

Data File : VW008735.D
Acq On : 18 Feb 2019 18:13
Operator : SY/VA
Sample : K1518-09
Misc : 6.64G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Quant Time: Feb 19 03:32:08 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	354874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	437938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165732	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	188883	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.88	113	170067	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.32	98	616647	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.62	95	186128	39.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.10%	

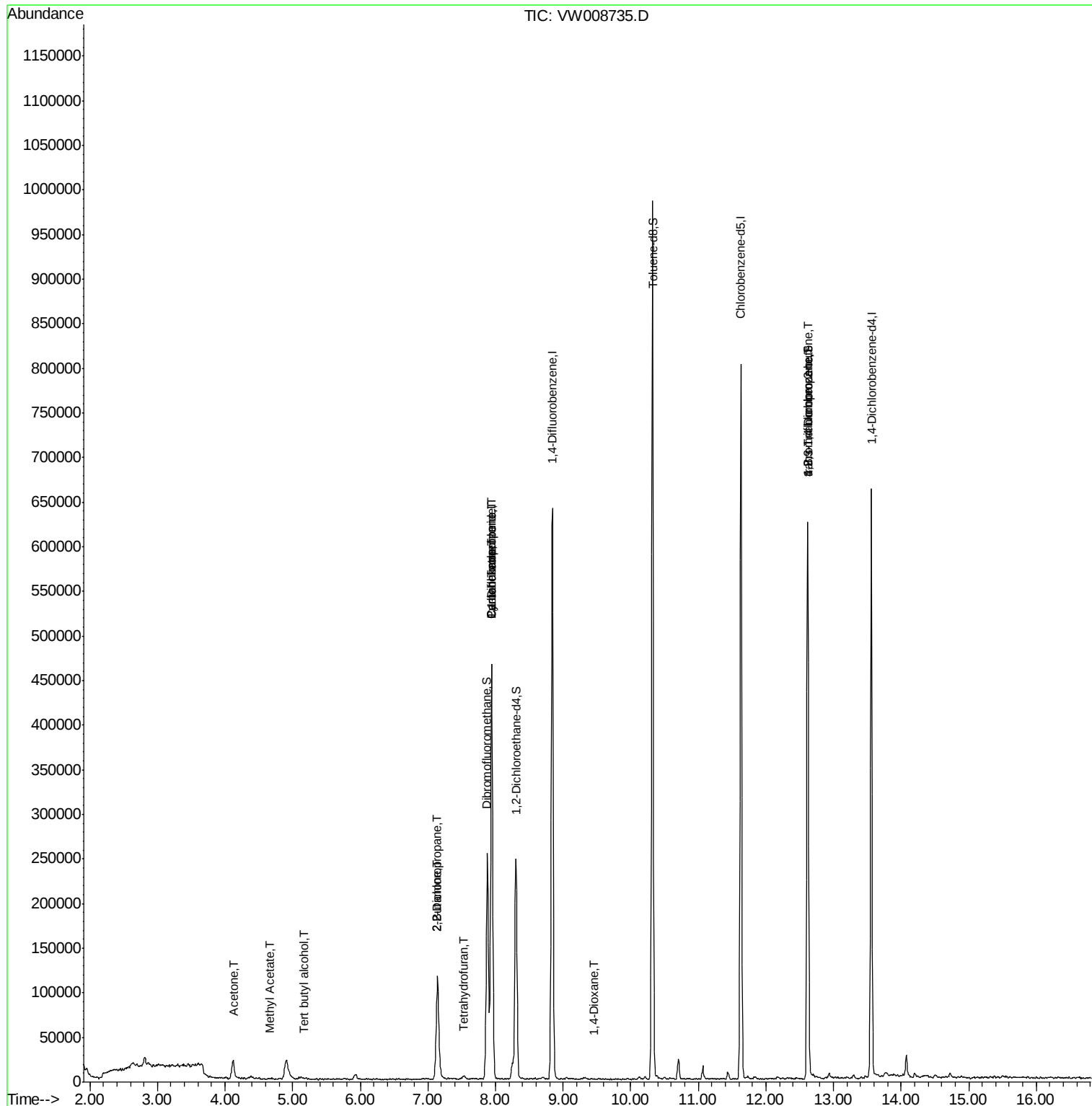
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	436	1.477	ug/l #	43
16) Acetone	4.12	43	36104	43.004	ug/l	97
18) Methyl Acetate	4.66	43	2419	1.261	ug/l #	58
20) Methylene Chloride	4.92	84	19233	Below Cal		88
25) 2-Butanone	7.14	43	9445	7.967	ug/l #	72
26) 2,2-Dichloropropane	7.15	77	8196	1.963	ug/l #	52
29) Tetrahydrofuran	7.53	42	2373	3.037	ug/l #	82
31) Cyclohexane	7.94	56	7794	1.155	ug/l #	23
36) 1,1-Dichloropropene	7.94	75	26958	5.076	ug/l #	49
38) Carbon Tetrachloride	7.95	117	34763	6.582	ug/l #	17
49) 1,4-Dioxane	9.45	88	34	1.077	ug/l #	74
76) 1,2,3-Trichloropropane	12.62	75	96066	58.701	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96066	125.422	ug/l #	6

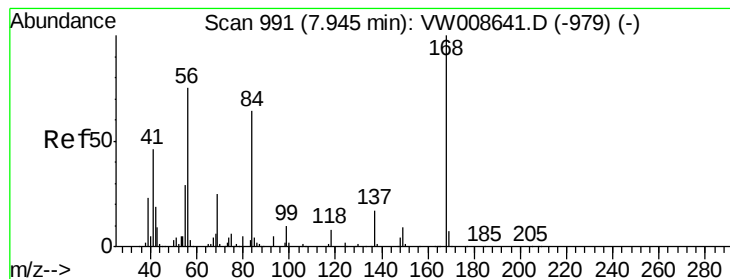
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008735.D

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MSVOA_W

ClientSampleId :

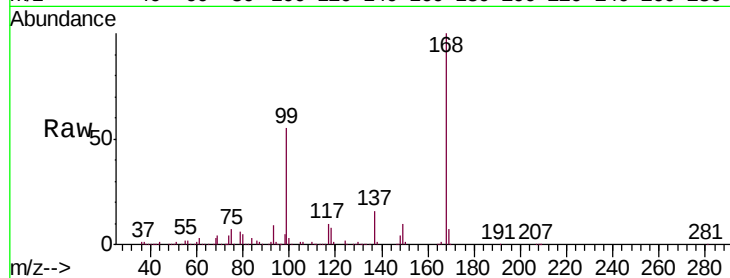
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion:168 Resp: 354874

Ion Ratio Lower Upper

168 100

99 54.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

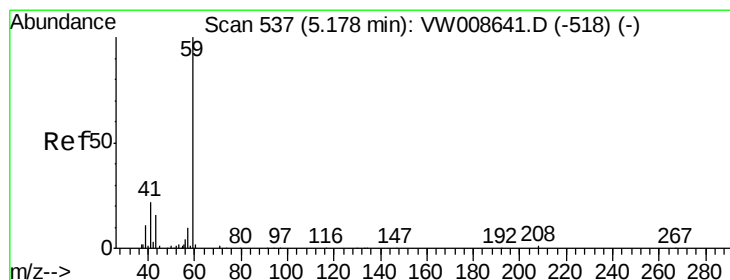
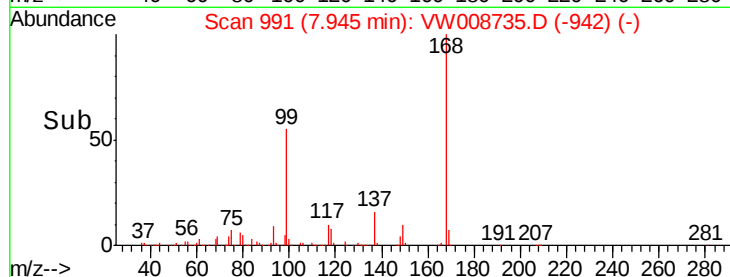
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.477 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008735.D

