

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\  
 Data File : VW012492.D  
 Acq On : 02 Sep 2019 12:18  
 Operator : SY/VA  
 Sample : K4527-15RE  
 Misc : 5.54G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T9-12-13-O-(0)RE

Quant Time: Sep 03 07:58:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

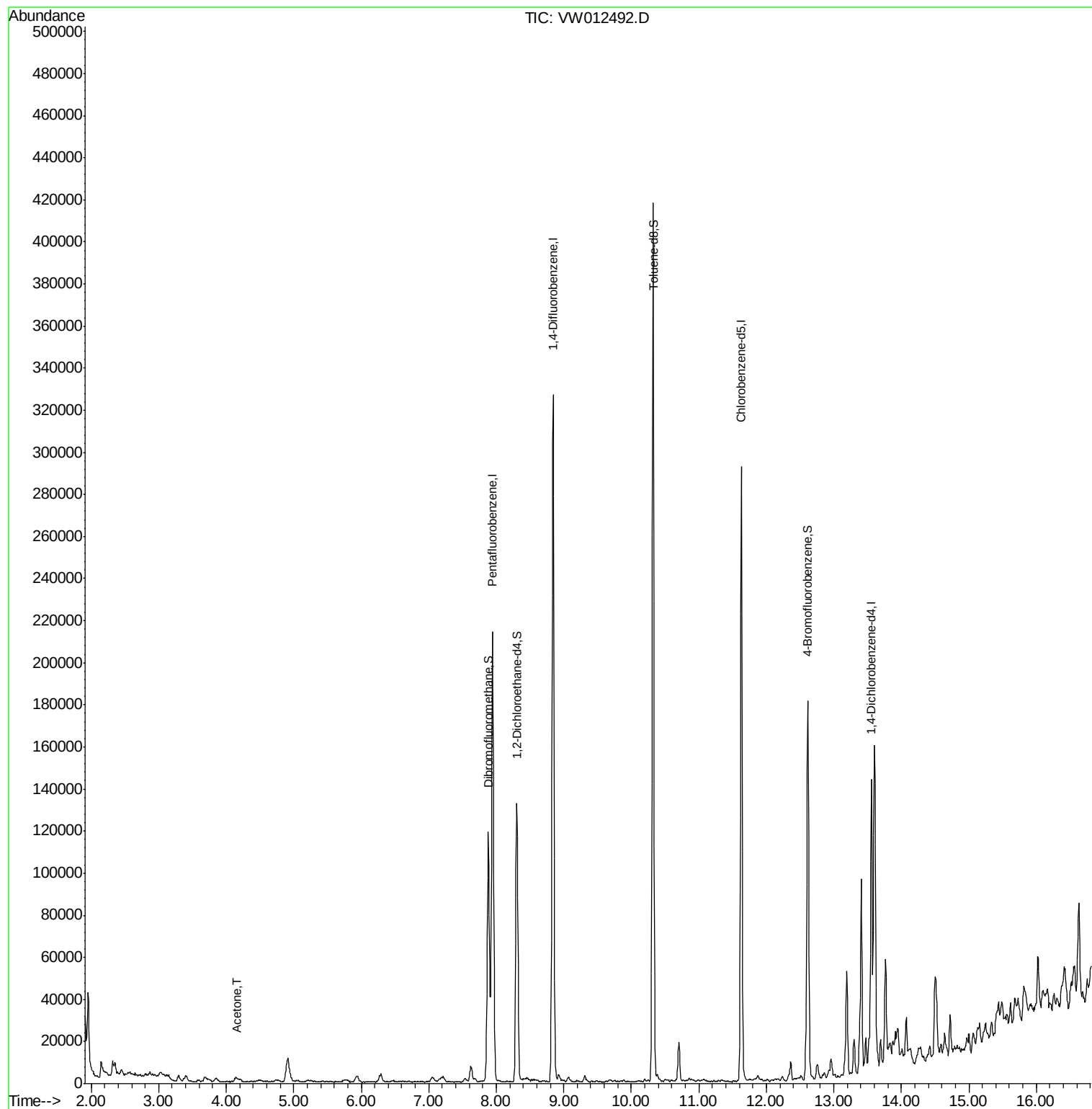
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 151627   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 251046   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 150223   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 33793    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 108192   | 60.02  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.04% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 82672    | 55.17  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.34% |           |
| 50) Toluene-d8              | 10.32 | 98   | 262012   | 43.12  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.24%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 55964    | 26.13  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 52.26%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.16  | 43   | 4940     | 10.722 | ug/l    | Qvalue 96 |

