

Data File : VW012701.D
Acq On : 06 Sep 2019 20:24
Operator : SY/VA
Sample : K4581-14
Misc : 4.19G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(0)

Quant Time: Sep 07 06:38:00 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

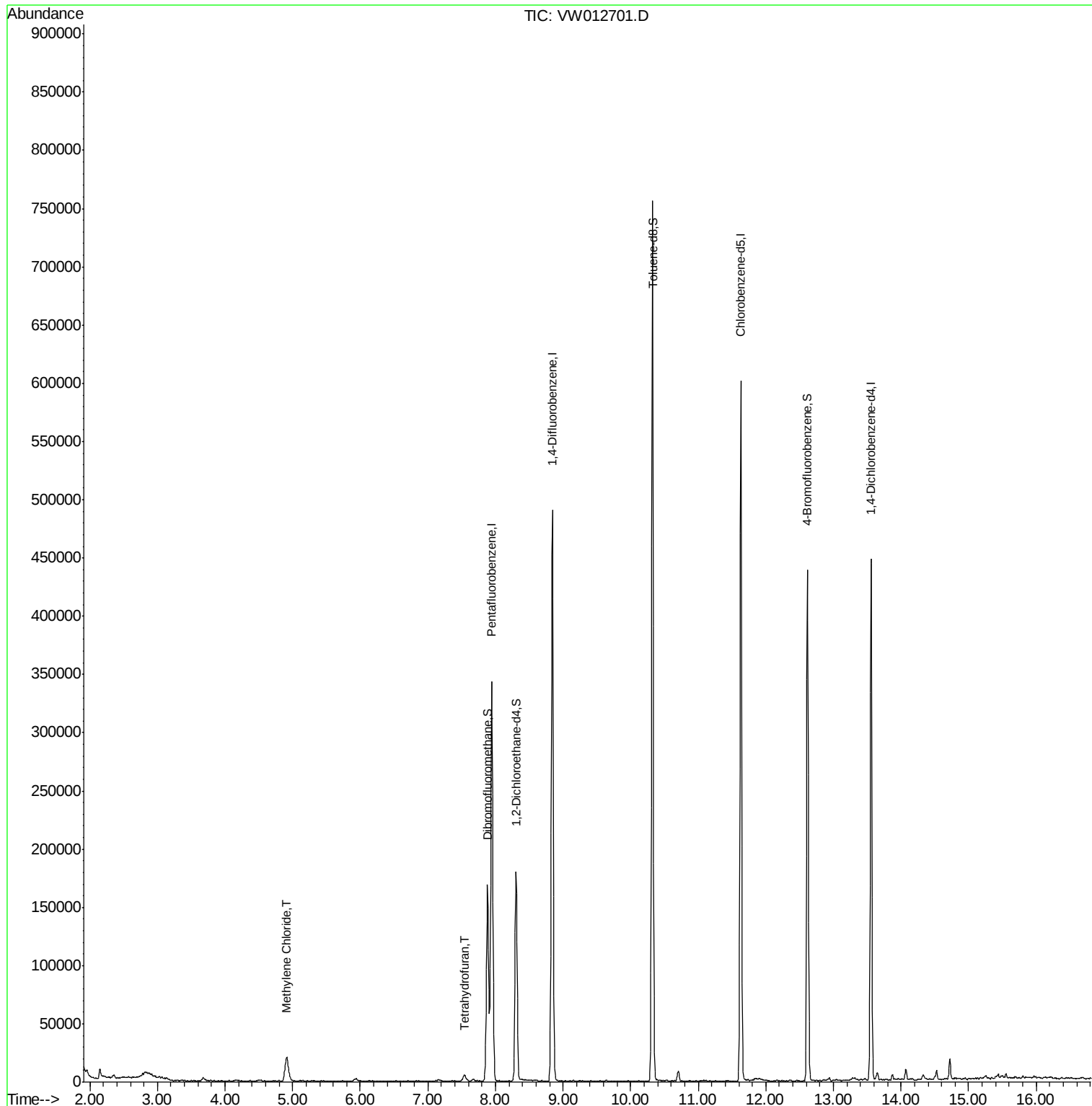
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	257534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113884	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144278	47.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.26%	
35) Dibromofluoromethane	7.88	113	118324	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
50) Toluene-d8	10.32	98	473495	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.62	95	140924	42.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.18%	
Target Compounds						
20) Methylene Chloride	4.90	84	16813	5.683	ug/l #	83
29) Tetrahydrofuran	7.54	42	5110	8.009	ug/l	91

