

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082219\
 Data File : VW012108.D
 Acq On : 22 Aug 2019 14:08
 Operator : SY/VA
 Sample : K4343-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OAK-UST-SOIL

Quant Time: Aug 23 08:38:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

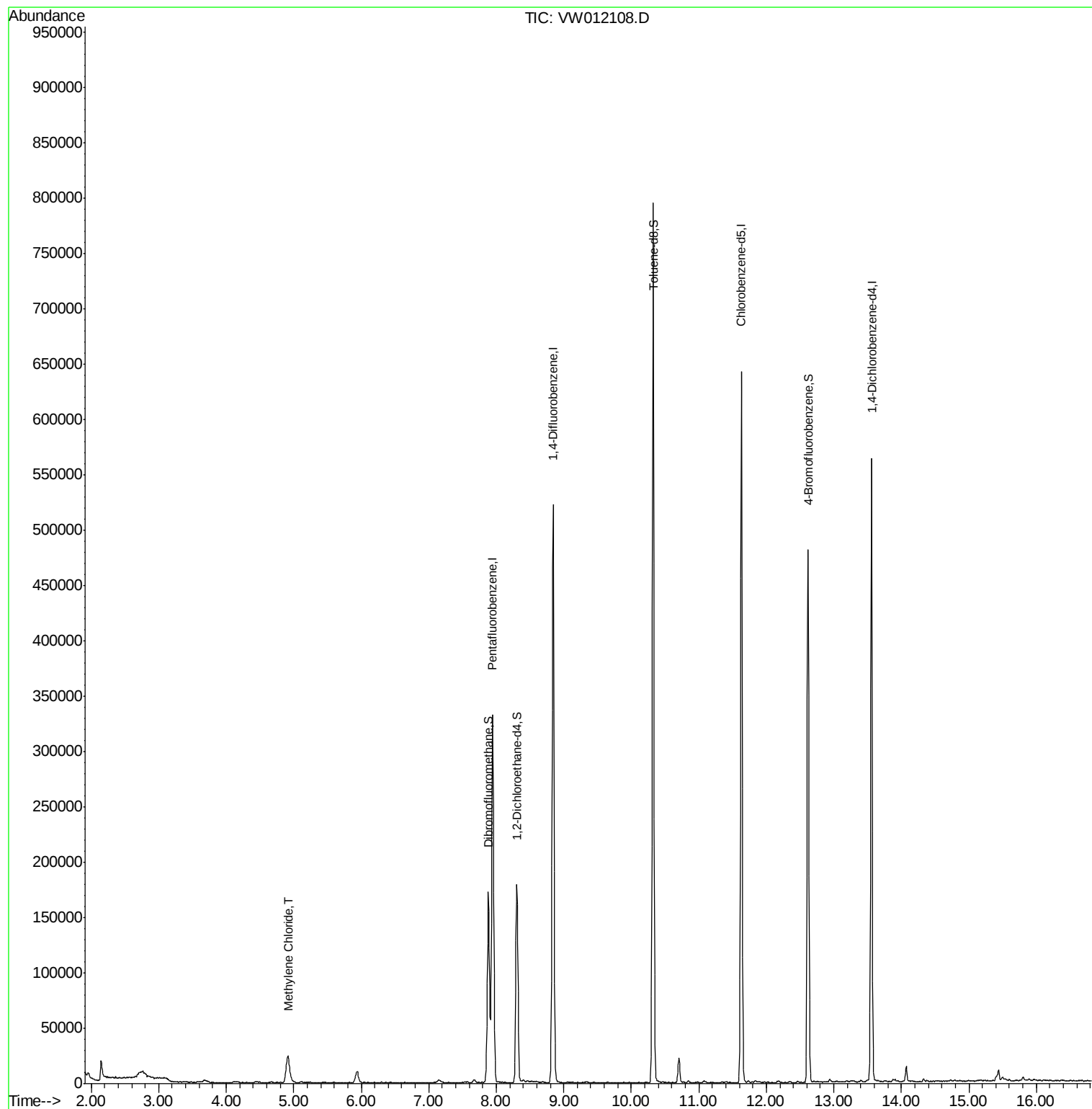
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139907	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144341	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
35) Dibromofluoromethane	7.88	113	120233	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
50) Toluene-d8	10.32	98	491190	52.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.62	95	156803	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
Target Compounds						
20) Methylene Chloride	4.91	84	19069	6.197	ug/l	Qvalue 93