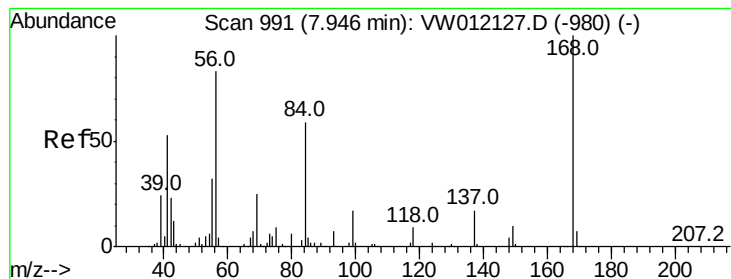
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T9-12-13-O-(O)RE

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Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 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: VW012492.D

Acq: 02 Sep 2019 12:18

Instrument :

MSVOA\_W

ClientSampleId :

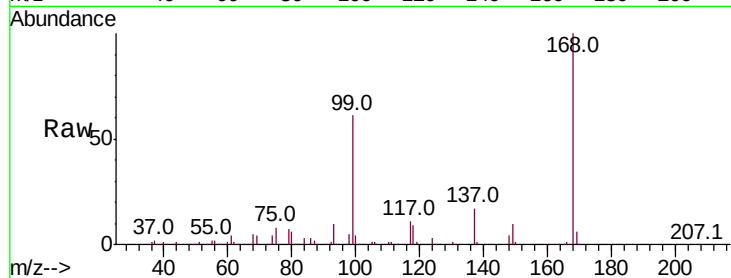
T9-12-13-O-(0)RE

Tot Ion:168 Resp: 151627

Ion Ratio Lower Upper

168 100

99 60.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

80000

60000

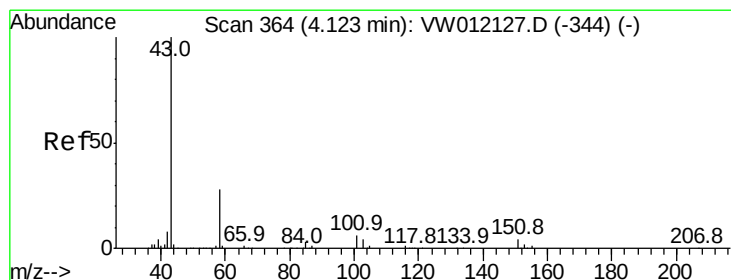
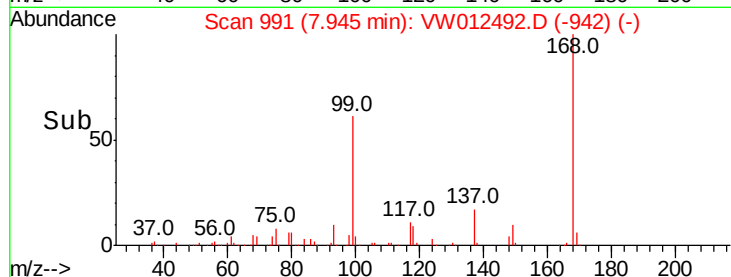
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 10.722 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012492.D