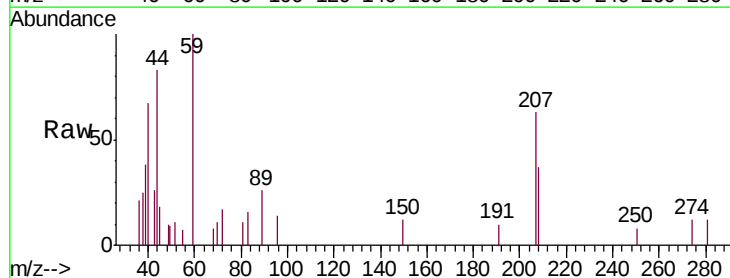
Acq: 18 Feb 2019 18:13

Tgt Ion: 59 Resp: 436

Ion Ratio Lower Upper

59 100

57 31.9 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

800

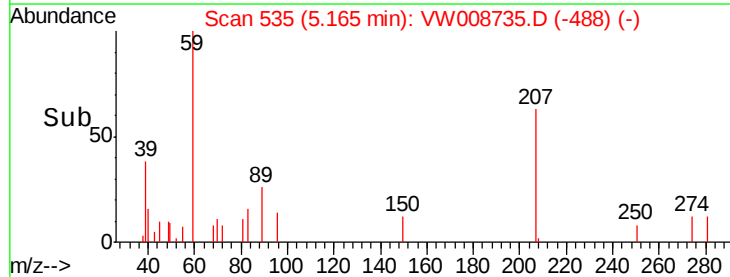
600

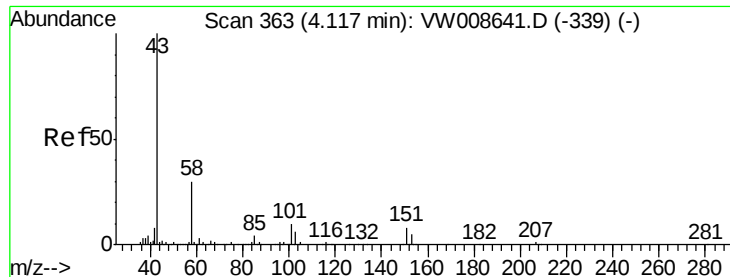
400

200

0

Time-->





#16

Acetone

Concen: 43.004 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008735.D

Acq: 18 Feb 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

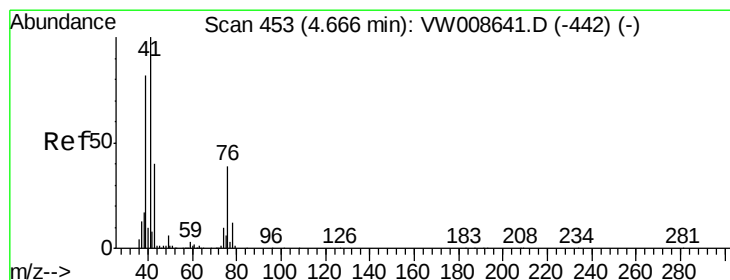
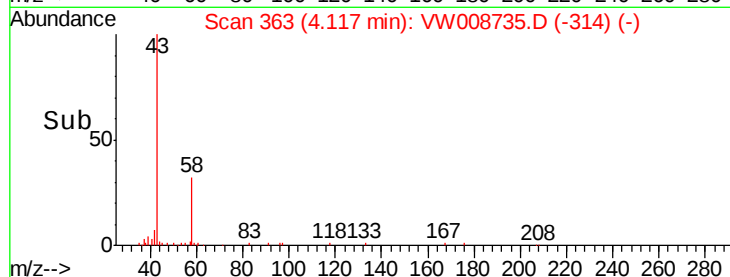
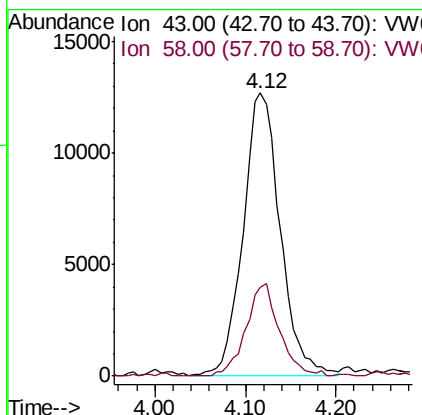
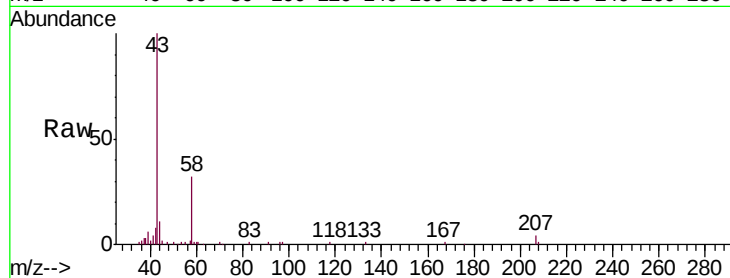
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 43 Resp: 36104

Ion Ratio Lower Upper

43 100

58 31.5 24.1 36.1



#18

Methyl Acetate

Concen: 1.261 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008735.D

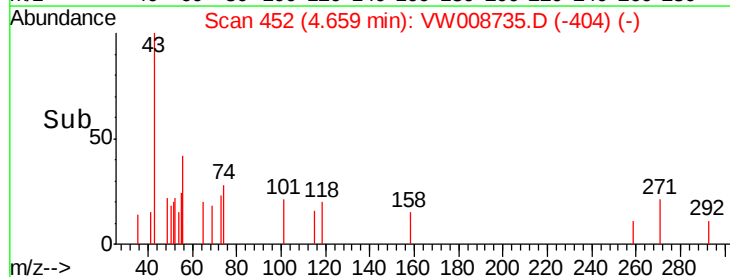
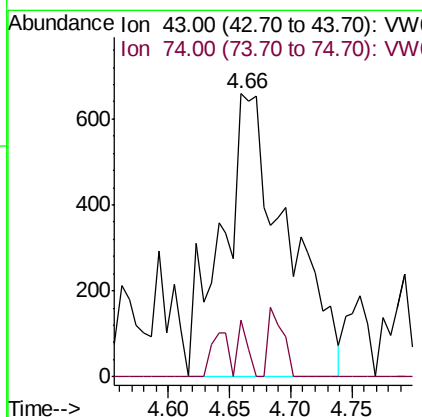
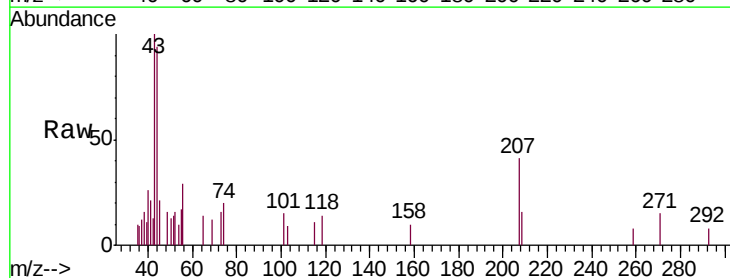
Acq: 18 Feb 2019 18:13

