

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 07:59:56 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

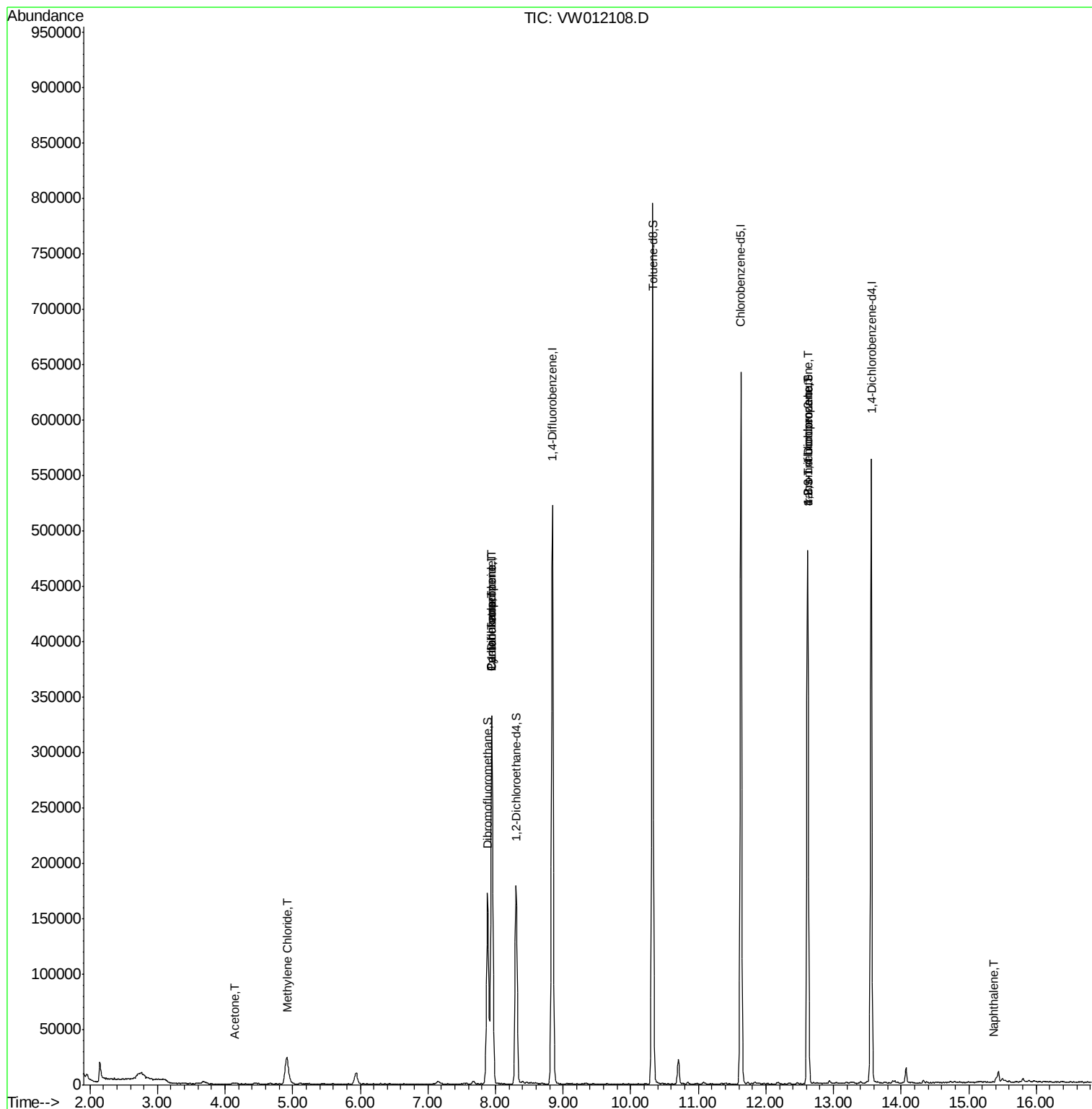
						Qvalue
11) Tert butyl alcohol	5.17	59	95	Below Cal	#	8
16) Acetone	4.15	43	2045	2.292	ug/l	94
20) Methylene Chloride	4.91	84	19069	6.197	ug/l	93
31) Cyclohexane	7.94	56	6373	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21080	4.968	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24007	6.609	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	83593	56.467	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83593	130.138	ug/l #	6
95) Naphthalene	15.37	128	454	2.145	ug/l #	69

(#) = 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 :

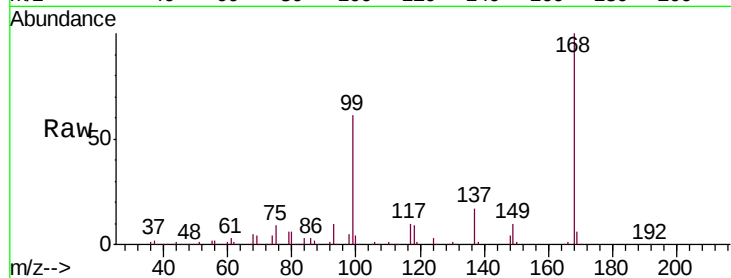
OAK-UST-SOIL

Tgt 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

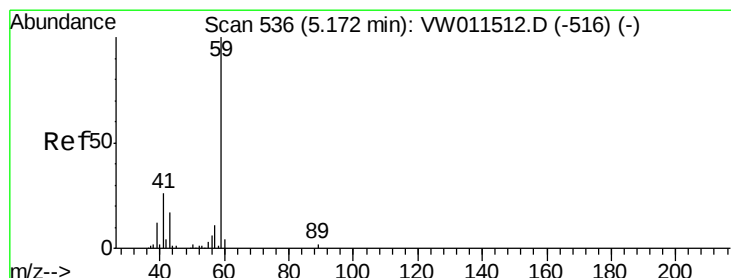
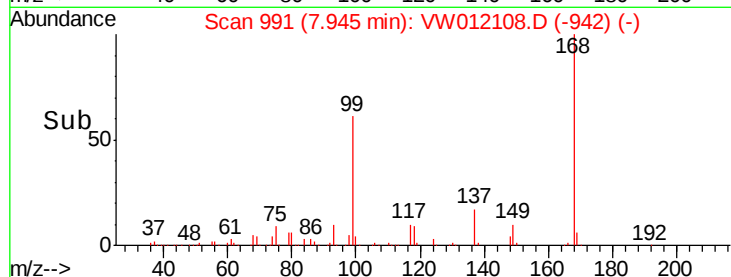
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012108.D