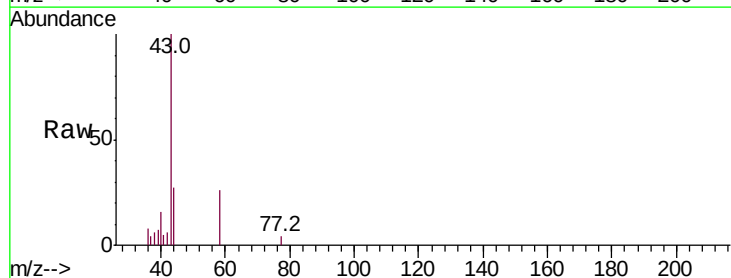
Acq: 02 Sep 2019 12:18

Tgt Ion: 43 Resp: 4940

Ion Ratio Lower Upper

43 100

58 26.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1500

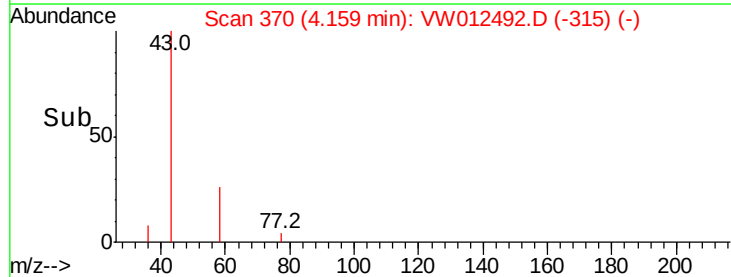
1000

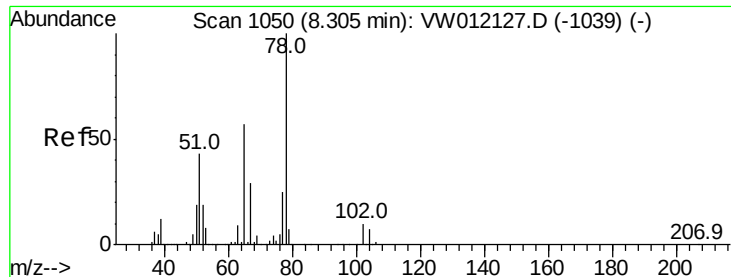
500

0

4.00 4.10 4.20 4.30

Time-->

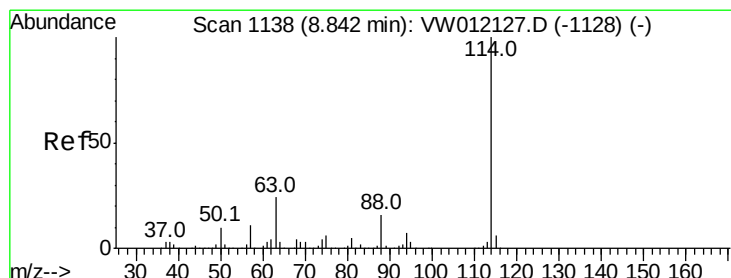
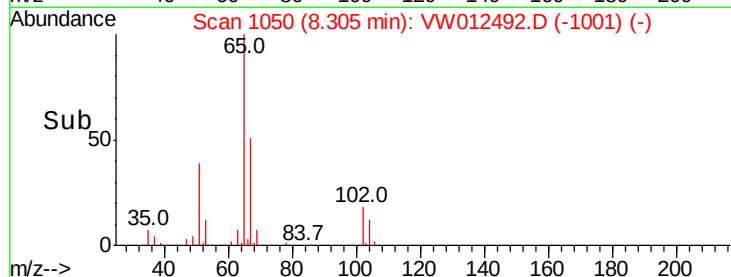
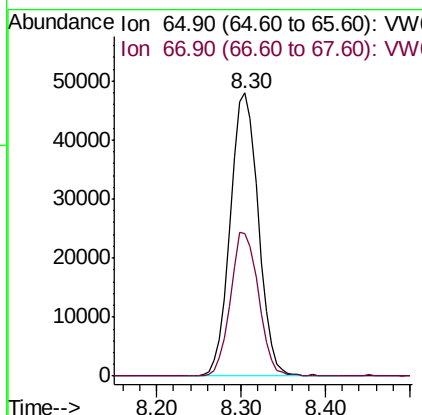
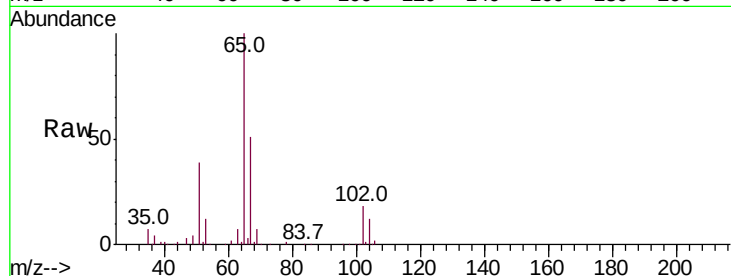




