

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\  
 Data File : VW012834.D  
 Acq On : 09 Sep 2019 20:42  
 Operator : SY/VA  
 Sample : K4623-04  
 Misc : 4.07G/5ML/MSVOA W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-11-C1-(4)

Quant Time: Sep 10 07:33:05 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

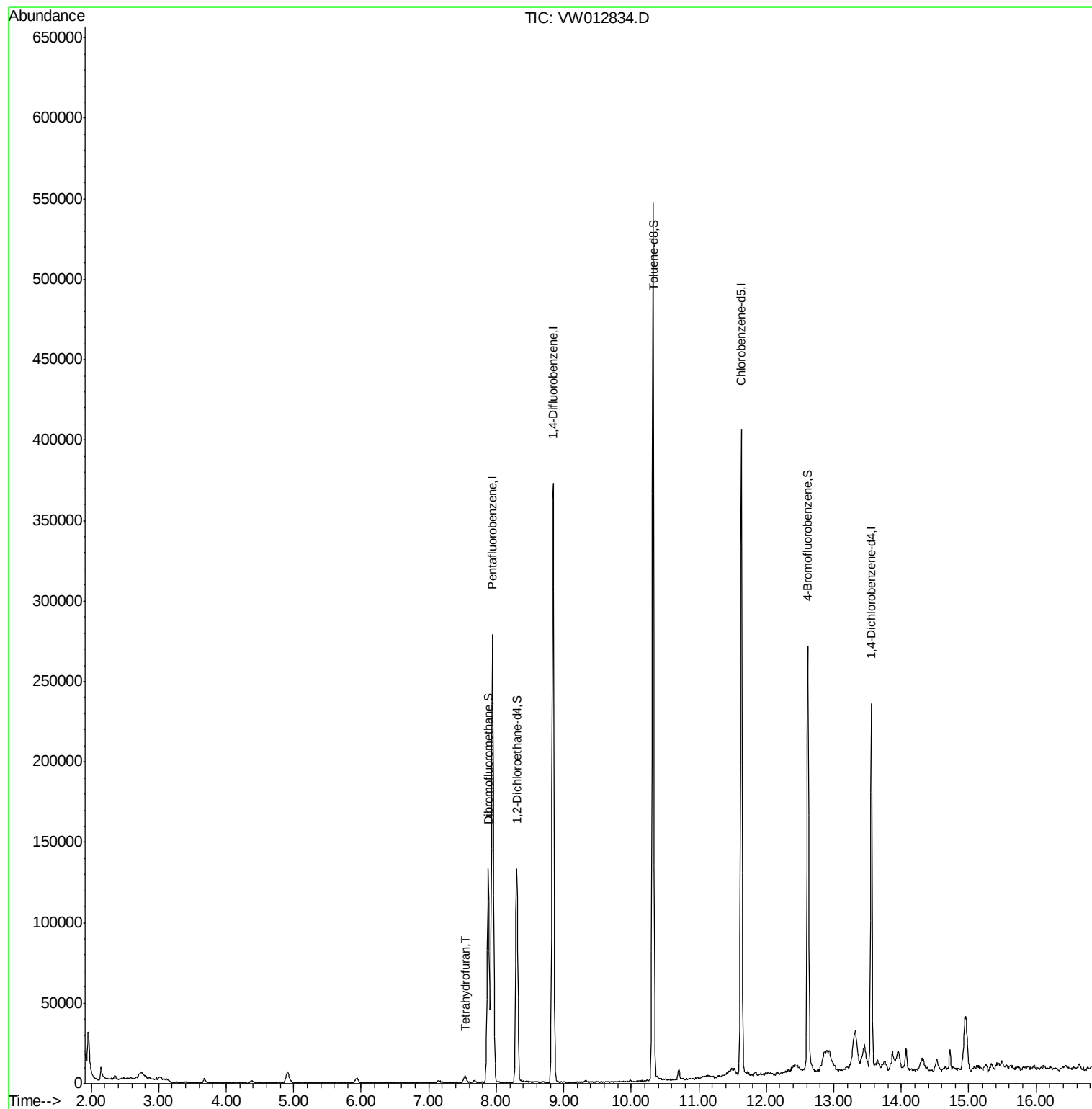
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 213470   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 311634   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 215896   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 59613    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 111097   | 46.58 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.16%  |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 94379    | 50.94 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.88% |           |
| 50) Toluene-d8              | 10.32 | 98   | 357759   | 49.29 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.58%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 81301    | 30.85 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 61.70%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 29) Tetrahydrofuran         | 7.53  | 42   | 3707     | 7.060 | ug/l    | Qvalue 94 |