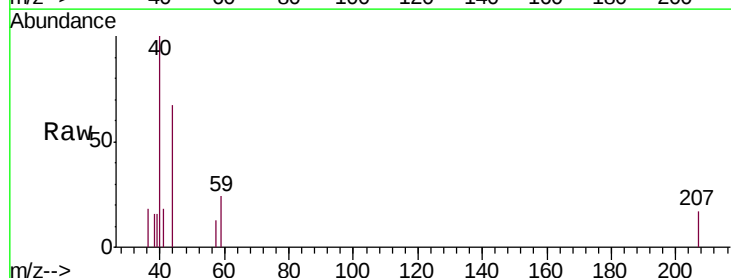
Acq: 22 Aug 2019 14:08

Tgt Ion: 59 Resp: 95

Ion Ratio Lower Upper

59 100

57 45.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

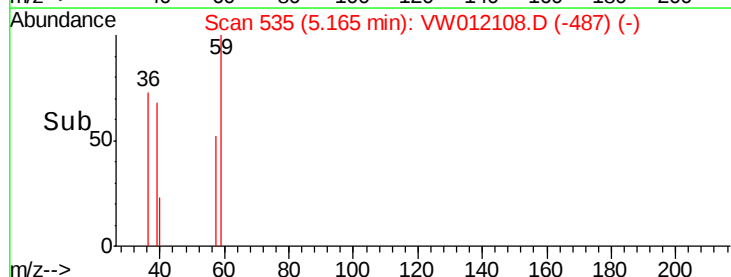
150

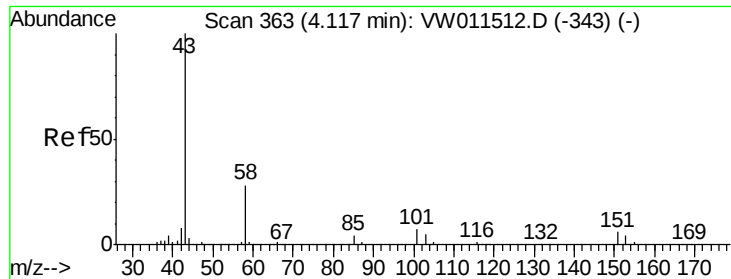
100

50

0

Time--> 5.16 5.17 5.18





#16

Acetone

Concen: 2.292 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

Instrument :

MSVOA_W

ClientSampleId :

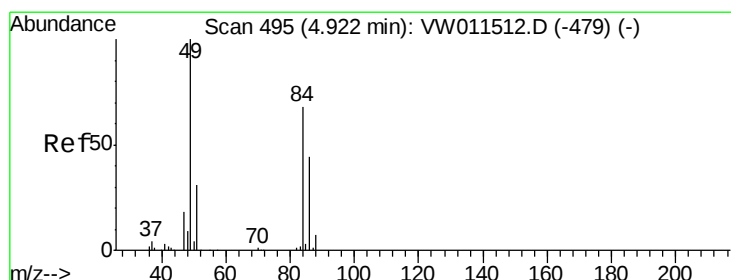
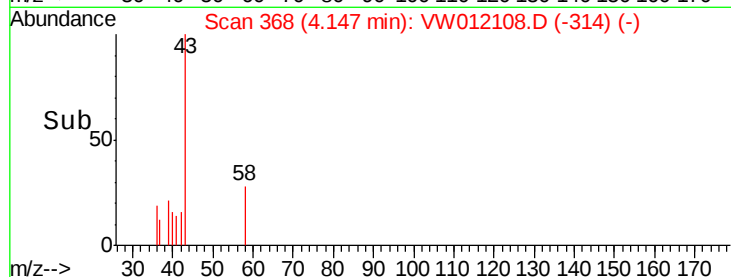
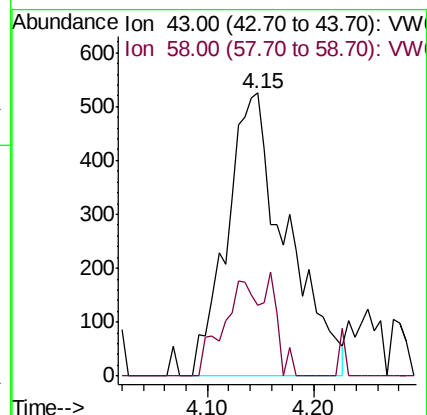
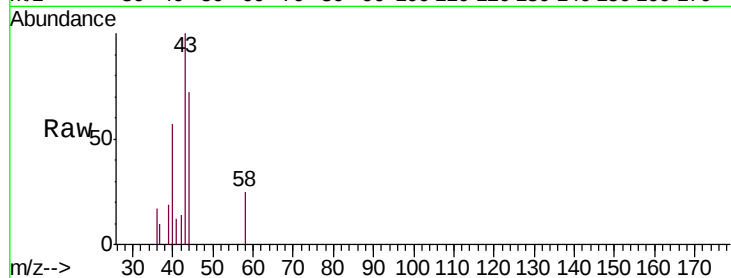
OAK-UST-SOIL