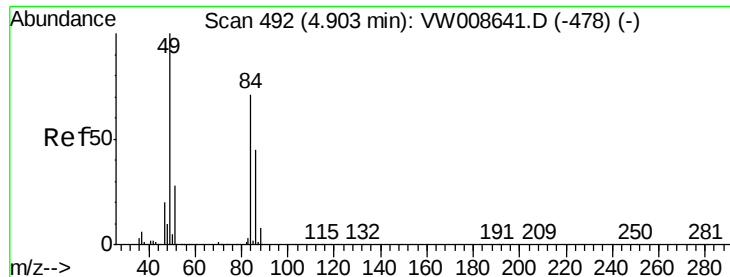
Tgt Ion: 43 Resp: 2419

Ion Ratio Lower Upper

43 100

74 2.9 19.0 28.4#

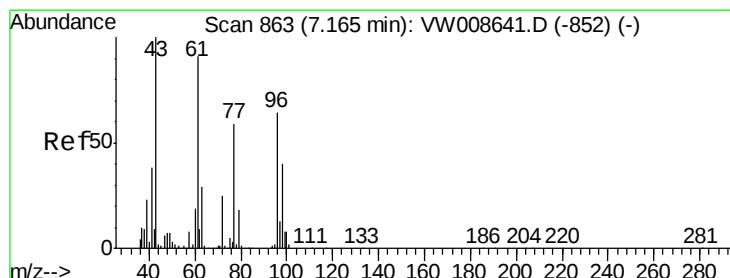
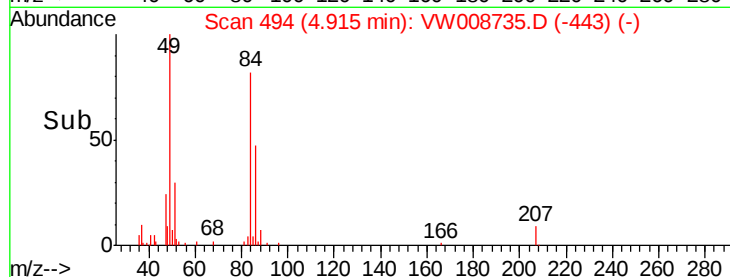
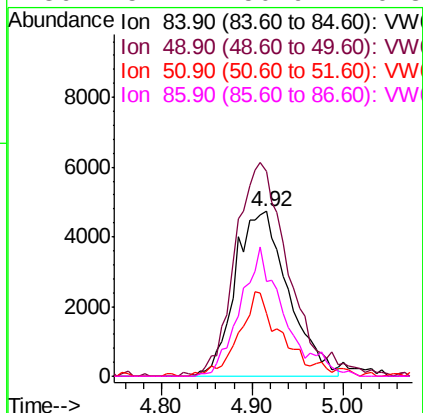
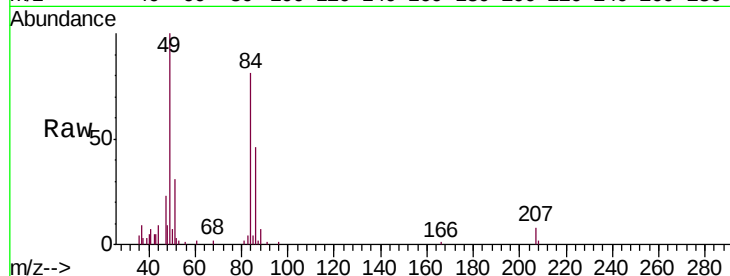




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008735.D
Acq: 18 Feb 2019 18:13

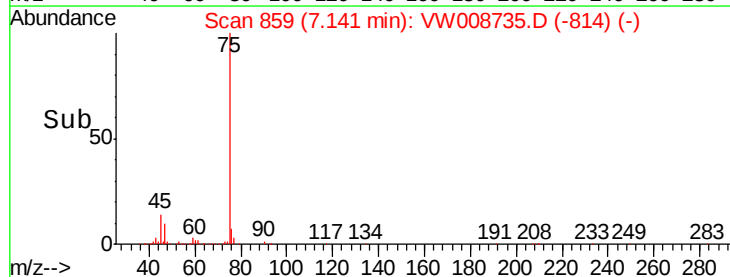
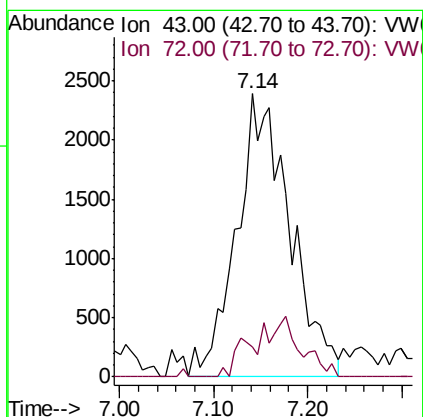
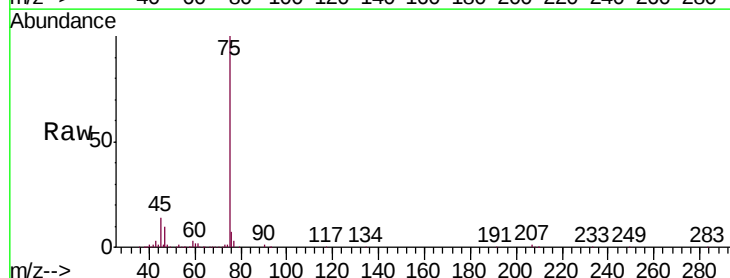
Instrument :
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CABLE-BRIDGE-FOUNDATION-D-5

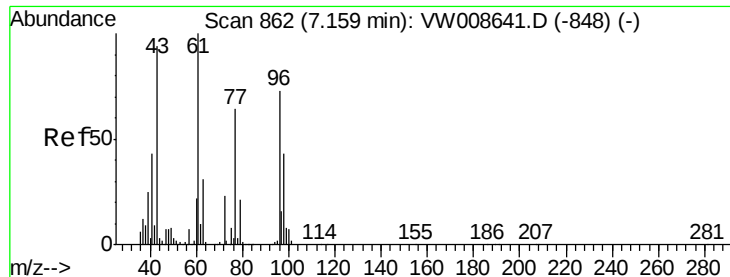
Tgt Ion:	84	Resp:	19233
Ion	Ratio	Lower	Upper
84	100		
49	122.5	113.3	169.9
51	38.0	32.1	48.1
86	57.1	50.9	76.3



#25
2-Butanone
Concen: 7.967 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW008735.D
Acq: 18 Feb 2019 18:13