#33  
 1,2-Dichloroethane-d4  
 Concen: 60.024 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012492.D  
 Acq: 02 Sep 2019 12:18

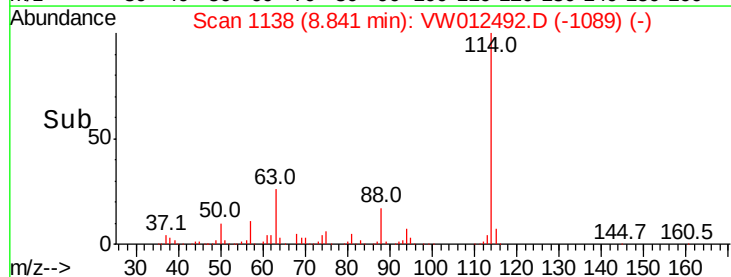
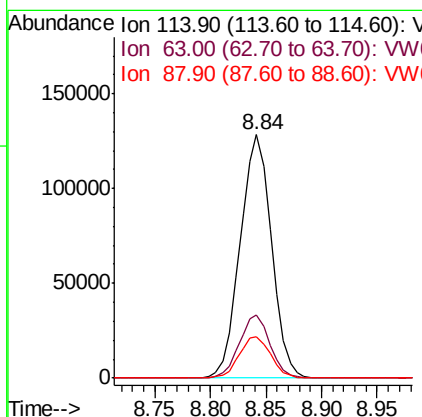
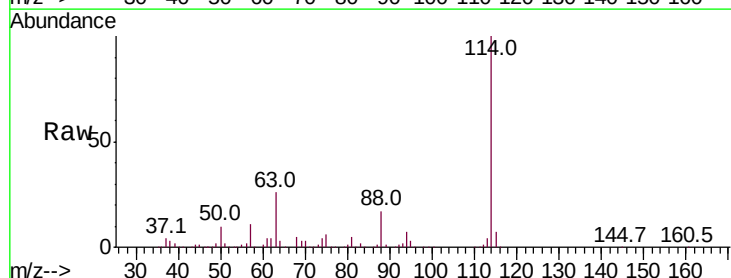
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 T9-12-13-O-(0)RE

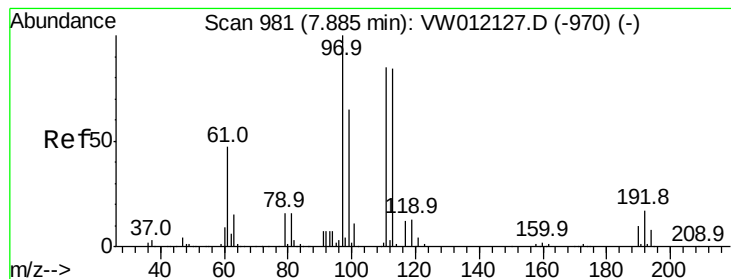
Tot Ion: 65 Resp: 108192  
 Ion Ratio Lower Upper  
 65 100  
 67 50.8 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012492.D  
 Acq: 02 Sep 2019 12:18

Tgt Ion: 114 Resp: 251046  
 Ion Ratio Lower Upper  
 114 100  
 63 25.9 0.0 48.6  
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 55.170 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

Instrument :

MSVOA\_W

ClientSampleId :