Tgt Ion: 43 Resp: 2045

Ion Ratio Lower Upper

43 100

58 25.0 22.3 33.5



#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

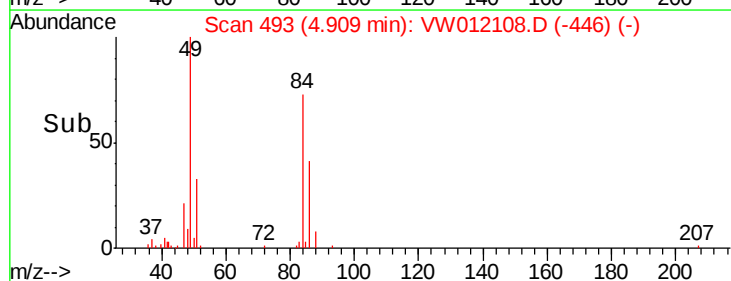
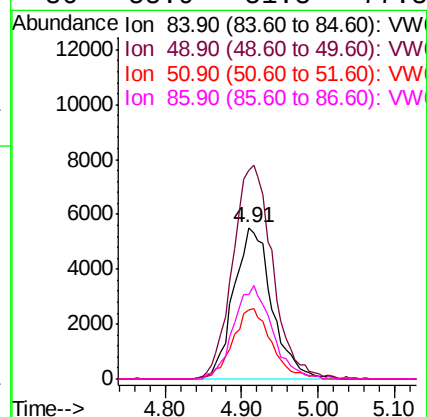
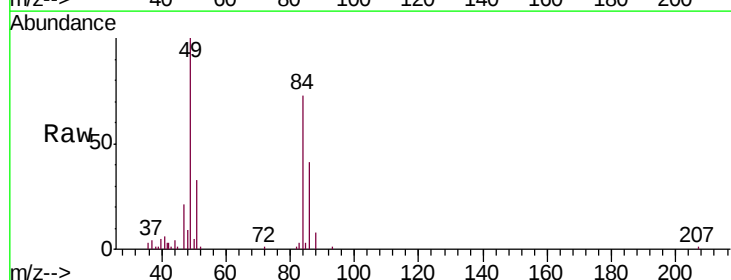
Ion Ratio Lower Upper

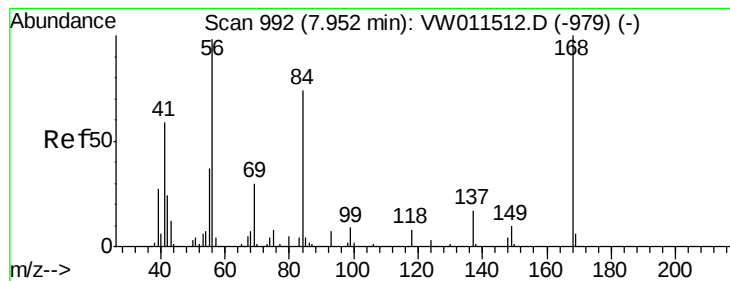
84 100

49 137.3 117.8 176.6

51 45.9 37.0 55.4

86 55.9 51.8 77.8





#31

Cyclohexane

Concen: 1.215 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

Instrument :

MSVOA_W

ClientSampleId :

OAK-UST-SOIL

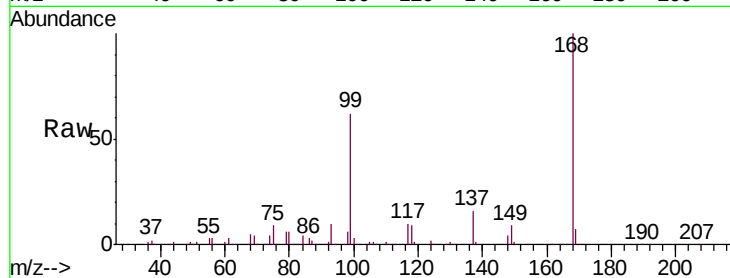
Tgt Ion: 56 Resp: 6373

Ion Ratio Lower Upper

56 100

69 155.8 24.3 36.5#

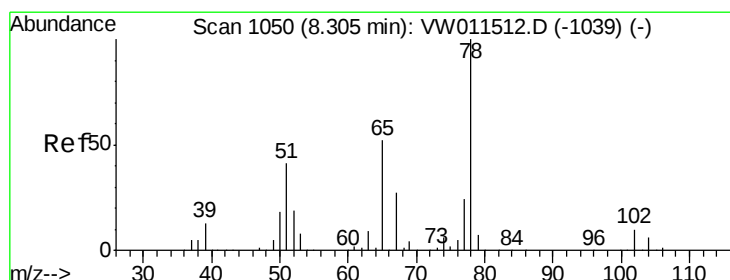
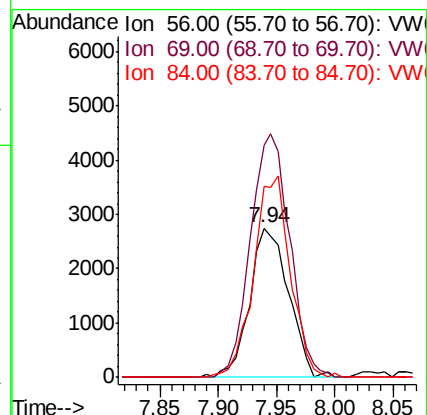
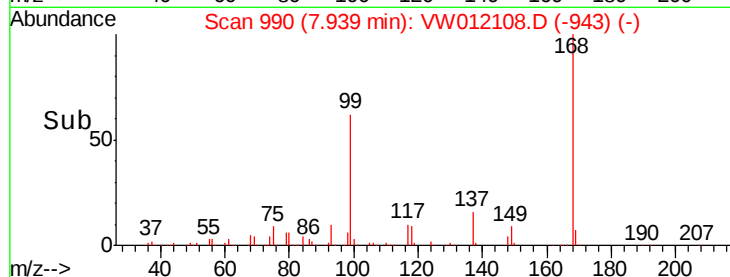
84 128.3 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#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