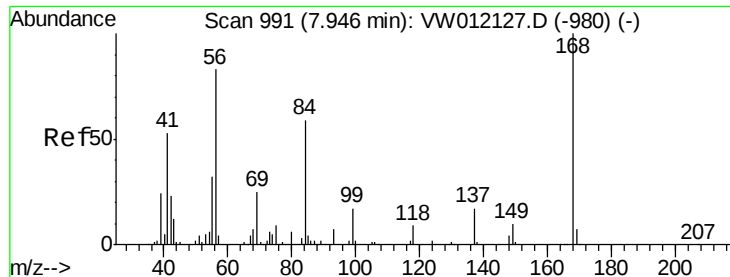
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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MSVOA_W

ClientSampleId :

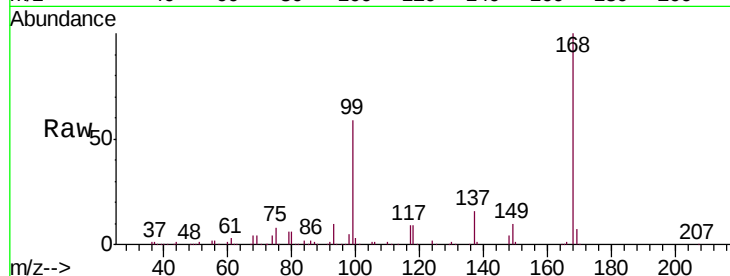
T12-D3-(0)

Tgt Ion:168 Resp: 257534

Ion Ratio Lower Upper

168 100

99 59.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

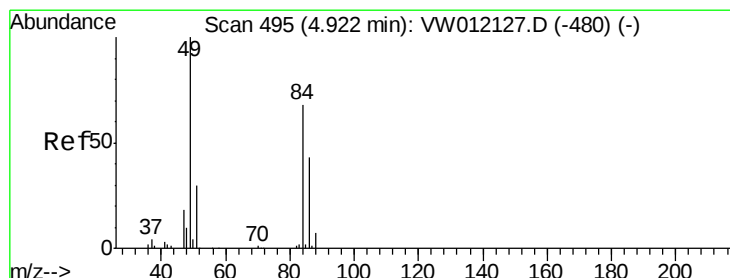
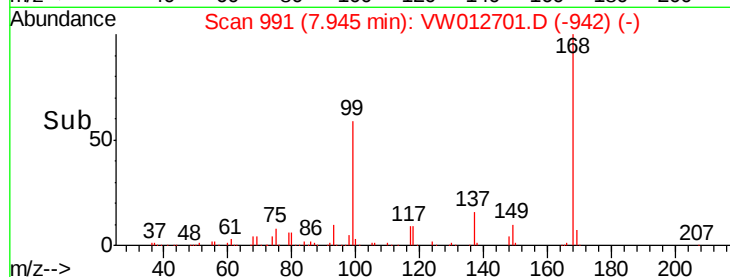
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 5.683 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012701.D

