

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
 Data File : VW011336.D  
 Acq On : 18 Jul 2019 16:16  
 Operator : SY/VA  
 Sample : K3783-03  
 Misc : 5.07G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY030LC018-SD-190711

Quant Time: Jul 19 07:23:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 185573   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 322735   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 285541   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 123813   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 134960   | 57.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.76% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 100463   | 52.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.46% |      |
| 50) Toluene-d8              | 10.32  | 98  | 407511   | 52.41 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.82% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 160006   | 56.14 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.28% |      |

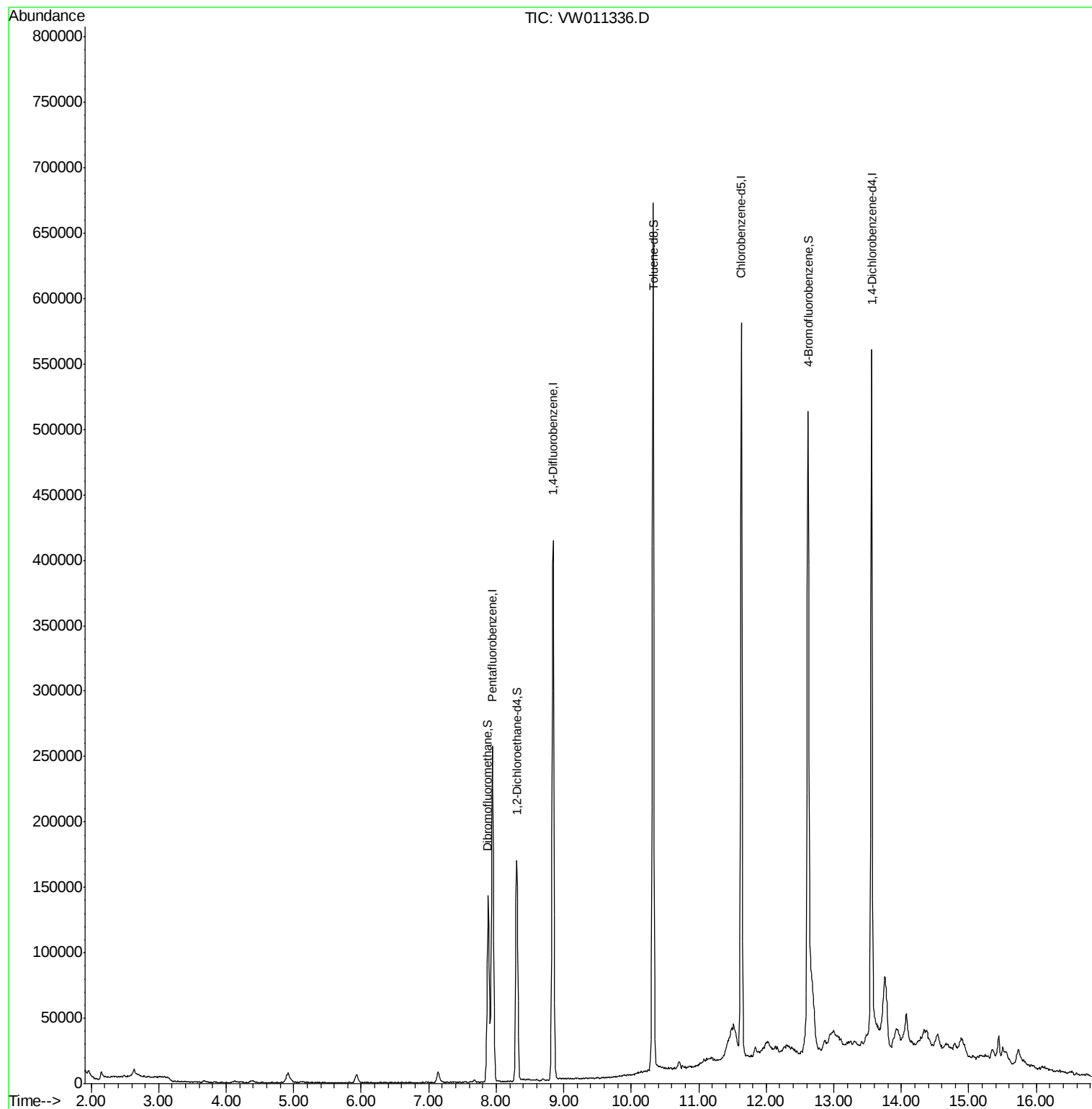
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