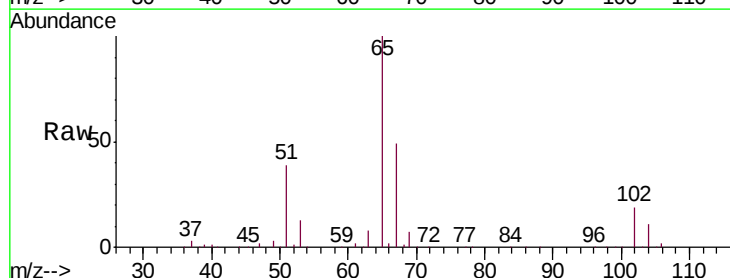
Acq: 22 Aug 2019 14:08

Tgt Ion: 65 Resp: 144341

Ion Ratio Lower Upper

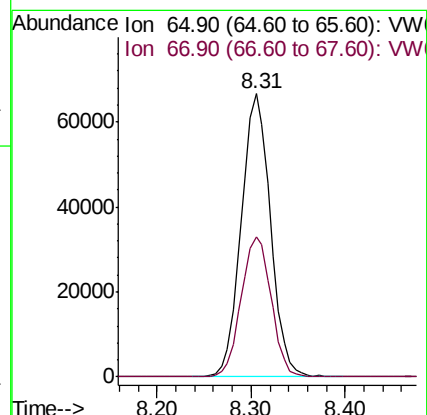
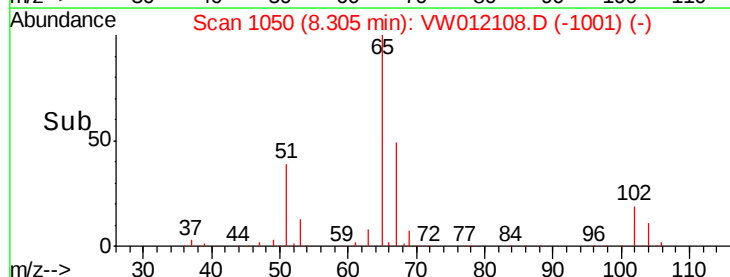
65 100

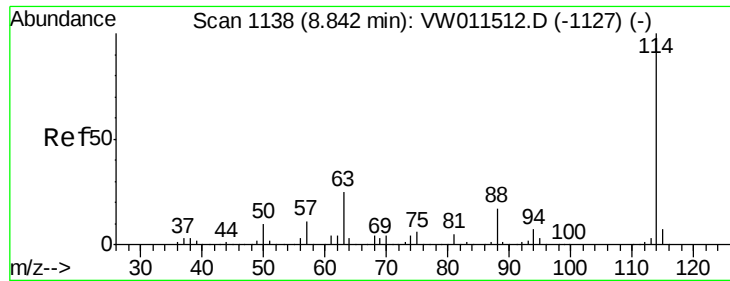
67 50.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

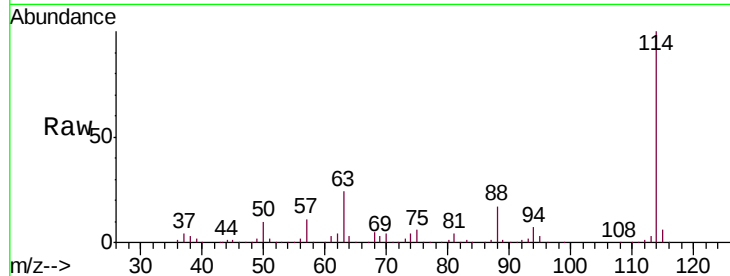




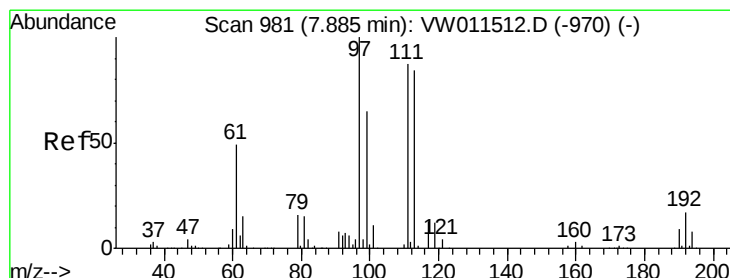
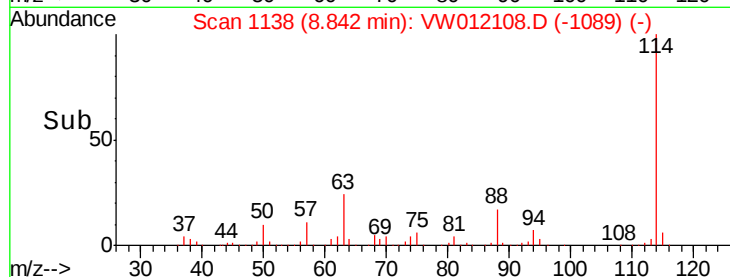
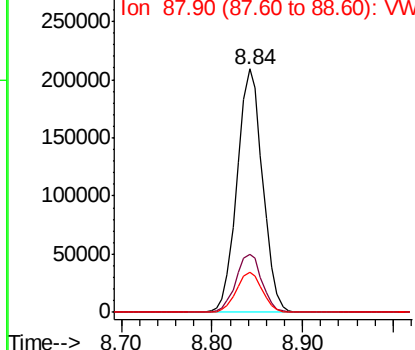
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012108.D
 Acq: 22 Aug 2019 14:08

Instrument :
 MSVOA_W
 ClientSampled :
 OAK-UST-SOIL

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

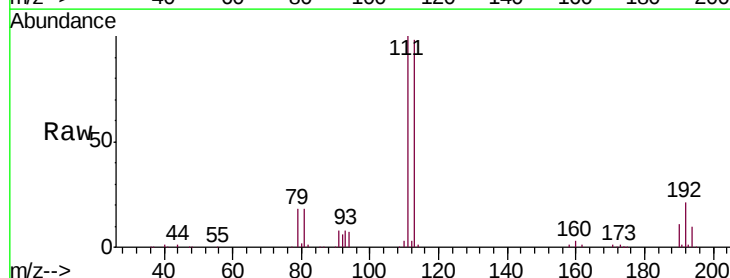


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

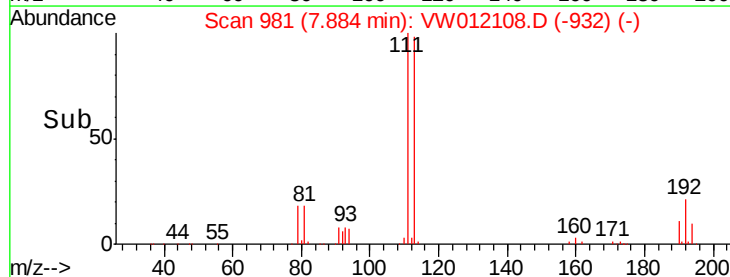
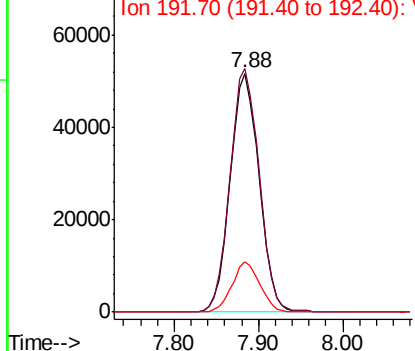