T9-12-13-O-(0)RE

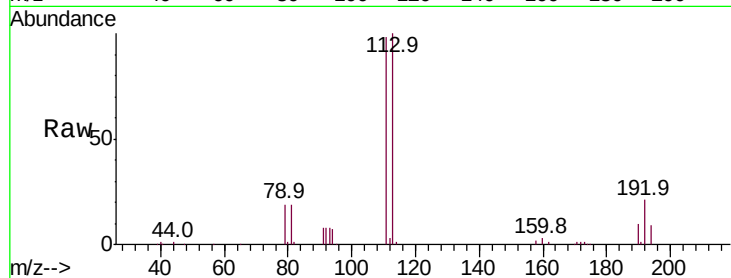
Tot Ion:113 Resp: 82672

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

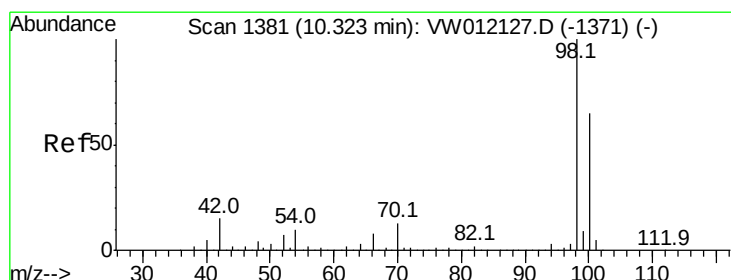
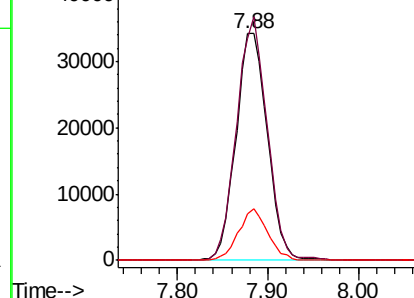
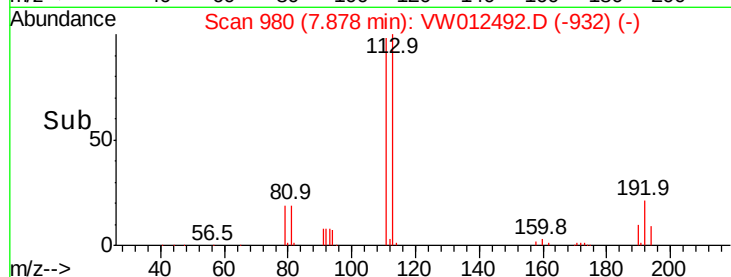
192 21.0 16.2 24.2



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: 43.123 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012492.D

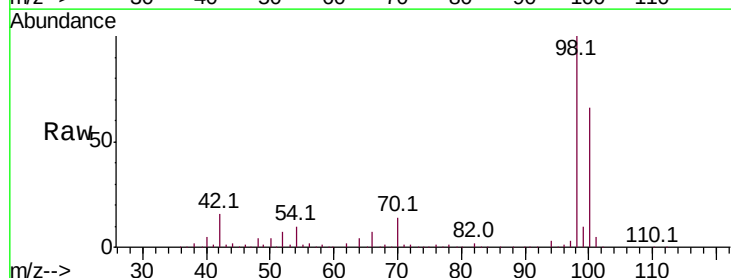
Acq: 02 Sep 2019 12:18

Tgt Ion: 98 Resp: 262012

Ion Ratio Lower Upper

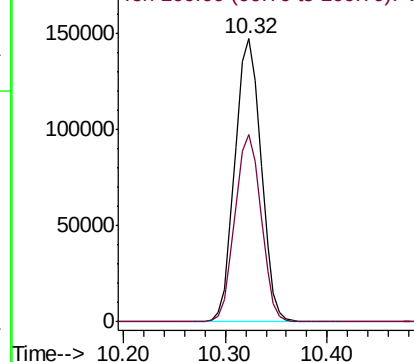
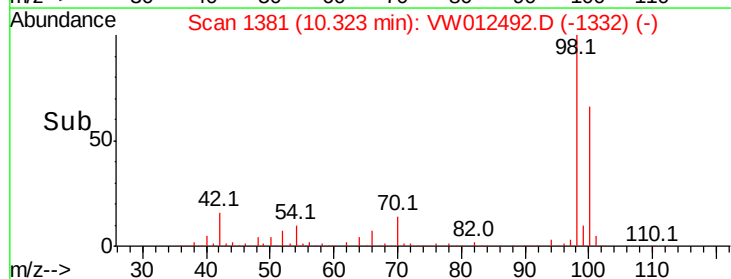
98 100

