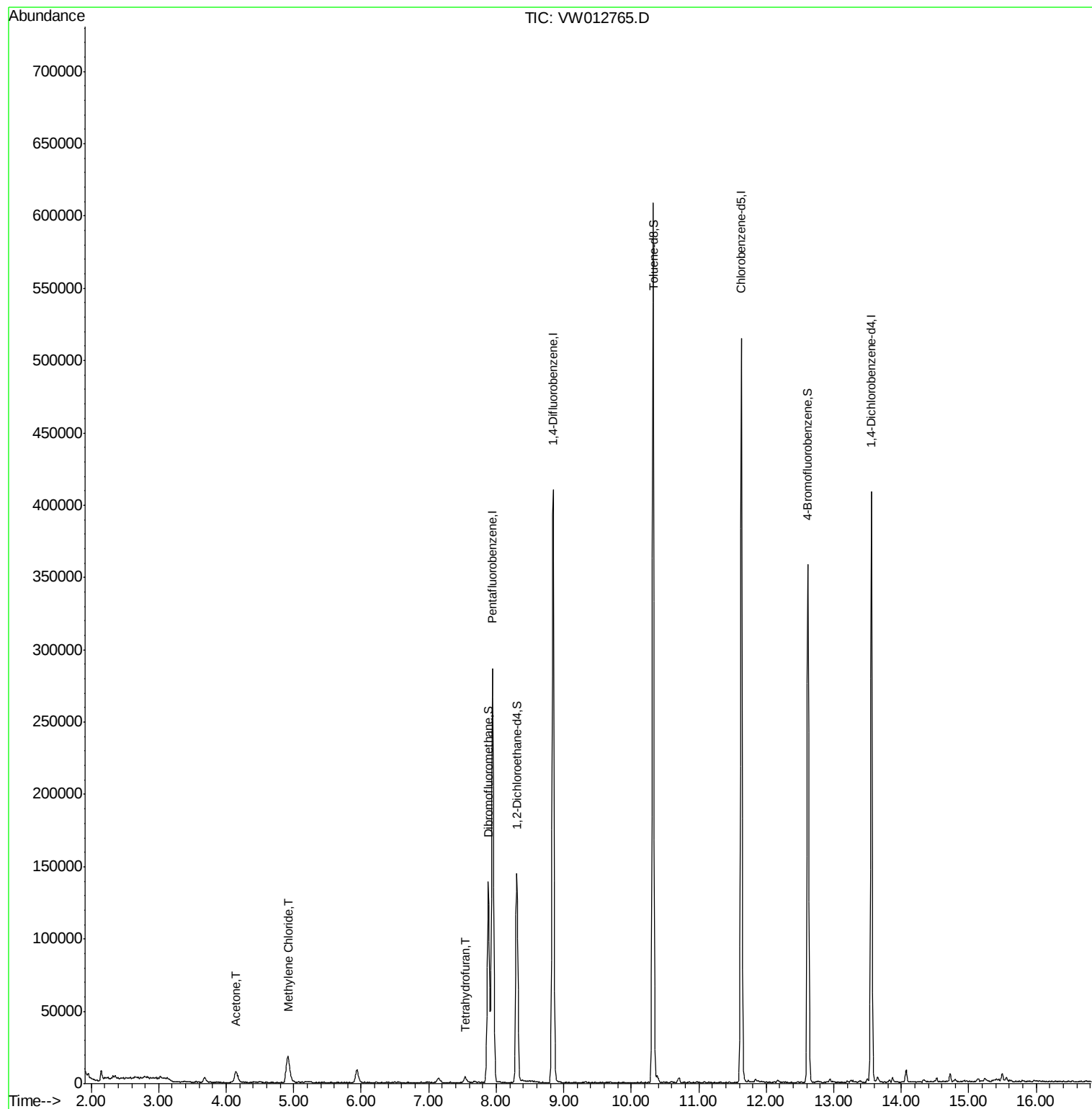
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 208686   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 328646   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 271445   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 103439   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 122352   | 52.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.94% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 96068    | 49.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.34%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 382417   | 49.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.92%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 118235   | 42.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.10%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.15  | 43   | 16944    | 26.655 | ug/l    | 92       |
| 20) Methylene Chloride      | 4.92  | 84   | 14454    | 7.268  | ug/l    | 99       |
| 29) Tetrahydrofuran         | 7.54  | 42   | 3196     | 6.226  | ug/l    | 96       |

