

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011211.D
 Acq On : 11 Jul 2019 01:24
 Operator : SY/VA
 Sample : K3751-03
 Misc : 6.52G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUCT-BANK-TEST-PIT

Quant Time: Jul 11 08:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

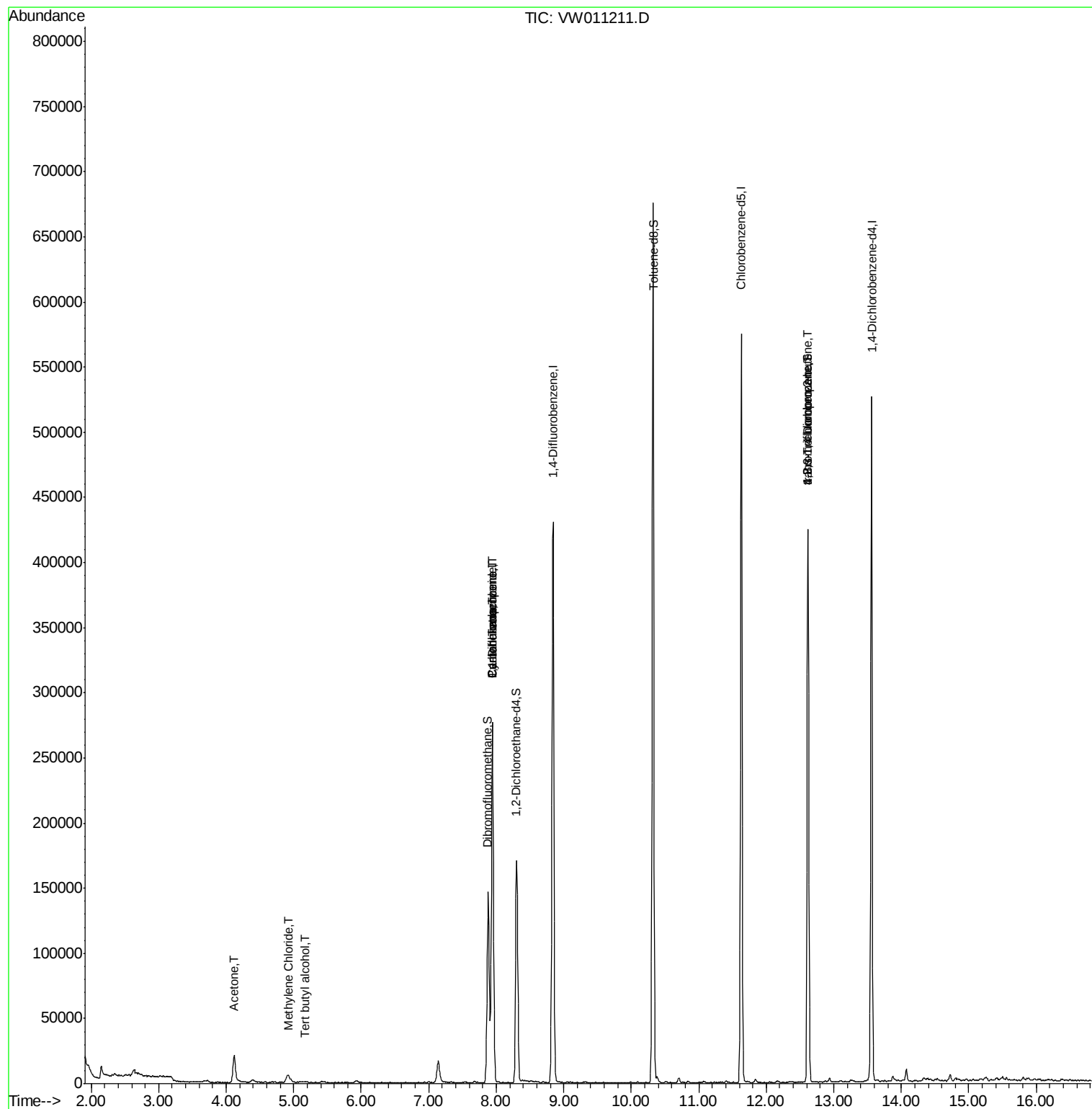
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124368	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136120	55.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.22%	
35) Dibromofluoromethane	7.88	113	103285	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
50) Toluene-d8	10.32	98	424259	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	141103	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	999	5.463	ug/l #	78
16) Acetone	4.12	43	37851	63.691	ug/l	95
20) Methylene Chloride	4.92	84	4644	1.981	ug/l	86
31) Cyclohexane	7.94	56	5222	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17635	4.837	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20355	6.586	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	76667	53.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76667	120.653	ug/l #	5

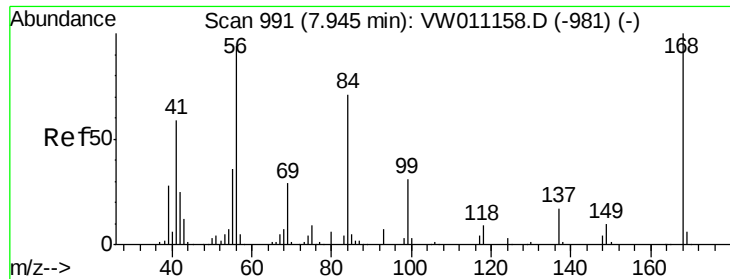
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011211.D

Acq: 11 Jul 2019 01:24

Instrument :

MSVOA_W

ClientSampleId :