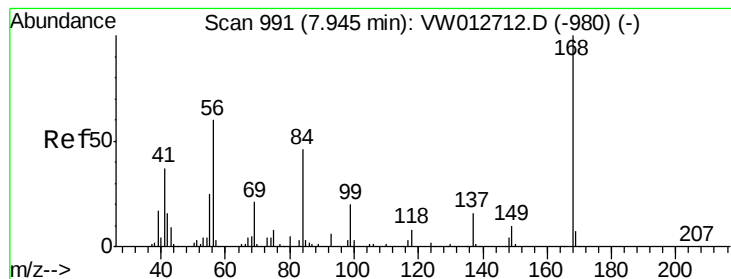
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA\_W

ClientSampleId :

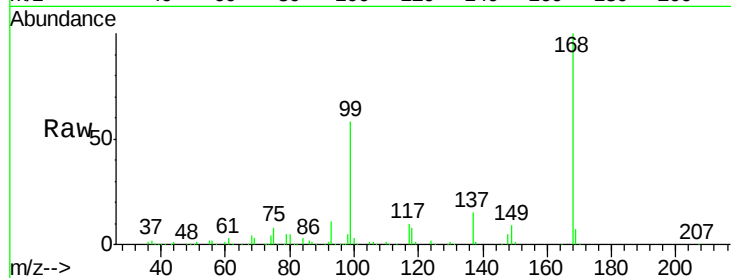
PAR-11-C1-(4)

Tot Ion:168 Resp: 213470

Ion Ratio Lower Upper

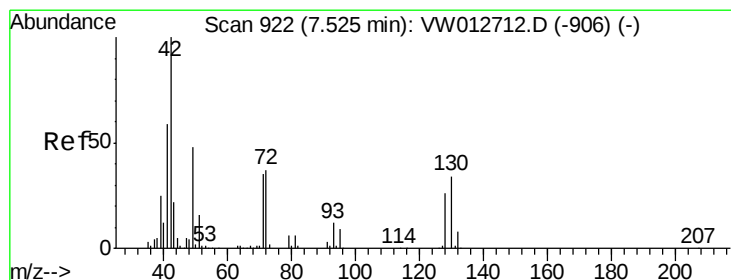
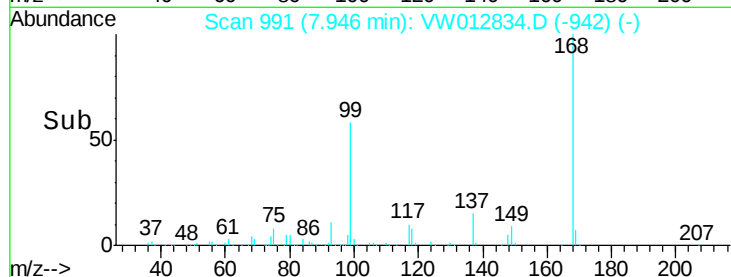
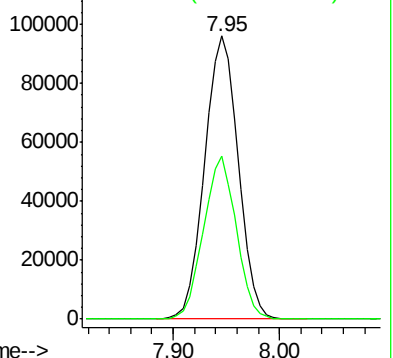
168 100

