

Data File : VW008738.D
Acq On : 18 Feb 2019 19:33
Operator : SY/VA
Sample : K1518-15RE
Misc : 5.52G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-8

Quant Time: Feb 19 03:32:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	360786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	550893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	485115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	239158	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	199603	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	7.88	113	178308	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.32	98	657913	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.62	95	230902	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

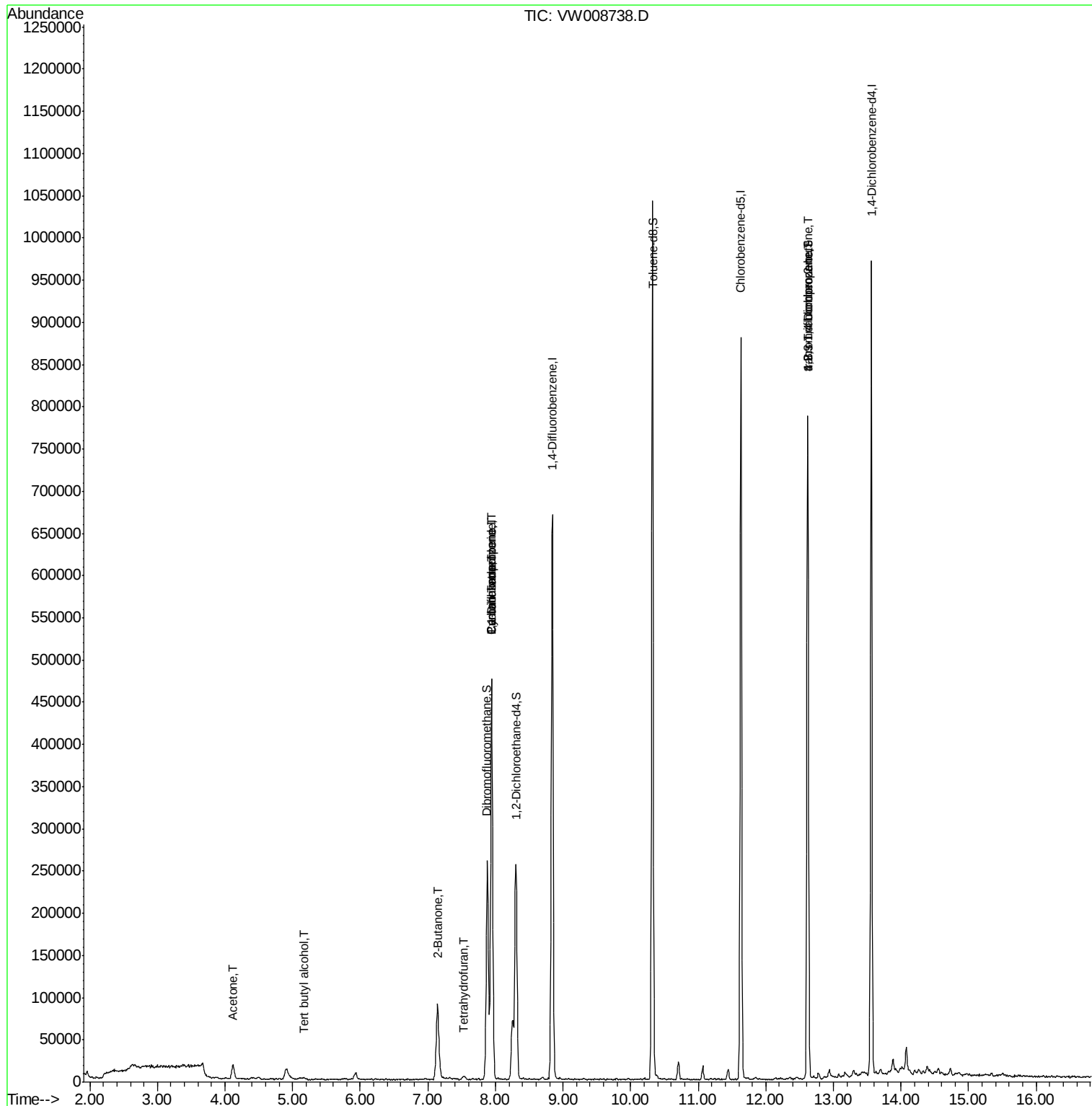
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.17	59	1155	3.849	ug/l	96
16) Acetone	4.12	43	27153	31.812	ug/l	99
20) Methylene Chloride	4.90	84	9856	Below Cal		95
25) 2-Butanone	7.15	43	7106	5.896	ug/l #	63
29) Tetrahydrofuran	7.52	42	2946	3.709	ug/l #	91
31) Cyclohexane	7.94	56	8501	1.239	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	26313	4.754	ug/l #	52
38) Carbon Tetrachloride	7.95	117	34738	6.312	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	117613	49.803	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117613	106.792	ug/l #	7

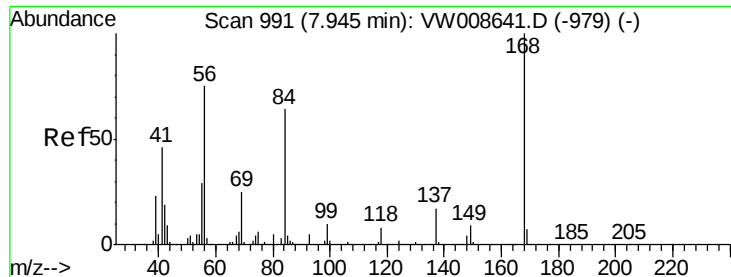
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008738.D