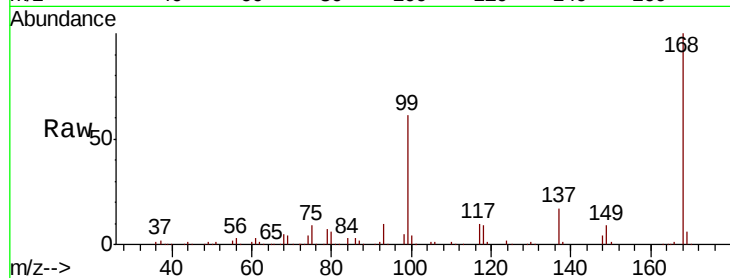
DUCT-BANK-TEST-PIT

Tot Ion:168 Resp: 196567

Ion Ratio Lower Upper

168 100

99 60.9 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

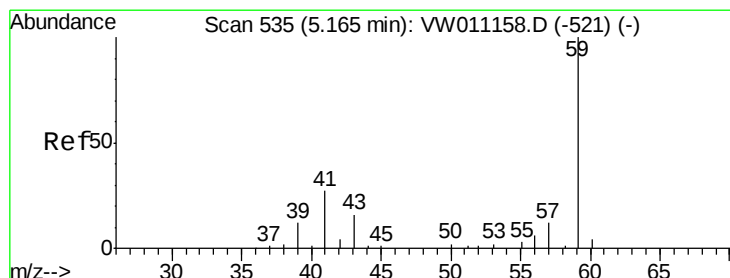
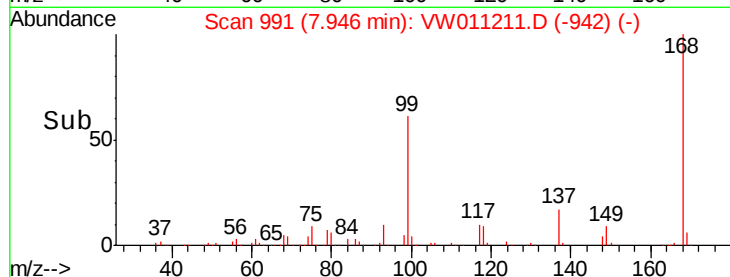
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 5.463 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW011211.D

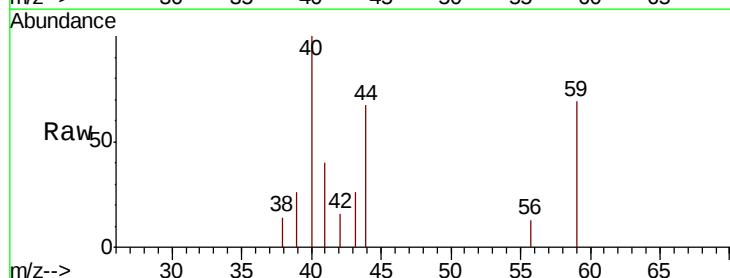
Acq: 11 Jul 2019 01:24

Tgt Ion: 59 Resp: 999

Ion Ratio Lower Upper

59 100

57 2.8 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

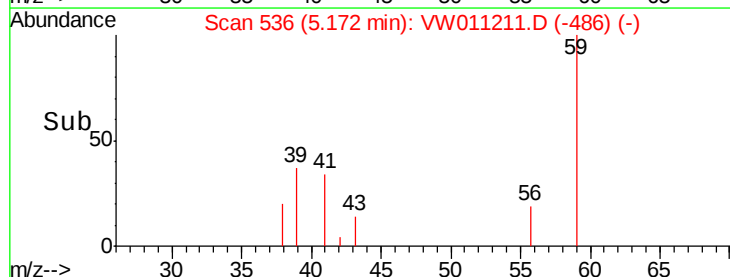
300

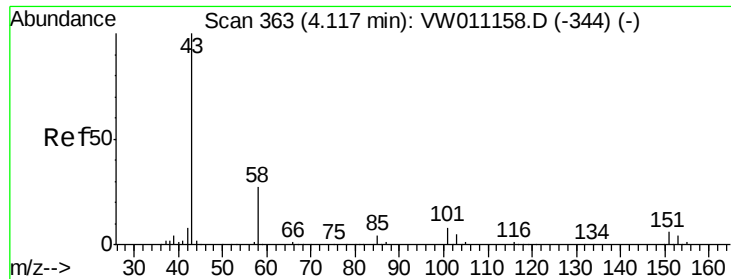
200

100

0

Time--> 5.10 5.20





#16

Acetone

Concen: 63.691 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

Instrument :

MSVOA_W

ClientSampleId :

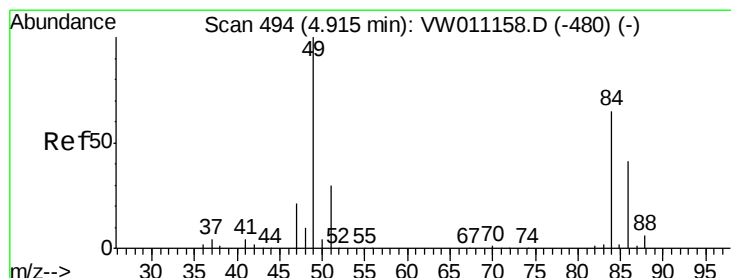
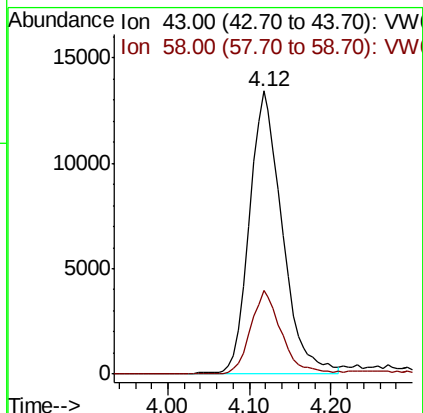
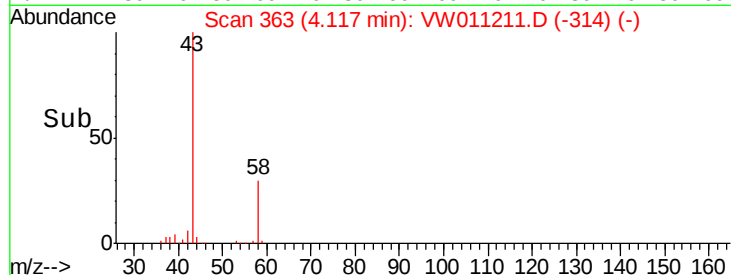
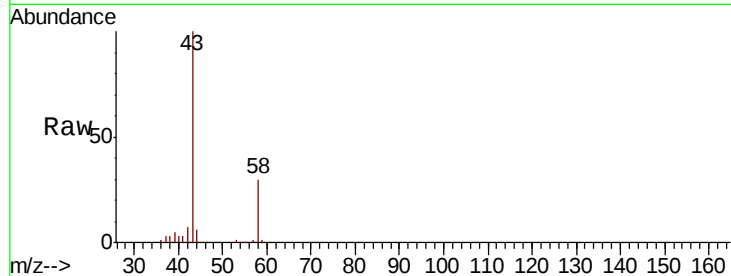
DUCT-BANK-TEST-PIT

