

Data File : VW008733.D
Acq On : 18 Feb 2019 17:19
Operator : SY/VA
Sample : K1518-05
Misc : 5.75G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

Quant Time: Feb 19 03:31:43 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	360272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	546083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	446532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	195831	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	7.88	113	174420	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.32	98	638951	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.62	95	190888	38.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.54%	

Target Compounds

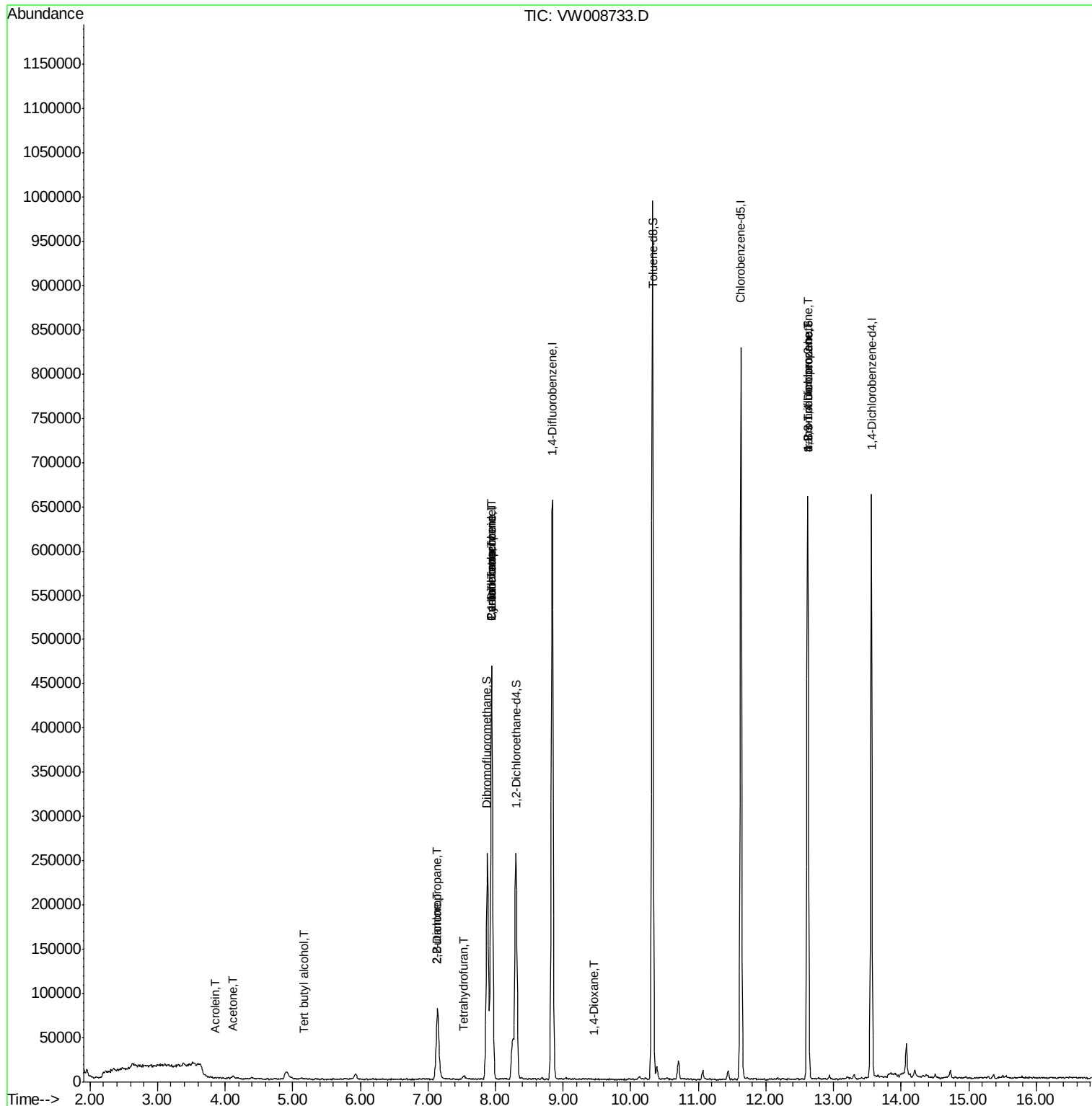
						Qvalue
11) Tert butyl alcohol	5.17	59	902	3.010	ug/l #	82
13) Acrolein	3.87	56	383	1.240	ug/l #	1
16) Acetone	4.12	43	5082	5.963	ug/l	89
20) Methylene Chloride	4.91	84	6945	Below Cal	#	89
25) 2-Butanone	7.14	43	5339	4.436	ug/l #	80
26) 2,2-Dichloropropane	7.13	77	6063	1.430	ug/l #	52
29) Tetrahydrofuran	7.53	42	3034	3.825	ug/l #	79
31) Cyclohexane	7.94	56	8037	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	27404	4.995	ug/l #	50
38) Carbon Tetrachloride	7.95	117	34630	6.348	ug/l #	17
49) 1,4-Dioxane	9.45	88	65	1.993	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	97914	58.949	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	97914	125.940	ug/l #	6

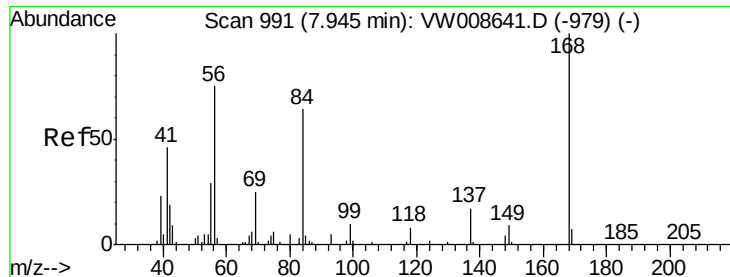
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008733.D

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MSVOA_W

ClientSampleId :

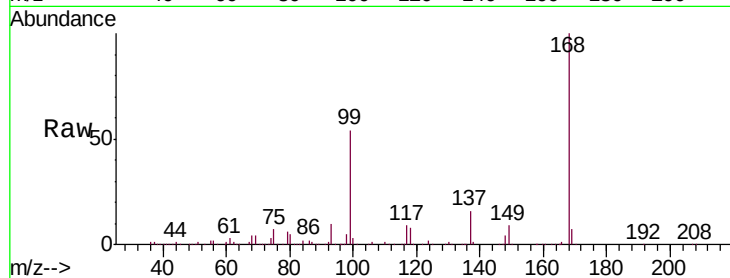
CABLE-BRIDGE-FOUNDATION-D-3

Tgt Ion:168 Resp: 360272

Ion Ratio Lower Upper

168 100

99 53.5 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

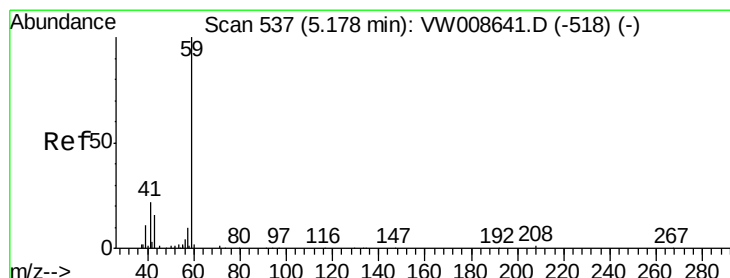
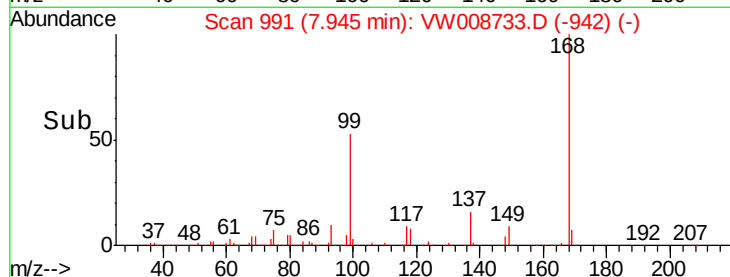
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.010 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW008733.D