(#) = 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

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

Instrument :

MSVOA_W

ClientSampleId :

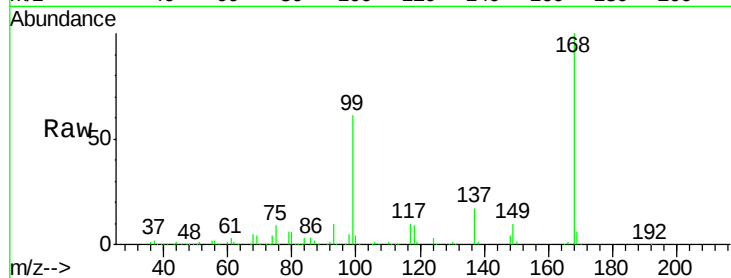
OAK-UST-SOIL

Tot Ion:168 Resp: 244253

Ion Ratio Lower Upper

168 100

99 60.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

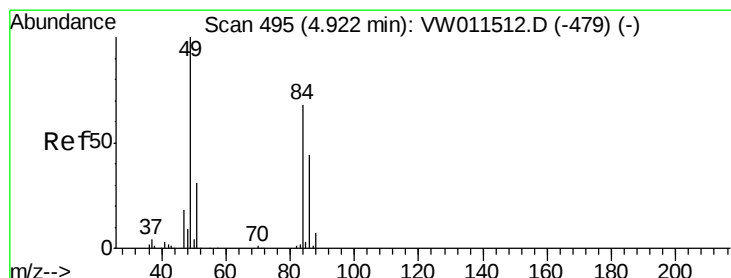
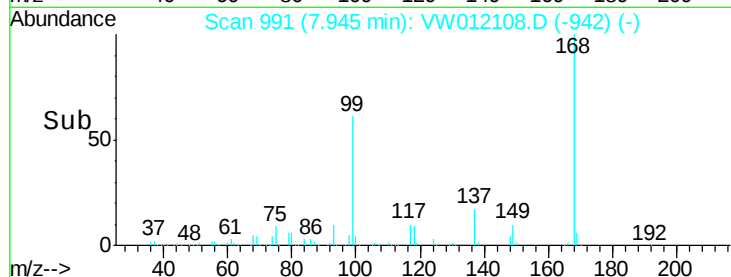
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 6.197 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