99 57.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#29

Tetrahydrofuran

Concen: 7.060 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

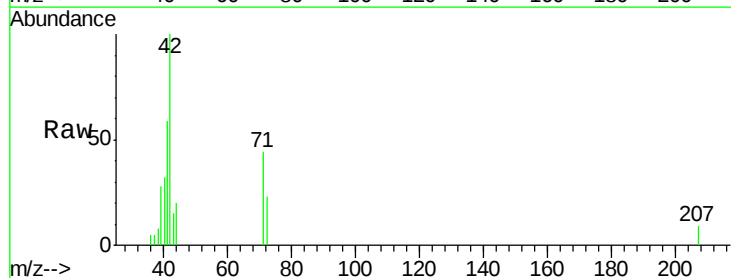
Tgt Ion: 42 Resp: 3707

Ion Ratio Lower Upper

42 100

72 37.3 28.4 42.6

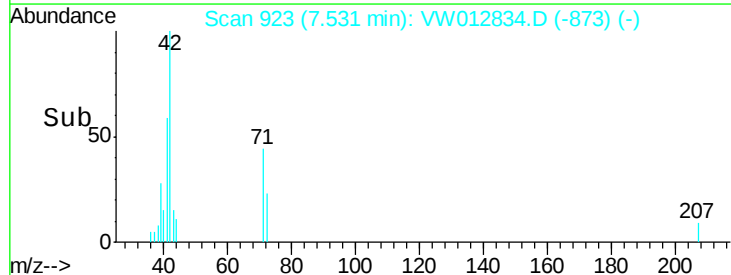
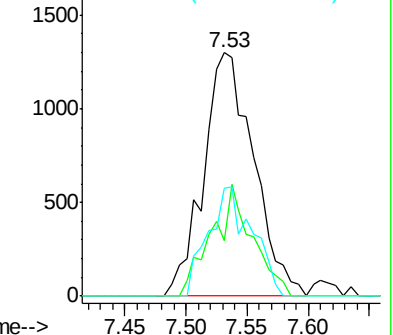
71 39.1 27.1 40.7

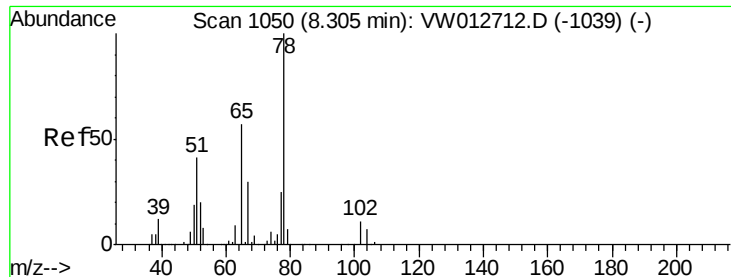


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#33

1,2-Dichloroethane-d4

Concen: 46.578 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA\_W

ClientSampleId :

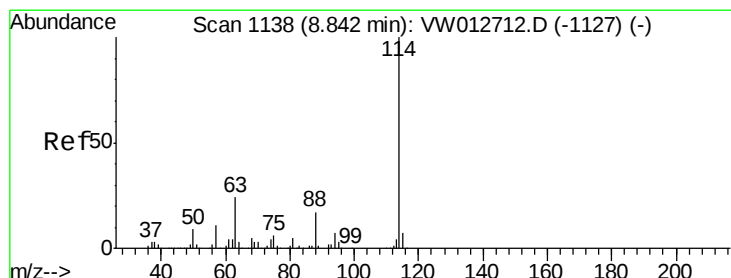
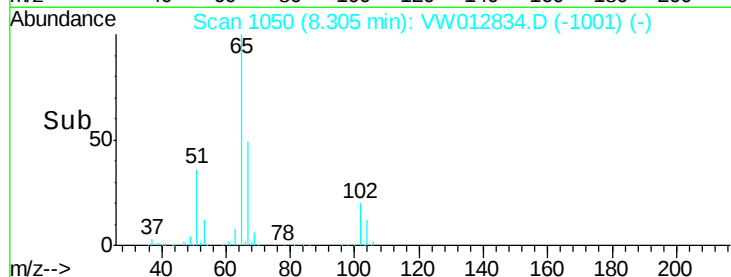
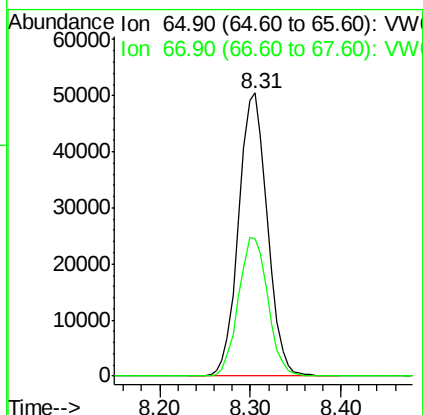
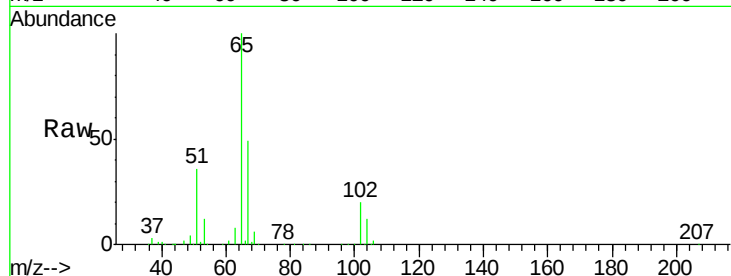
PAR-11-C1-(4)