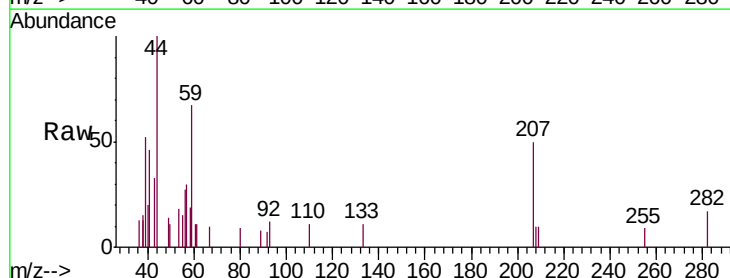
Acq: 18 Feb 2019 17:19

Tgt Ion: 59 Resp: 902

Ion Ratio Lower Upper

59 100

57 17.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

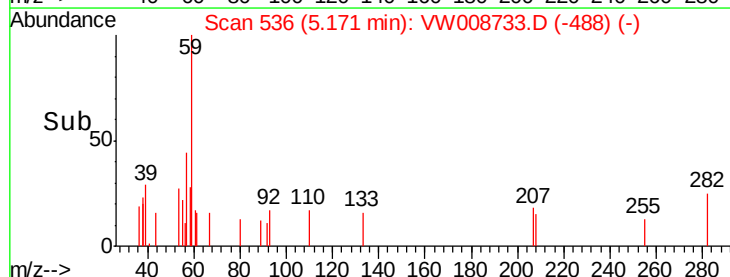
300

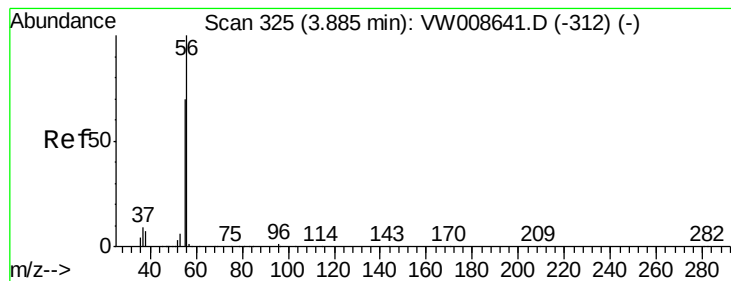
200

100

0

Time-->





#13

Acrolein

Concen: 1.240 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008733.D

Acq: 18 Feb 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

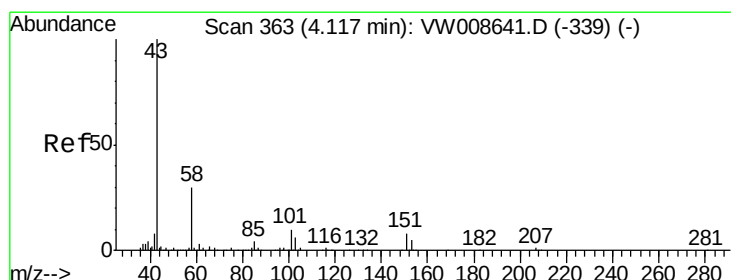
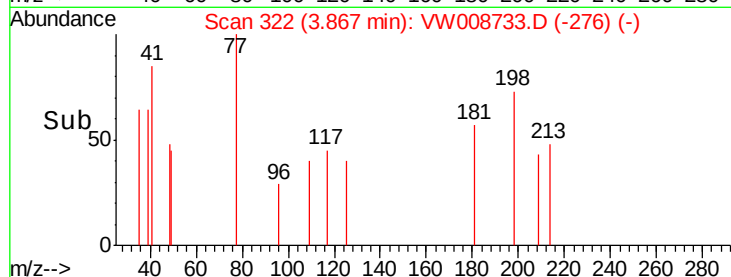
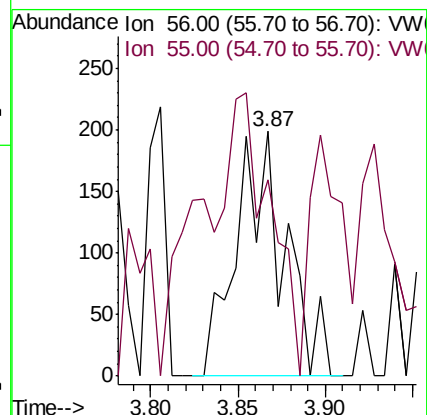
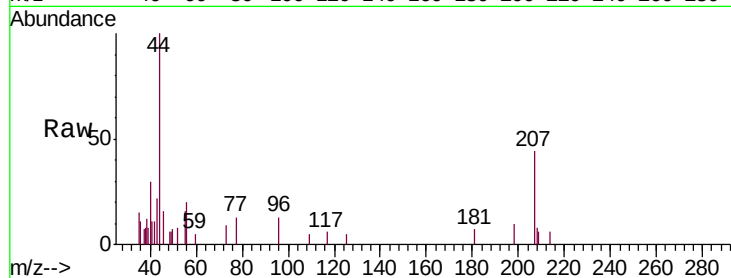
CABLE-BRIDGE-FOUNDATION-D-3

Tgt Ion: 56 Resp: 383

Ion Ratio Lower Upper

56 100

55 163.2 57.4 86.2#



#16

Acetone

Concen: 5.963 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008733.D

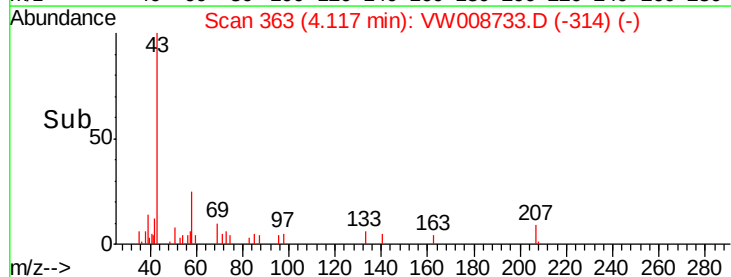
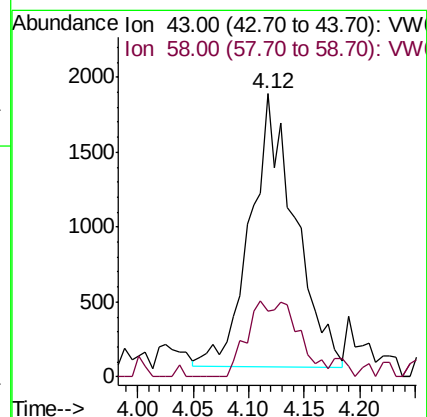
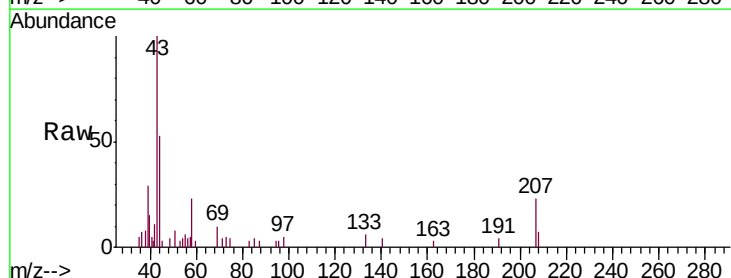
Acq: 18 Feb 2019 17:19