Tgt Ion: 84 Resp: 19069

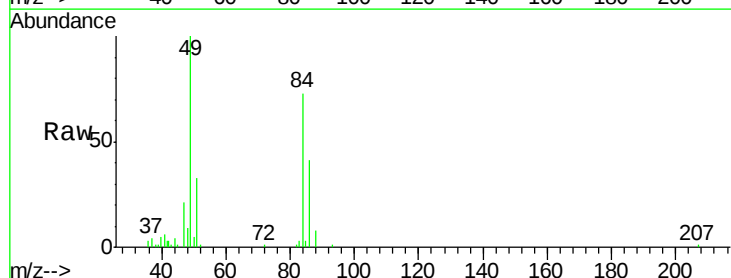
Ion Ratio Lower Upper

84 100

49 137.3 117.8 176.6

51 45.9 37.0 55.4

86 55.9 51.8 77.8



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

12000

10000

8000

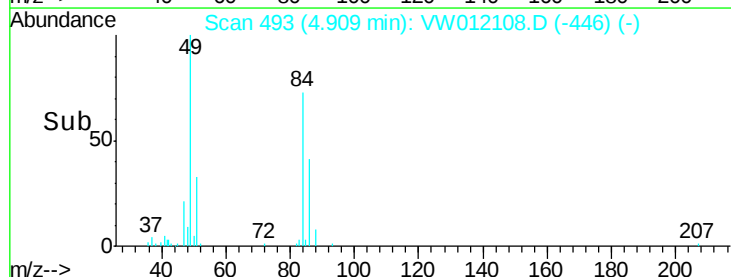
6000

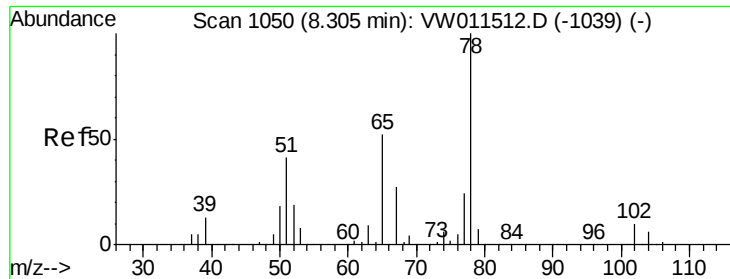
4000

2000

0

Time--> 4.80 4.90 5.00 5.10

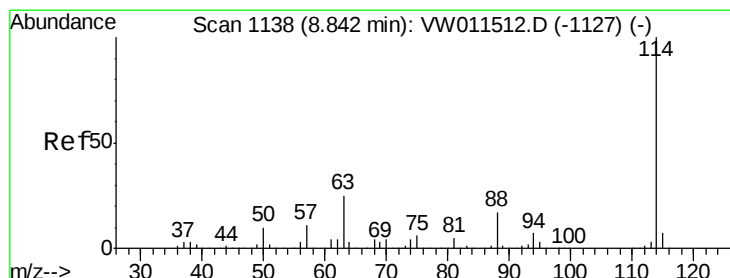
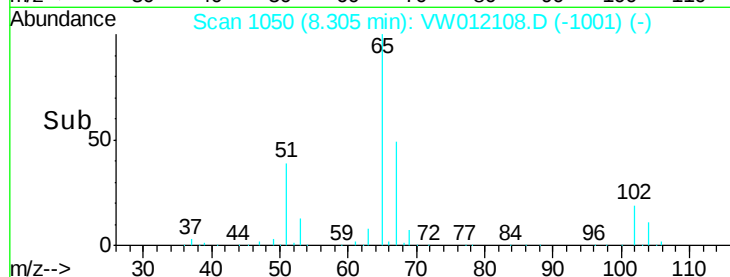
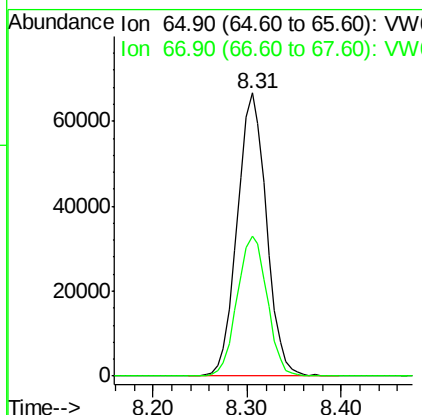
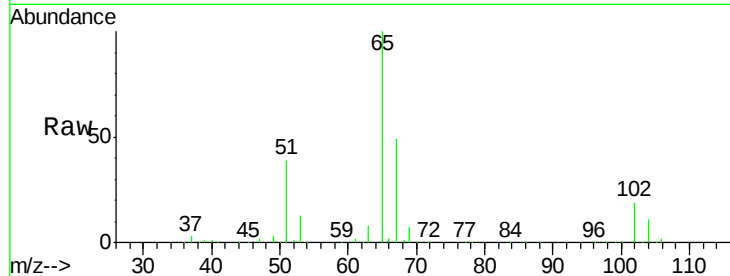