Acq: 18 Feb 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

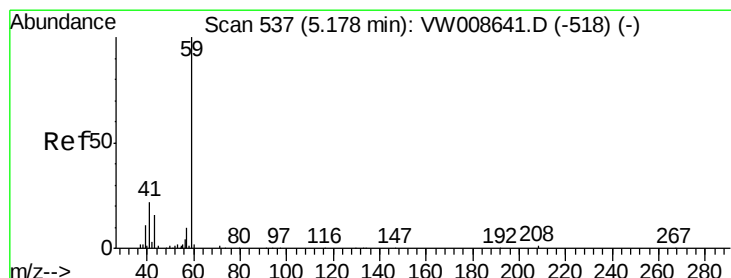
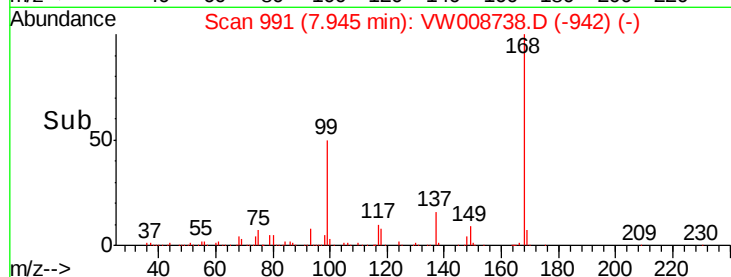
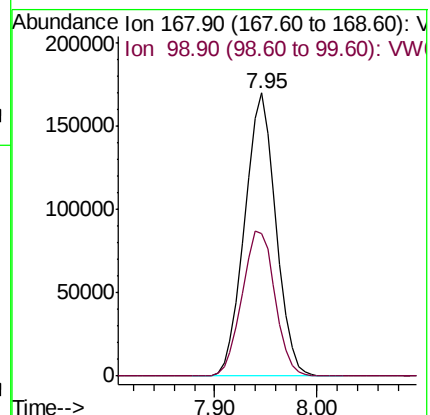
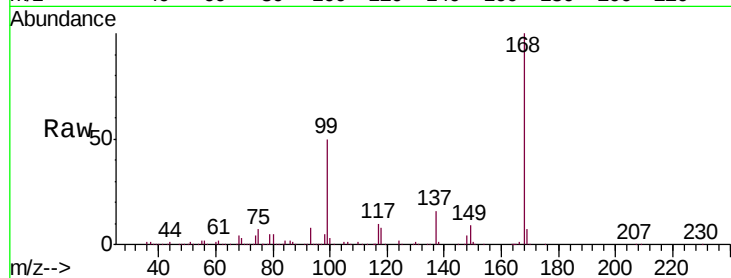
CABLE-BRIDGE-FOUNDATION-D-8

Tgt Ion: 168 Resp: 360786

Ion Ratio Lower Upper

168 100

99 50.3 42.8 64.2



#11

Tert butyl alcohol

Concen: 3.849 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008738.D

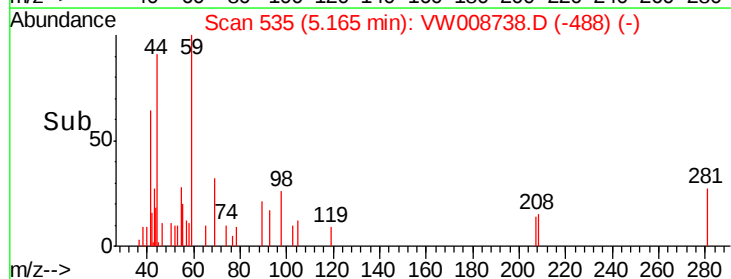
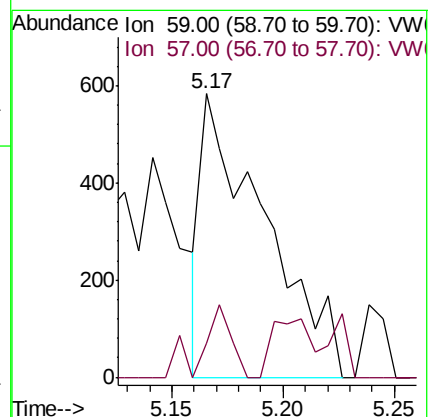
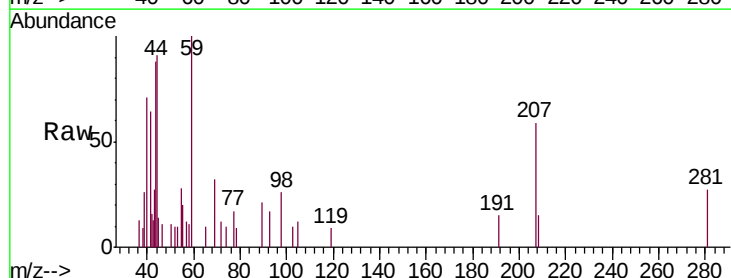
Acq: 18 Feb 2019 19:33

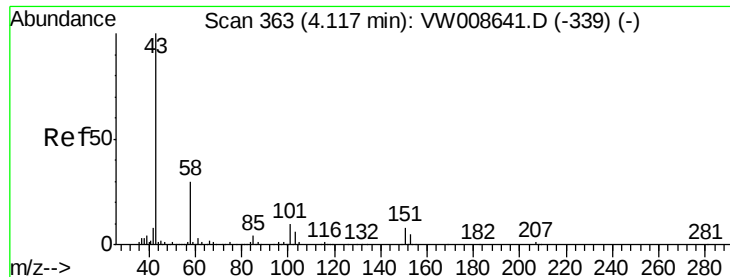
Tgt Ion: 59 Resp: 1155

Ion Ratio Lower Upper

59 100

57 11.9 8.3 12.5





#16

Acetone

Concen: 31.812 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

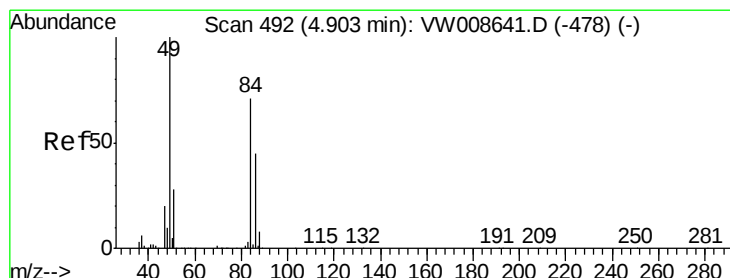
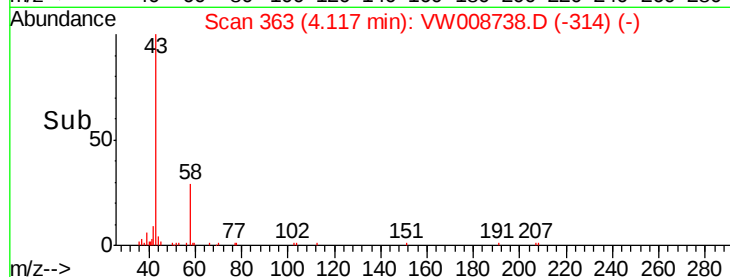
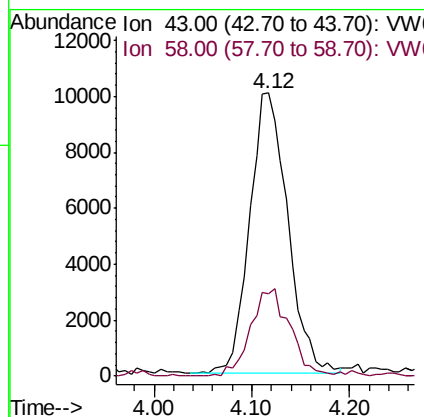
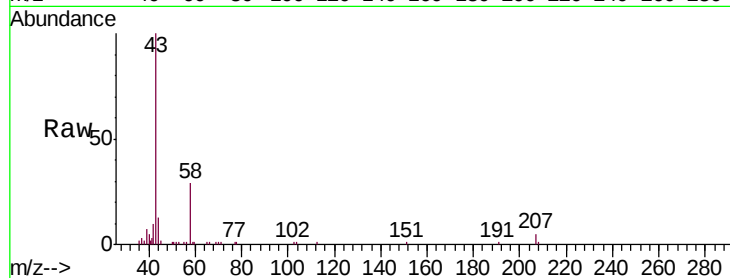
CABLE-BRIDGE-FOUNDATION-D-8