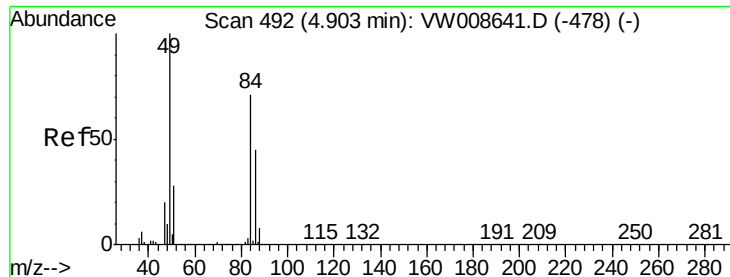
Tgt Ion: 43 Resp: 5082

Ion Ratio Lower Upper

43 100

58 24.4 24.1 36.1

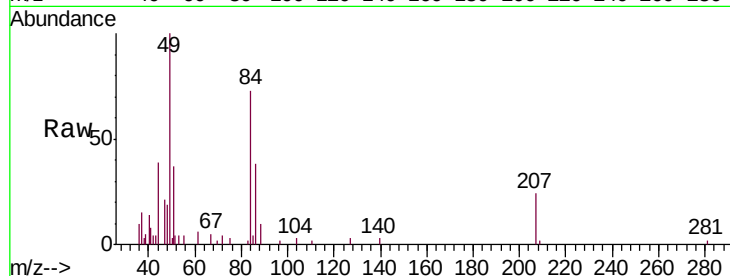




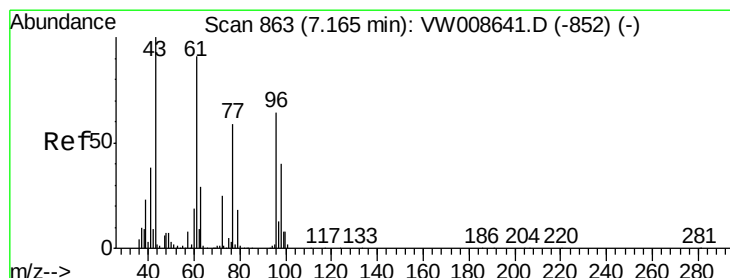
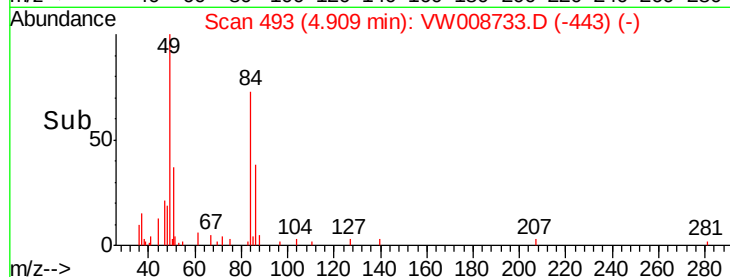
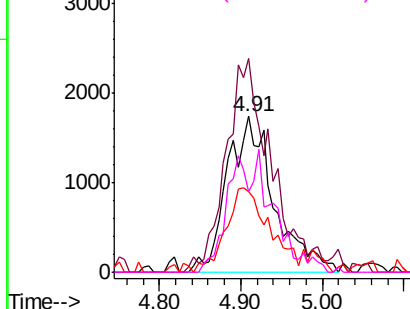
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008733.D
Acq: 18 Feb 2019 17:19

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

Tgt Ion: 84 Resp: 6945
Ion Ratio Lower Upper
84 100
49 133.7 113.3 169.9
51 53.5 32.1 48.1#
86 52.2 50.9 76.3

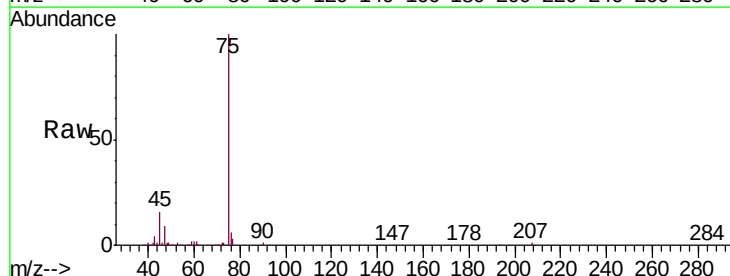


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

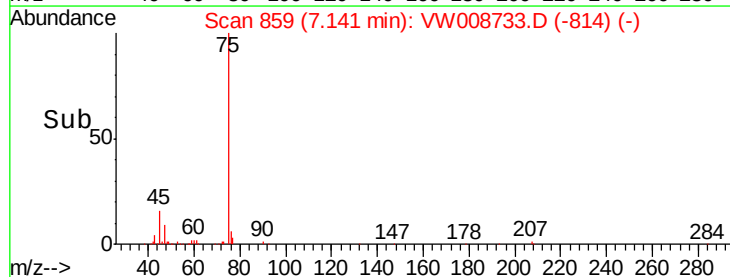
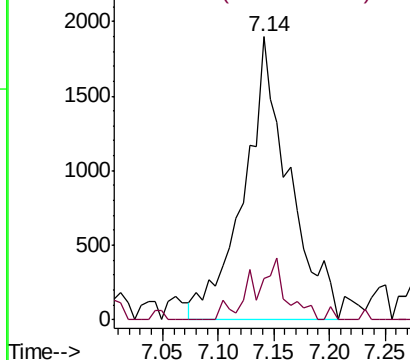


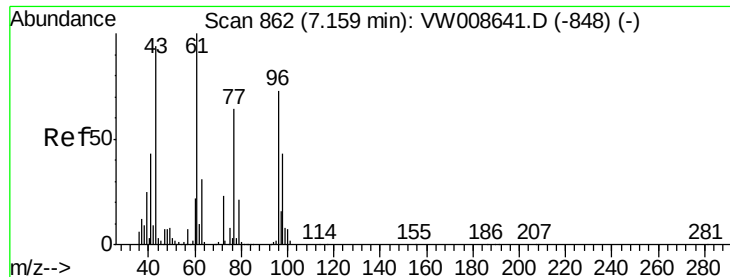
#25
2-Butanone
Concen: 4.436 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW008733.D
Acq: 18 Feb 2019 17:19

Tgt Ion: 43 Resp: 5339
Ion Ratio Lower Upper
43 100
72 14.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

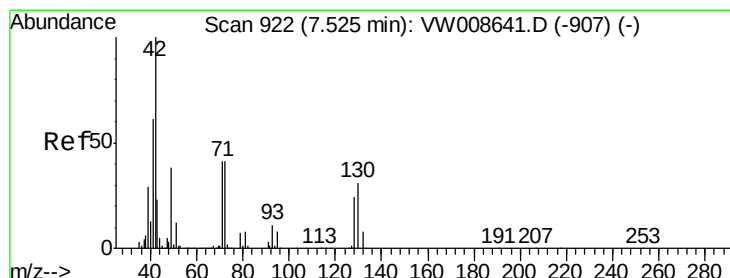
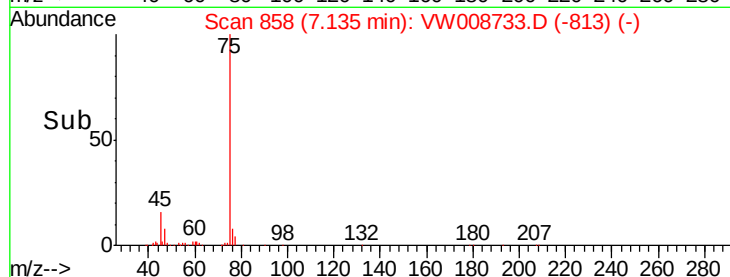
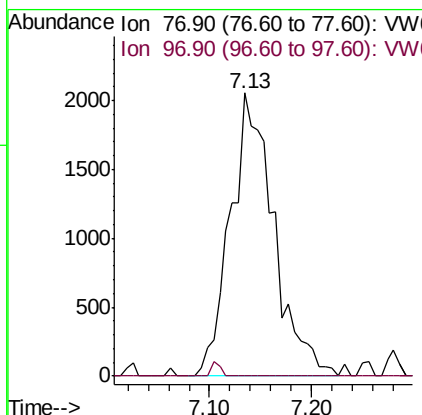
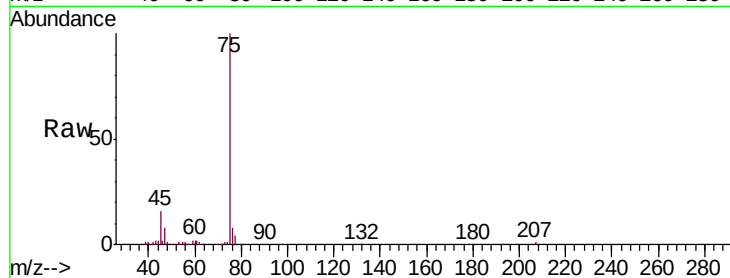