Acq: 06 Sep 2019 20:24

Tgt Ion: 84 Resp: 16813

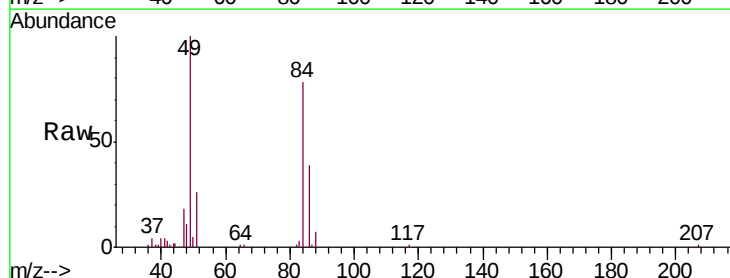
Ion Ratio Lower Upper

84 100

49 127.6 117.8 176.8

51 32.8 35.6 53.4#

86 49.4 51.2 76.8#



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.90

10000

8000

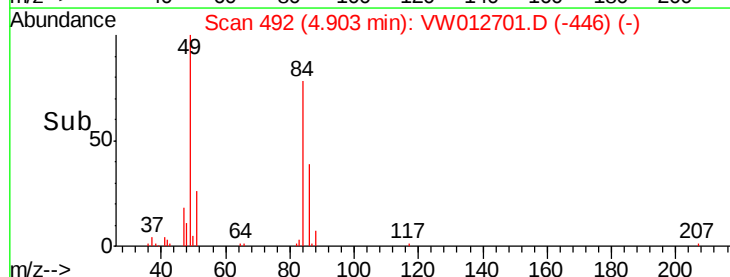
6000

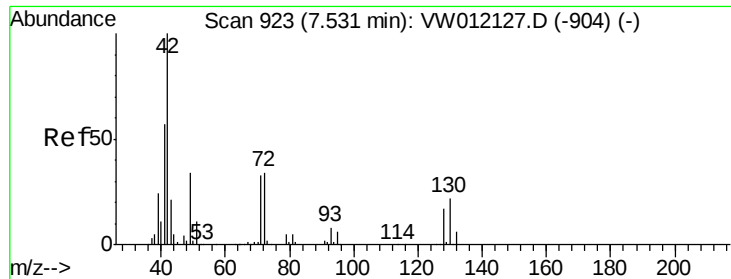
4000

2000

0

Time--> 4.80 4.90 5.00

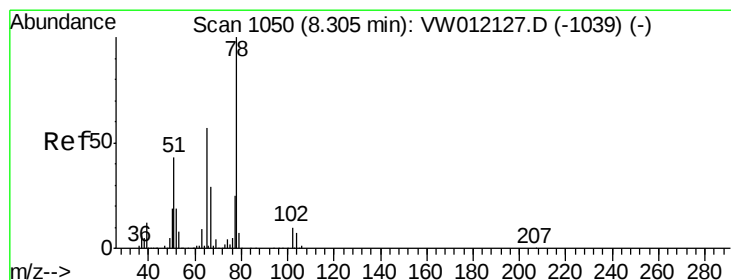
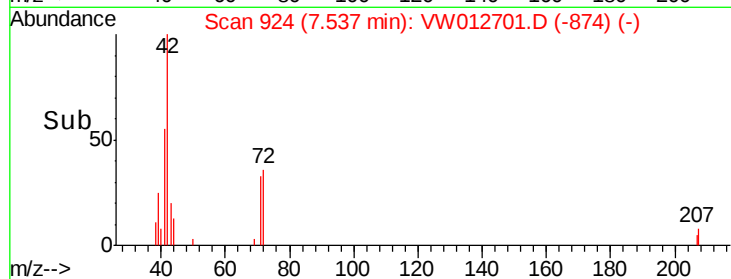
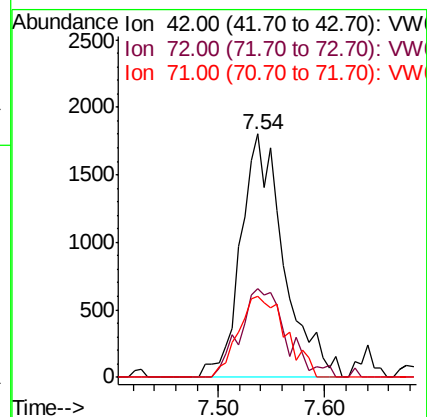
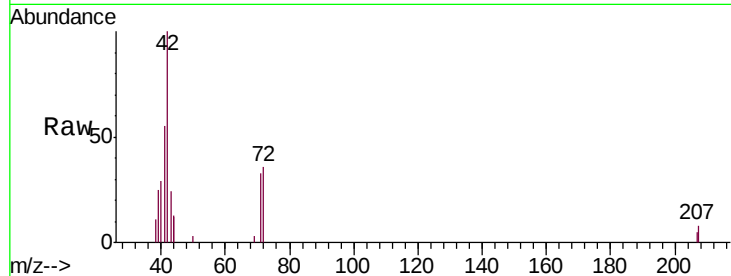




#29
Tetrahydrofuran
Concen: 8.009 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012701.D
Acq: 06 Sep 2019 20:24