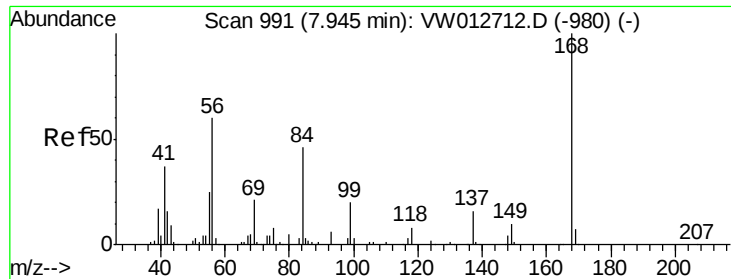
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
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PAR-D4-(3.11)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 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: VW012765.D

Acq: 08 Sep 2019 13:27

Instrument :

MSVOA\_W

ClientSampleId :

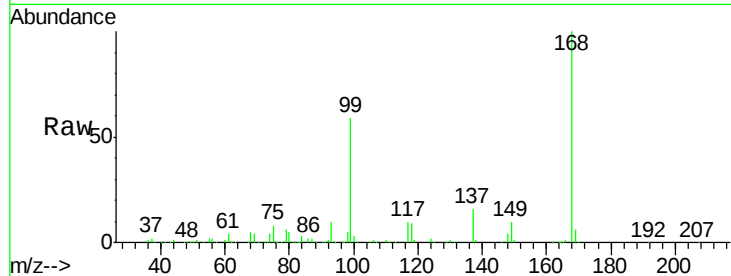
PAR-D4-(3.11)

Tot Ion:168 Resp: 208686

Ion Ratio Lower Upper

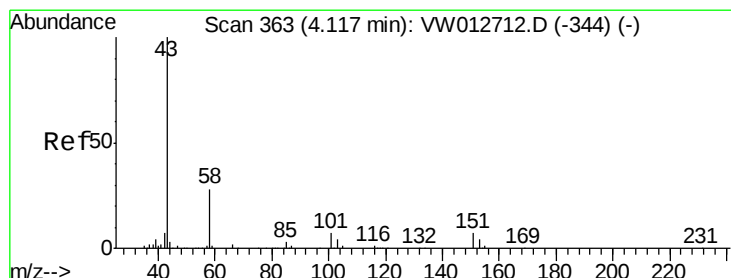
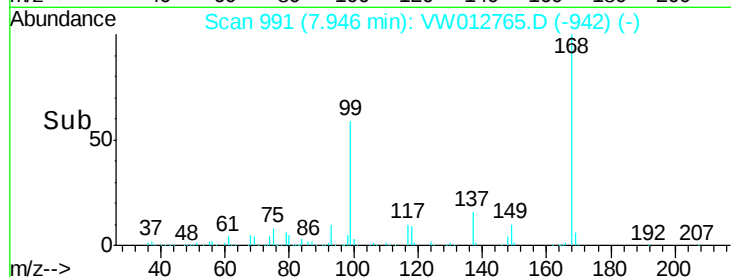
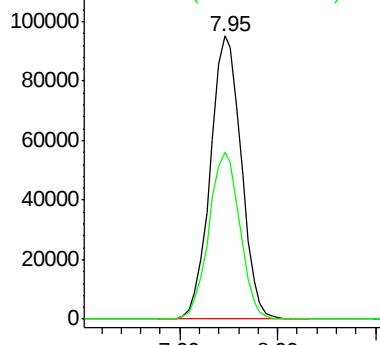
168 100

99 59.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 26.655 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012765.D