#26
 2,2-Dichloropropane
 Concen: 1.430 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VW008733.D
 Acq: 18 Feb 2019 17:19

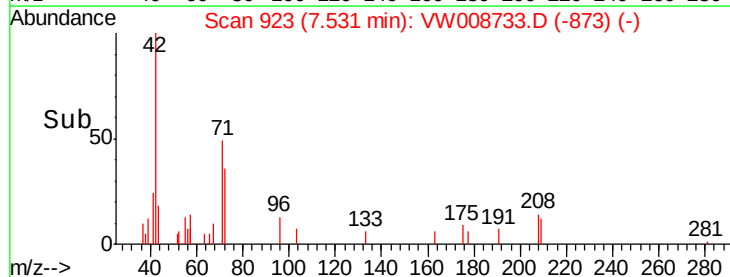
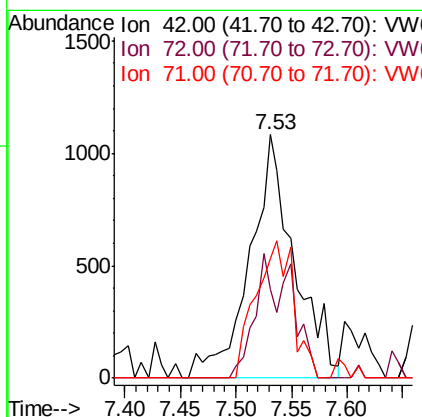
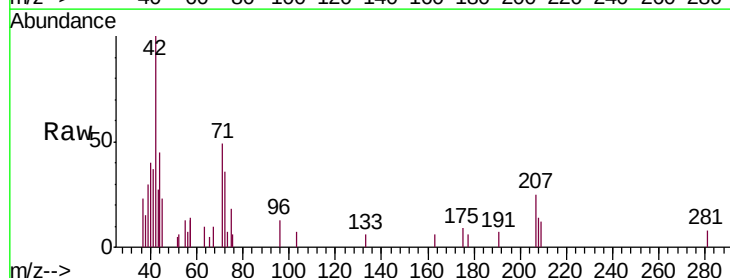
Instrument :
 MSVOA_W
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-3

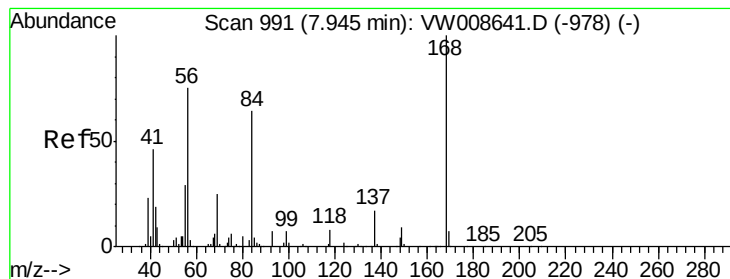
Tgt Ion: 77 Resp: 6063
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 3.825 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW008733.D
 Acq: 18 Feb 2019 17:19

Tgt Ion: 42 Resp: 3034
 Ion Ratio Lower Upper
 42 100
 72 22.8 32.2 48.2#
 71 47.4 31.0 46.6#





#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008733.D

Acq: 18 Feb 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-3

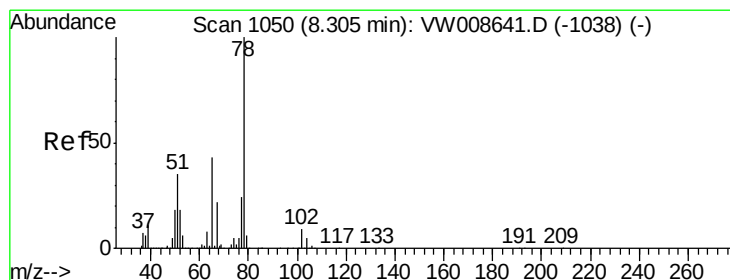
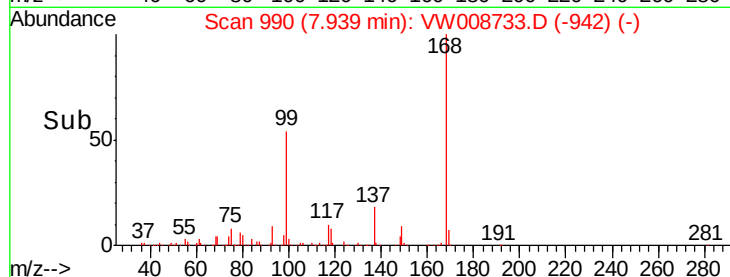
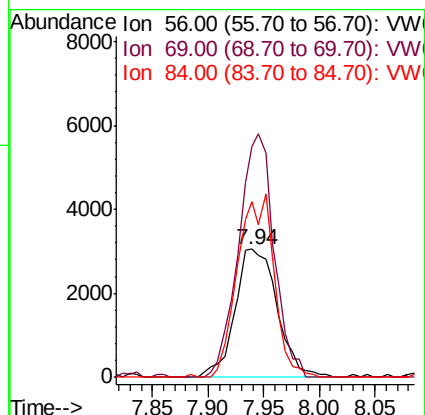
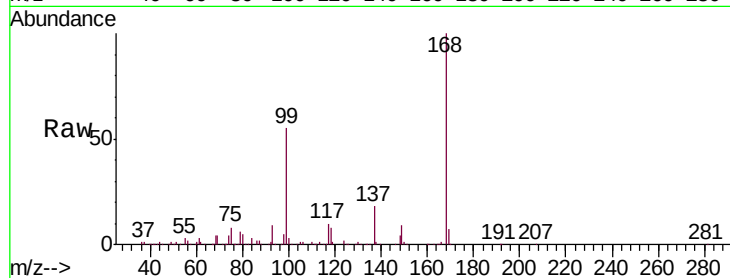
Tgt Ion: 56 Resp: 8037