Tgt Ion: 43 Resp: 27153

Ion Ratio Lower Upper

43 100

58 29.3 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

Tgt Ion: 84 Resp: 9856

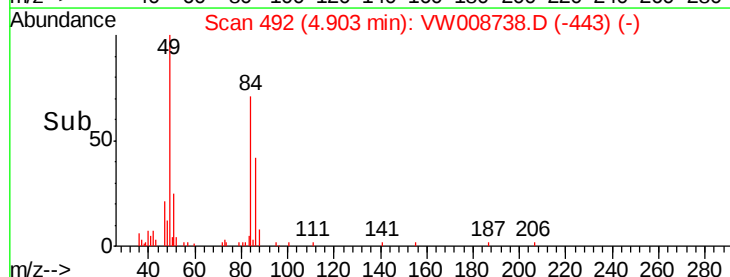
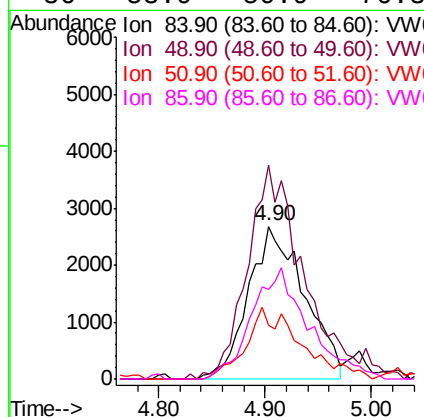
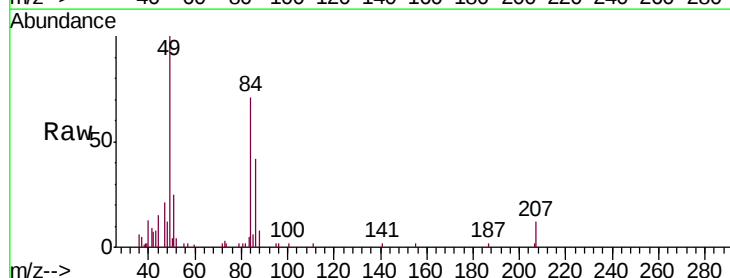
Ion Ratio Lower Upper

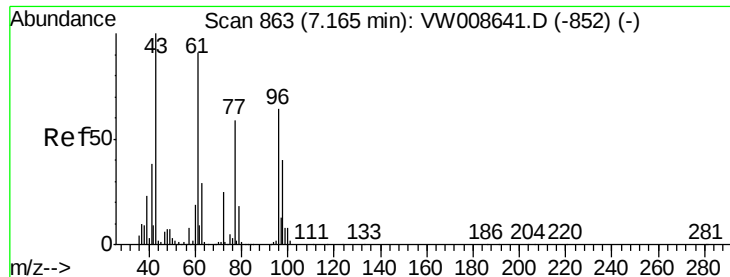
84 100

49 136.3 113.3 169.9

51 35.5 32.1 48.1

86 58.9 50.9 76.3





#25

2-Butanone

Concen: 5.896 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

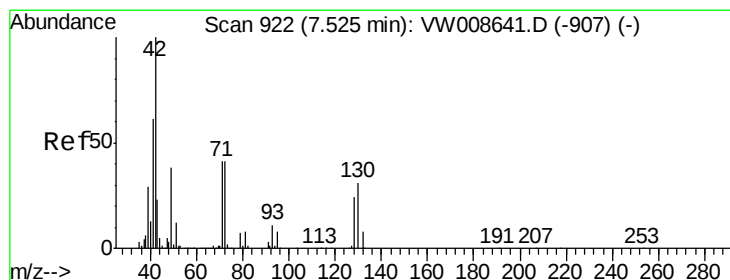
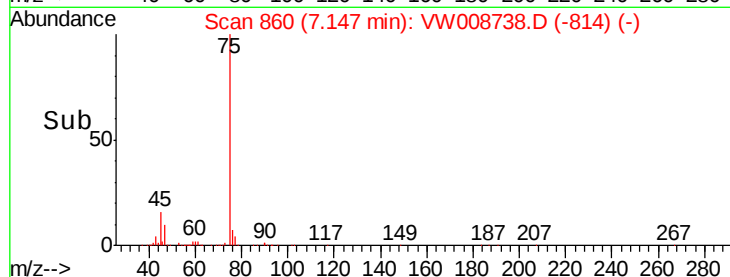
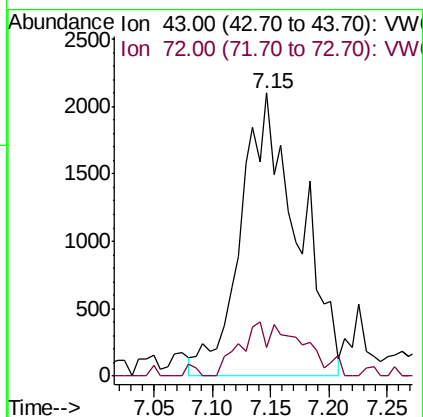
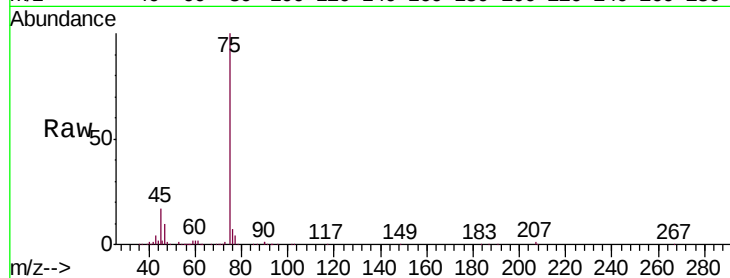
CABLE-BRIDGE-FOUNDATION-D-8