Tot Ion: 43 Resp: 37851

Ion Ratio Lower Upper

43 100

58 29.7 21.8 32.6



#20

Methylene Chloride

Concen: 1.981 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

Tgt Ion: 84 Resp: 4644

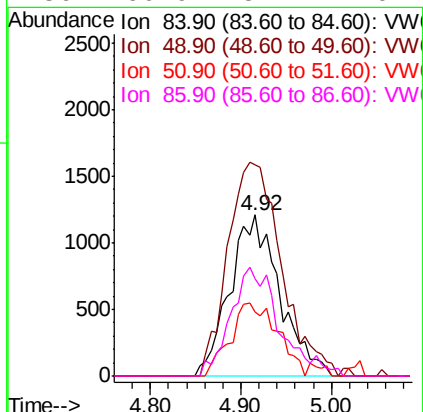
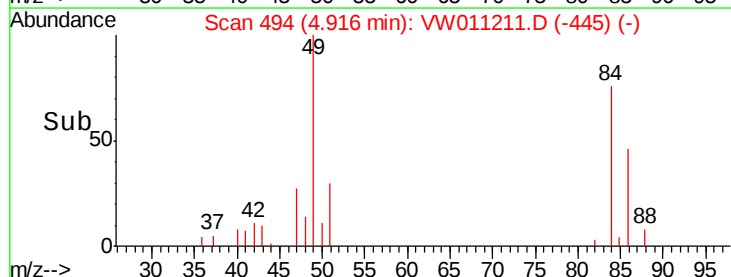
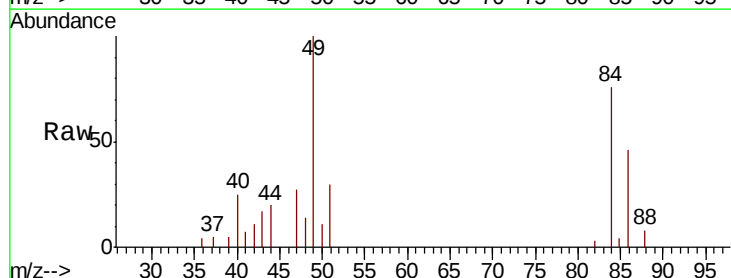
Ion Ratio Lower Upper

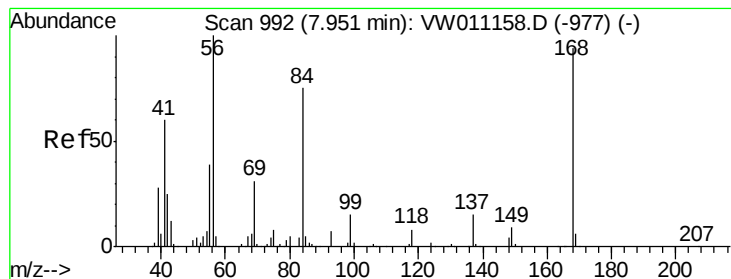
84 100

49 131.0 123.8 185.6

51 39.5 37.4 56.2

86 60.9 51.1 76.7





#31

Cvclohexane

Concen: 1.091 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

Instrument :

MSVOA_W

ClientSampleId :

DUCT-BANK-TEST-PIT

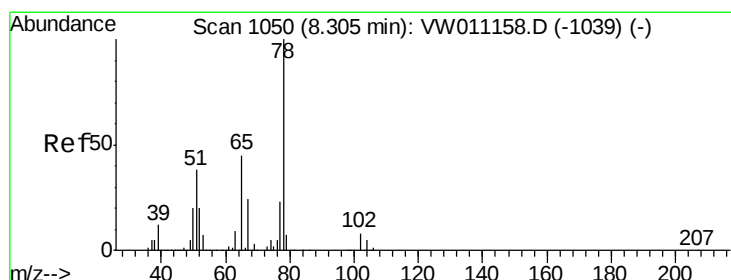
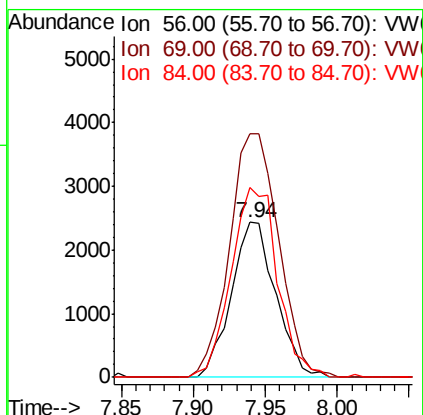
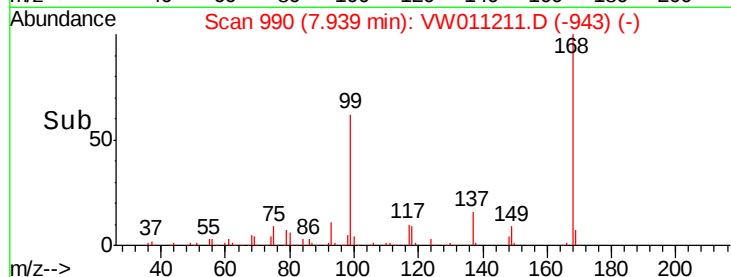
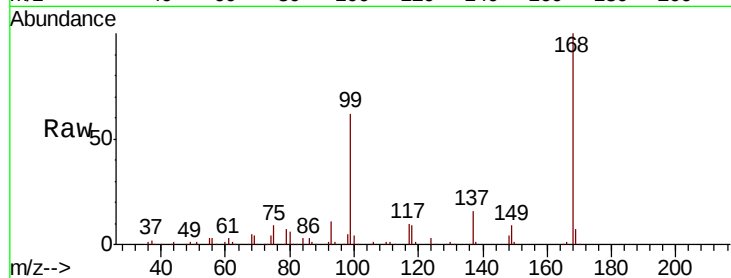
Tot Ion: 56 Resp: 5222