Ion Ratio Lower Upper

56 100

69 179.9 26.4 39.6#

84 137.0 67.4 101.2#



#33

1,2-Dichloroethane-d4

Concen: 52.284 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008733.D

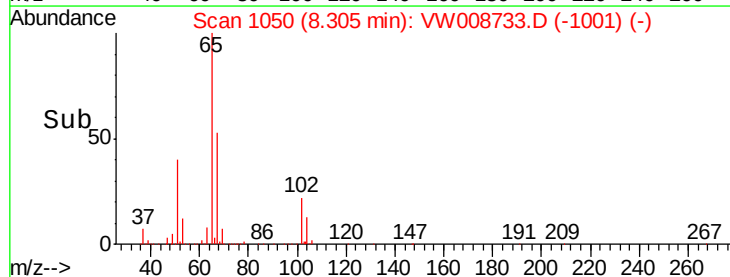
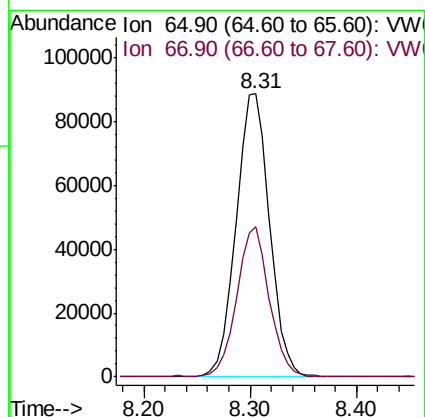
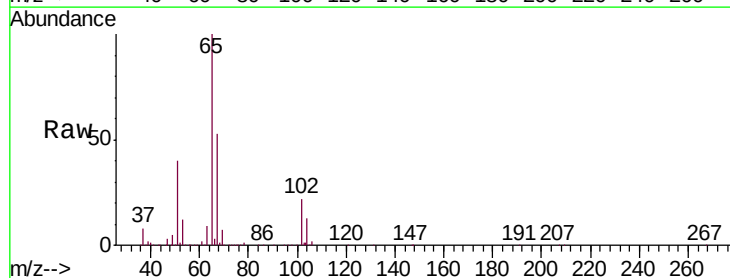
Acq: 18 Feb 2019 17:19

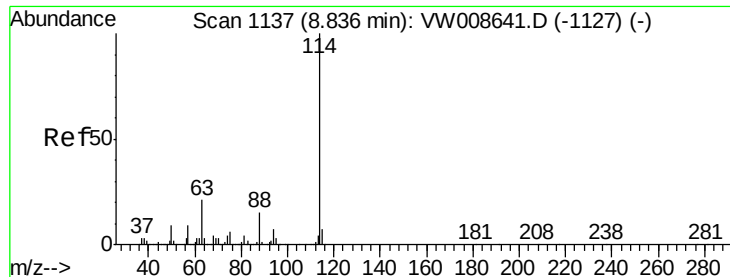
Tgt Ion: 65 Resp: 195831

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0

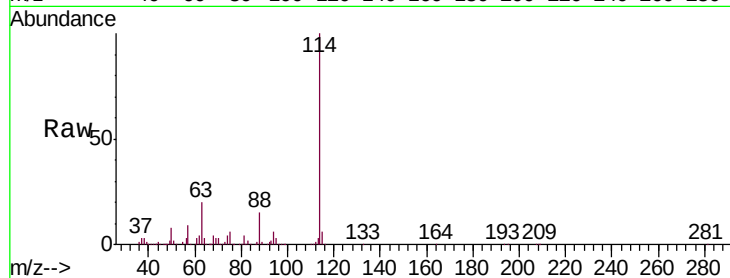




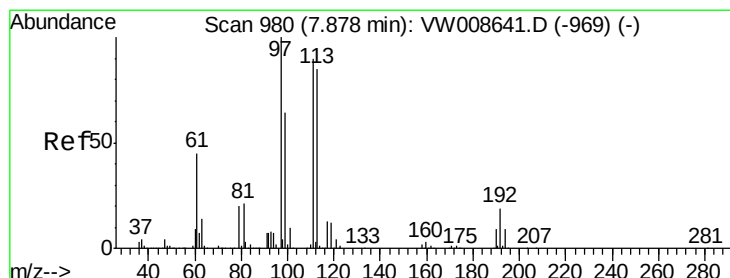
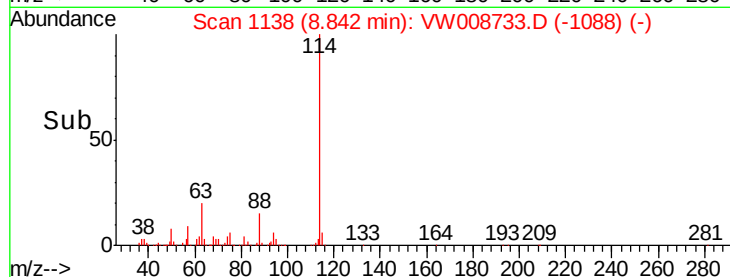
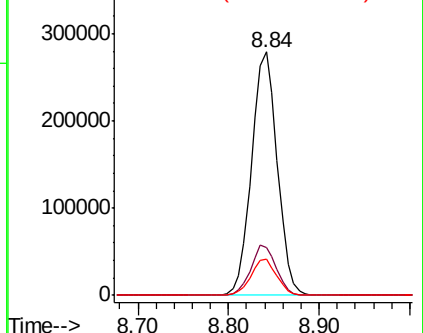
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008733.D
 Acq: 18 Feb 2019 17:19

Instrument :
 MSVOA_W
 ClientSampleId :
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Tgt Ion:114 Resp: 546083
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.2
 88 15.1 0.0 29.6

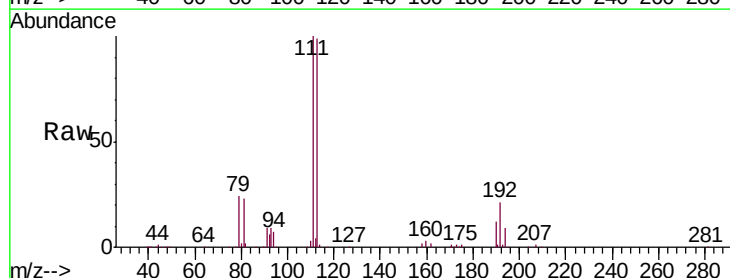


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

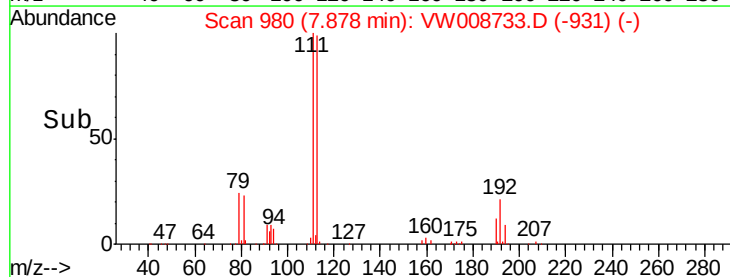
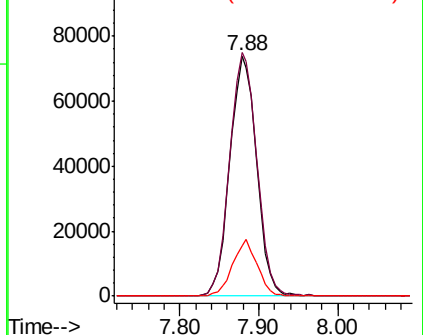


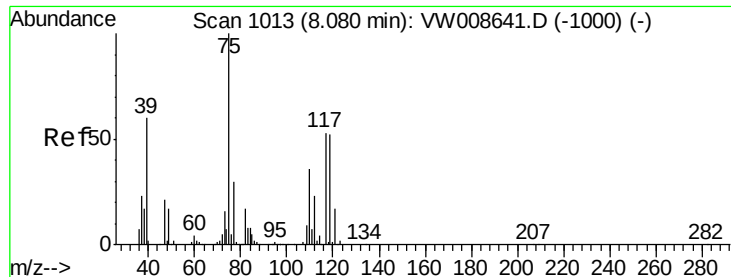
#35
 Dibromofluoromethane
 Concen: 51.439 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008733.D
 Acq: 18 Feb 2019 17:19