#33
 1,2-Dichloroethane-d4
 Concen: 51.464 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012108.D
 Acq: 22 Aug 2019 14:08

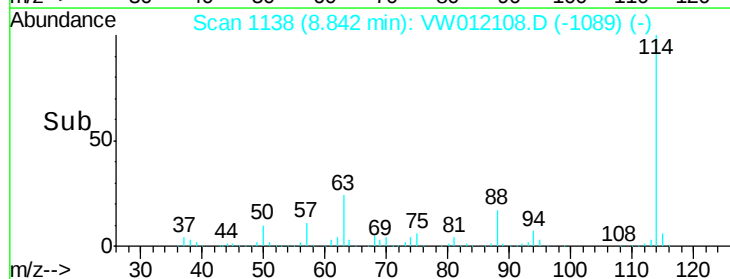
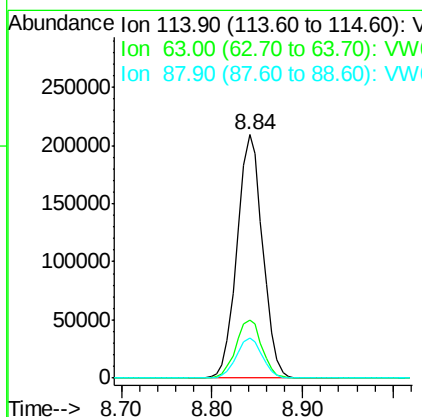
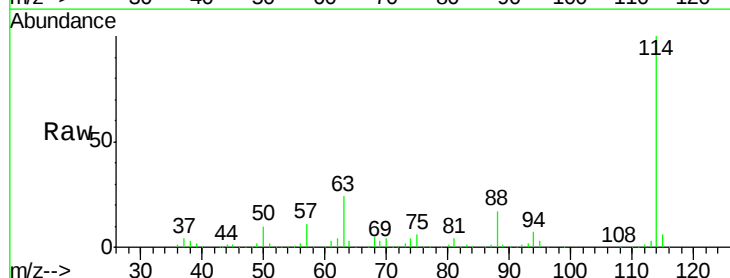
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 OAK-UST-SOIL

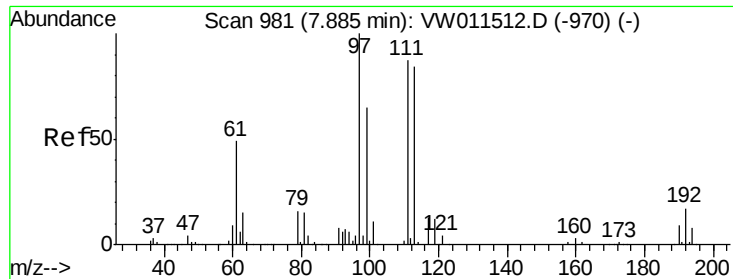
Tot Ion: 65 Resp: 144341
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012108.D
 Acq: 22 Aug 2019 14:08

Tgt Ion: 114 Resp: 408074
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.7 0.0 33.8