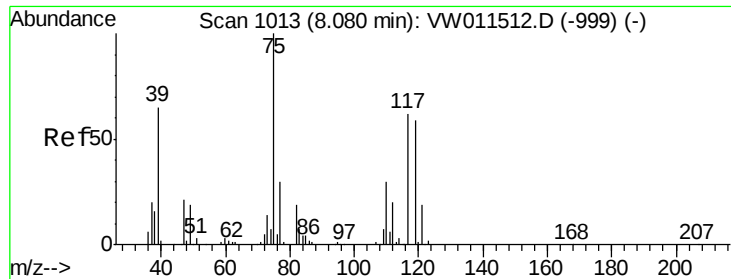
#35
 Dibromofluoromethane
 Concen: 52.518 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012108.D
 Acq: 22 Aug 2019 14:08

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



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

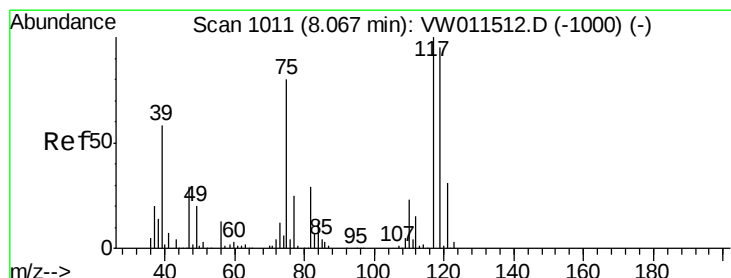
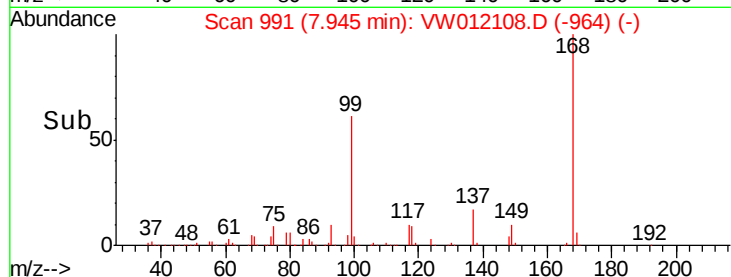
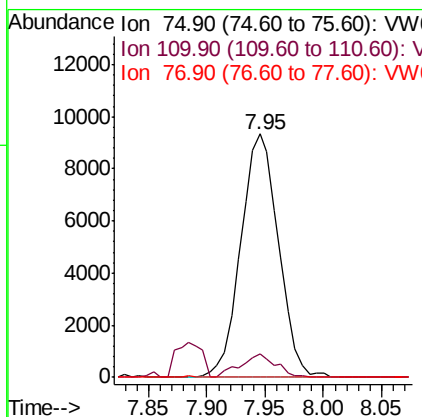
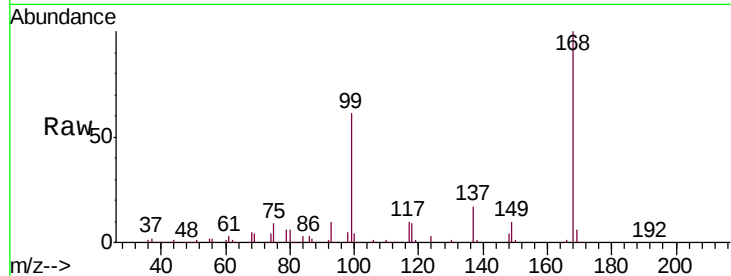




#36
 1,1-Dichloropropene
 Concen: 4.968 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012108.D
 Acq: 22 Aug 2019 14:08

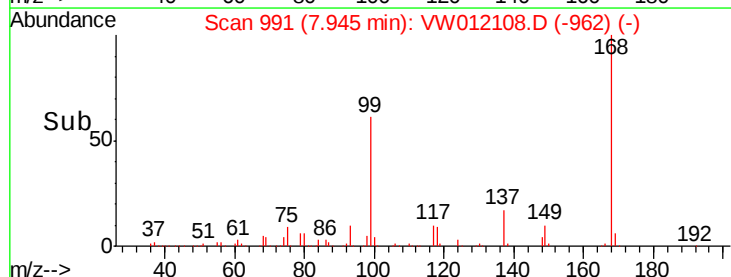
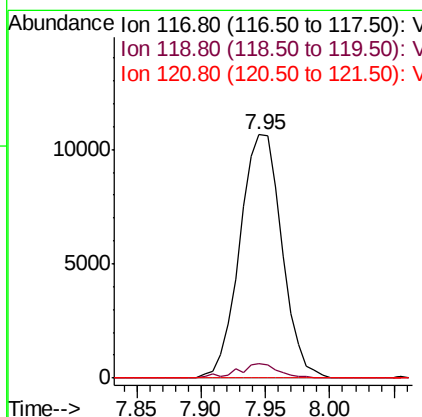
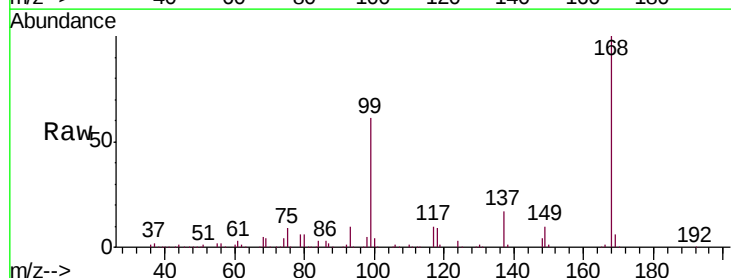
Instrument :
 MSVOA_W
 ClientSampleId :
 OAK-UST-SOIL