Tot Ion: 65 Resp: 111097

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: VW012834.D

Acq: 09 Sep 2019 20:42

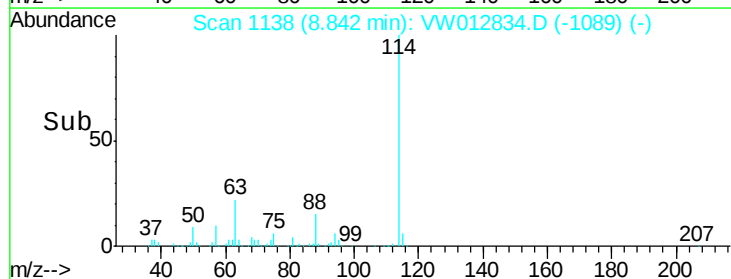
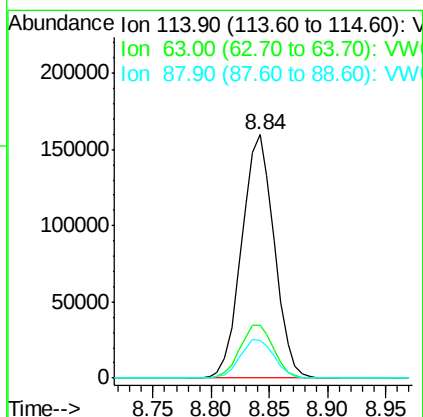
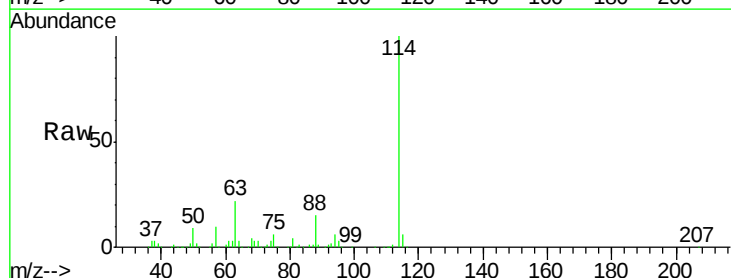
Tgt Ion: 114 Resp: 311634

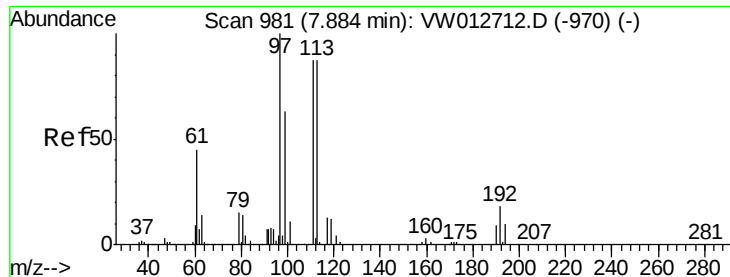
Ion Ratio Lower Upper

114 100

63 21.7 0.0 47.2

88 15.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.940 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA\_W