Tgt Ion: 43 Resp: 7106

Ion Ratio Lower Upper

43 100

72 6.2 19.7 29.5#



#29

Tetrahydrofuran

Concen: 3.709 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

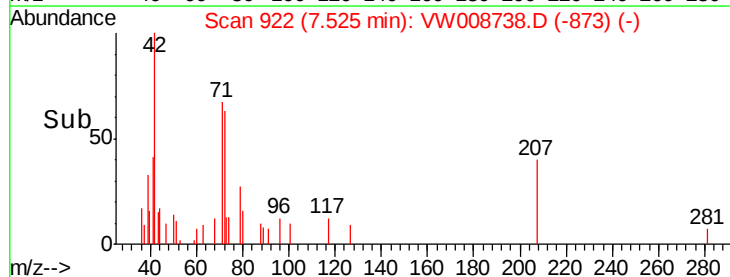
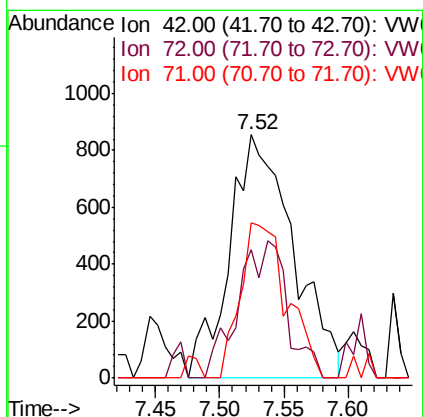
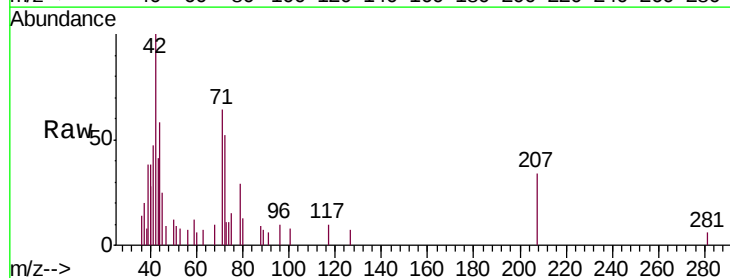
Tgt Ion: 42 Resp: 2946

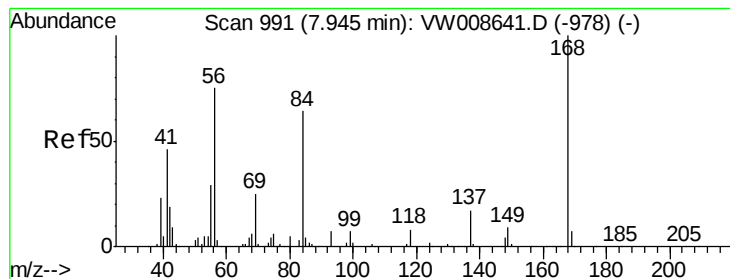
Ion Ratio Lower Upper

42 100

72 43.3 32.2 48.2

71 46.7 31.0 46.6#





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-8

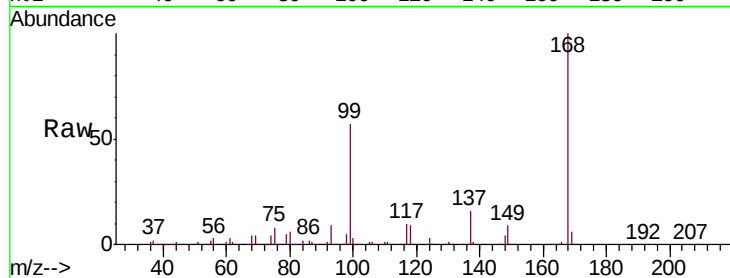
Tgt Ion: 56 Resp: 8501

Ion Ratio Lower Upper

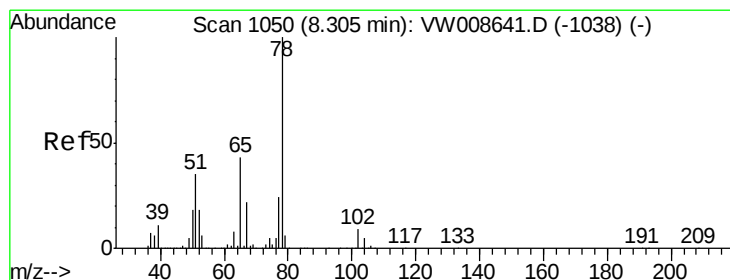
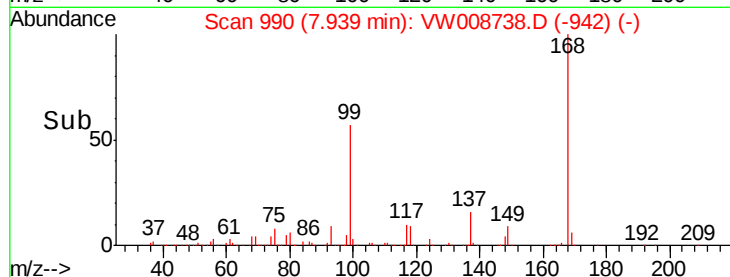
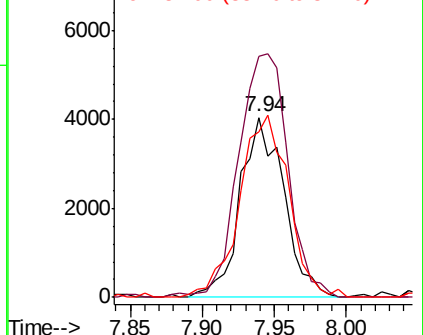
56 100

69 133.7 26.4 39.6#

84 90.1 67.4 101.2



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: 53.215 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008738.D

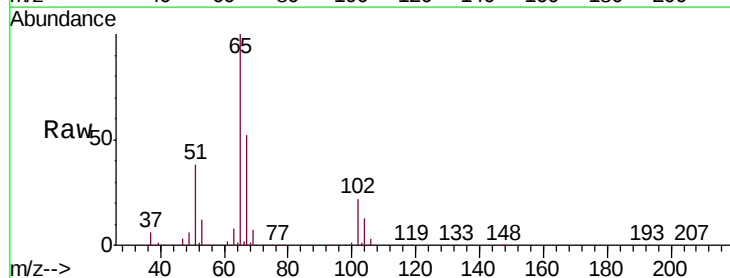
Acq: 18 Feb 2019 19:33

Tgt Ion: 65 Resp: 199603

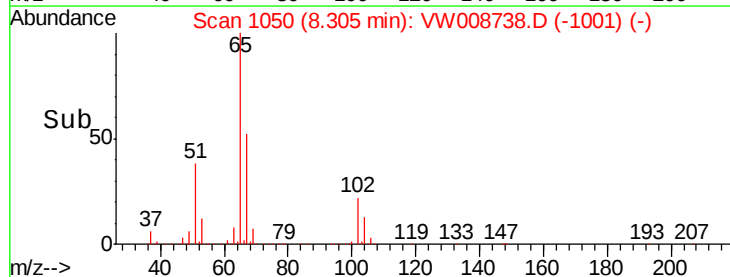
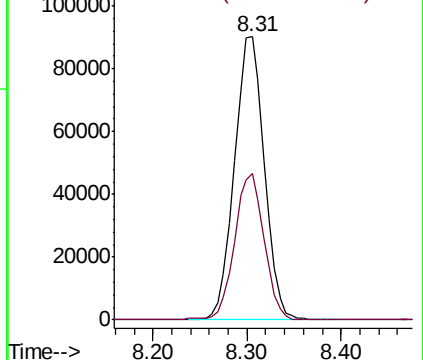
Ion Ratio Lower Upper