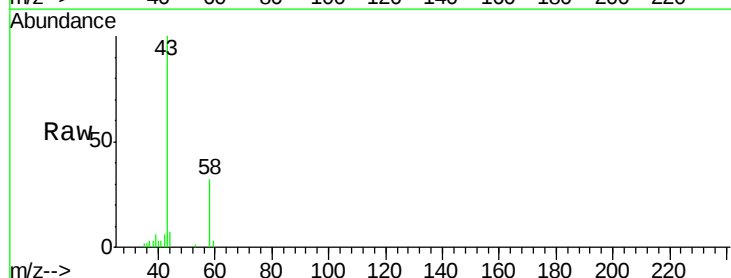
Acq: 08 Sep 2019 13:27

Tgt Ion: 43 Resp: 16944

Ion Ratio Lower Upper

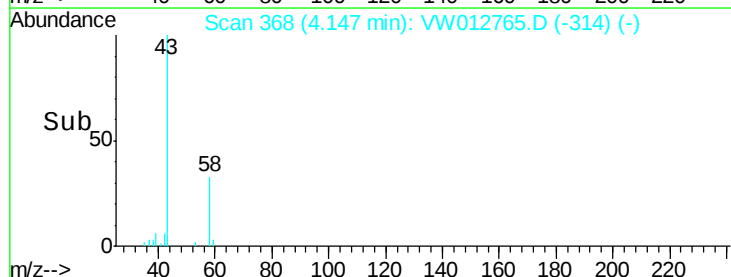
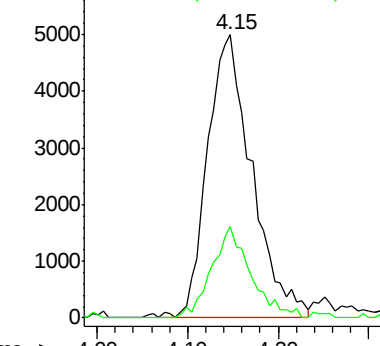
43 100

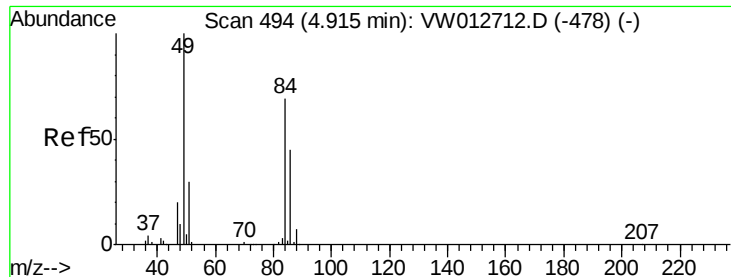
58 32.3 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

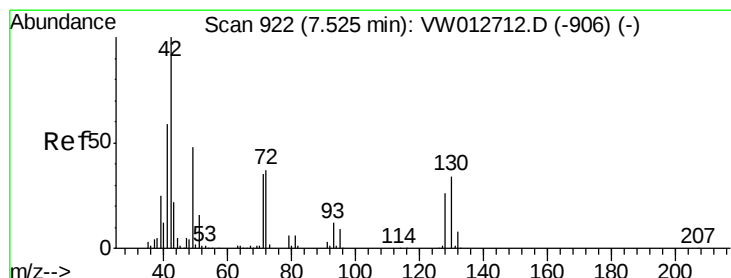
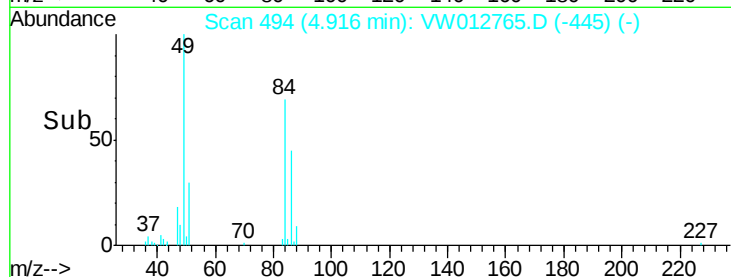
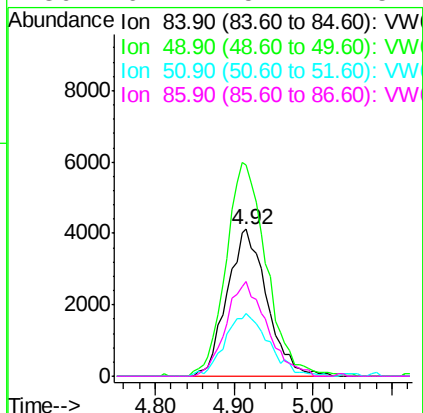
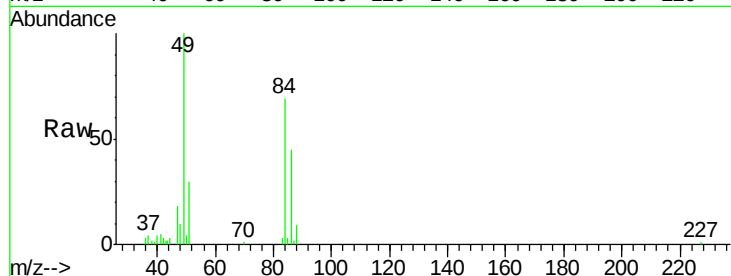