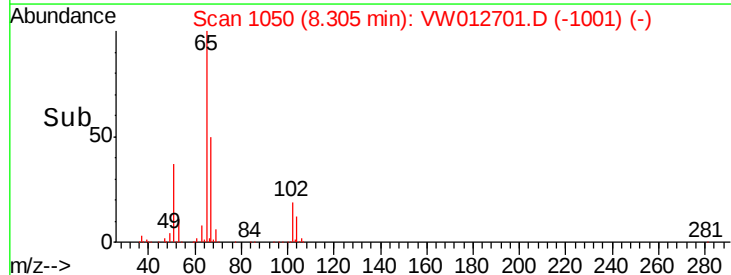
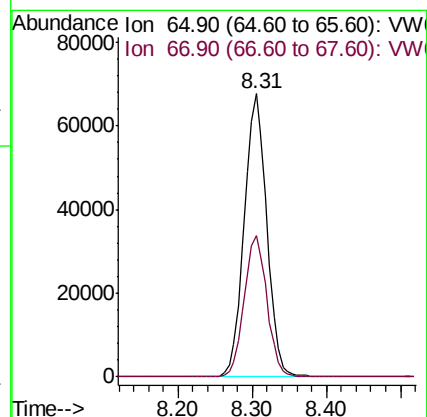
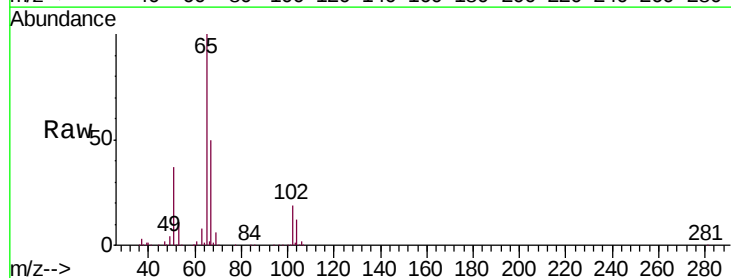
Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(0)

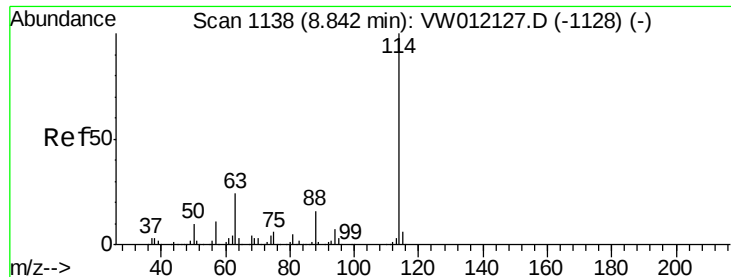
Tgt Ion: 42 Resp: 5110
Ion Ratio Lower Upper
42 100
72 39.3 27.3 40.9
71 36.6 25.5 38.3



#33
1,2-Dichloroethane-d4
Concen: 47.127 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012701.D
Acq: 06 Sep 2019 20:24