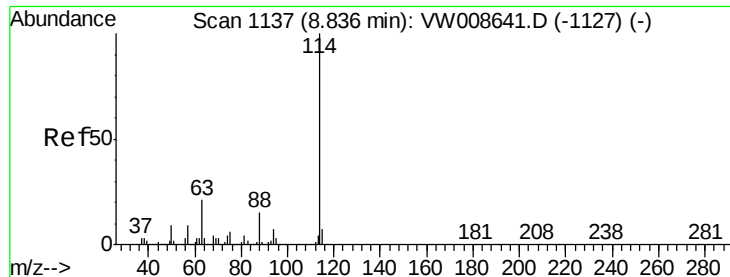
65 100

67 51.1 0.0 102.0



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. 0.01 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-8

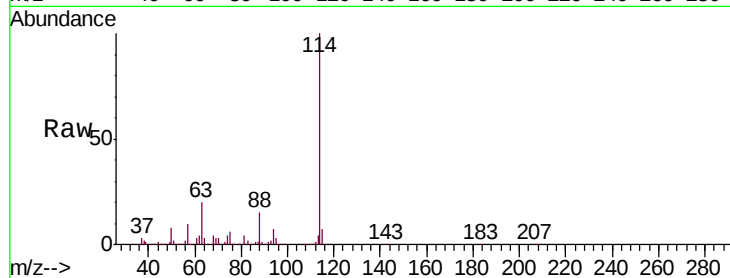
Tgt Ion:114 Resp: 550893

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

88 15.2 0.0 29.6



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

300000

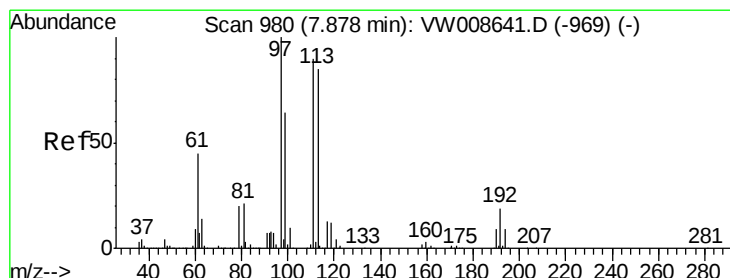
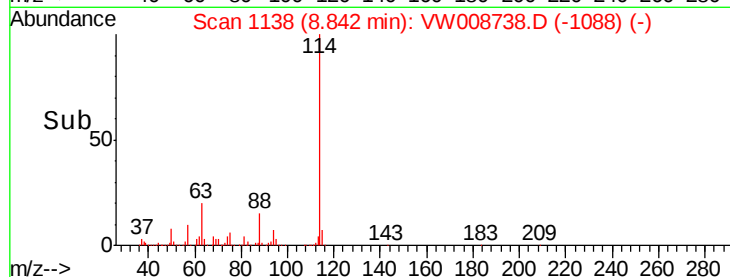
200000

100000

0

8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 52.126 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

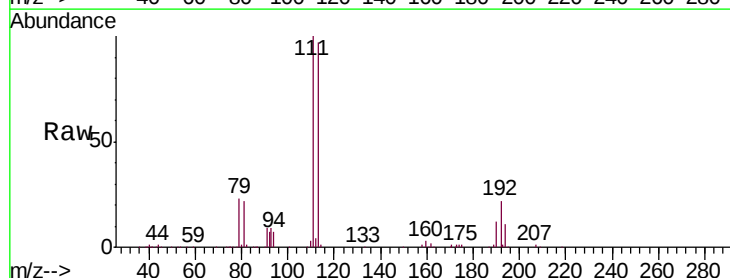
Tgt Ion:113 Resp: 178308

Ion Ratio Lower Upper

113 100

111 102.0 84.0 126.0

192 21.7 17.4 26.2



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

100000

80000

60000

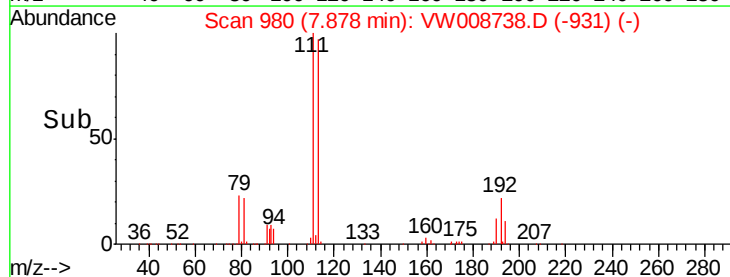
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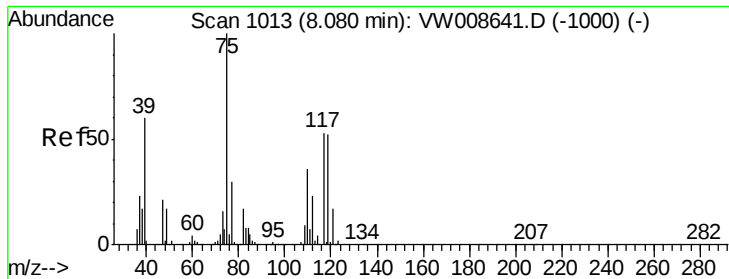
20000