#20  
Methylene Chloride  
Concen: 7.268 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW012765.D  
Acq: 08 Sep 2019 13:27

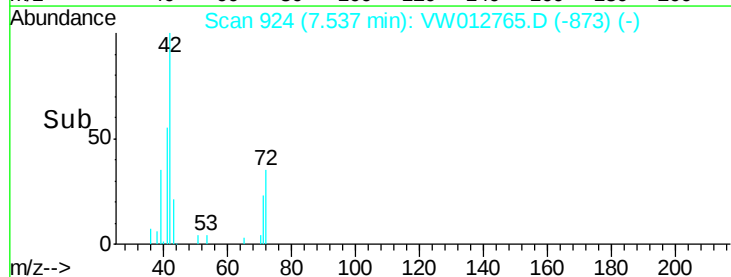
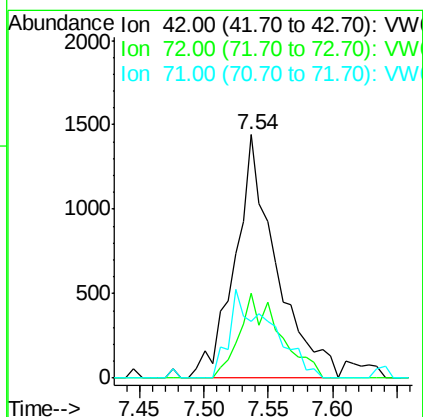
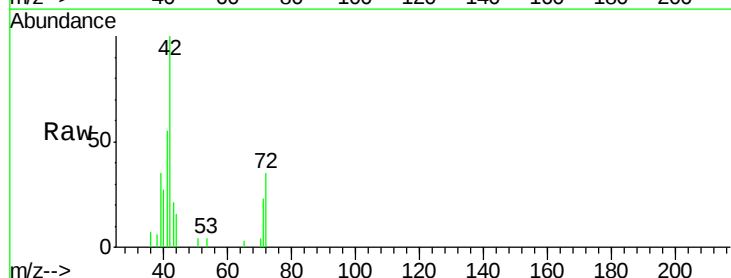
Instrument :  
MSVOA\_W  
ClientSampled :  
PAR-D4-(3.11)

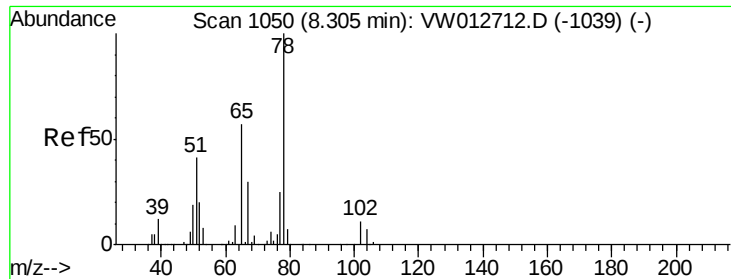
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 14454 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 144.0 | 115.4 | 173.0 |
| 51       | 42.8  | 34.9  | 52.3  |
| 86       | 64.7  | 52.2  | 78.4  |



#29  
Tetrahydrofuran  
Concen: 6.226 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VW012765.D  
Acq: 08 Sep 2019 13:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 3196  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 34.2  | 28.4  | 42.6  |
| 71       | 37.1  | 27.1  | 40.7  |