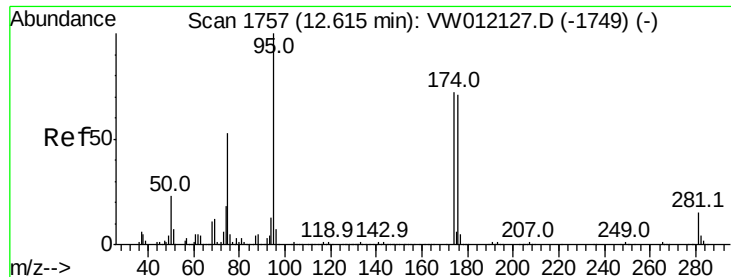
100 66.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

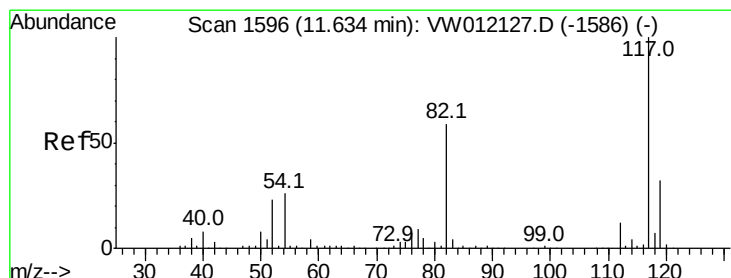
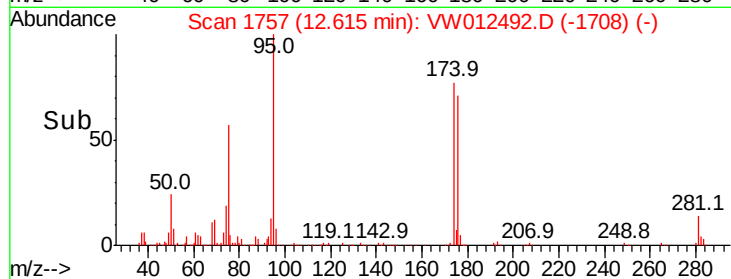
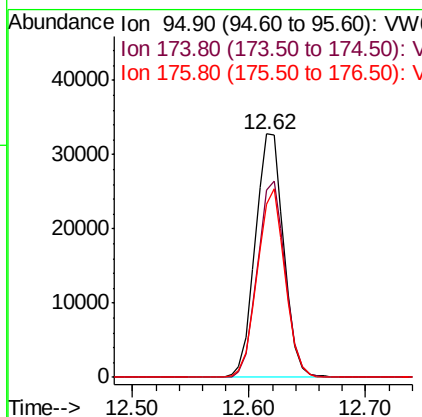
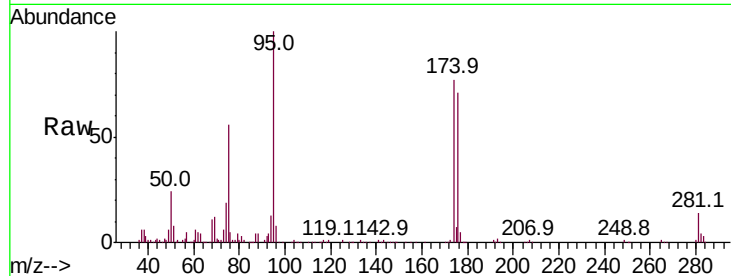




#62  
4-Bromofluorobenzene  
Concen: 26.130 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW012492.D  
Acq: 02 Sep 2019 12:18