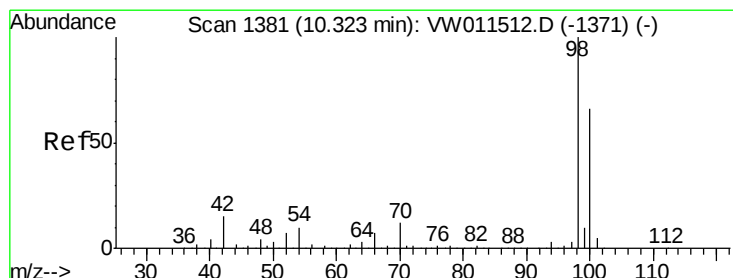
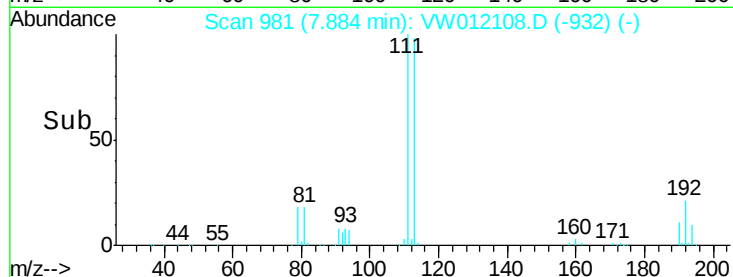
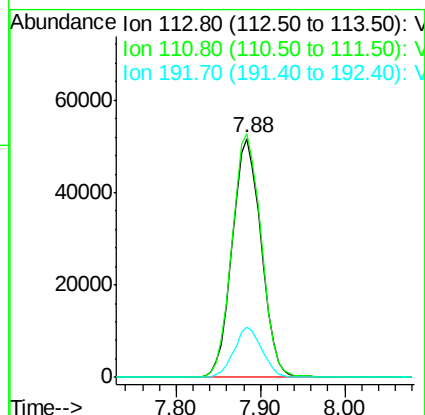
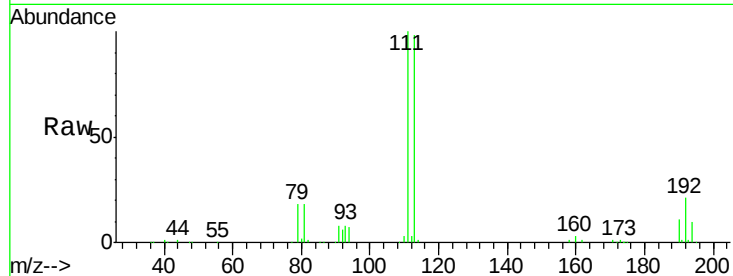




#35
 Dibromofluoromethane
 Concen: 52.518 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012108.D
 Acq: 22 Aug 2019 14:08

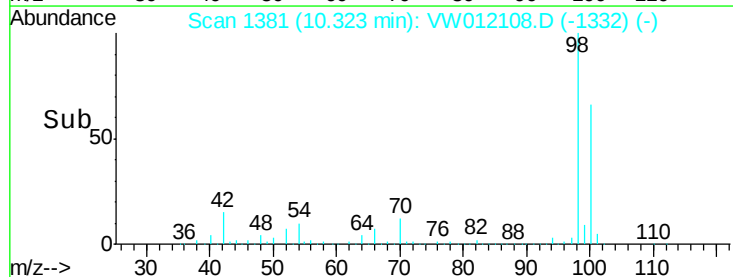
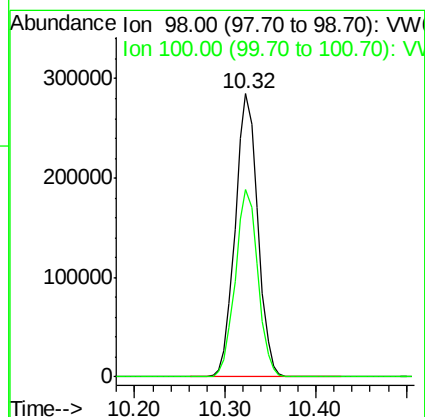
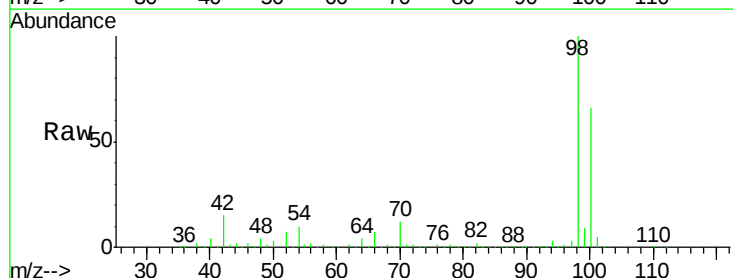
Instrument :
 MSVOA_W
 ClientSampleId :
 OAK-UST-SOIL