Tgt Ion: 65 Resp: 144278
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.6

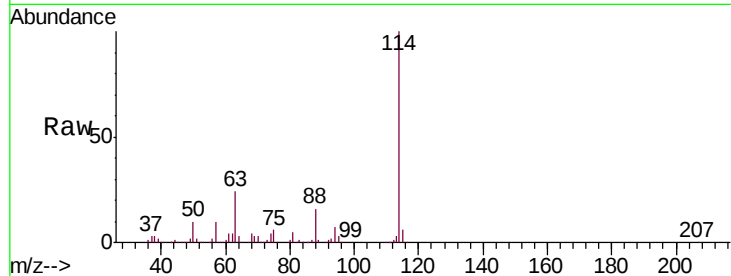




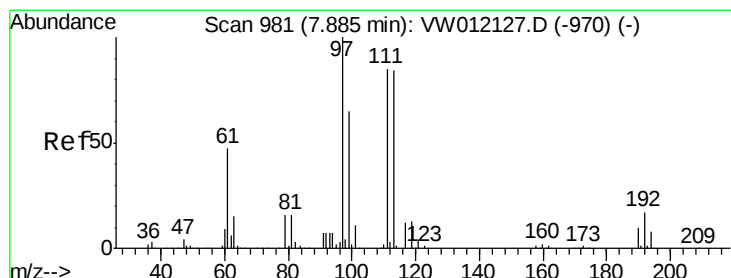
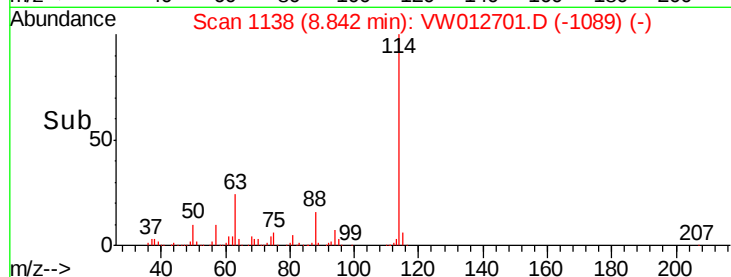
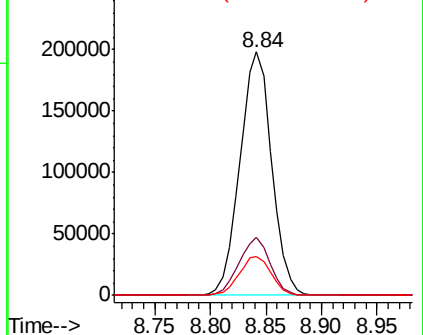
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012701.D
 Acq: 06 Sep 2019 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D3-(0)

Tgt Ion:114 Resp: 392412
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 16.1 0.0 32.2

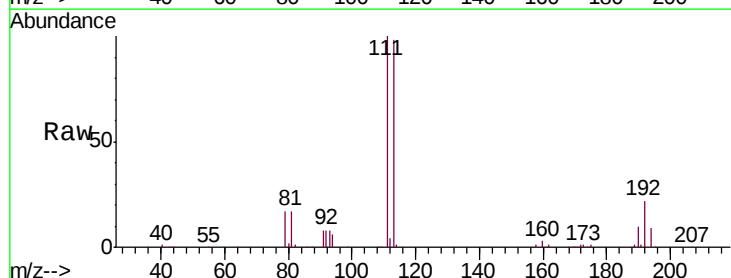


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

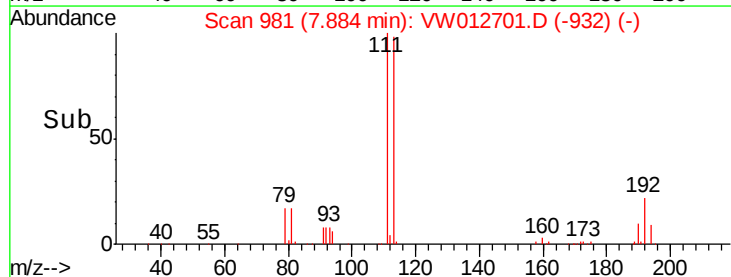
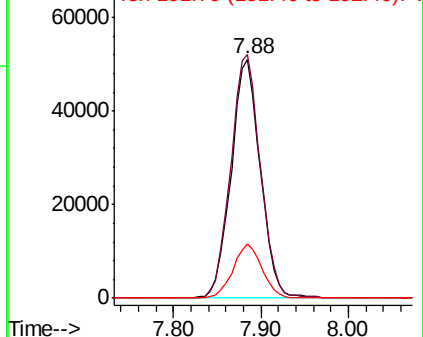


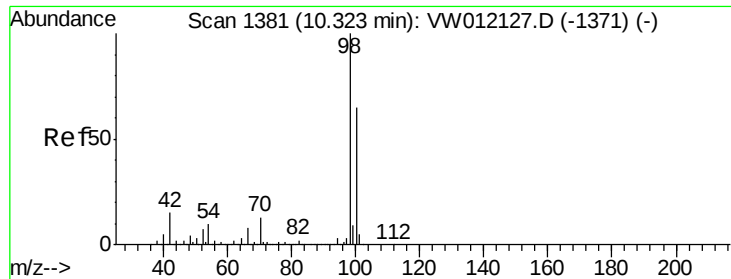
#35
 Dibromofluoromethane
 Concen: 50.516 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012701.D
 Acq: 06 Sep 2019 20:24

Tgt Ion:113 Resp: 118324
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.7 124.1
 192 22.4 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: 49.855 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012701.D

