

Data File : VW008734.D
Acq On : 18 Feb 2019 17:46
Operator : SY/VA
Sample : K1518-07
Misc : 6.66G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

Quant Time: Feb 19 03:31:55 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	361526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	550054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227526	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	201790	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	7.88	113	174642	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.32	98	648378	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.62	95	221899	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	

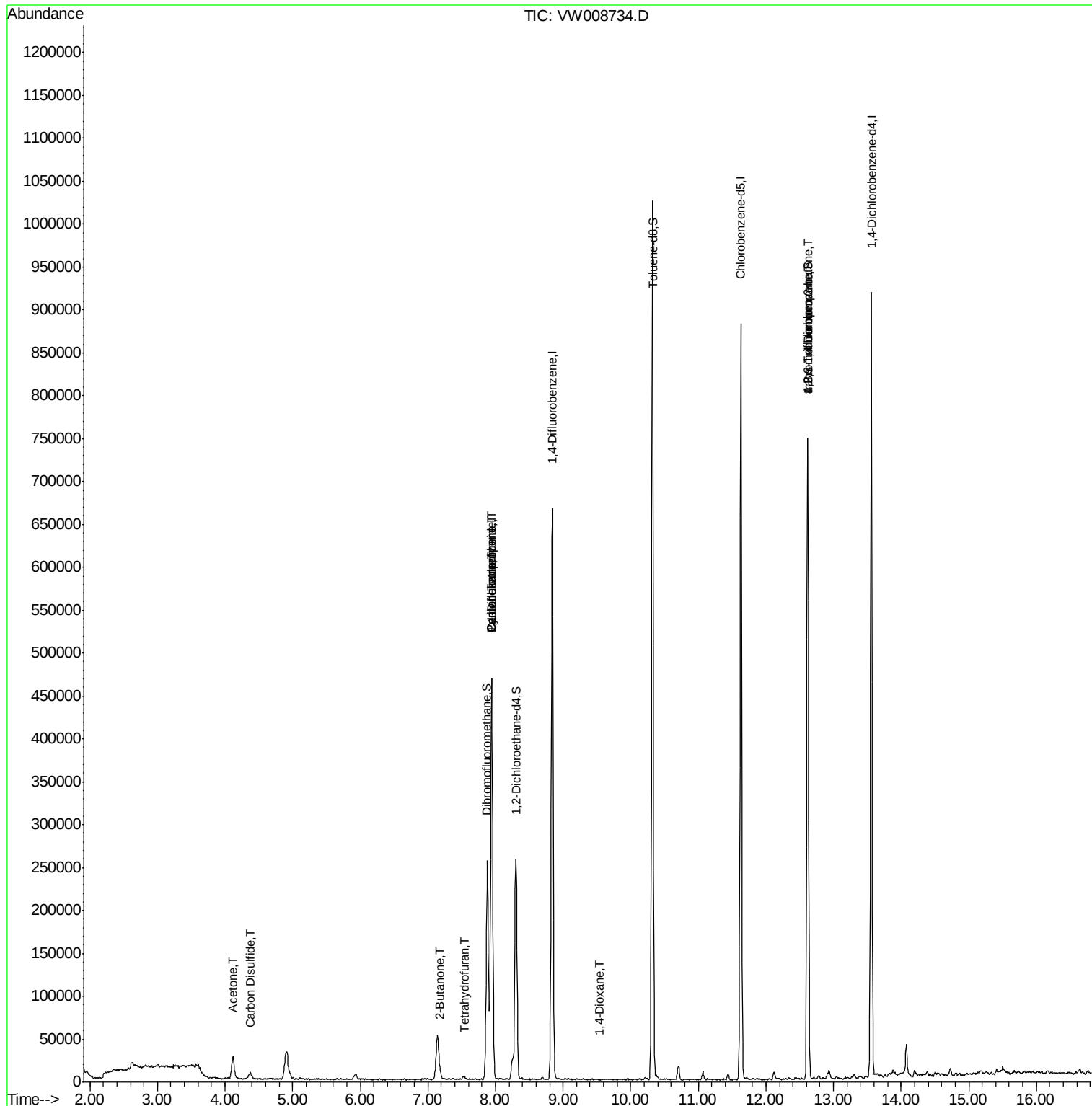
Target Compounds				Qvalue		
16) Acetone	4.12	43	46245	54.070	ug/l	92
17) Carbon Disulfide	4.37	76	15737	1.477	ug/l #	94
20) Methylene Chloride	4.91	84	27091	Below Cal		86
25) 2-Butanone	7.18	43	9135	7.564	ug/l	97
29) Tetrahydrofuran	7.54	42	2868	3.603	ug/l	90
31) Cyclohexane	7.95	56	7950	1.157	ug/l #	18
36) 1,1-Dichloropropene	7.94	75	25946	4.695	ug/l #	52
38) Carbon Tetrachloride	7.95	117	34781	6.329	ug/l #	18
49) 1,4-Dioxane	9.54	88	46	1.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	113436	50.490	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	113436	108.230	ug/l #	7