0

7.80 7.90 8.00

Time-->

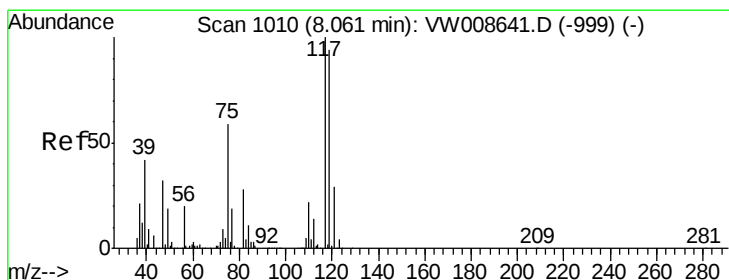
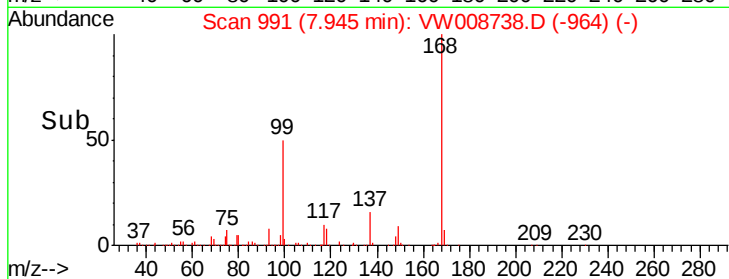
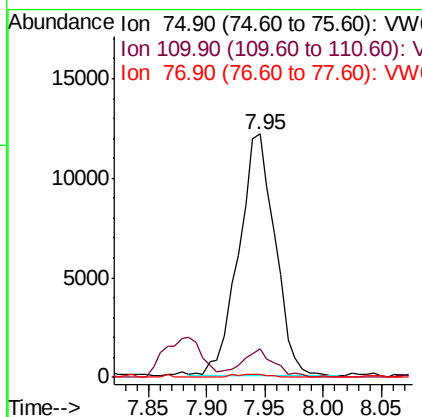
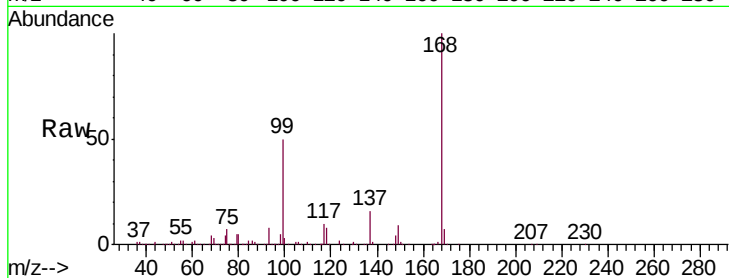




#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008738.D
 Acq: 18 Feb 2019 19:33

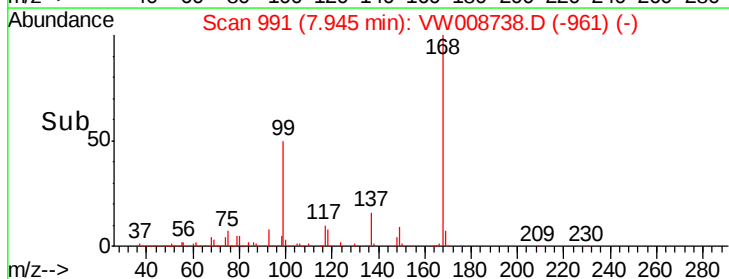
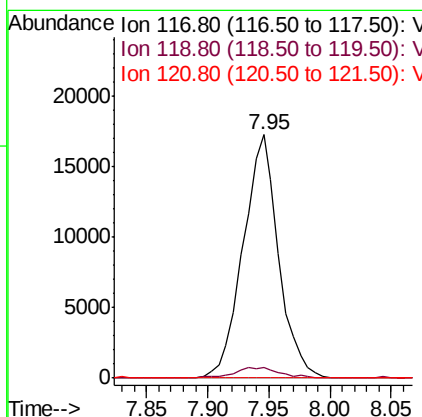
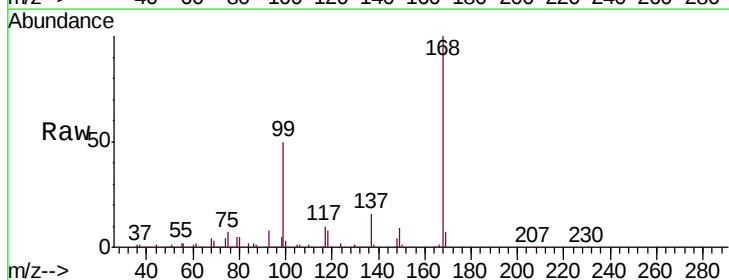
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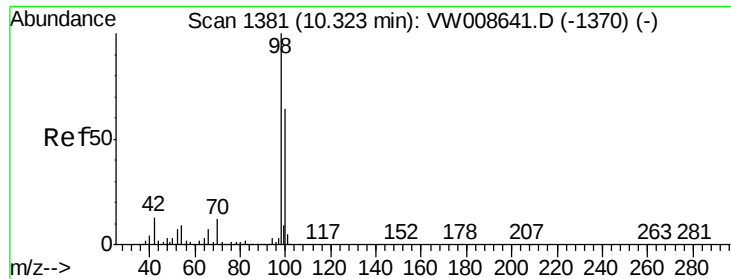
Tgt Ion: 75 Resp: 26313
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.8 53.3#
 77 1.1 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.312 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008738.D
 Acq: 18 Feb 2019 19:33

Tgt Ion: 117 Resp: 34738
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.1 112.7#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 49.893 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

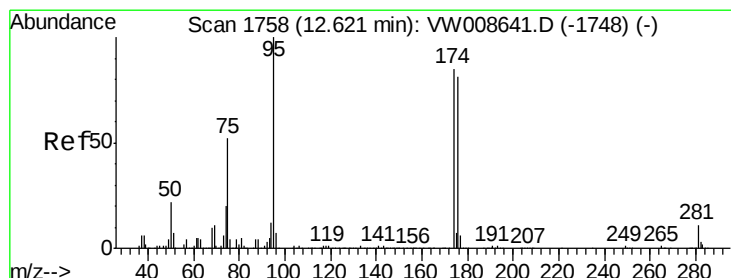
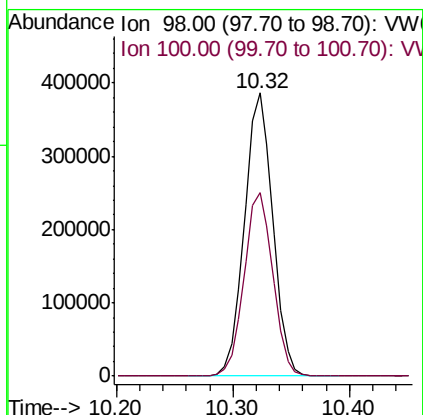
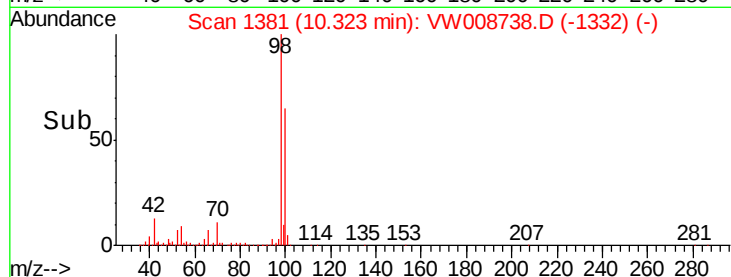
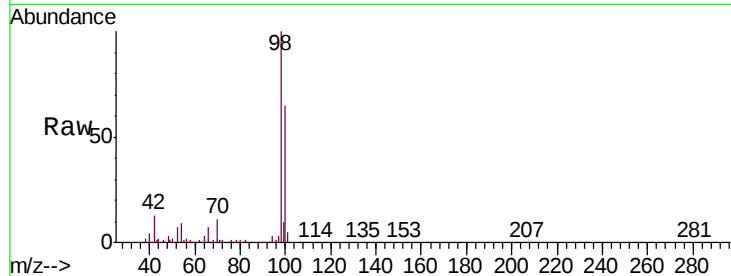
CABLE-BRIDGE-FOUNDATION-D-8