Acq: 06 Sep 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

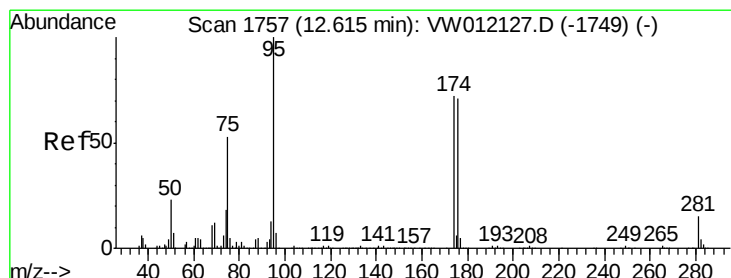
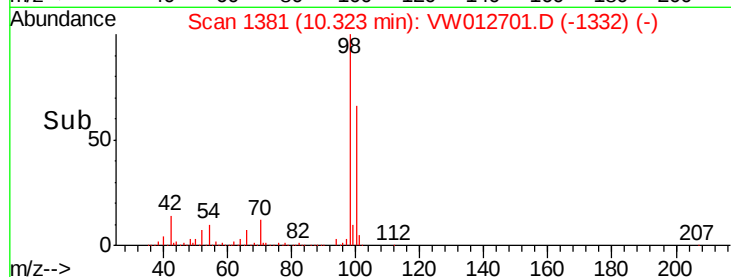
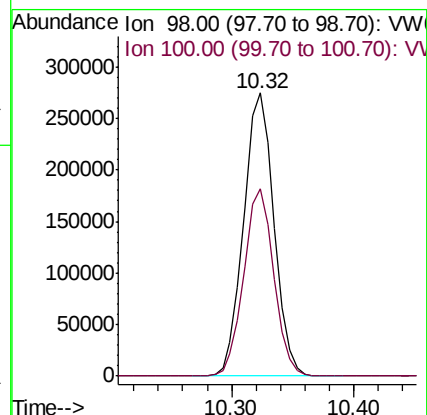
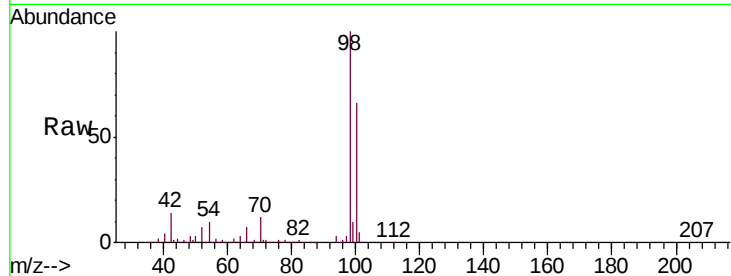
T12-D3-(0)

Tgt Ion: 98 Resp: 473495

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 42.094 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012701.D

Acq: 06 Sep 2019 20:24

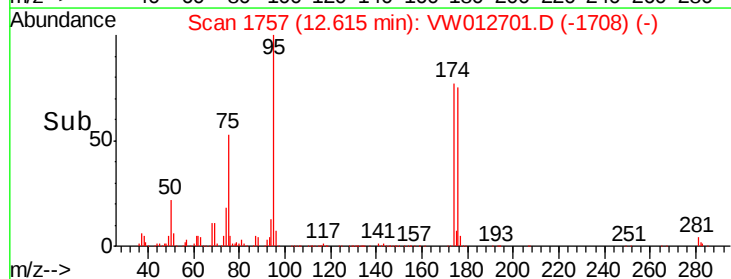
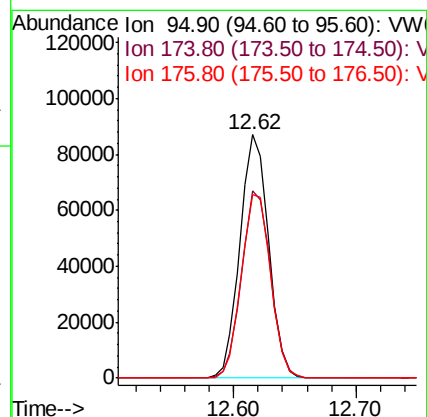
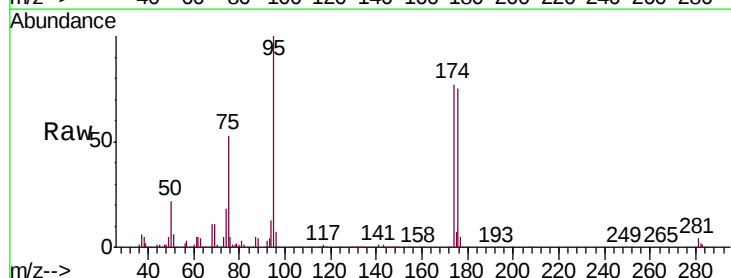
Tgt Ion: 95 Resp: 140924