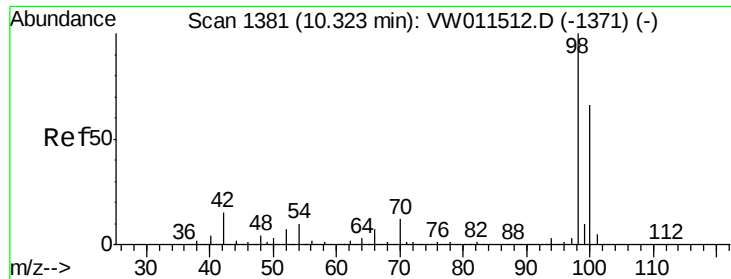
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.609 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012108.D
 Acq: 22 Aug 2019 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.8	113.6#
121	0.0	24.7	37.1#

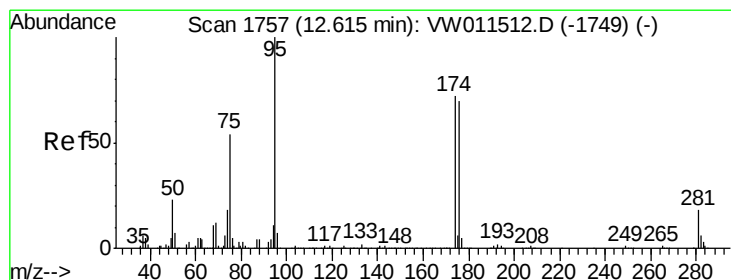
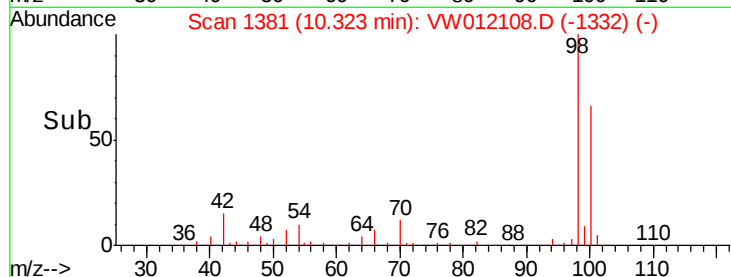
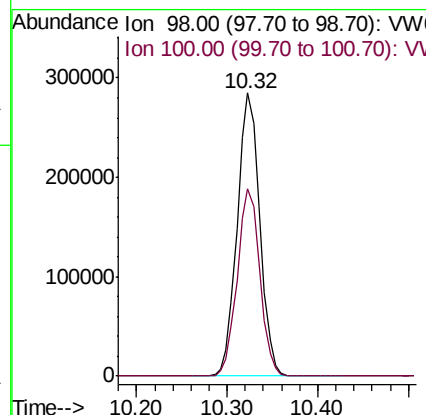
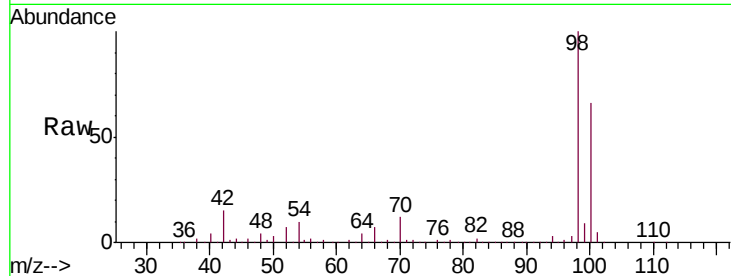




#50
Toluene-d8
Concen: 52.403 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012108.D
Acq: 22 Aug 2019 14:08

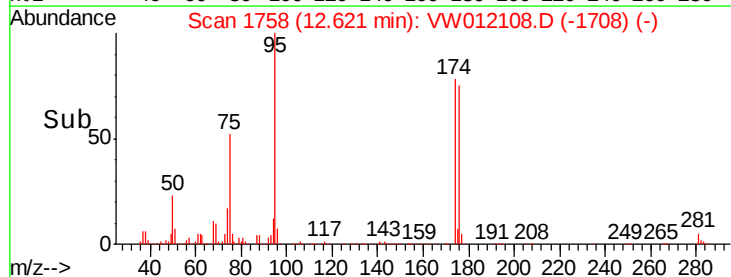
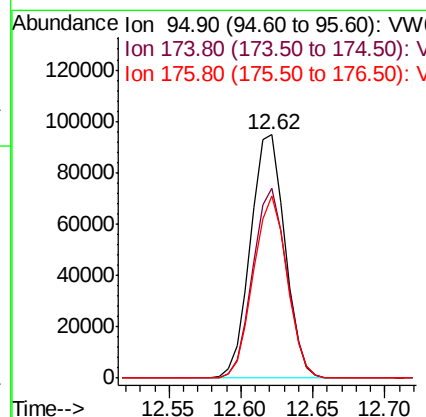
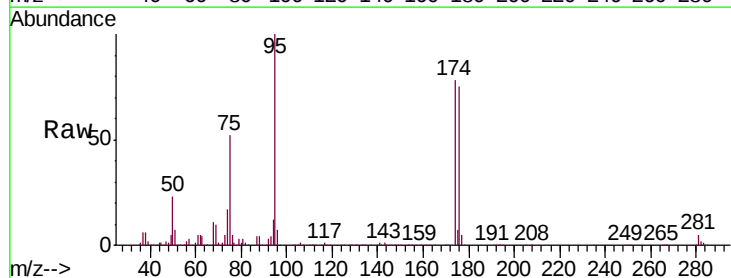
Instrument :
MSVOA_W
ClientSampleId :
OAK-UST-SOIL