Tgt Ion:	43	Resp:	9445
Ion	Ratio	Lower	Upper
43	100		
72	10.7	19.7	29.5#

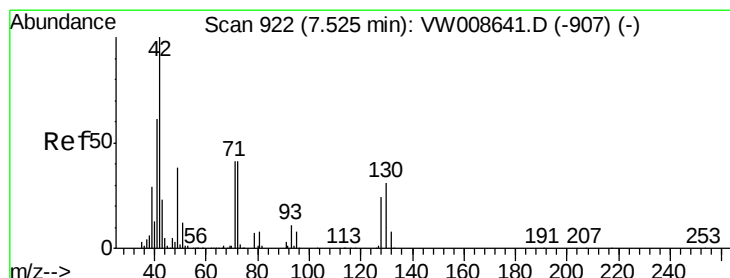
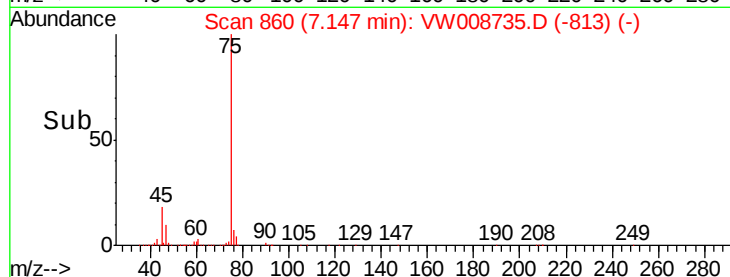
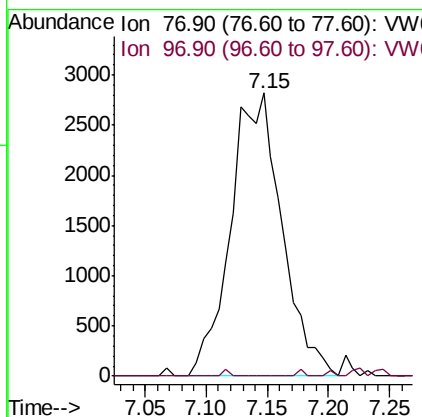
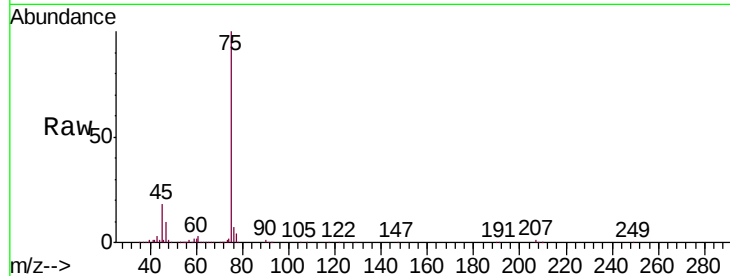




#26
 2,2-Dichloropropane
 Concen: 1.963 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW008735.D
 Acq: 18 Feb 2019 18:13

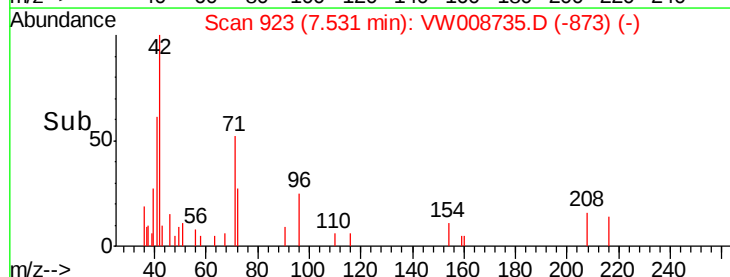
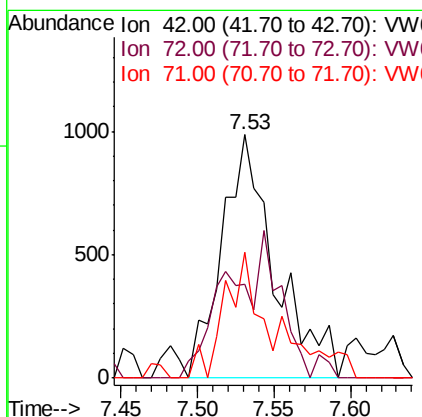
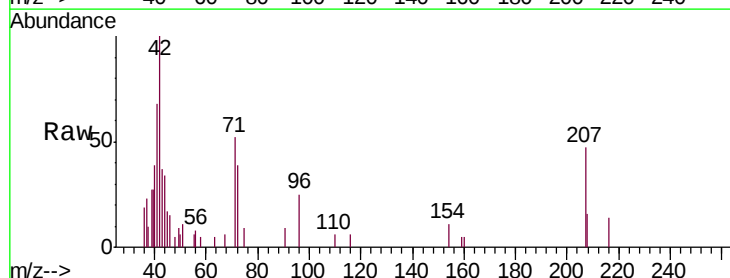
Instrument :
 MSVOA_W
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-5

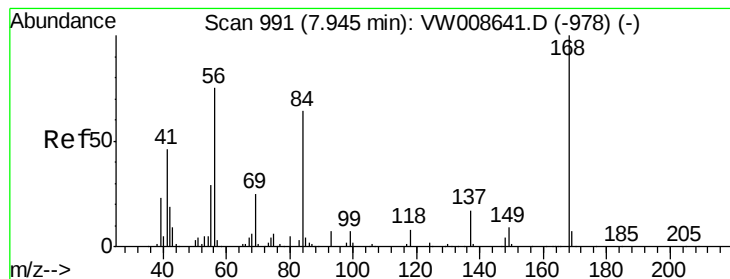
Tgt Ion: 77 Resp: 8196
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 3.037 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW008735.D
 Acq: 18 Feb 2019 18:13

Tgt Ion: 42 Resp: 2373
 Ion Ratio Lower Upper
 42 100
 72 24.9 32.2 48.2#
 71 32.5 31.0 46.6





#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008735.D

Acq: 18 Feb 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

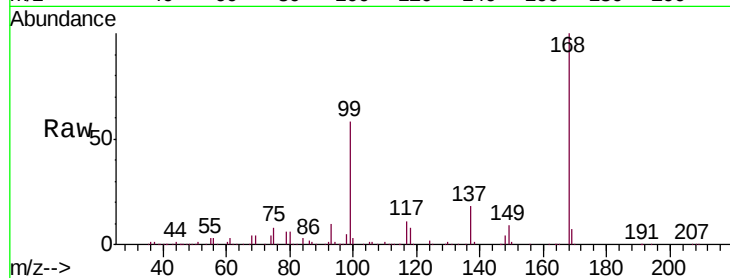
Tgt Ion: 56 Resp: 7794

Ion Ratio Lower Upper

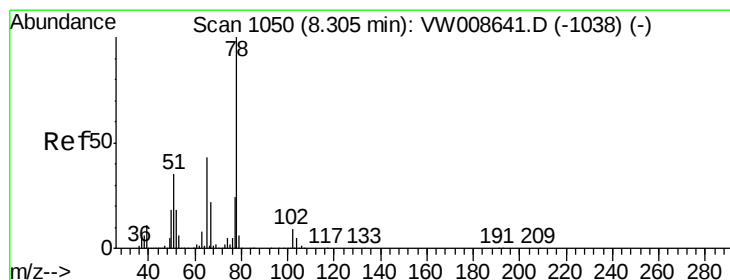
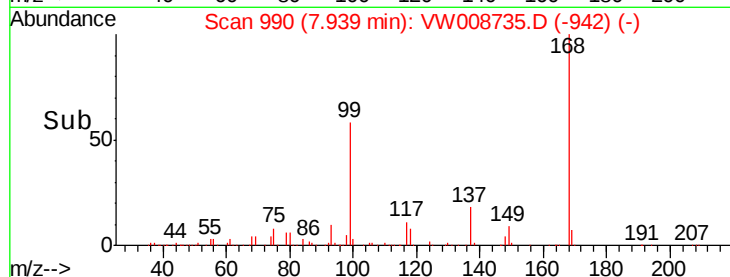
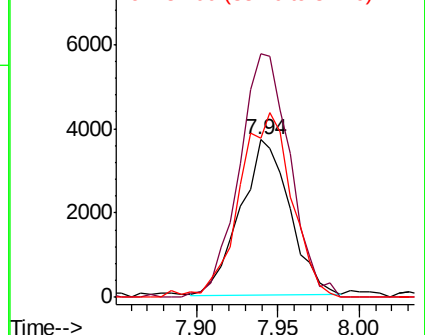
56 100

69 157.5 26.4 39.6#

84 103.2 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: 51.196 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008735.D