Ion Ratio Lower Upper

56 100

69 157.2 24.6 36.8#

84 122.7 60.1 90.1#



#33

1,2-Dichloroethane-d4

Concen: 55.111 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011211.D

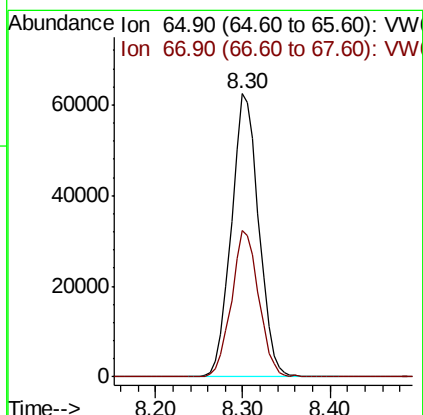
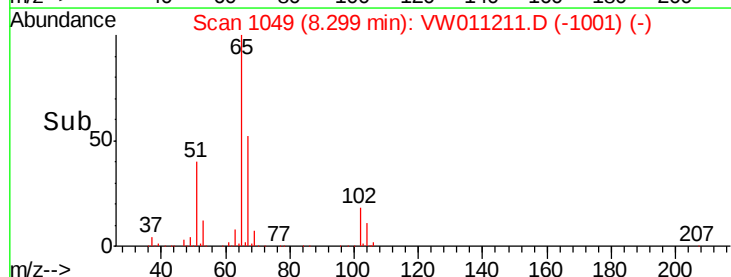
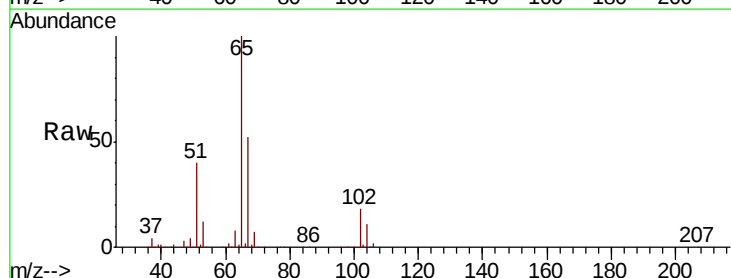
Acq: 11 Jul 2019 01:24

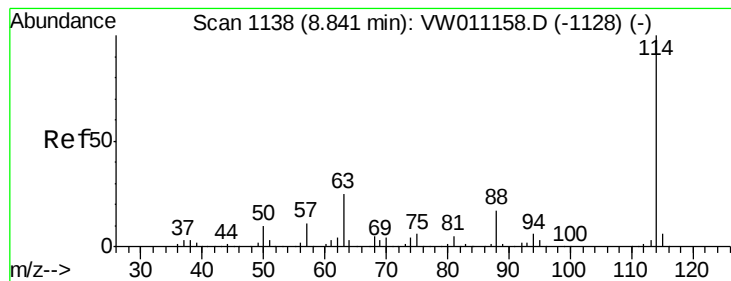
Tgt Ion: 65 Resp: 136120

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

Instrument :

MSVOA_W

ClientSampleId :

DUCT-BANK-TEST-PIT

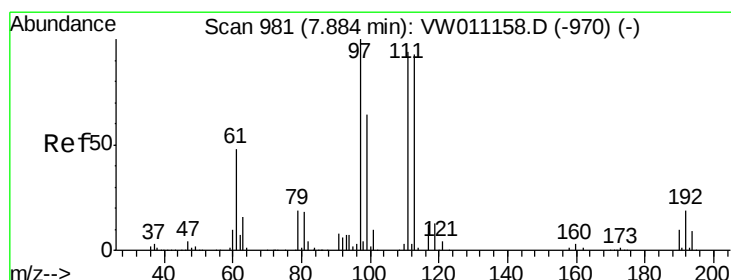
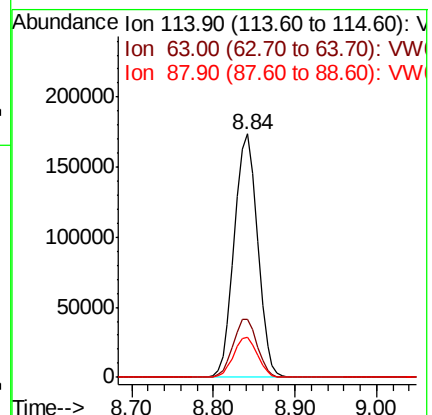
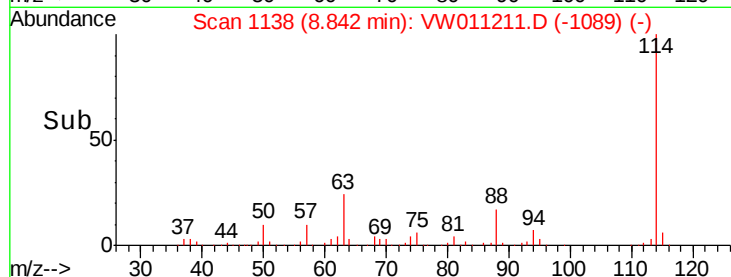
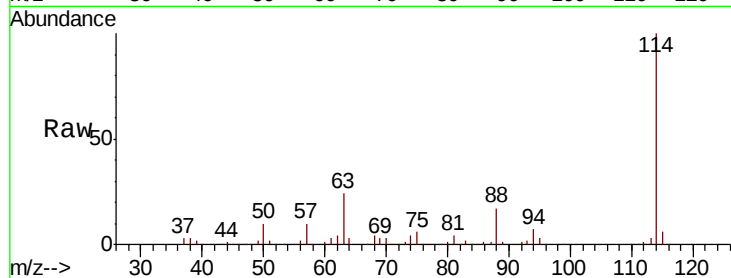
Tot Ion:114 Resp: 342367