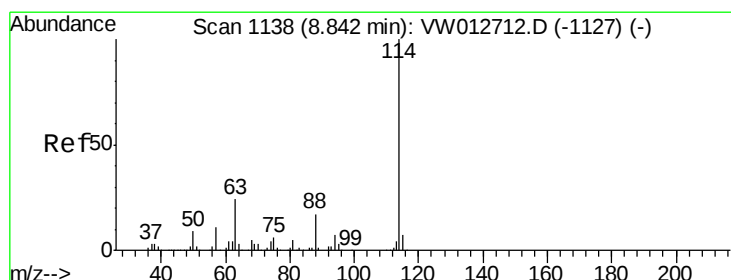
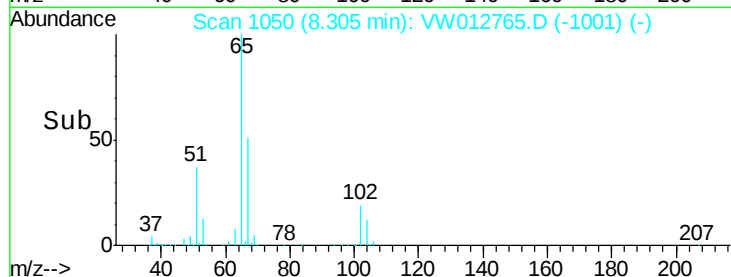
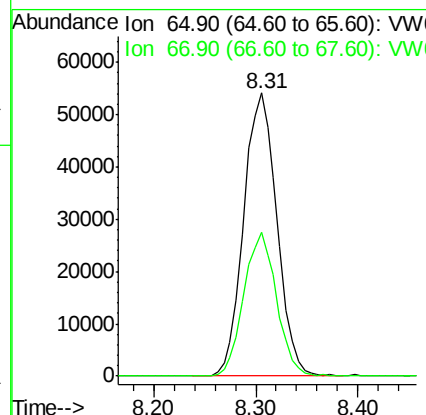
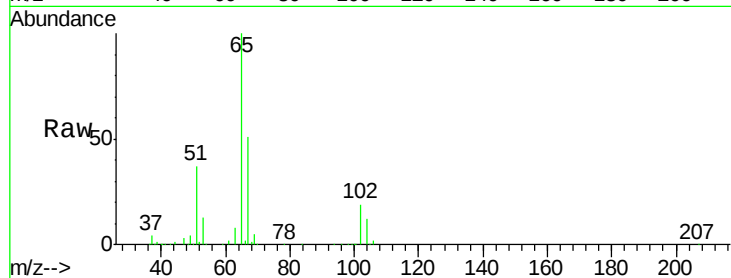




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.473 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW012765.D  
 Acq: 08 Sep 2019 13:27

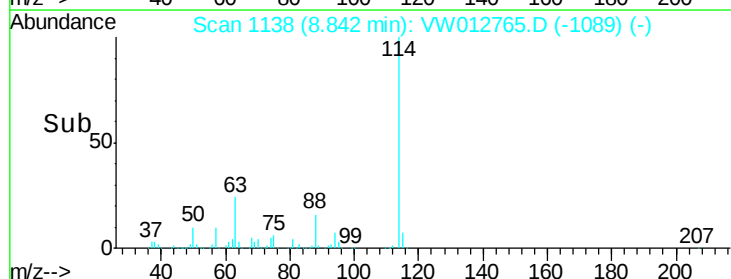
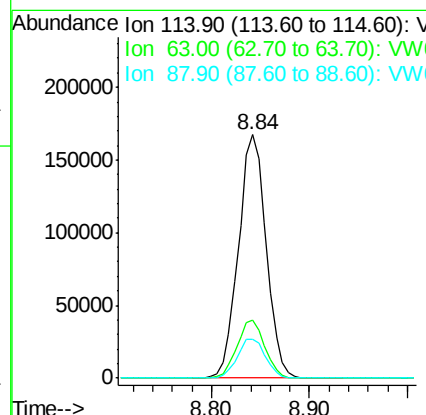
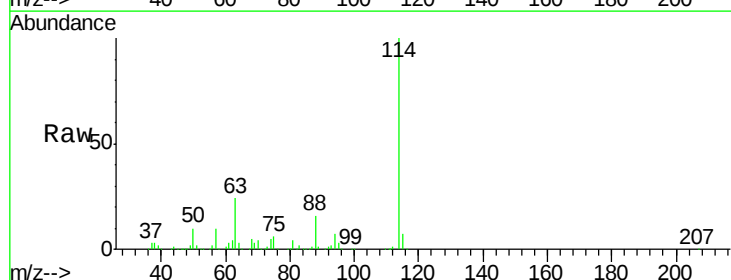
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-D4-(3.11)

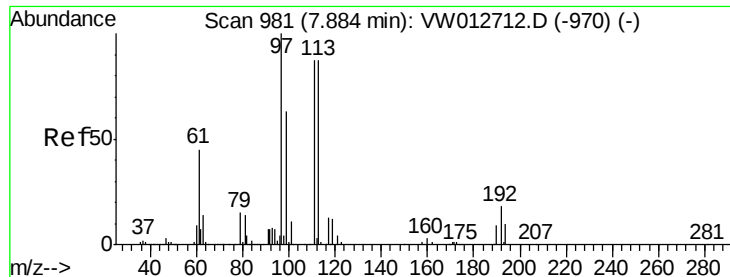
Tot Ion: 65 Resp: 122352  
 Ion Ratio Lower Upper  
 65 100  
 67 50.0 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW012765.D  
 Acq: 08 Sep 2019 13:27