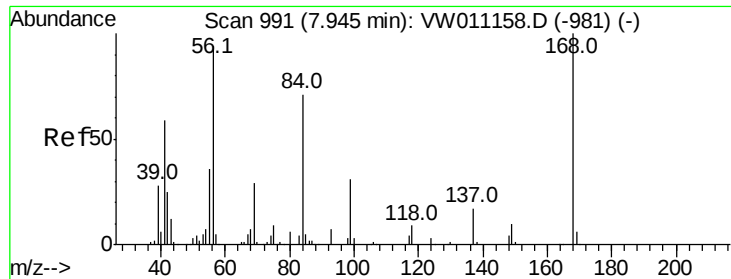
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 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: VW011336.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA\_W

ClientSampleId :

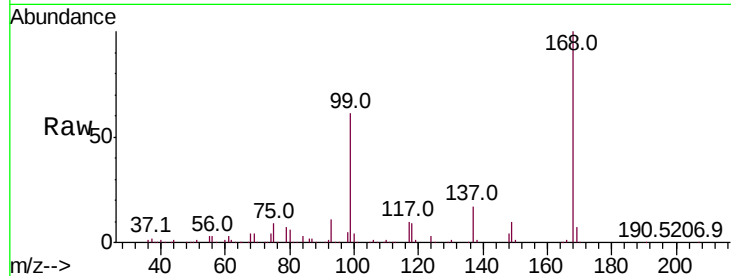
KY030LC018-SD-190711

Tot Ion:168 Resp: 185573

Ion Ratio Lower Upper

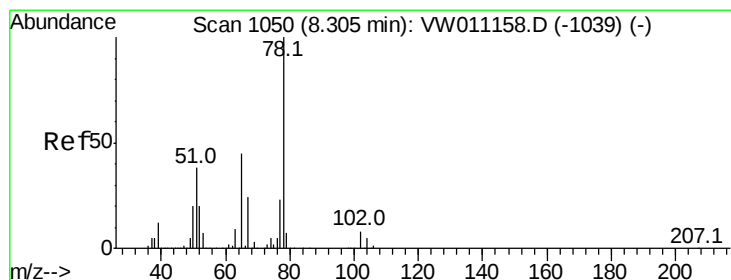
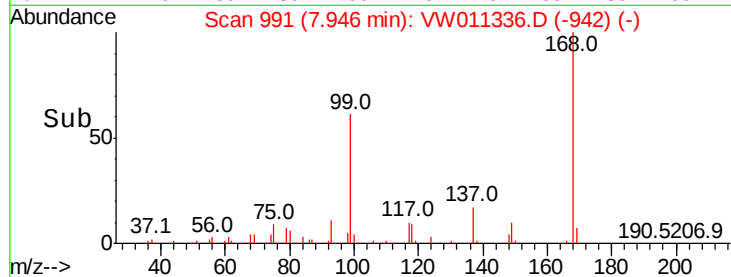
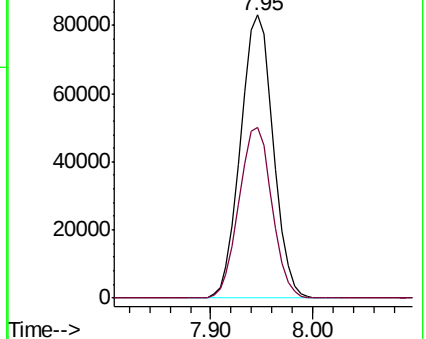
168 100

99 60.5 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 57.878 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011336.D