Ion Ratio Lower Upper

114 100

63 23.8 0.0 50.8

88 16.6 0.0 34.2



#35

Dibromofluoromethane

Concen: 50.614 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

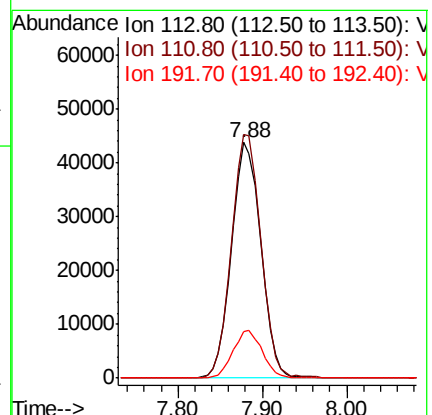
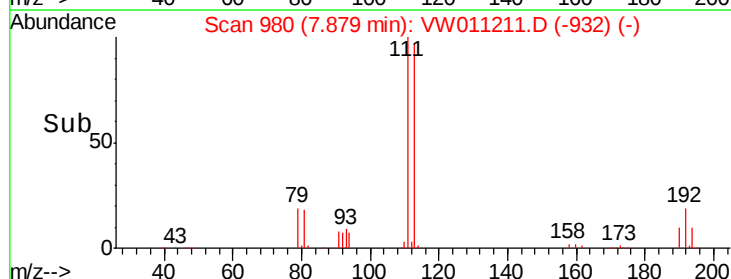
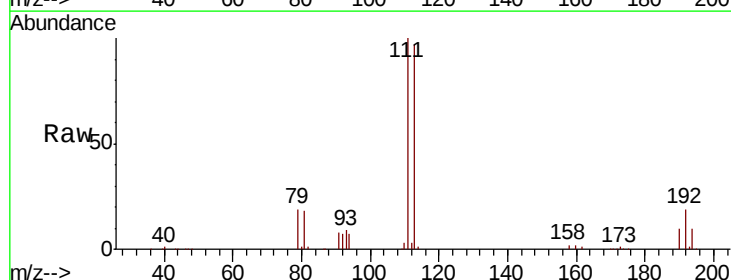
Tgt Ion:113 Resp: 103285

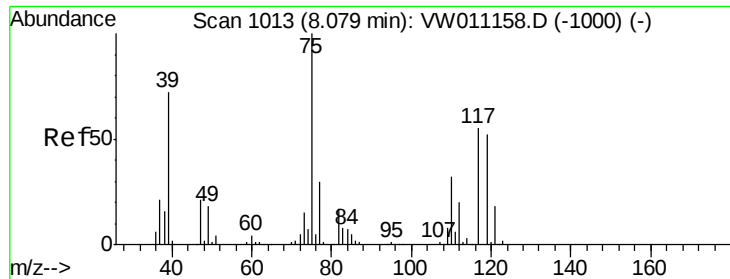
Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 20.0 15.8 23.8

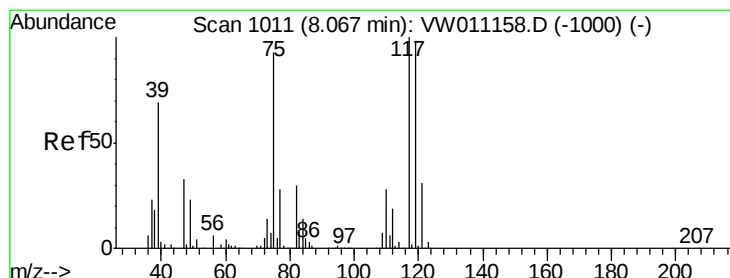
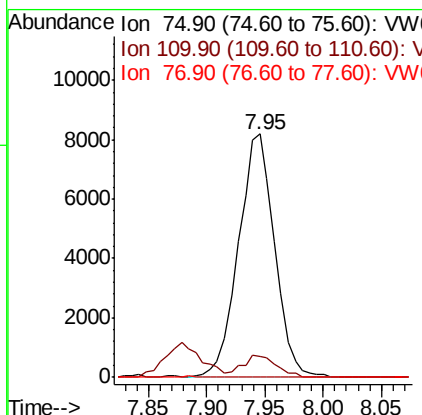
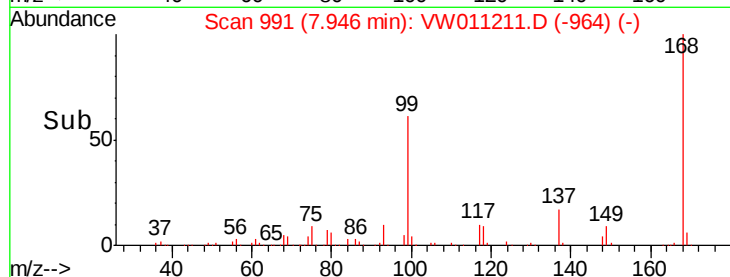
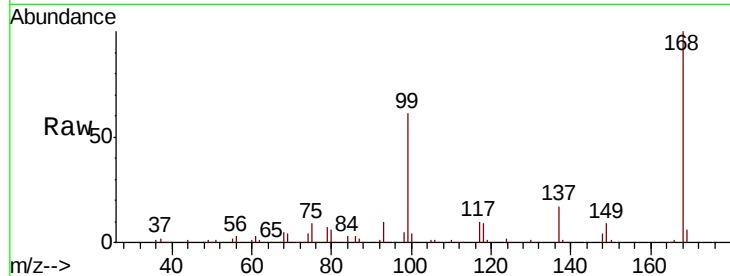