Tgt Ion: 114 Resp: 328646  
 Ion Ratio Lower Upper  
 114 100  
 63 23.6 0.0 47.2  
 88 16.0 0.0 34.0

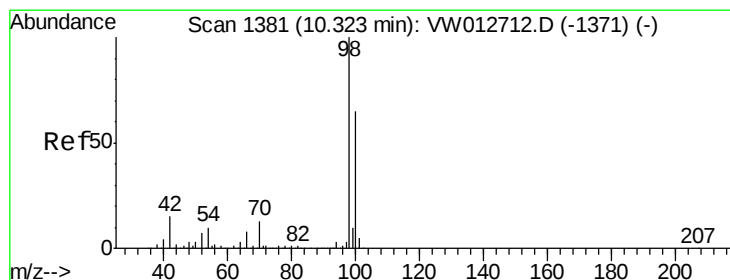
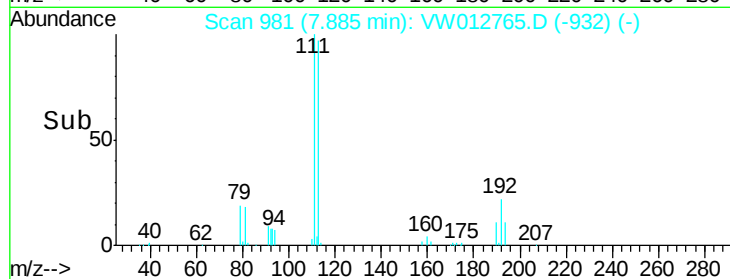
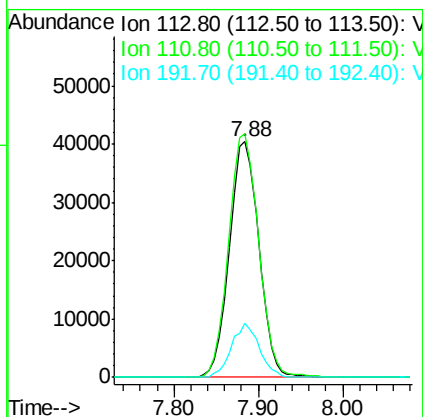
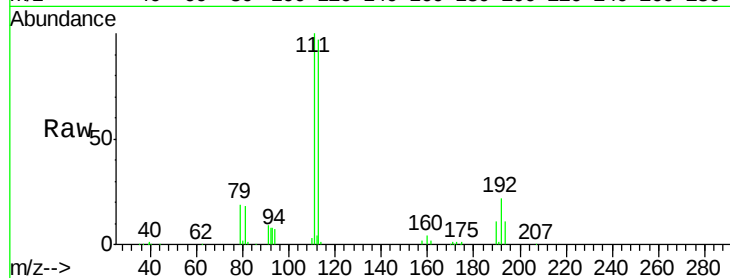




#35  
 Dibromofluoromethane  
 Concen: 49.167 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW012765.D  
 Acq: 08 Sep 2019 13:27

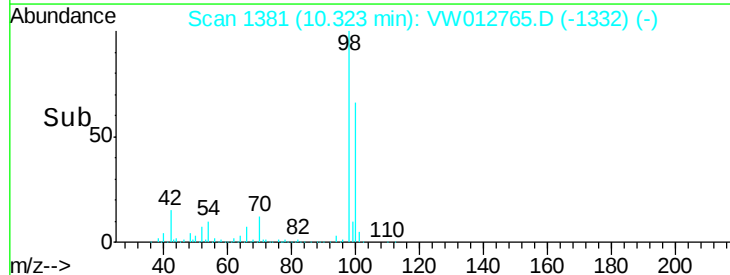
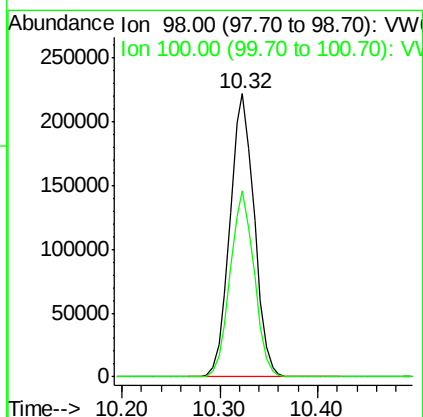
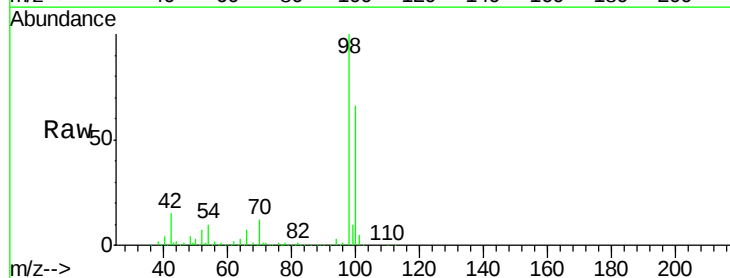
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-D4-(3.11)