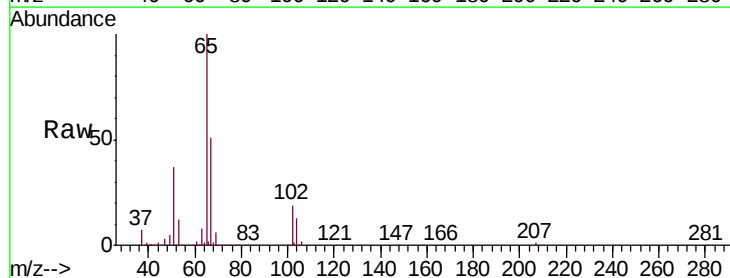
Acq: 18 Feb 2019 18:13

Tgt Ion: 65 Resp: 188883

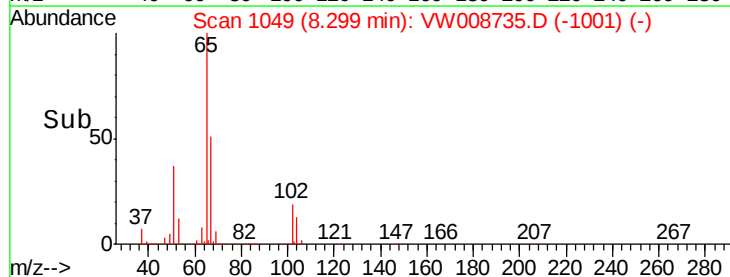
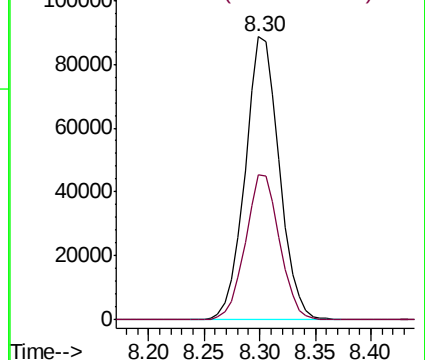
Ion Ratio Lower Upper

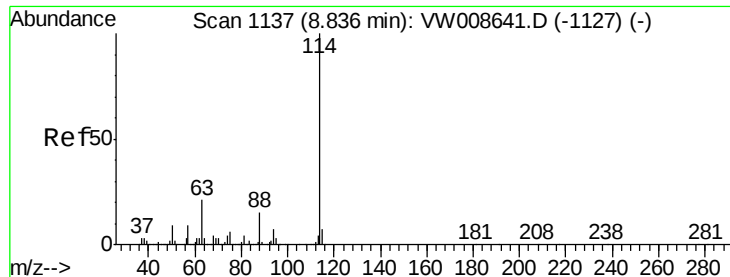
65 100

67 51.5 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: VW008735.D

Acq: 18 Feb 2019 18:13

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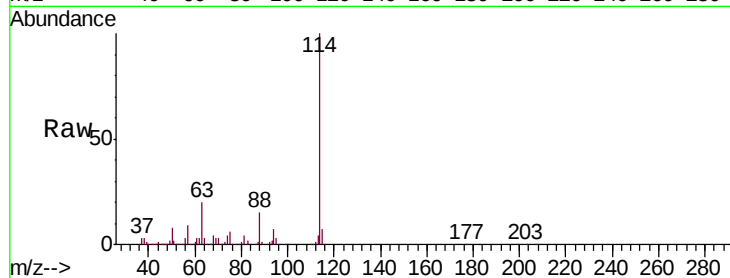
Tgt Ion:114 Resp: 528625

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.2

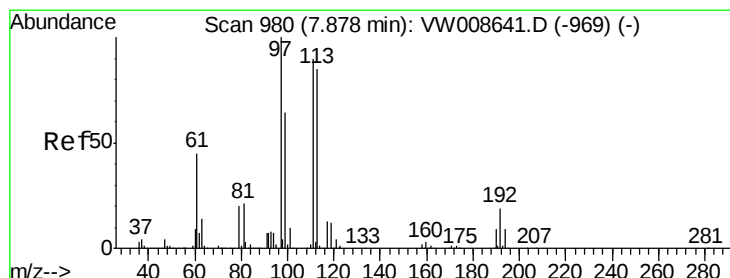
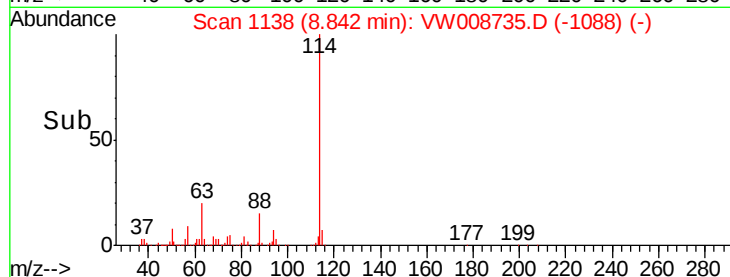
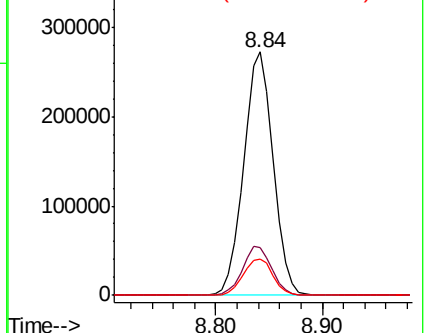
88 15.1 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 51.811 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008735.D

Acq: 18 Feb 2019 18:13

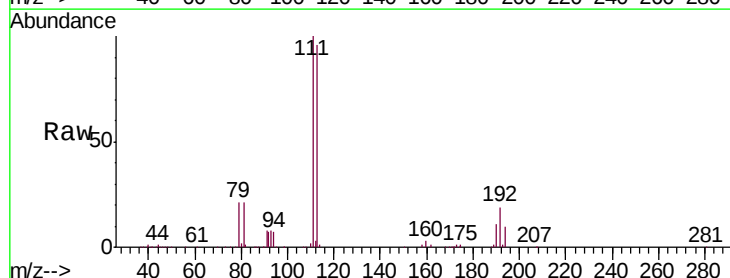
Tgt Ion:113 Resp: 170067

Ion Ratio Lower Upper

113 100

111 103.1 84.0 126.0

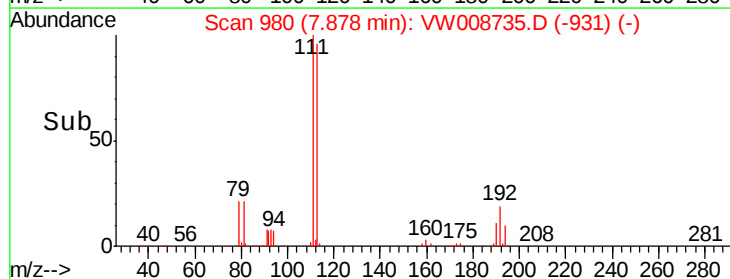
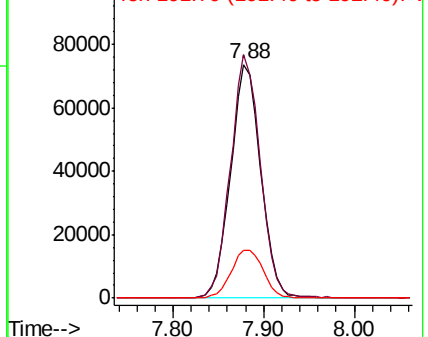
192 21.9 17.4 26.2