ClientSampled :

PAR-11-C1-(4)

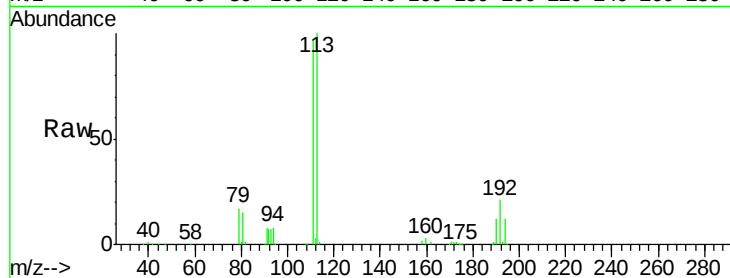
Tot Ion:113 Resp: 94379

Ion Ratio Lower Upper

113 100

111 102.1 80.2 120.4

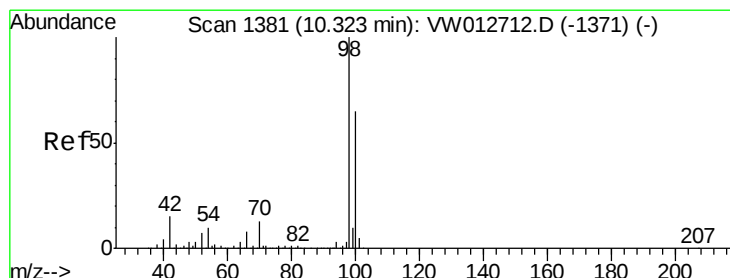
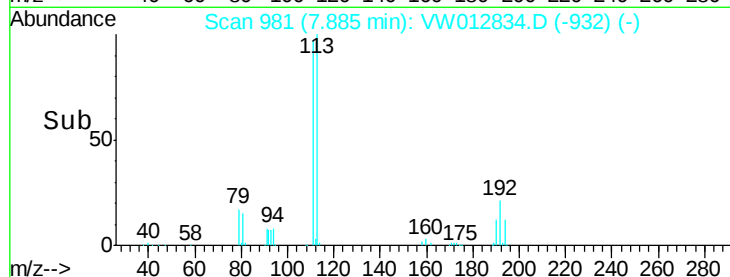
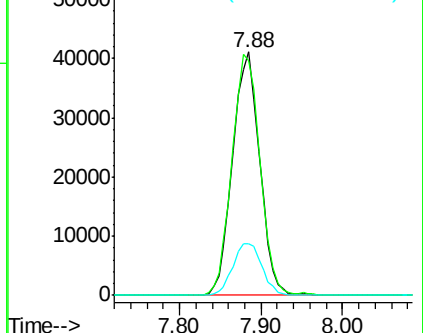
192 22.9 17.3 25.9



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: 49.287 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012834.D