#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011211.D
 Acq: 11 Jul 2019 01:24

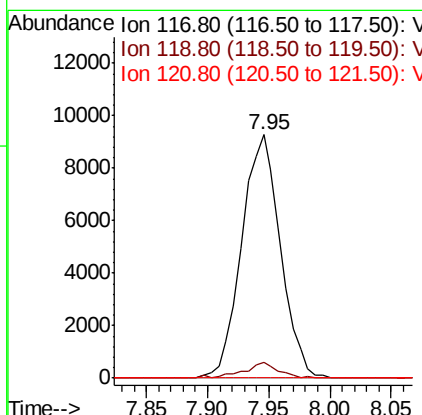
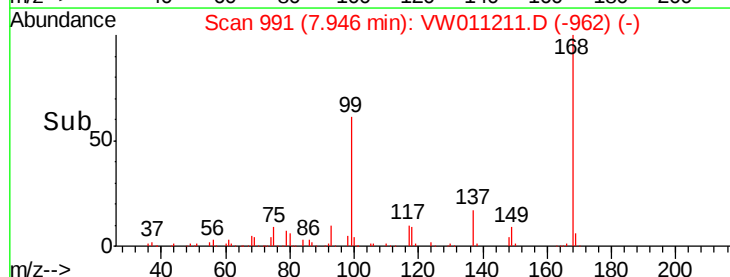
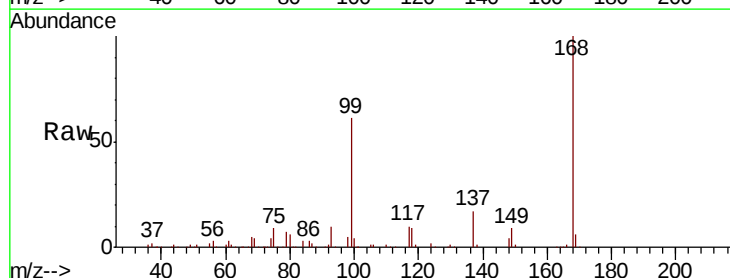
Instrument :
 MSVOA_W
 ClientSampleId :
 DUCT-BANK-TEST-PIT

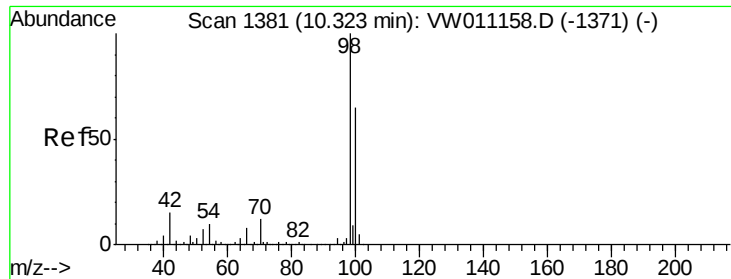
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.586 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011211.D
 Acq: 11 Jul 2019 01:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 51.434 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

Instrument :

MSVOA_W

ClientSampleId :

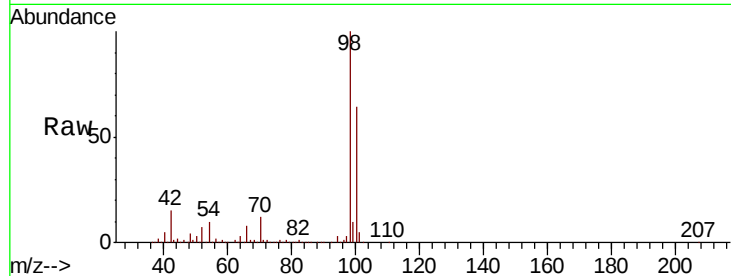
DUCT-BANK-TEST-PIT

Tot Ion: 98 Resp: 424259

Ion Ratio Lower Upper

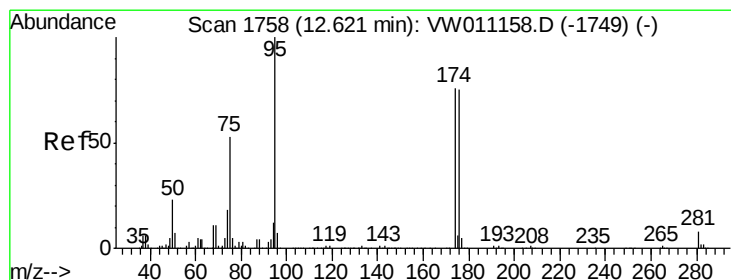
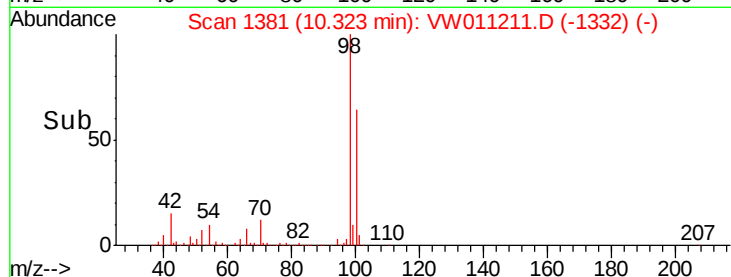
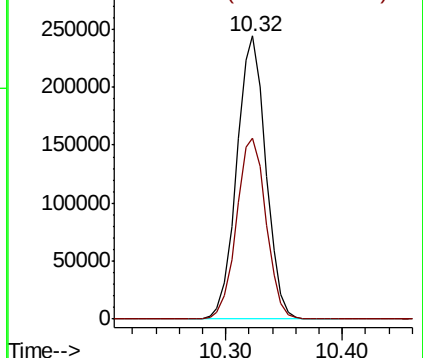
98 100