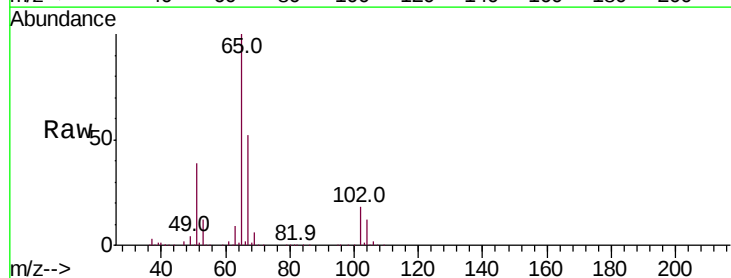
Acq: 18 Jul 2019 16:16

Tgt Ion: 65 Resp: 134960

Ion Ratio Lower Upper

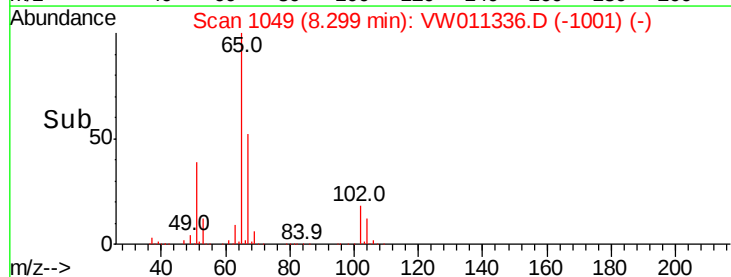
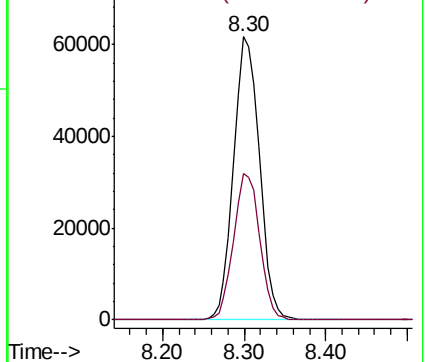
65 100

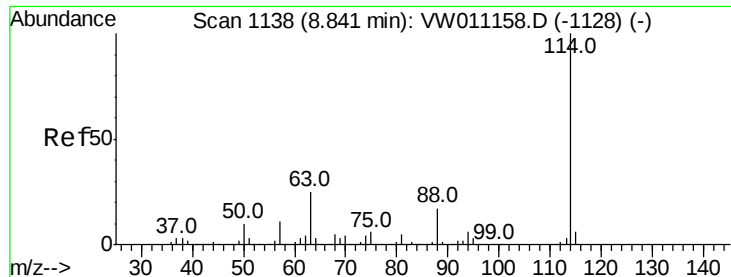
67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

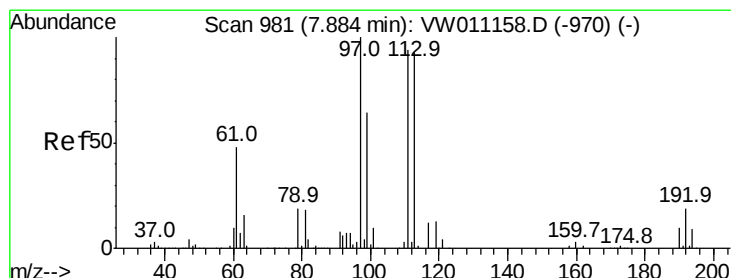
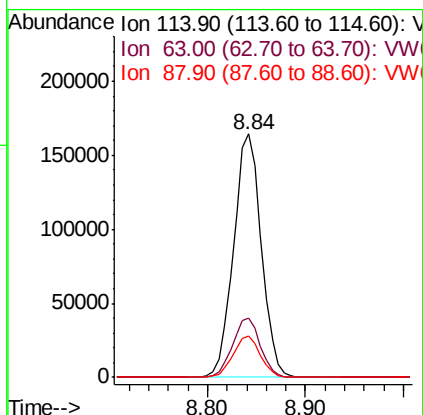
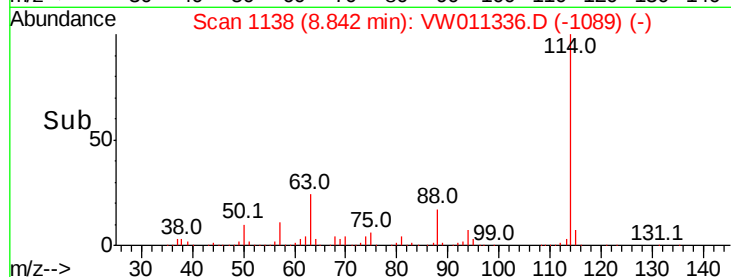
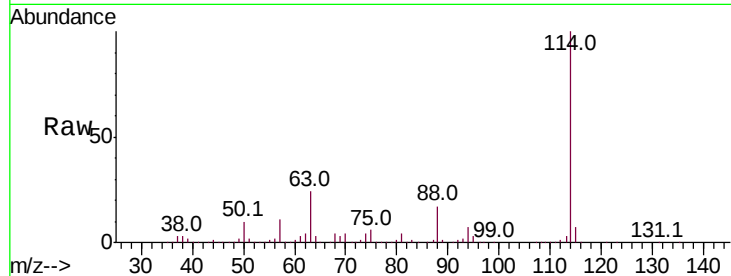