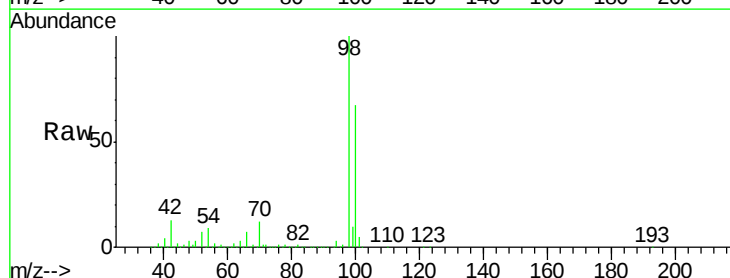
Acq: 09 Sep 2019 20:42

Tgt Ion: 98 Resp: 357759

Ion Ratio Lower Upper

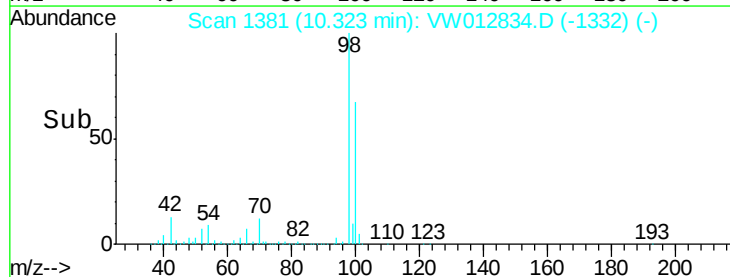
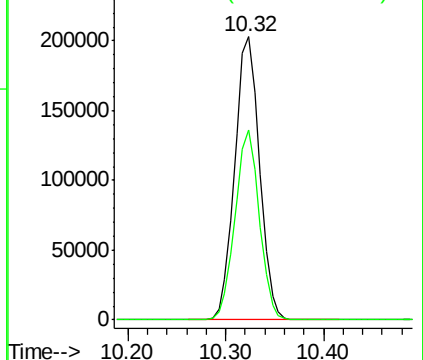
98 100

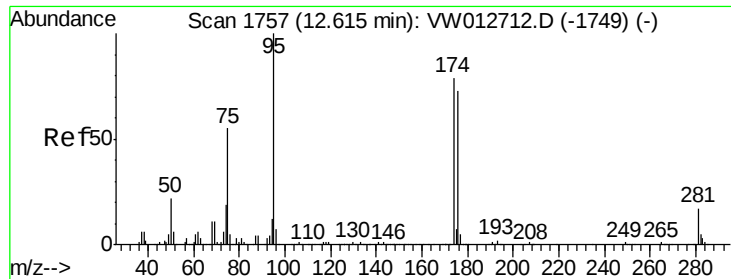
100 65.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 30.853 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA\_W

ClientSampleId :

PAR-11-C1-(4)

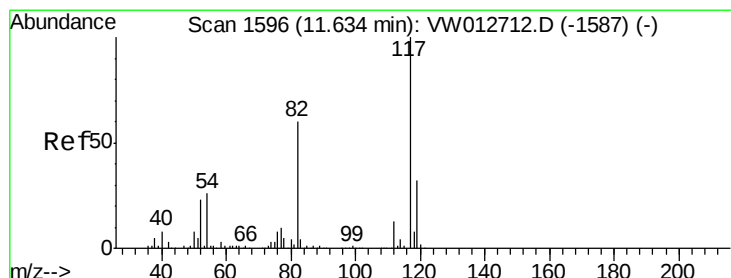
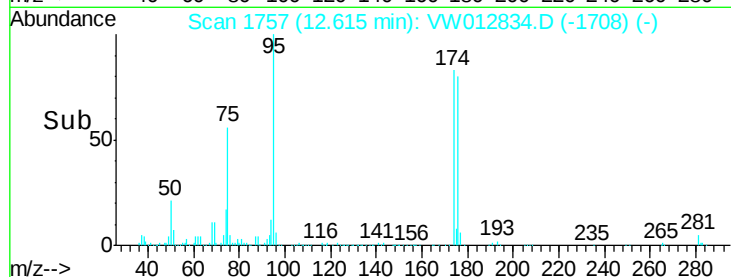
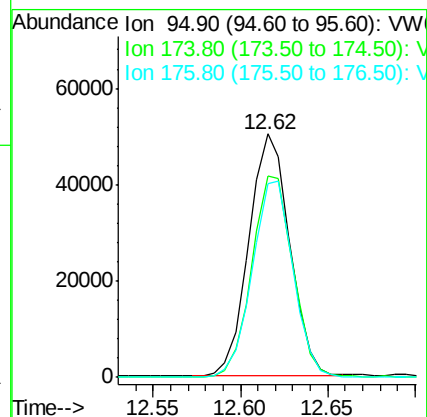
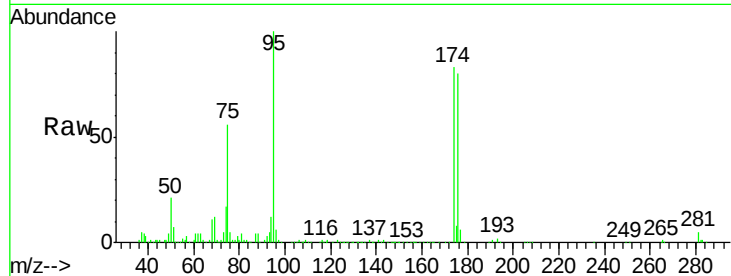
Tot Ion: 95 Resp: 81301