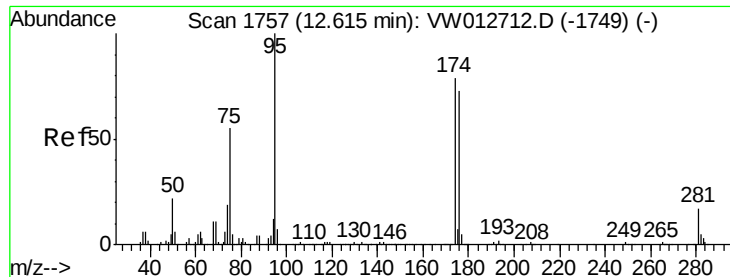
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.0 | 80.2  | 120.4 |
| 192     | 21.7  | 17.3  | 25.9  |



#50  
 Toluene-d8  
 Concen: 49.957 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW012765.D  
 Acq: 08 Sep 2019 13:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.9  | 52.2  | 78.4  |

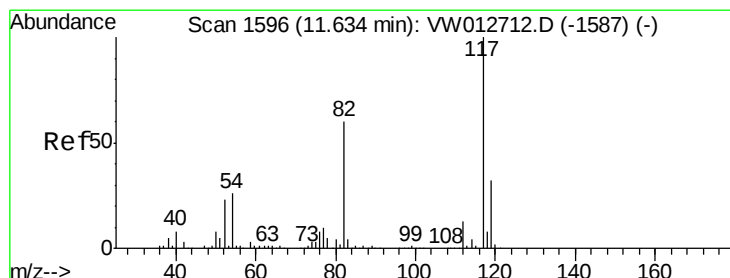
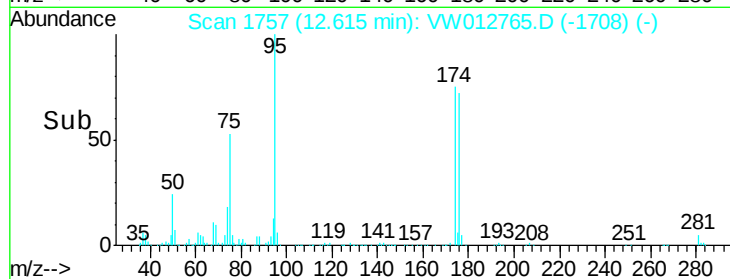
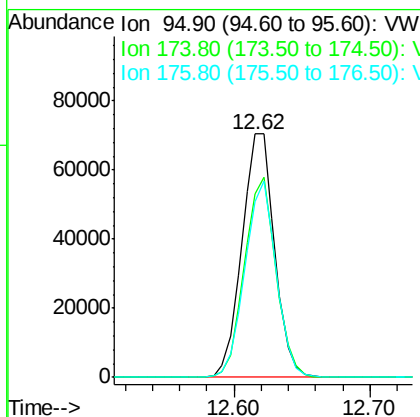
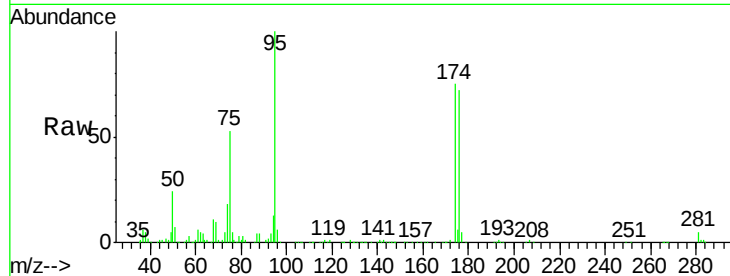




#62  
4-Bromofluorobenzene  
Concen: 42.546 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW012765.D  
Acq: 08 Sep 2019 13:27