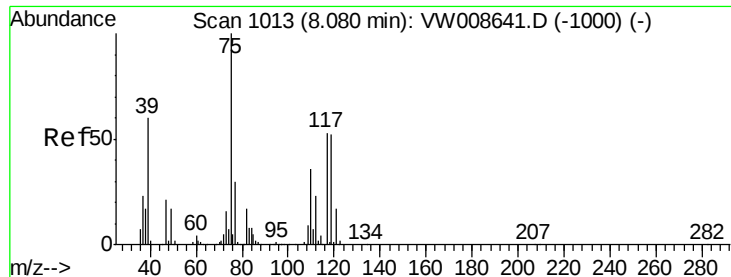


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

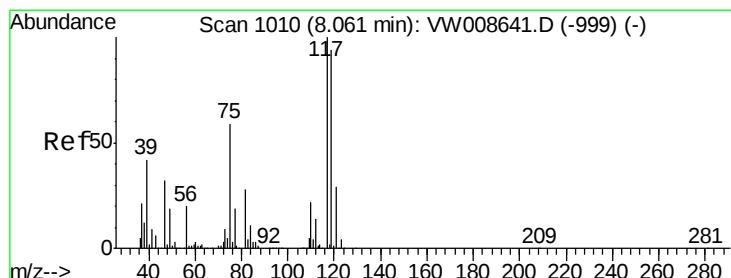
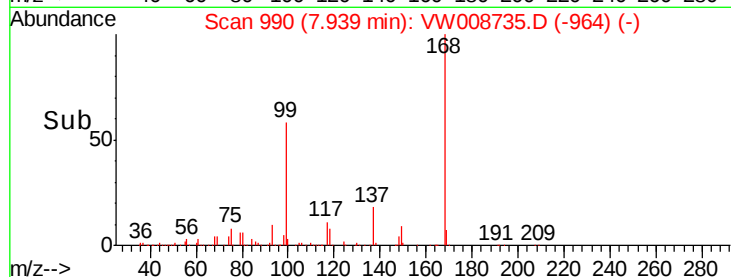
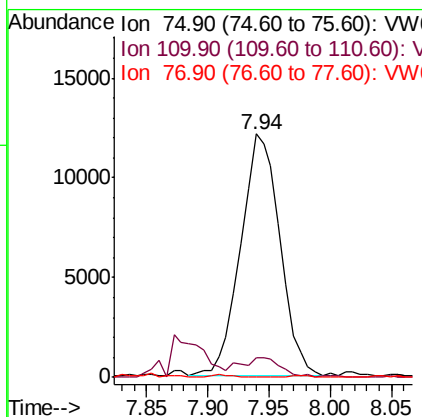
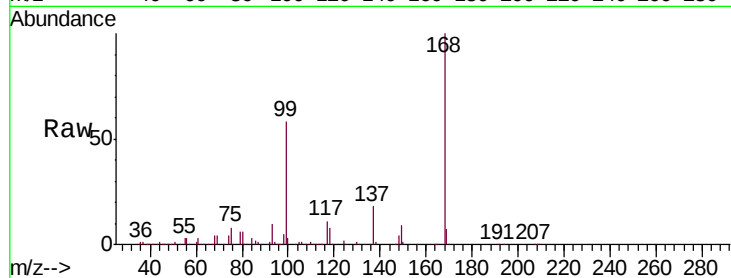




#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008735.D
 Acq: 18 Feb 2019 18:13

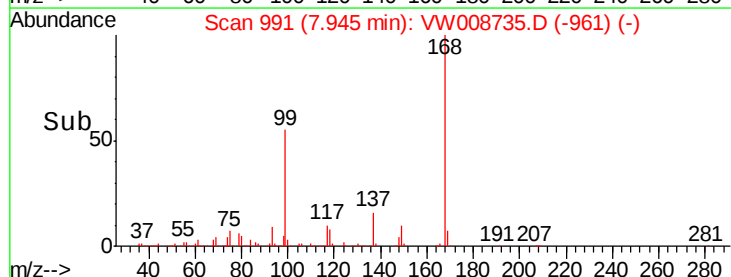
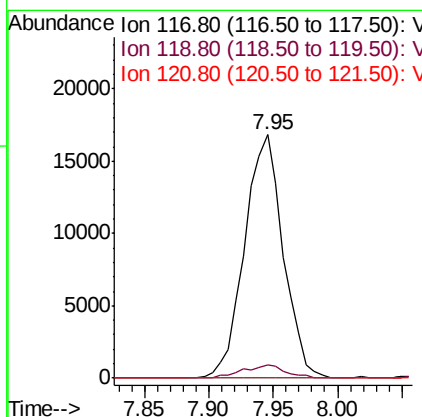
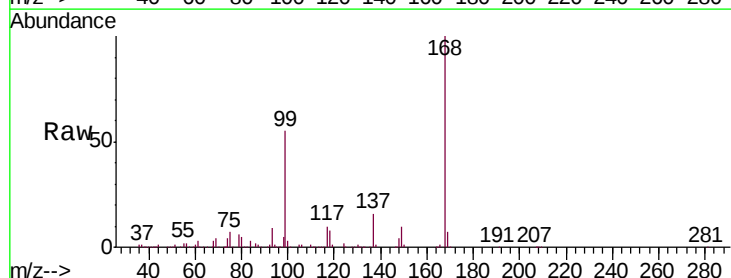
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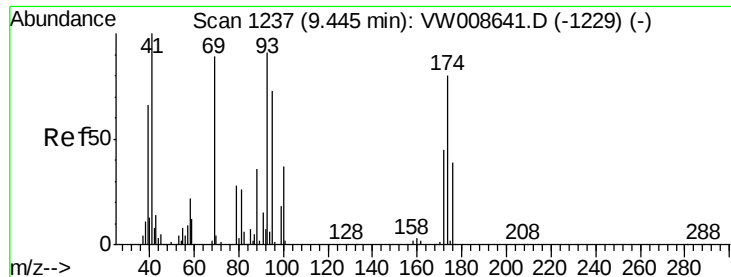
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.8	53.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.582 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008735.D
 Acq: 18 Feb 2019 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.1	112.7#
121	0.0	23.5	35.3#

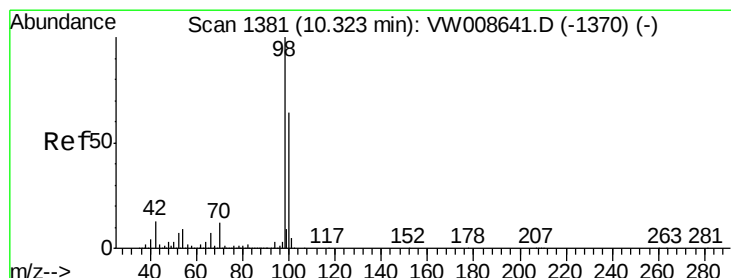
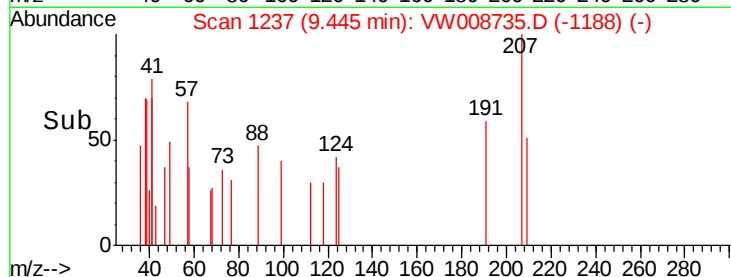
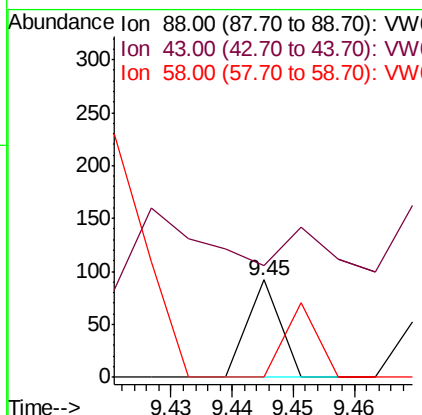
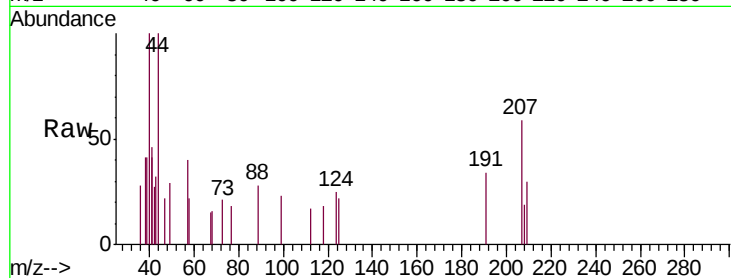