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

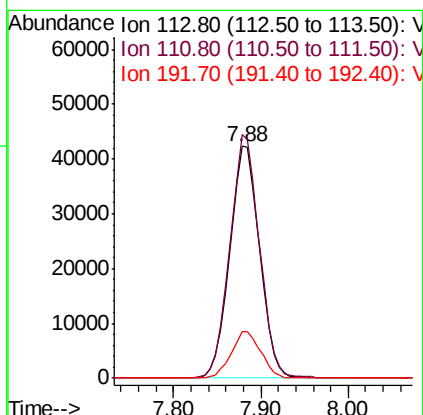
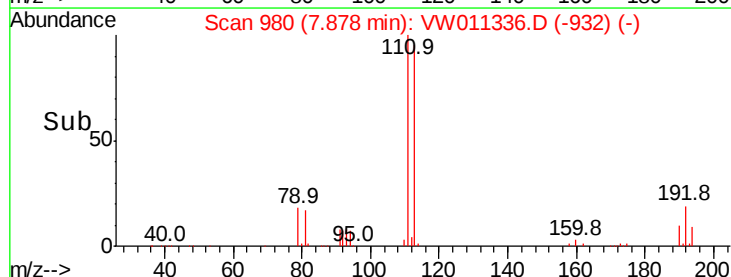
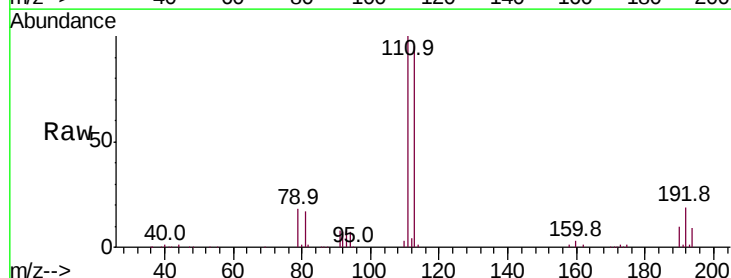
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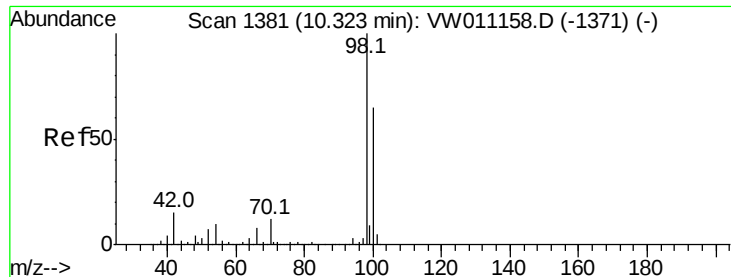
Tot Ion:114 Resp: 322735  
Ion Ratio Lower Upper  
114 100  
63 24.5 0.0 50.8  
88 16.9 0.0 34.2



#35  
Dibromofluoromethane  
Concen: 52.225 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

Tgt Ion:113 Resp: 100463  
Ion Ratio Lower Upper  
113 100  
111 104.0 82.4 123.6  
192 20.0 15.8 23.8