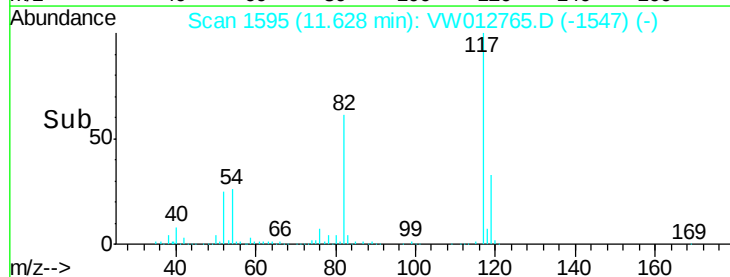
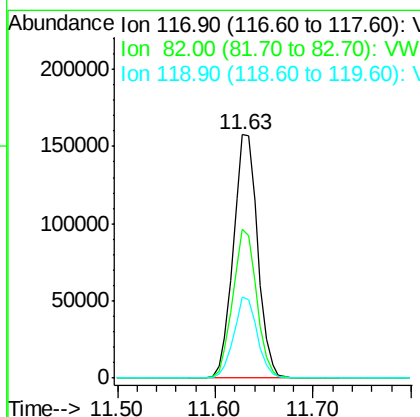
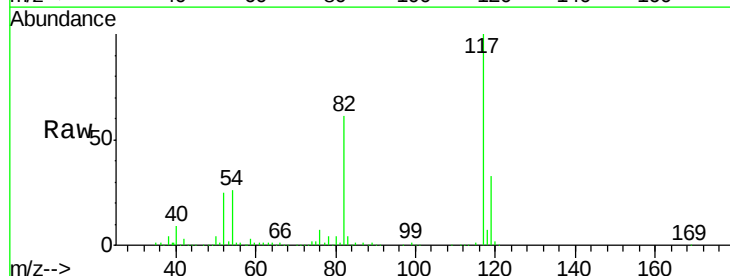
Instrument :  
MSVOA\_W  
ClientSampleId :  
PAR-D4-(3.11)

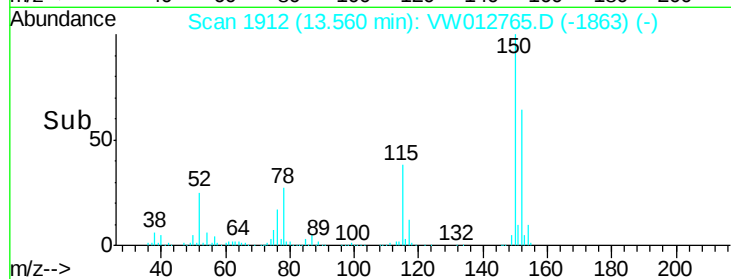
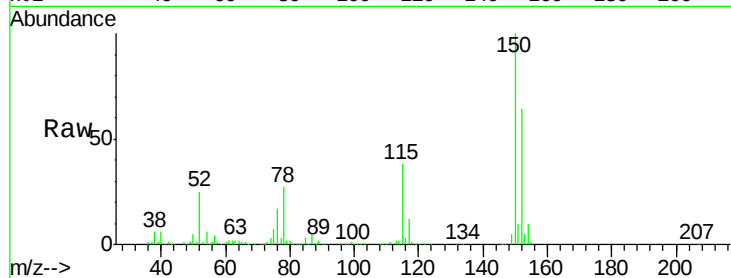
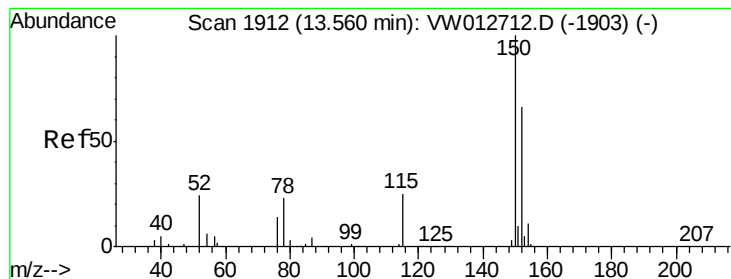
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 79.6  | 0.0   | 161.0 |
| 176     | 77.3  | 0.0   | 156.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012765.D  
Acq: 08 Sep 2019 13:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 61.0  | 48.2  | 72.4  |
| 119     | 33.1  | 25.8  | 38.6  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012765.D

Acq: 08 Sep 2019 13:27

Instrument :

MSVOA\_W

ClientSampleId :

PAR-D4-(3.11)

Tot Ion:152 Resp: 103439

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.1

150 158.3 0.0 349.0