Tgt Ion: 98 Resp: 657913

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 46.488 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

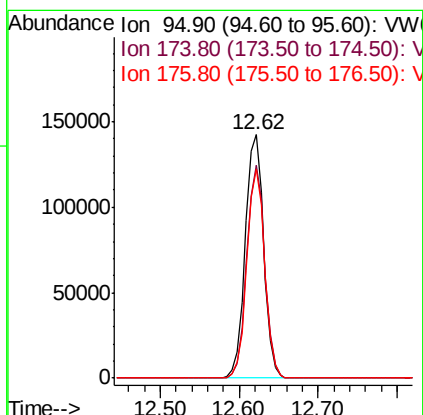
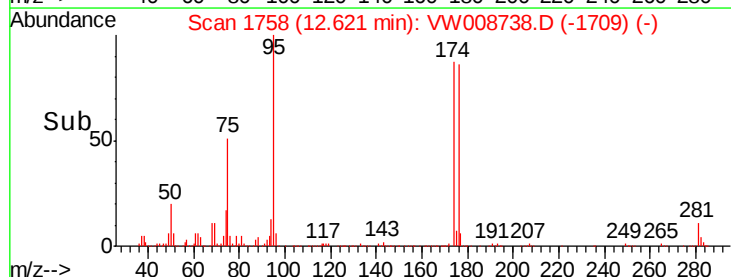
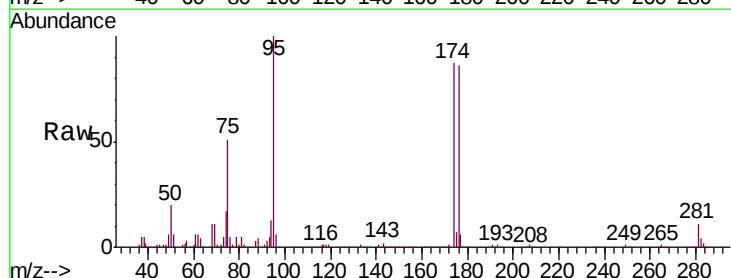
Tgt Ion: 95 Resp: 230902

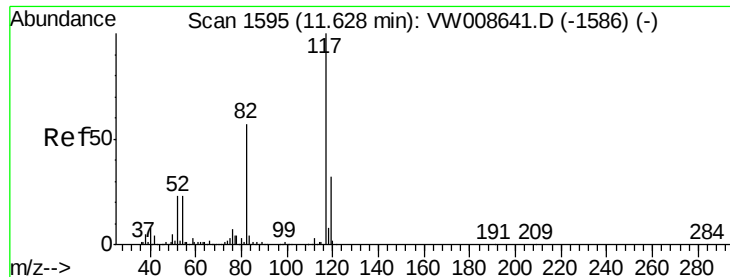
Ion Ratio Lower Upper

95 100

174 85.4 0.0 163.2

176 83.1 0.0 158.0

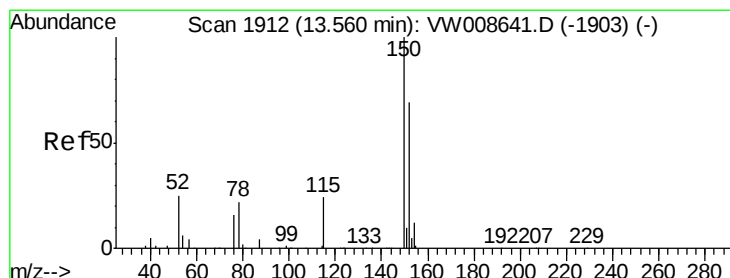
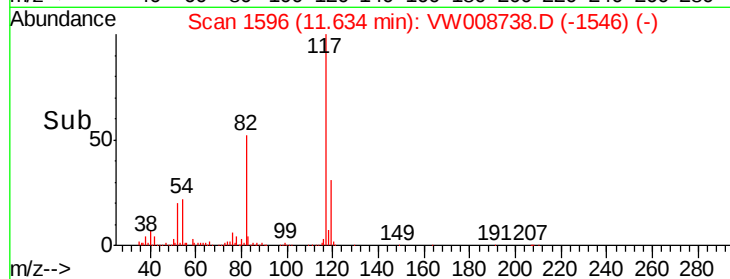
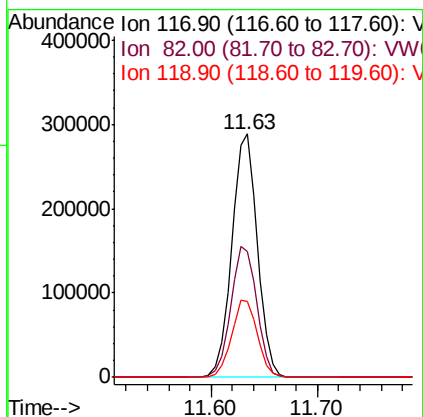
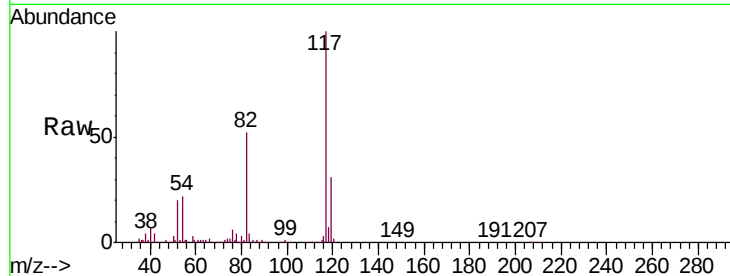




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008738.D
Acq: 18 Feb 2019 19:33