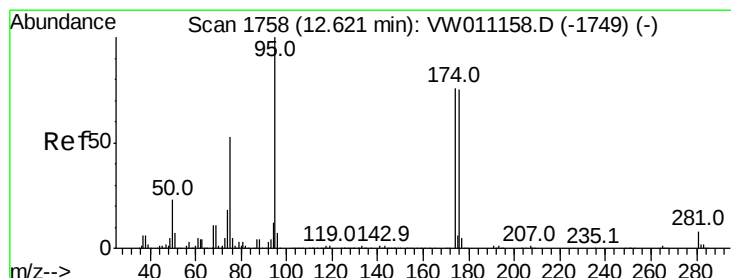
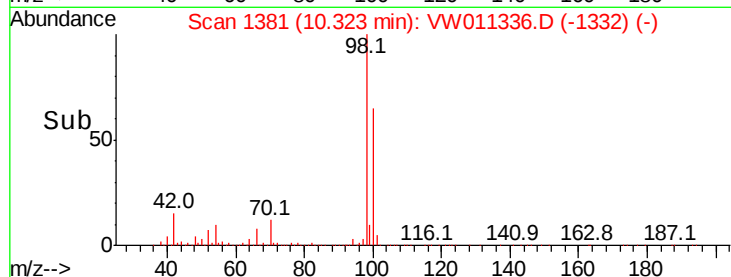
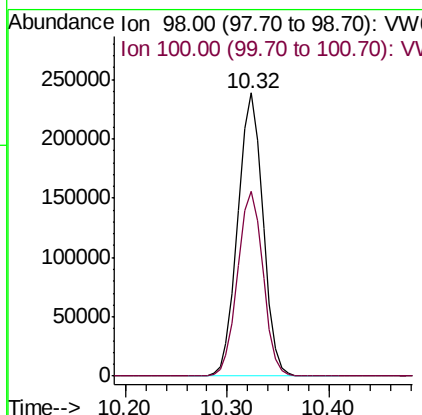
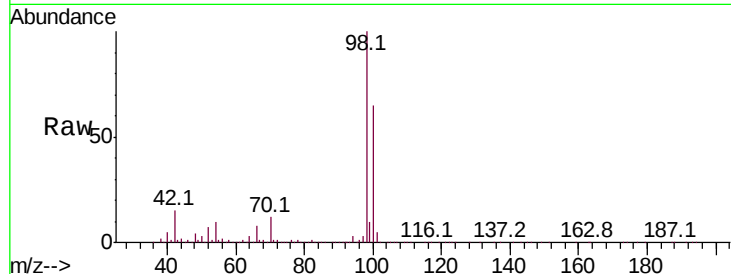




#50  
Toluene-d8  
Concen: 52.409 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

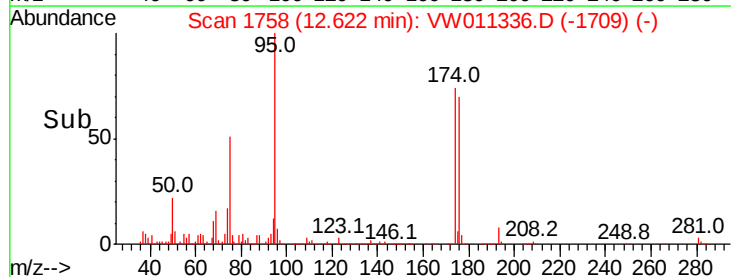
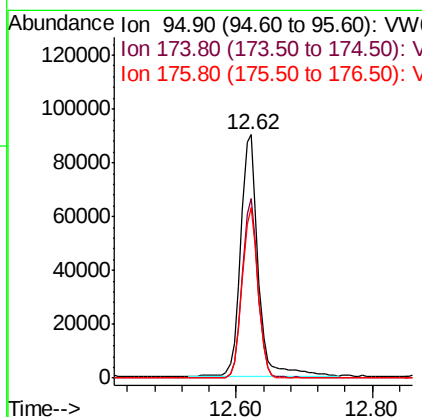
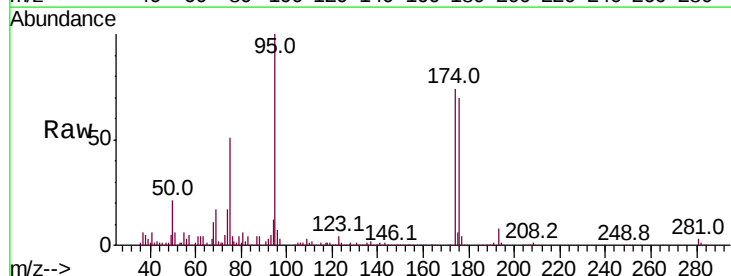
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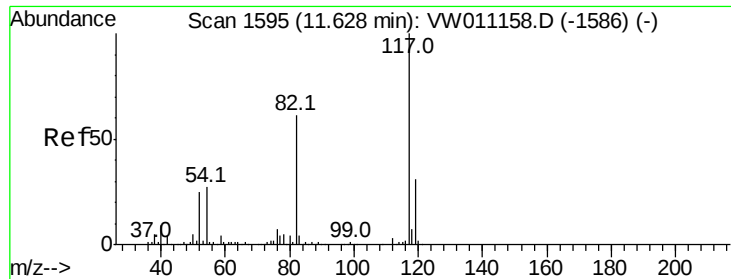
Tot Ion: 98 Resp: 407511  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 56.141 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW011336.D  
Acq: 18 Jul 2019 16:16