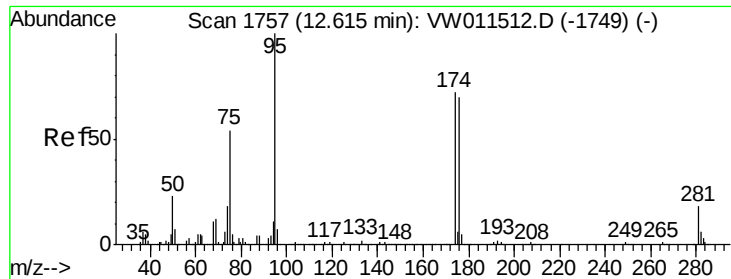
Tot Ion:113 Resp: 120233
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 20.3 16.1 24.1



#50
 Toluene-d8
 Concen: 52.403 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012108.D
 Acq: 22 Aug 2019 14:08

Tgt Ion: 98 Resp: 491190
 Ion Ratio Lower Upper
 98 100
 100 66.3 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 46.922 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

Instrument :

MSVOA_W

ClientSampleId :

OAK-UST-SOIL

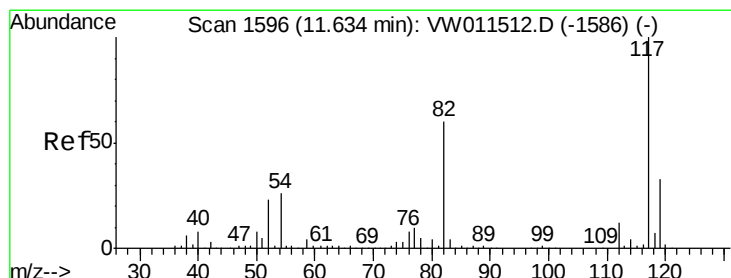
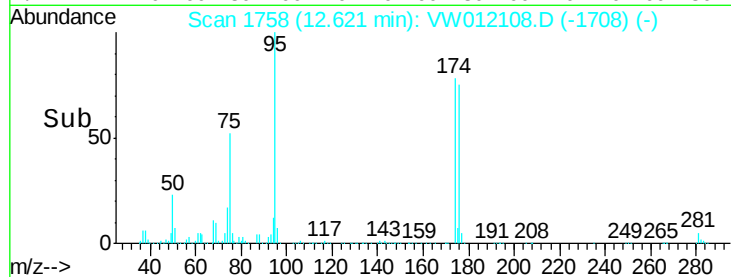
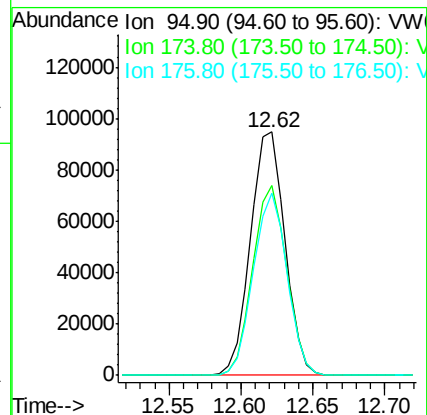
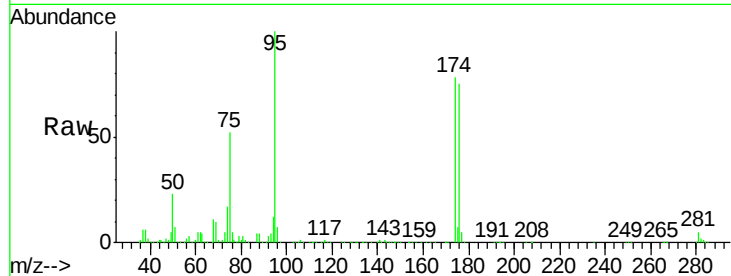
Tot Ion: 95 Resp: 156803