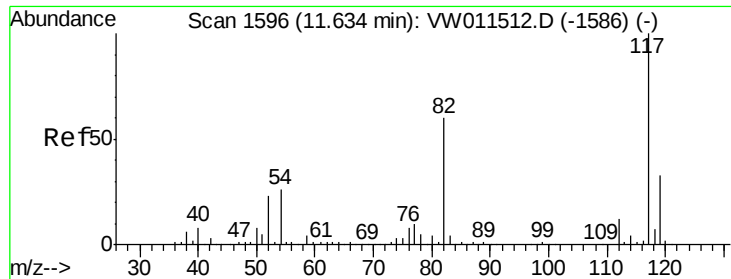
Tgt Ion: 98 Resp: 491190
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1



#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

Tgt Ion: 95 Resp: 156803
Ion Ratio Lower Upper
95 100
174 76.9 0.0 150.2
176 73.3 0.0 144.4

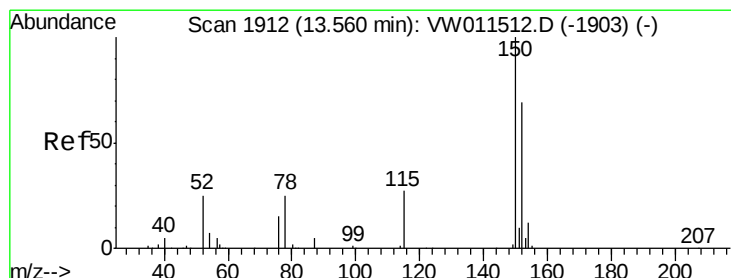
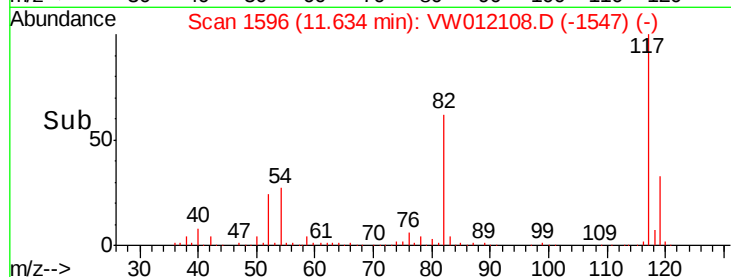
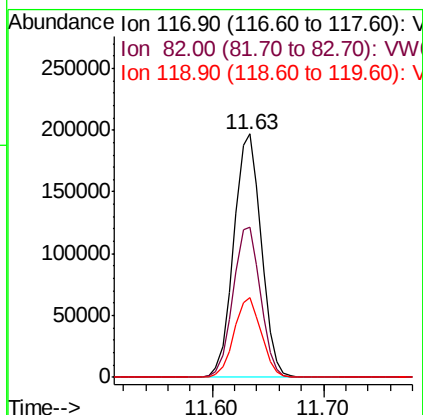
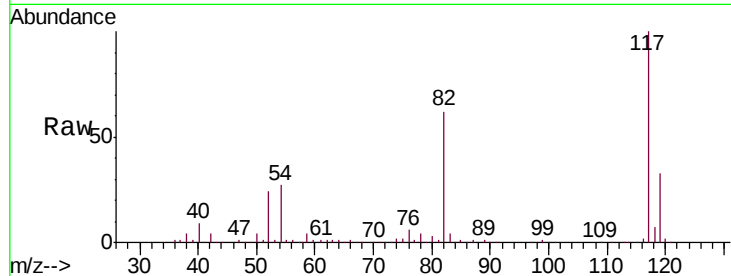




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012108.D
Acq: 22 Aug 2019 14:08

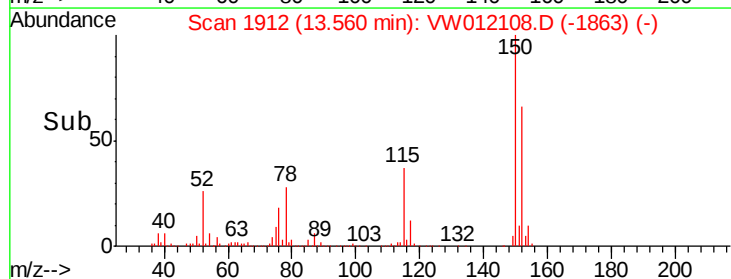
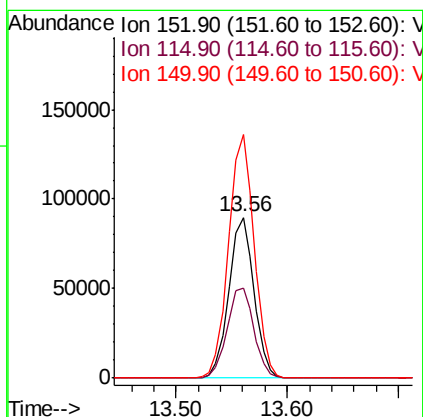
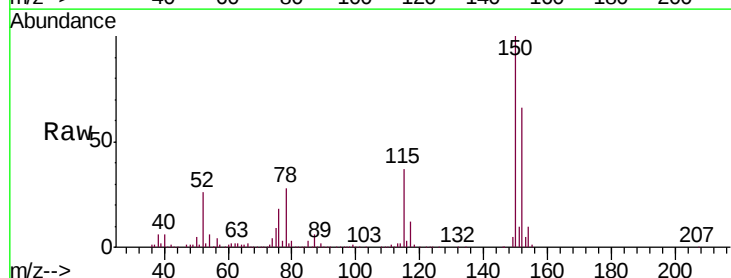
Instrument :
MSVOA_W
ClientSampleId :
OAK-UST-SOIL

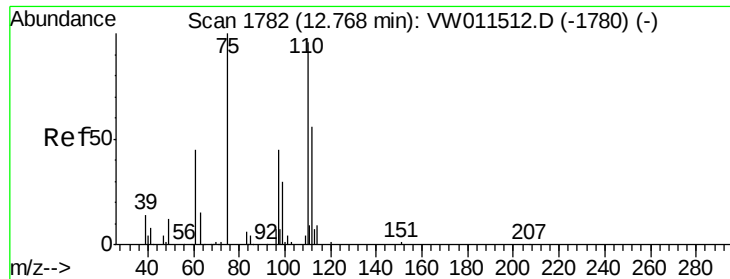
Tgt Ion:117 Resp: 335078
Ion Ratio Lower Upper
117 100
82 61.8 47.9 71.9
119 33.0 26.2 39.2