Tgt Ion:113 Resp: 174420
 Ion Ratio Lower Upper
 113 100
 111 103.3 84.0 126.0
 192 21.6 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

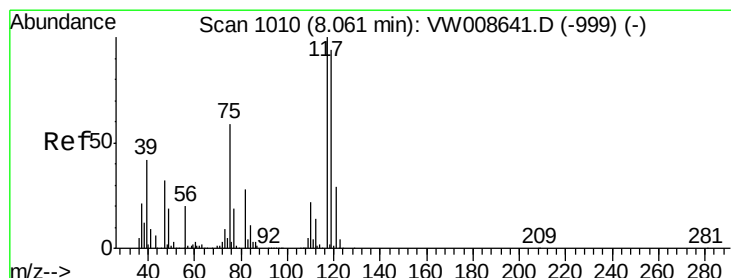
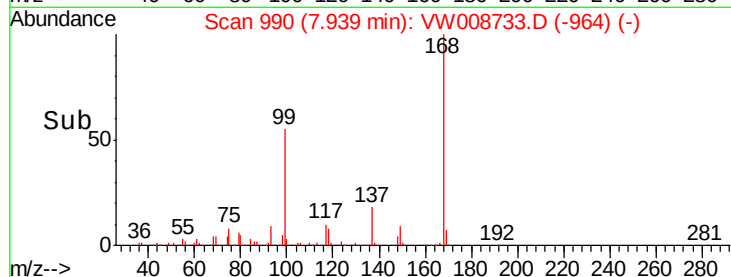
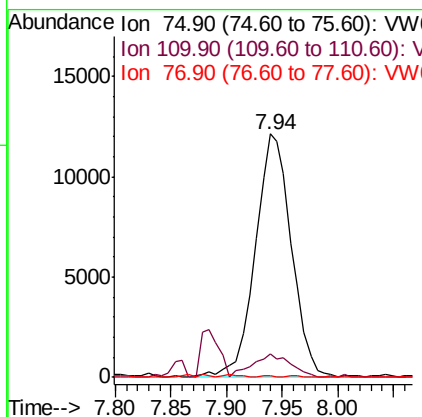
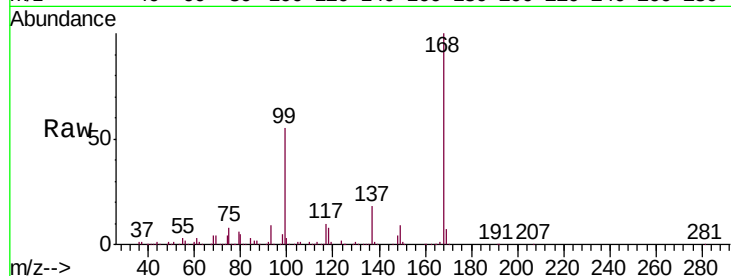




#36
 1,1-Dichloropropene
 Concen: 4.995 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008733.D
 Acq: 18 Feb 2019 17:19

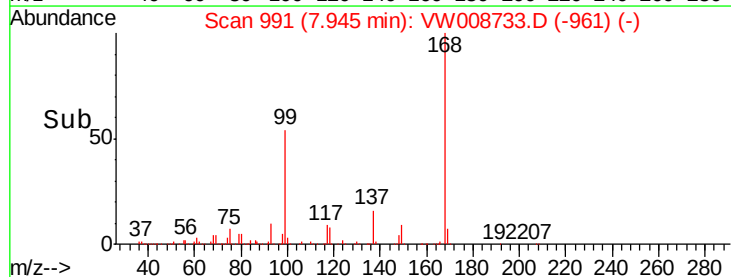
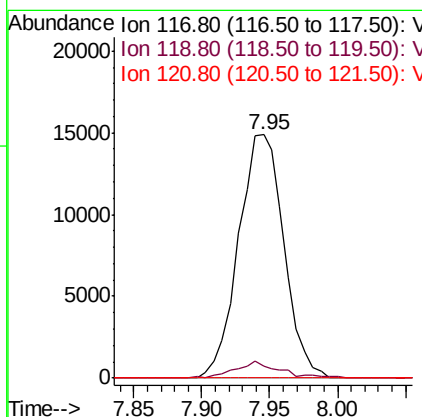
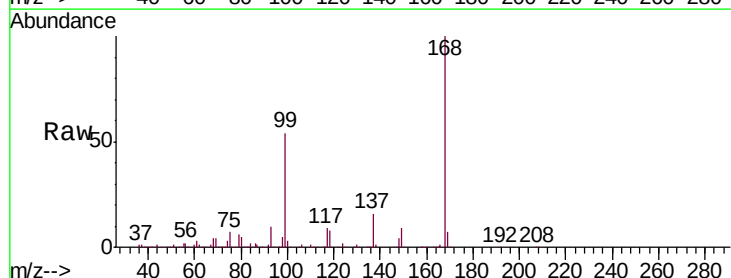
Instrument :
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 CABLE-BRIDGE-FOUNDATION-D-3

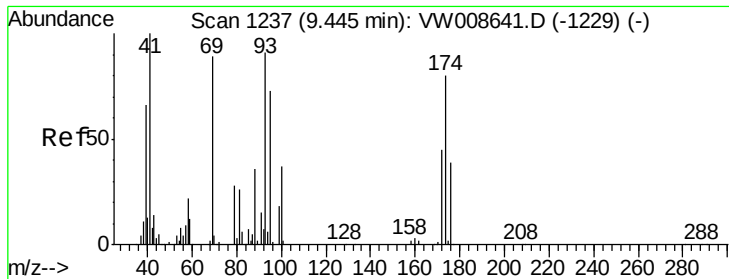
Tgt Ion: 75 Resp: 27404
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.8 53.3#
 77 0.3 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.348 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008733.D
 Acq: 18 Feb 2019 17:19

Tgt Ion: 117 Resp: 34630
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.1 112.7#
 121 0.0 23.5 35.3#

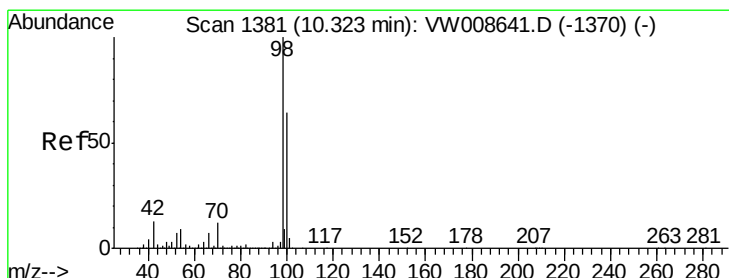
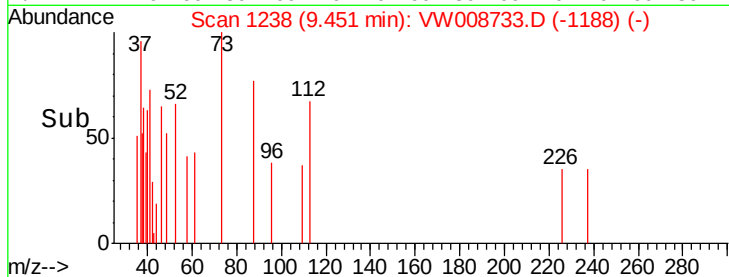
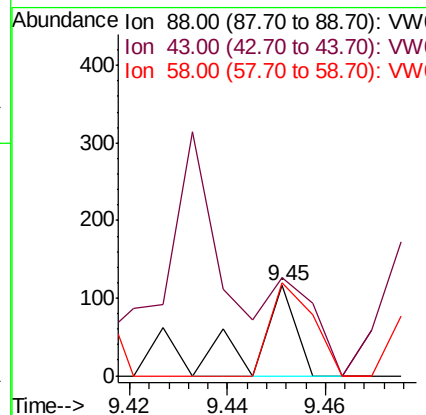
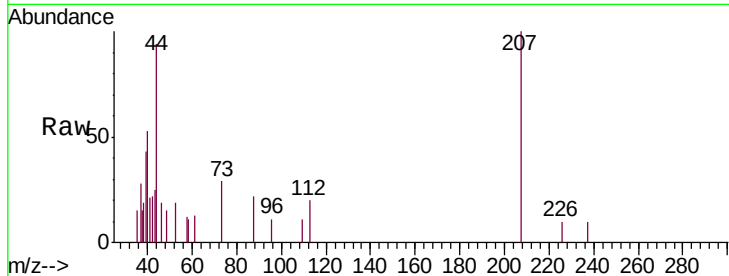