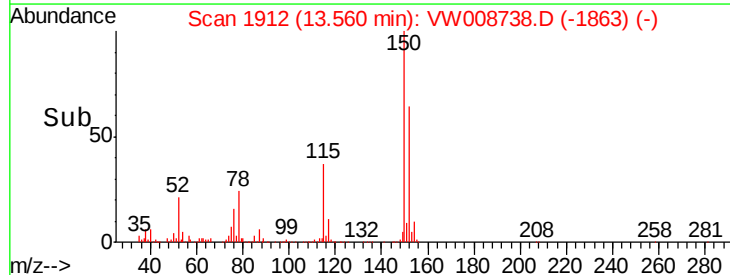
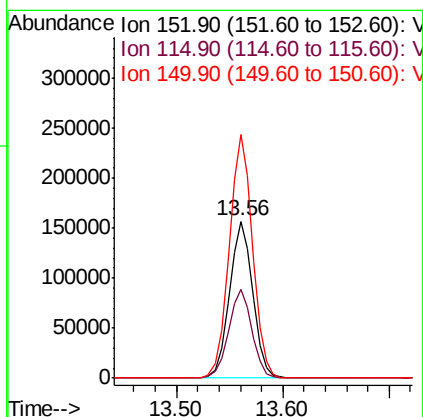
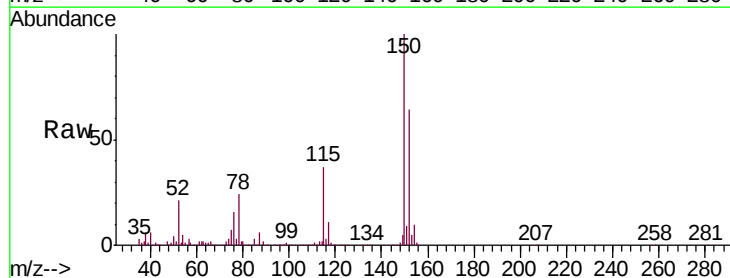
Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-8

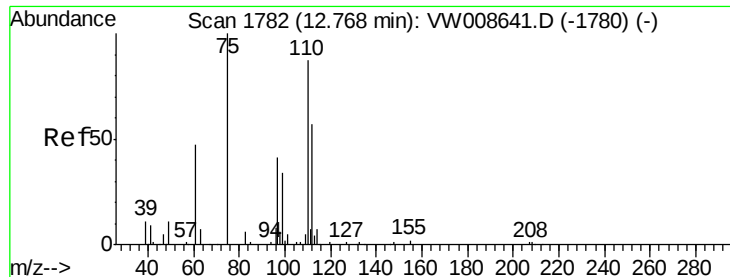
Tgt Ion:117 Resp: 485115
Ion Ratio Lower Upper
117 100
82 51.6 45.6 68.4
119 30.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008738.D
Acq: 18 Feb 2019 19:33

Tgt Ion:152 Resp: 239158
Ion Ratio Lower Upper
152 100
115 56.8 29.3 87.8
150 155.6 0.0 352.8





#76

1,2,3-Trichloropropane

Concen: 49.803 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

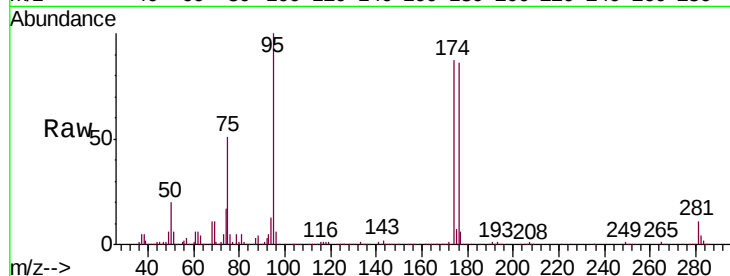
CABLE-BRIDGE-FOUNDATION-D-8

Tgt Ion: 75 Resp: 117613

Ion Ratio Lower Upper

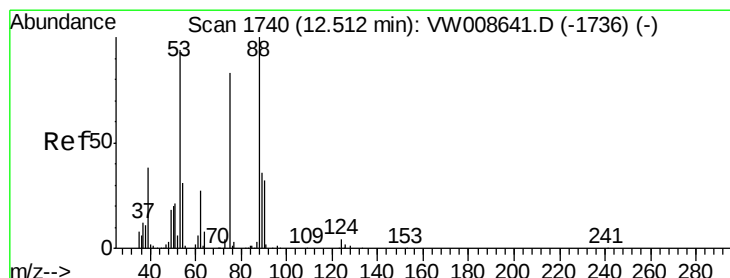
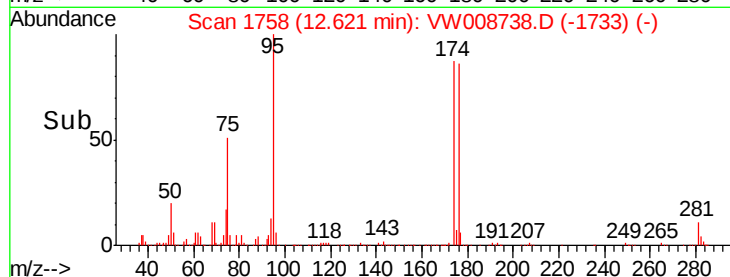
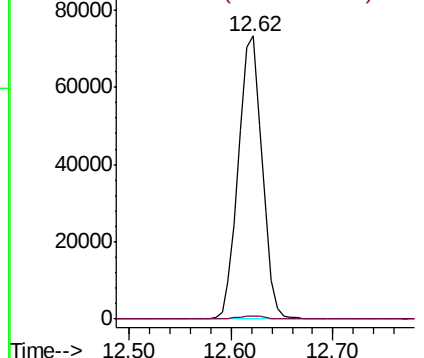
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 106.792 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008738.D

Acq: 18 Feb 2019 19:33

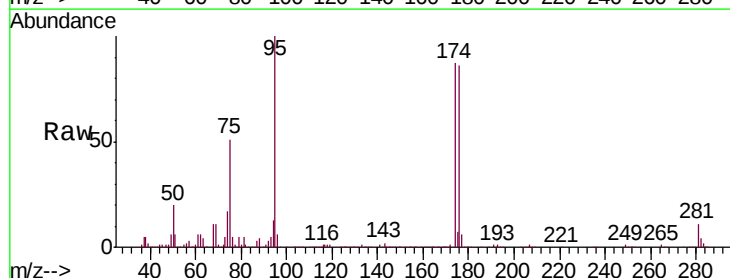
Tgt Ion: 75 Resp: 117613

Ion Ratio Lower Upper

75 100

53 0.5 87.4 131.0#

89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