Tgt Ion: 95 Resp: 160006  
Ion Ratio Lower Upper  
95 100  
174 66.5 0.0 147.6  
176 63.8 0.0 144.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW011336.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA\_W

ClientSampleId :

KY030LC018-SD-190711

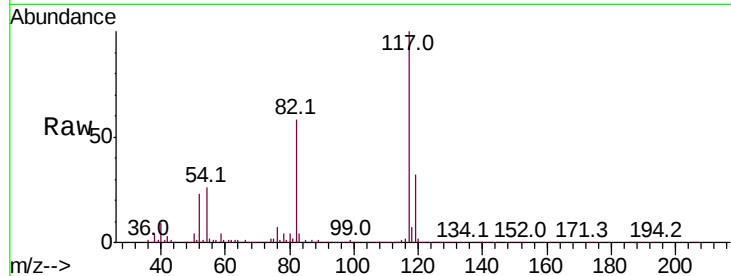
Tot Ion:117 Resp: 285541

Ion Ratio Lower Upper

117 100

82 58.1 48.9 73.3

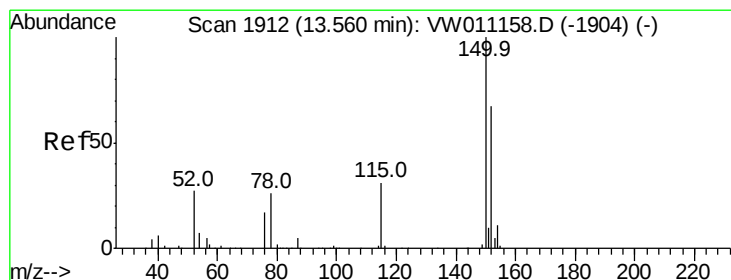
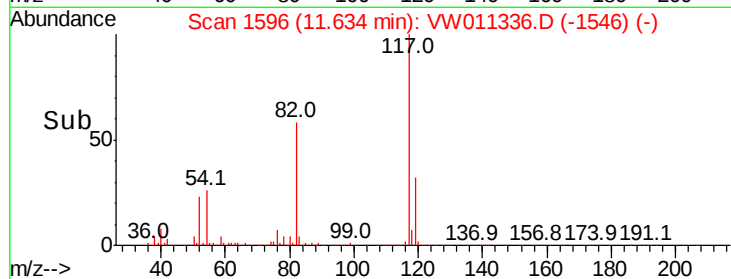
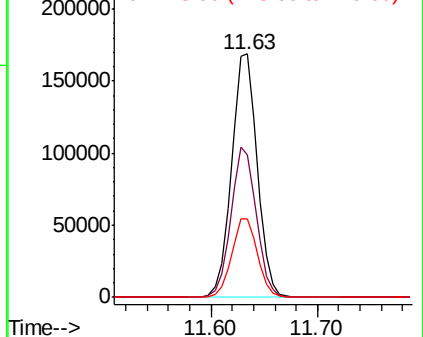
119 32.0 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VV

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011336.D

Acq: 18 Jul 2019 16:16

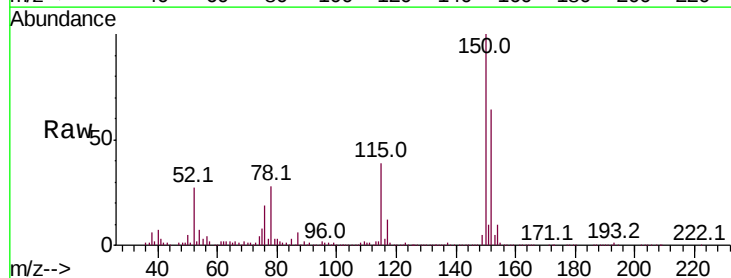
Tgt Ion:152 Resp: 123813

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

150 156.1 0.0 346.0



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