#49
1,4-Dioxane
Concen: 1.993 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008733.D
Acq: 18 Feb 2019 17:19

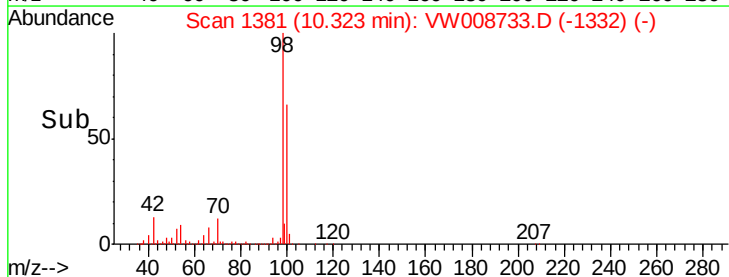
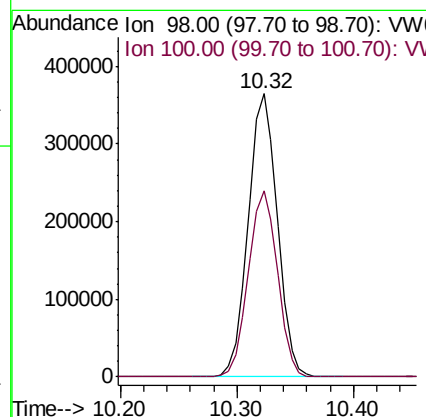
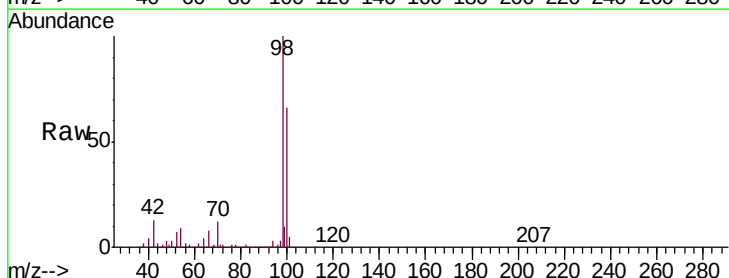
Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

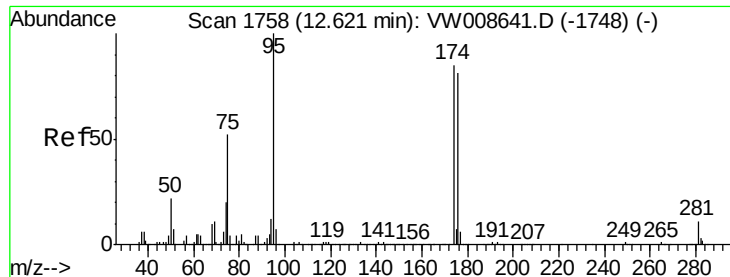
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 110.8 57.0 85.6#



#50
Toluene-d8
Concen: 48.882 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008733.D
Acq: 18 Feb 2019 17:19

Tgt Ion: 98 Resp: 638951
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 38.771 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008733.D

Acq: 18 Feb 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-3

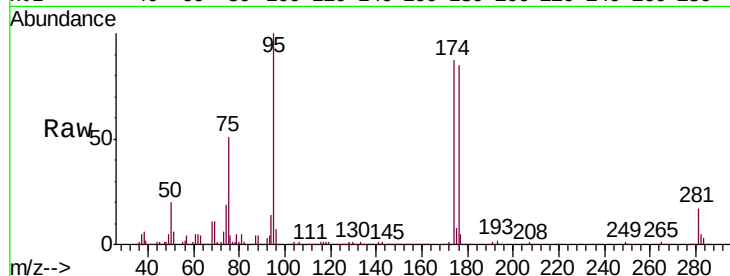
Tgt Ion: 95 Resp: 190888

Ion Ratio Lower Upper

95 100

174 84.5 0.0 163.2

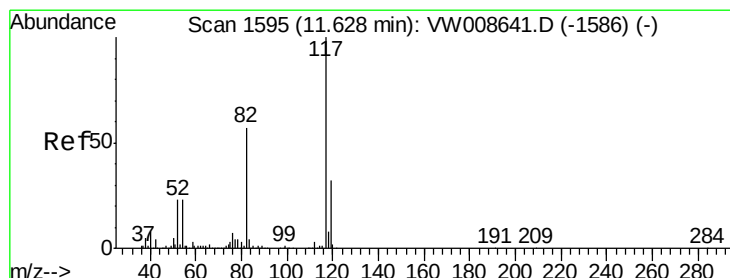
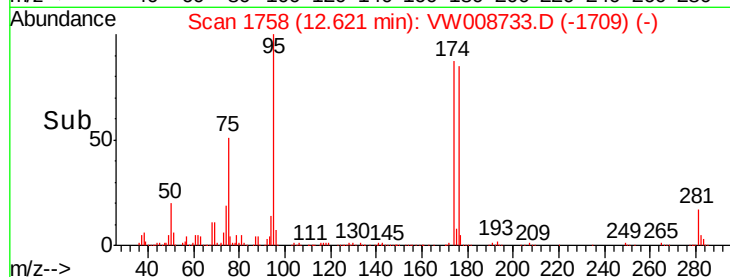
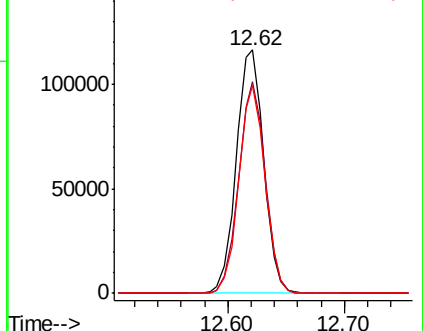
176 81.9 0.0 158.0



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: VW008733.D

Acq: 18 Feb 2019 17:19

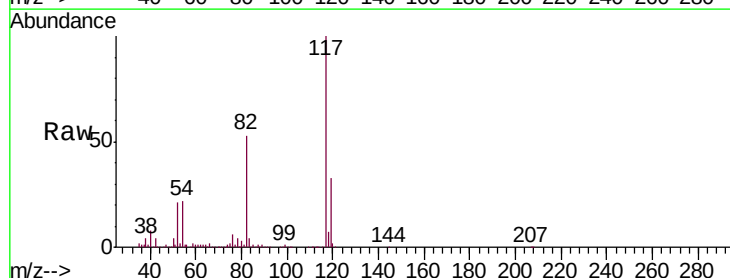
Tgt Ion: 117 Resp: 446532

Ion Ratio Lower Upper

117 100

82 52.6 45.6 68.4

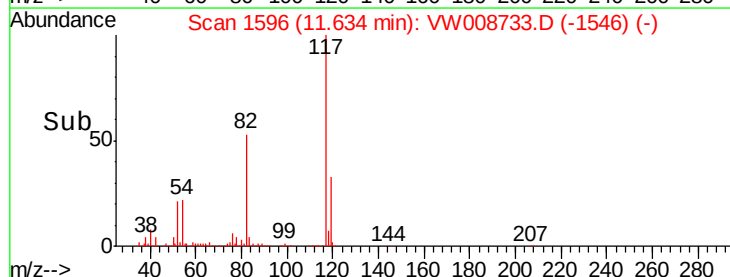
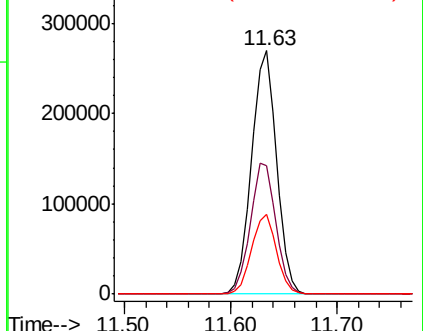
119 32.7 25.7 38.5