100 65.2 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: 46.670 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

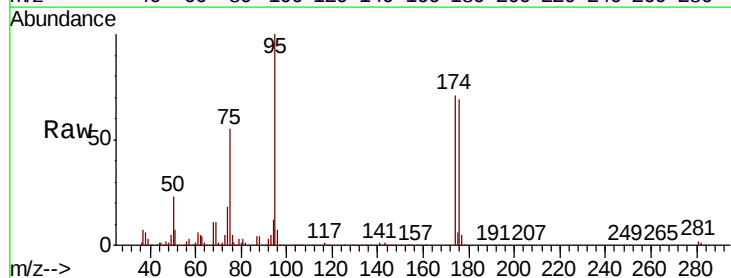
Tgt Ion: 95 Resp: 141103

Ion Ratio Lower Upper

95 100

174 73.7 0.0 147.6

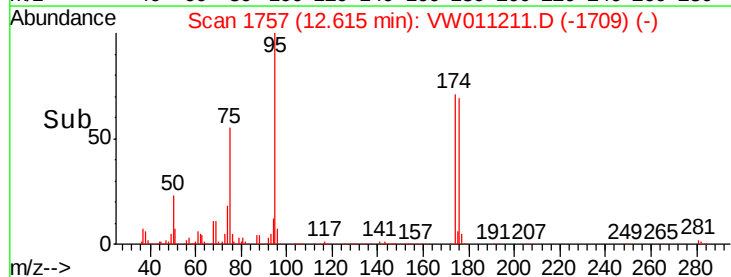
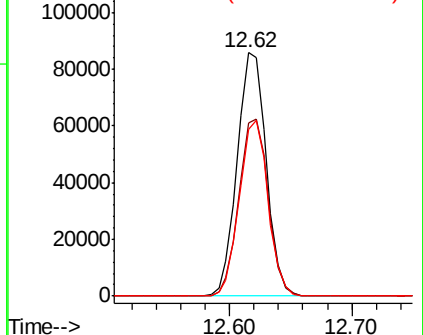
176 71.6 0.0 144.6

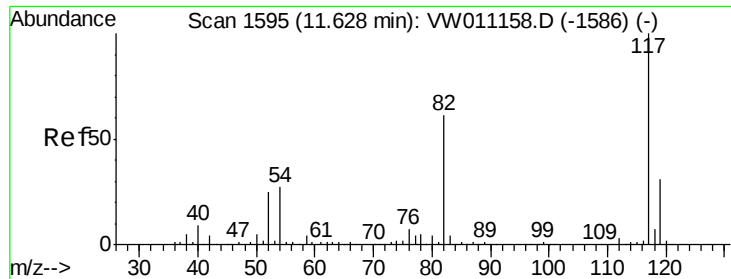


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

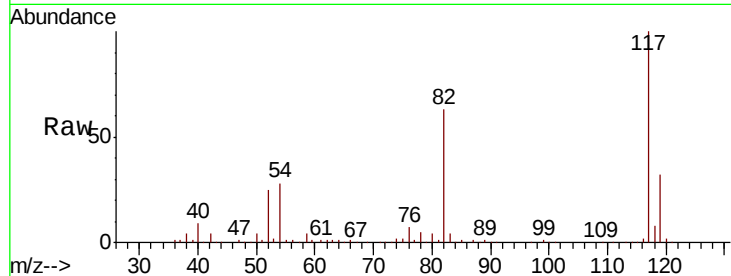




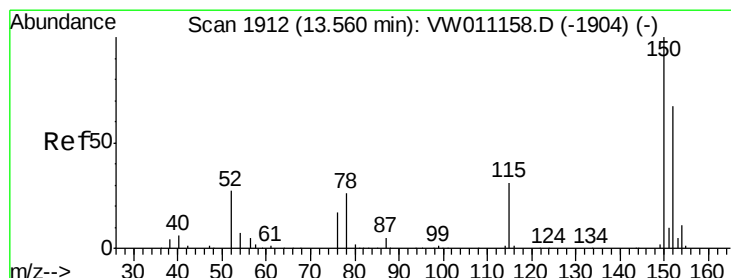
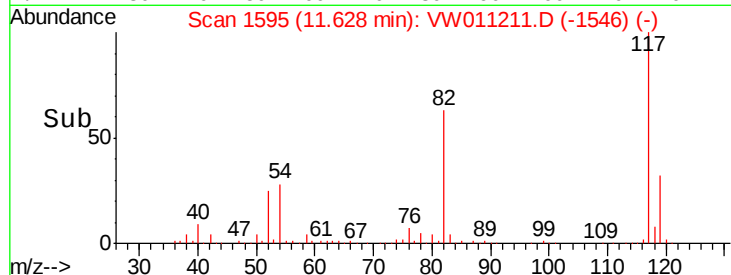
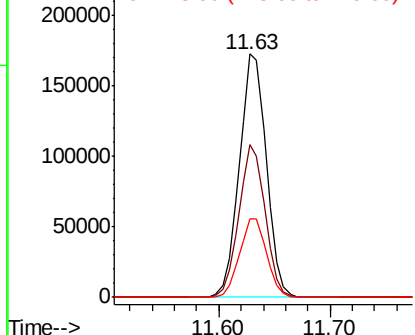
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011211.D
Acq: 11 Jul 2019 01:24