Ion Ratio Lower Upper

95 100

174 84.7 0.0 161.0

176 81.5 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: VW012834.D

Acq: 09 Sep 2019 20:42

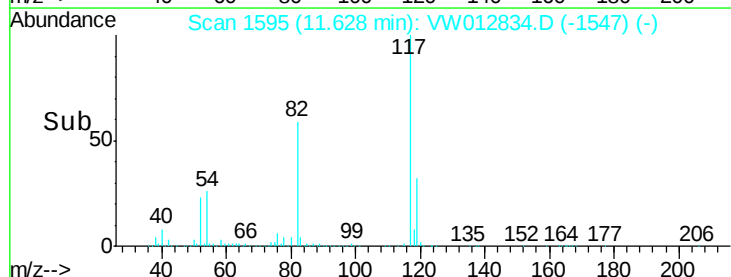
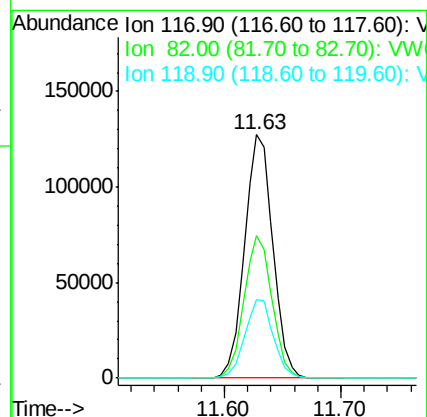
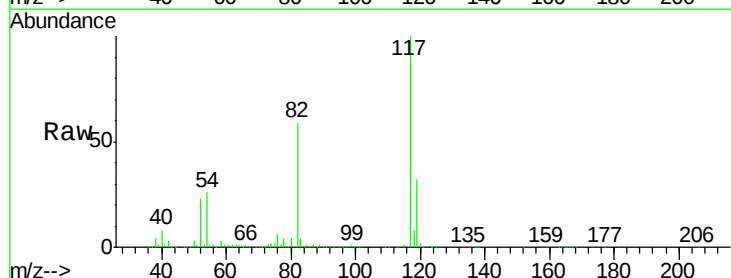
Tgt Ion: 117 Resp: 215896

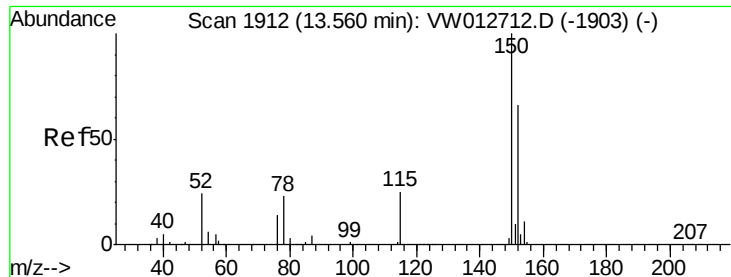
Ion Ratio Lower Upper

117 100

82 58.6 48.2 72.4

119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA\_W

ClientSampleId :

PAR-11-C1-(4)

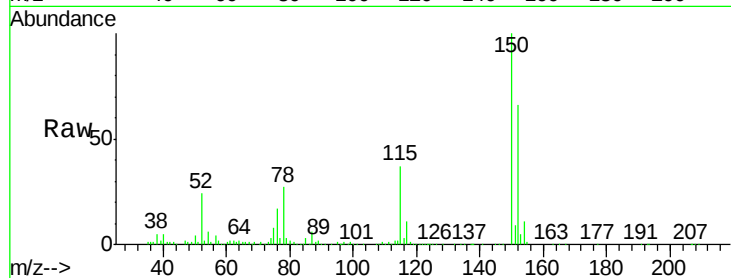
Tot Ion:152 Resp: 59613

Ion Ratio Lower Upper

152 100

115 57.9 30.0 90.1

150 159.4 0.0 349.0



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