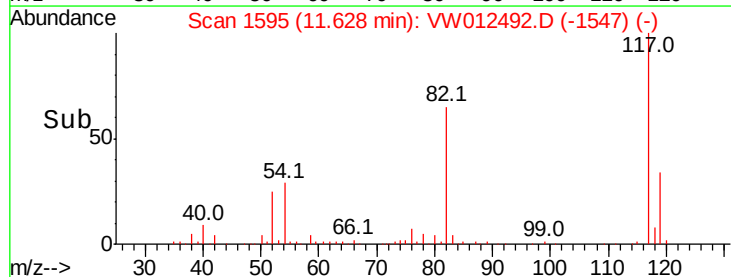
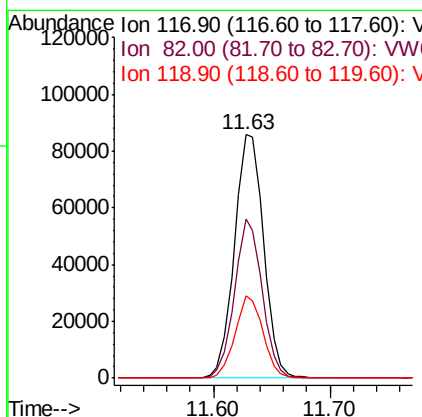
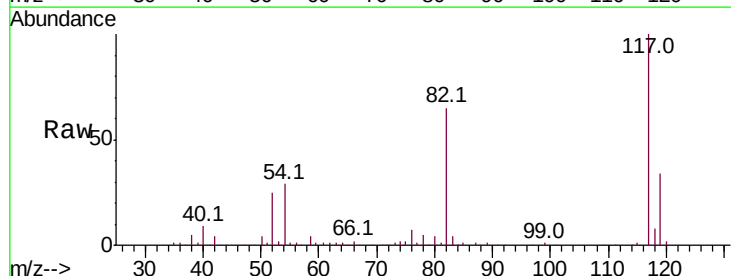
Instrument :  
MSVOA\_W  
ClientSampleId :  
T9-12-13-O-(0)RE

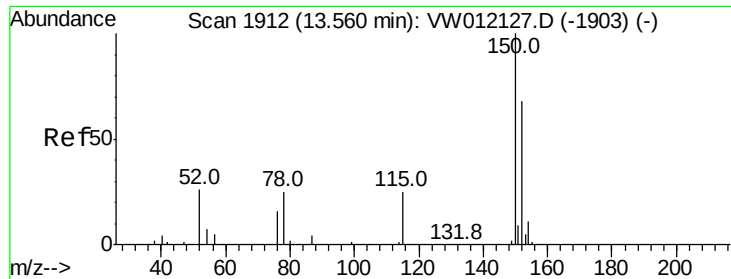
| Tot Ion | 95    | Resp  | 55964 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 95      | 100   |       |       |
| 174     | 78.7  | 0.0   | 150.8 |
| 176     | 75.2  | 0.0   | 148.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012492.D  
Acq: 02 Sep 2019 12:18

| Tgt Ion | 117   | Resp  | 150223 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 117     | 100   |       |        |
| 82      | 65.4  | 47.4  | 71.2   |
| 119     | 33.9  | 25.4  | 38.2   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

Instrument :

MSVOA\_W

ClientSampleId :

T9-12-13-O-(0)RE

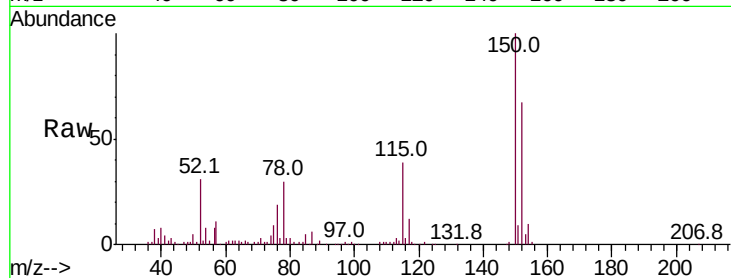
Tot Ion:152 Resp: 33793

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

150 152.6 0.0 345.8



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