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.2

176 73.3 0.0 144.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

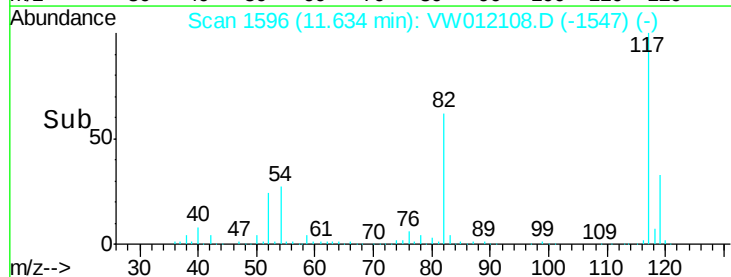
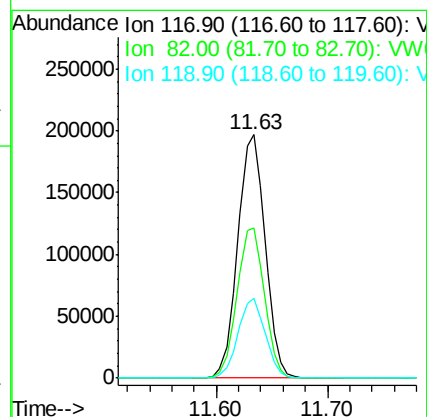
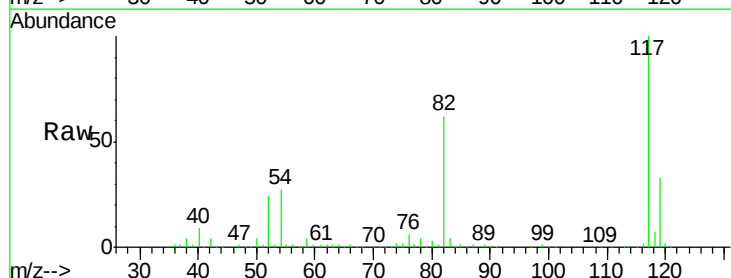
Tgt Ion: 117 Resp: 335078

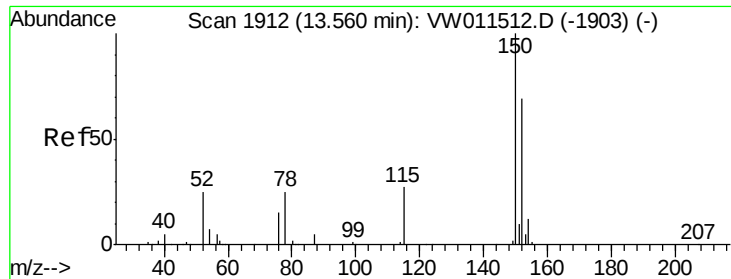
Ion Ratio Lower Upper

117 100

82 61.8 47.9 71.9

119 33.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

Instrument :

MSVOA_W

ClientSampleId :

OAK-UST-SOIL

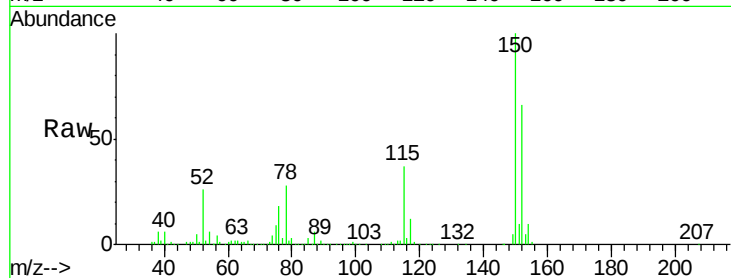
Tot Ion:152 Resp: 139907

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

150 154.2 0.0 352.6



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