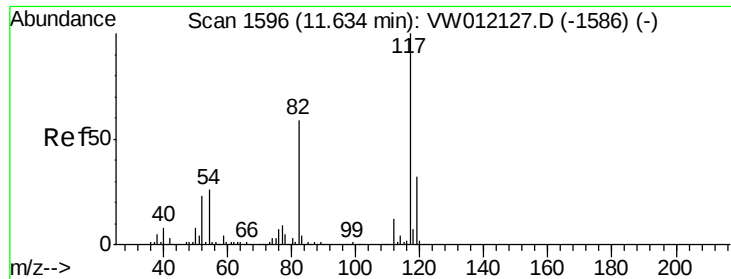
Ion Ratio Lower Upper

95 100

174 78.1 0.0 150.8

176 77.5 0.0 148.6

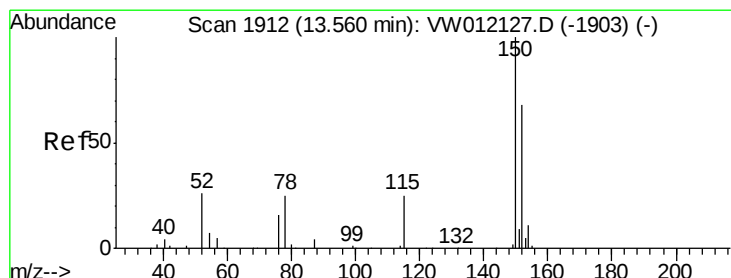
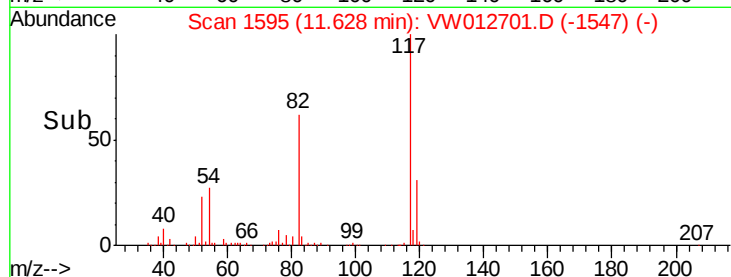
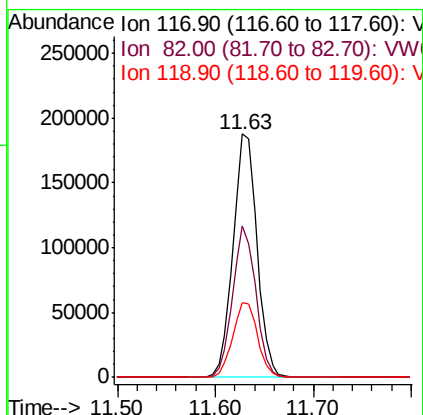
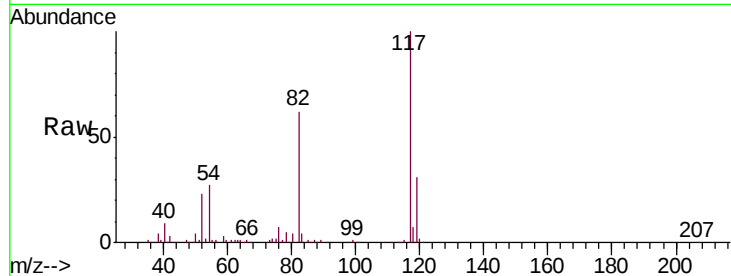




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012701.D
Acq: 06 Sep 2019 20:24

Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(0)

Tgt Ion:117 Resp: 319096
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 30.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012701.D
Acq: 06 Sep 2019 20:24

Tgt Ion:152 Resp: 113884
Ion Ratio Lower Upper
152 100
115 59.4 30.1 90.3
150 158.6 0.0 345.8