Instrument :
MSVOA_W
ClientSampleId :
DUCT-BANK-TEST-PIT

Tot Ion:117 Resp: 290307
Ion Ratio Lower Upper
117 100
82 62.5 48.9 73.3
119 32.0 25.0 37.6

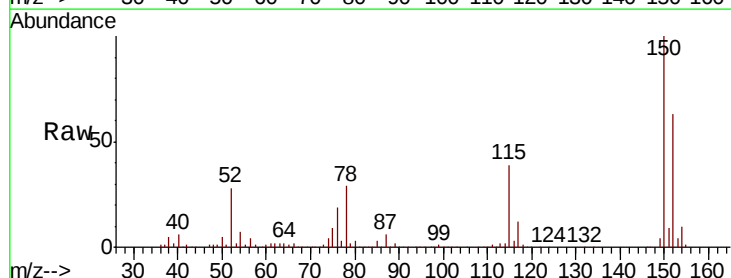


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

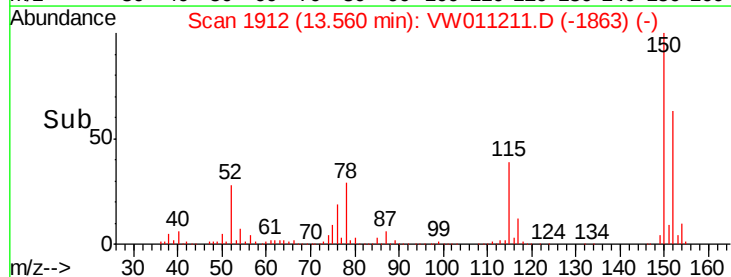
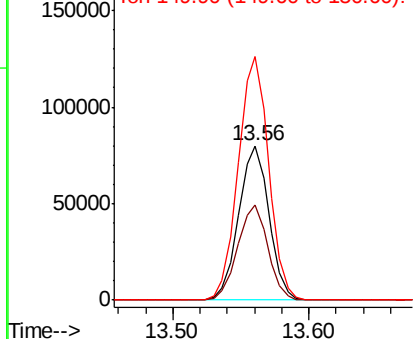


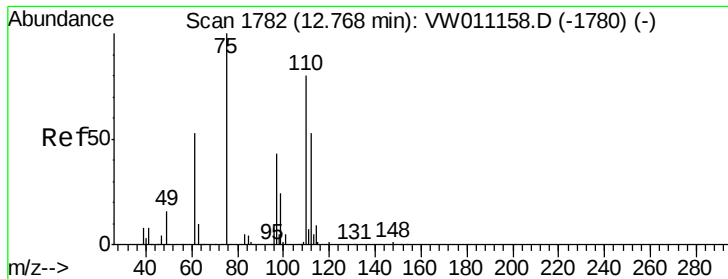
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011211.D
Acq: 11 Jul 2019 01:24

Tgt Ion:152 Resp: 124368
Ion Ratio Lower Upper
152 100
115 61.4 30.1 90.3
150 158.3 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





#76

1,2,3-Trichloropropane

Concen: 53.344 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

Instrument :

MSVOA_W

ClientSampleId :

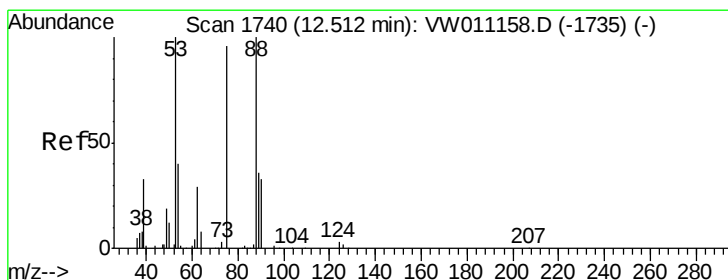
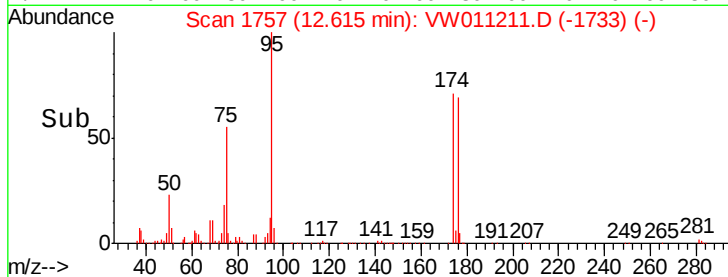
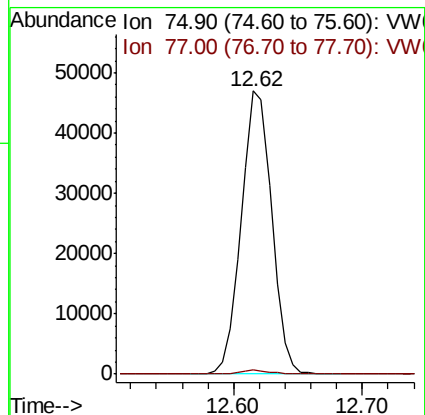
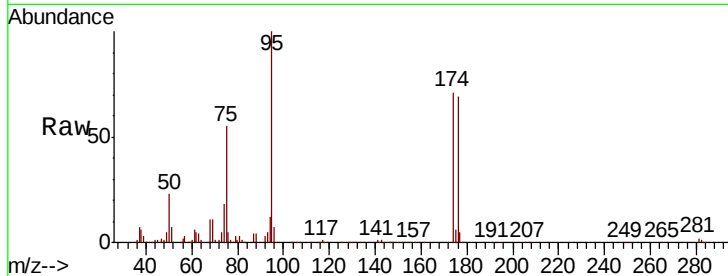
DUCT-BANK-TEST-PIT

Tot Ion: 75 Resp: 76667

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.653 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011211.D

Acq: 11 Jul 2019 01:24

Tgt Ion: 75 Resp: 76667

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.0 34.3 51.5#