#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

Tgt Ion:152 Resp: 139907
Ion Ratio Lower Upper
152 100
115 59.5 30.5 91.5
150 154.2 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 56.467 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

Instrument :

MSVOA_W

ClientSampleId :

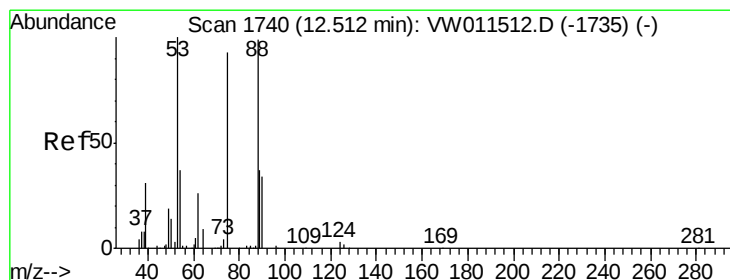
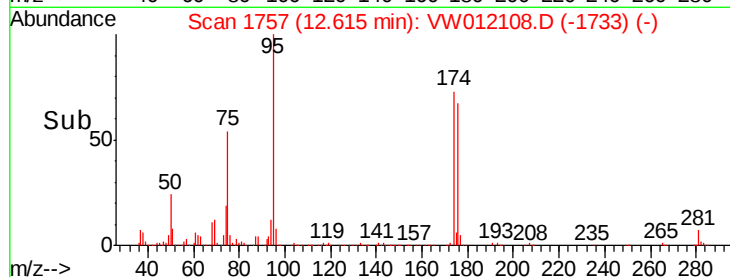
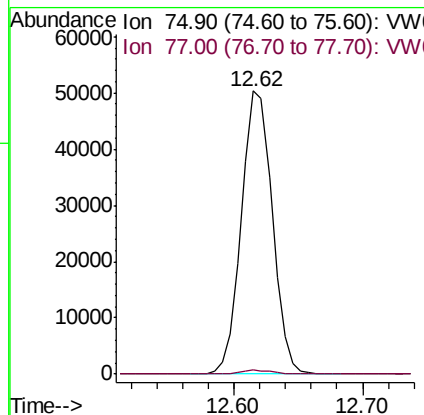
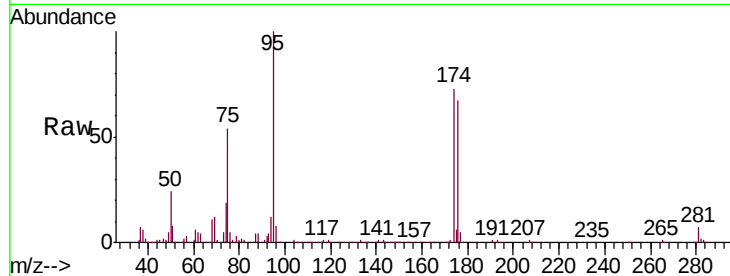
OAK-UST-SOIL

Tgt Ion: 75 Resp: 83593

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.138 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012108.D

Acq: 22 Aug 2019 14:08

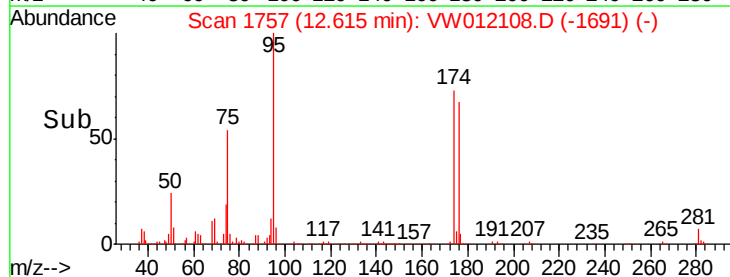
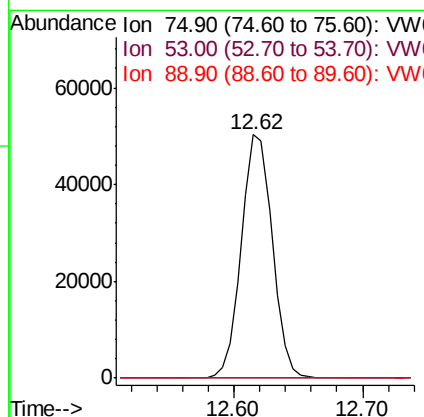
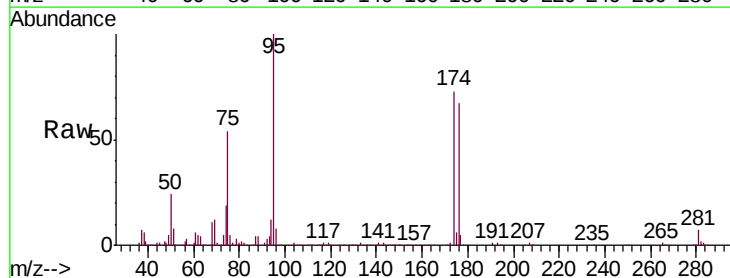
Tgt Ion: 75 Resp: 83593

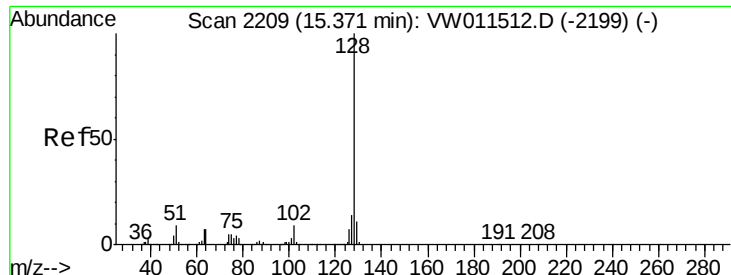
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.2 35.3 52.9#





#95
Naphthalene
Concen: 2.145 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012108.D
Acq: 22 Aug 2019 14:08

Instrument :
MSVOA_W
ClientSampleId :
OAK-UST-SOIL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