#49
1,4-Dioxane
Concen: 1.077 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008735.D
Acq: 18 Feb 2019 18:13

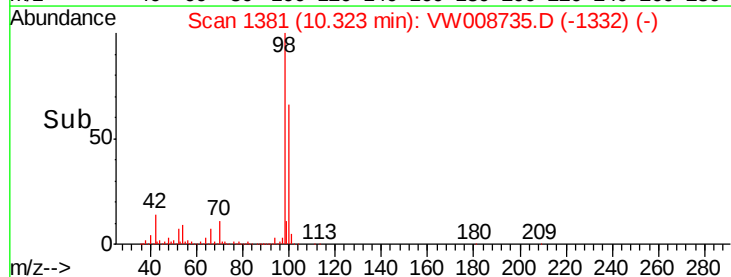
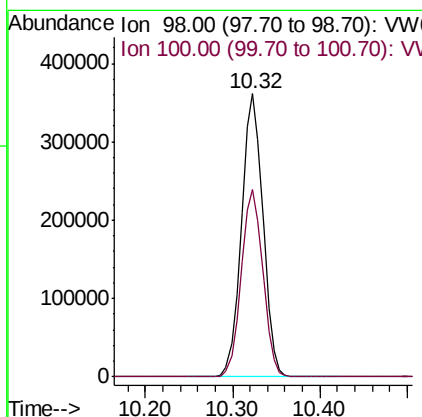
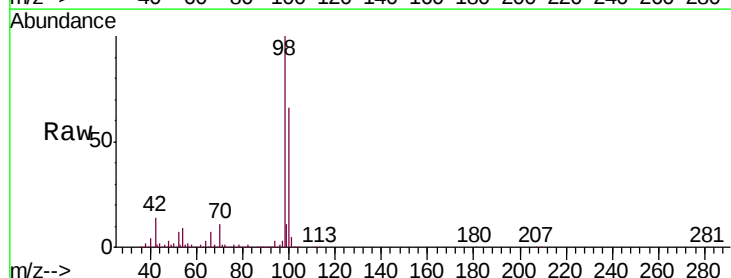
Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

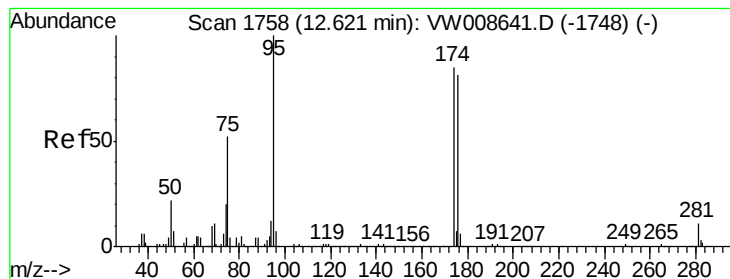
Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 76.5 57.0 85.6



#50
Toluene-d8
Concen: 48.734 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008735.D
Acq: 18 Feb 2019 18:13

Tgt Ion: 98 Resp: 616647
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 39.052 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008735.D

Acq: 18 Feb 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

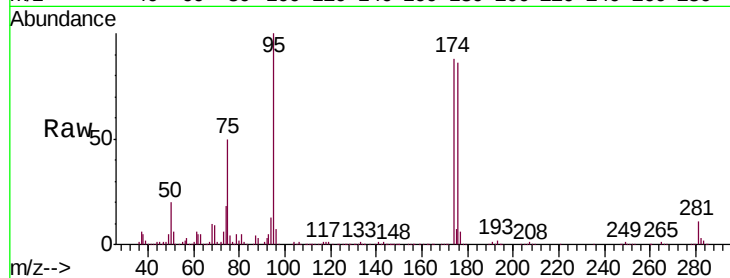
Tgt Ion: 95 Resp: 186128

Ion Ratio Lower Upper

95 100

174 85.5 0.0 163.2

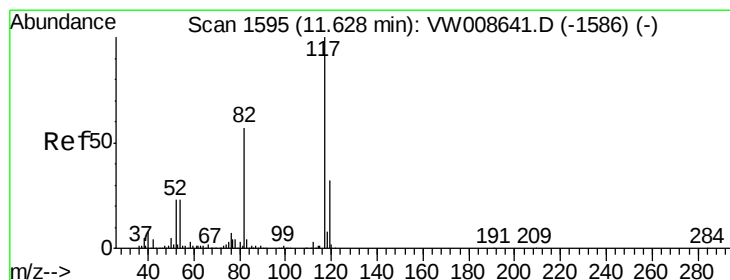
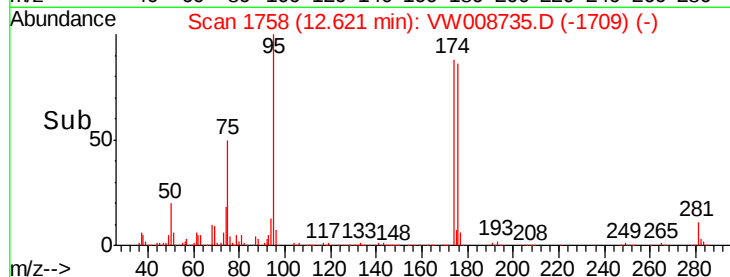
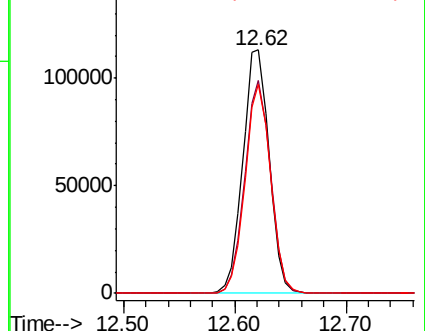
176 83.3 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008735.D