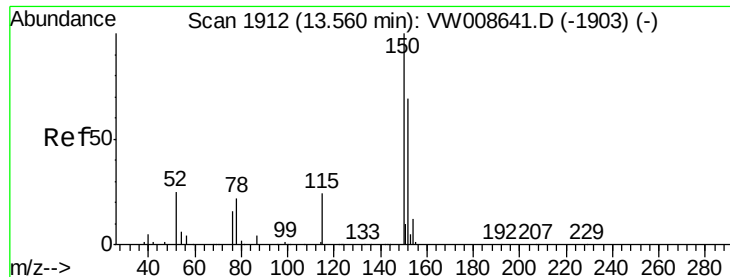


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



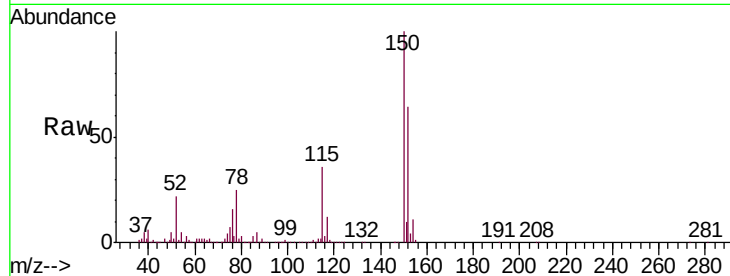


#72

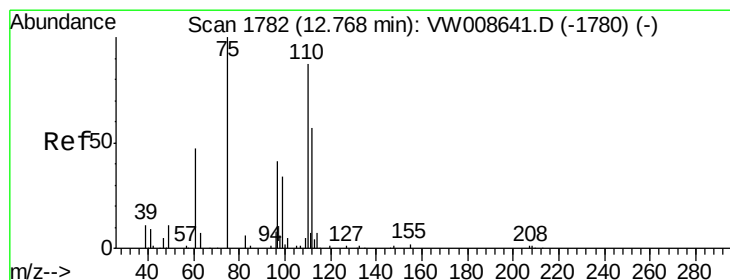
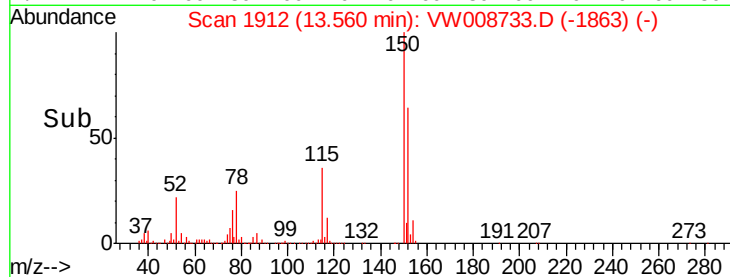
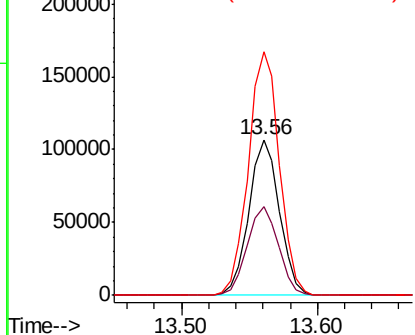
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008733.D
Acq: 18 Feb 2019 17:19

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-3

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	87.8
150	159.0	0.0	352.8



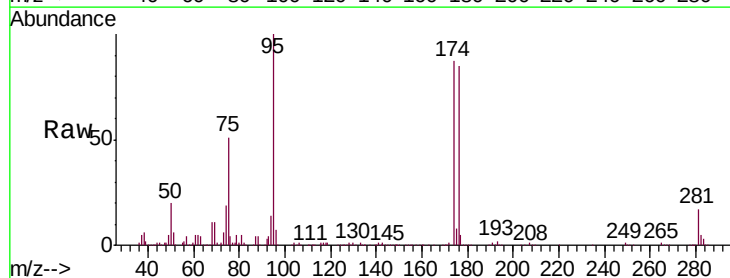
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



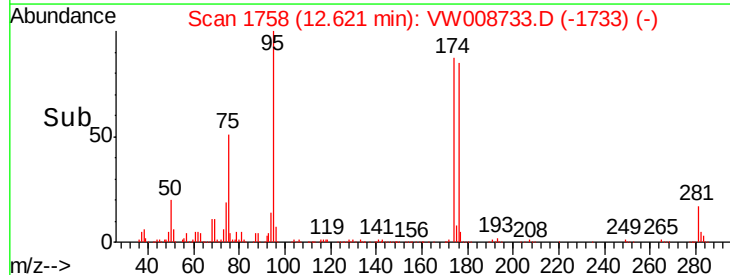
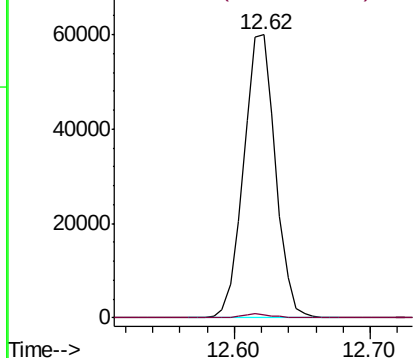
#76

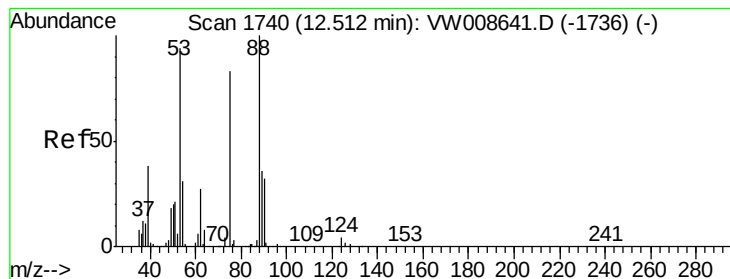
1,2,3-Trichloropropane
Concen: 58.949 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008733.D
Acq: 18 Feb 2019 17:19

Tgt 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: 125.940 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008733.D

Acq: 18 Feb 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-3

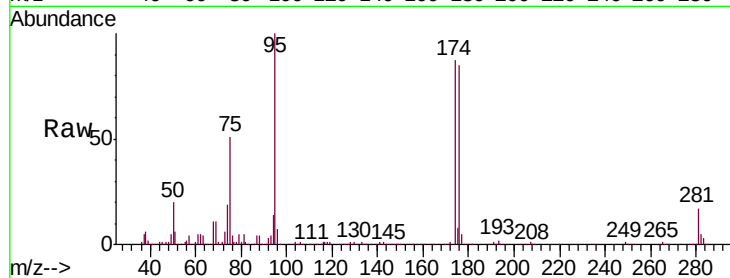
Tgt Ion: 75 Resp: 97914

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.2 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