Acq: 18 Feb 2019 18:13

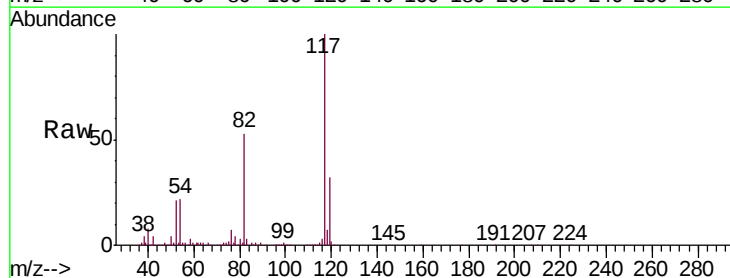
Tgt Ion: 117 Resp: 437938

Ion Ratio Lower Upper

117 100

82 52.8 45.6 68.4

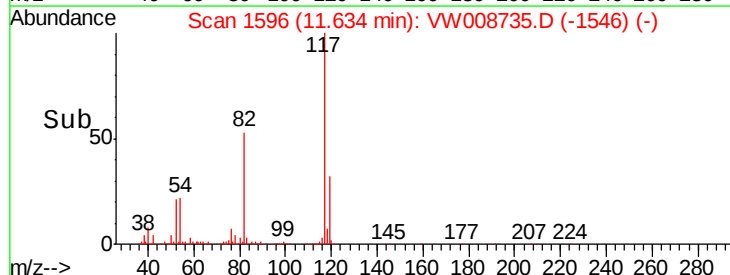
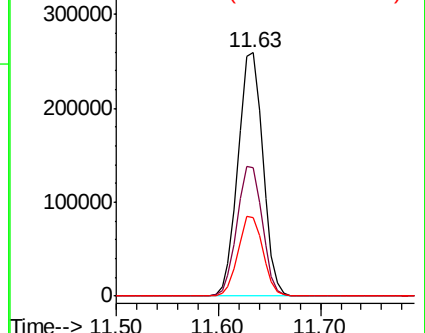
119 32.5 25.7 38.5

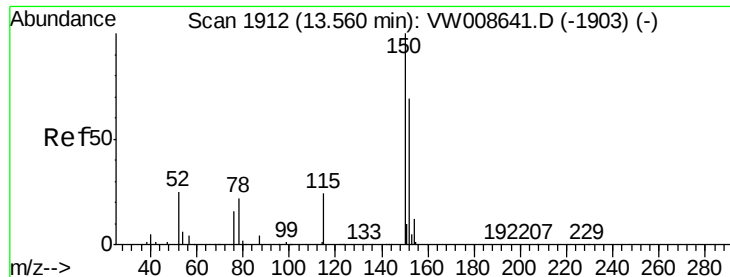


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



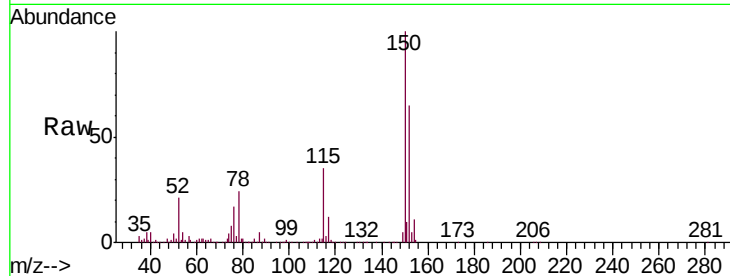


#72

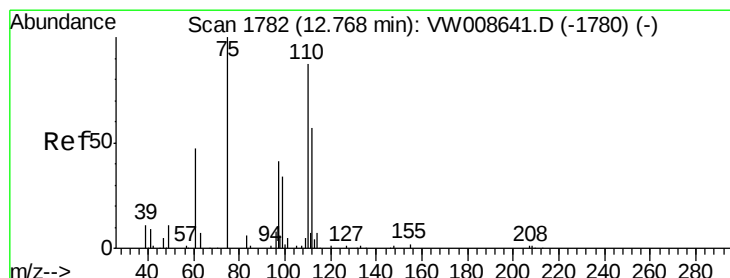
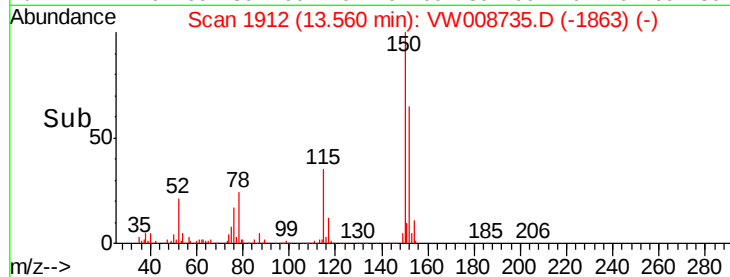
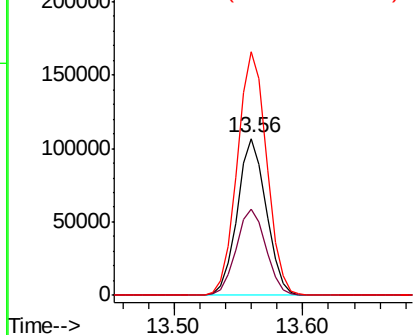
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008735.D
Acq: 18 Feb 2019 18:13

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 152 Resp: 165732
Ion Ratio Lower Upper
152 100
115 56.9 29.3 87.8
150 158.3 0.0 352.8



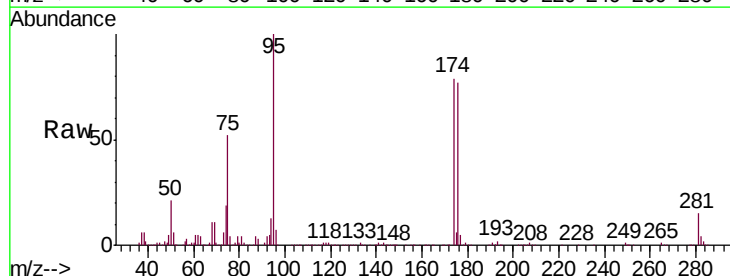
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



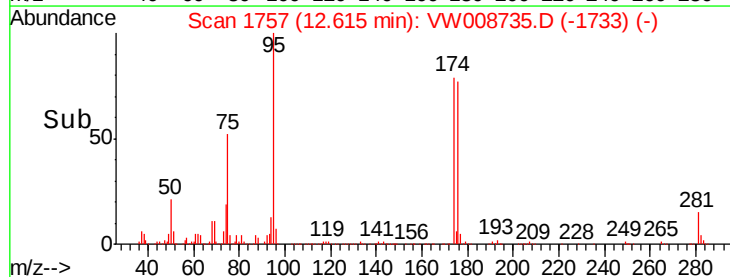
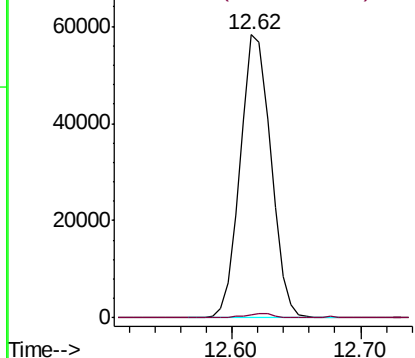
#76

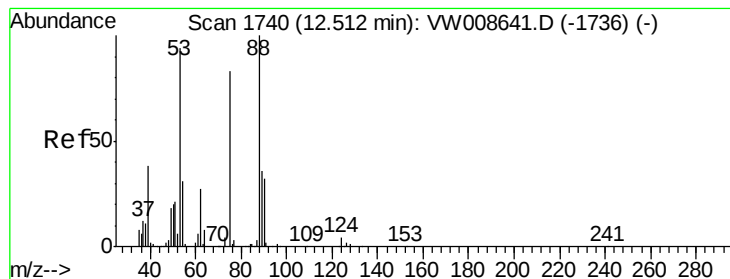
1,2,3-Trichloropropane
Concen: 58.701 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008735.D
Acq: 18 Feb 2019 18:13

Tgt Ion: 75 Resp: 96066
Ion Ratio Lower Upper
75 100
77 1.5 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: 125.422 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008735.D

Acq: 18 Feb 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-5

Tgt Ion: 75 Resp: 96066

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.0 37.0 55.4#