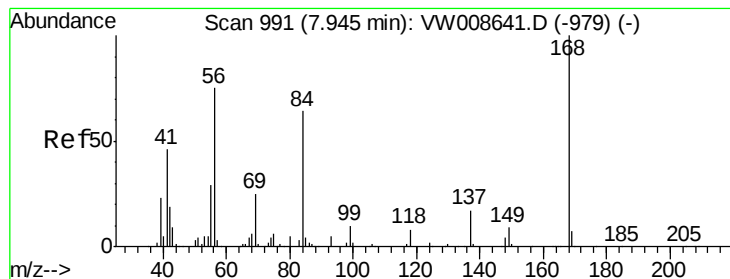
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

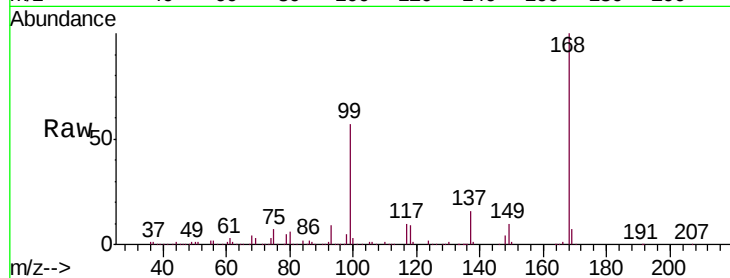
CABLE-BRIDGE-FOUNDATION-D-4

Tgt Ion:168 Resp: 361526

Ion Ratio Lower Upper

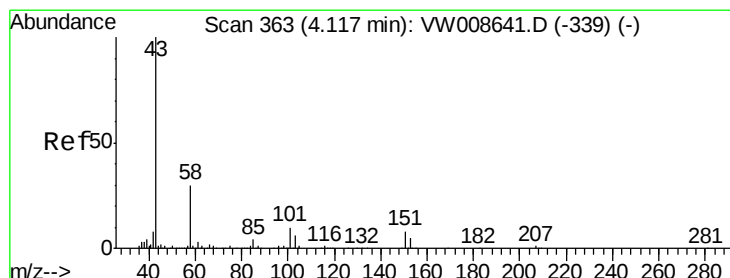
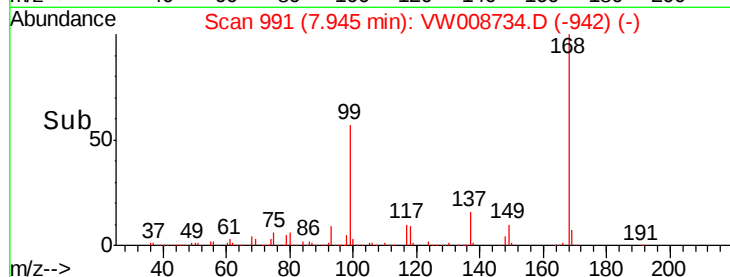
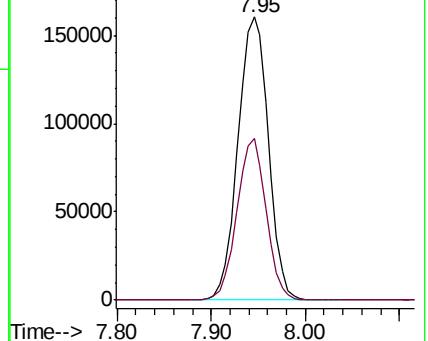
168 100

99 57.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 54.070 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008734.D

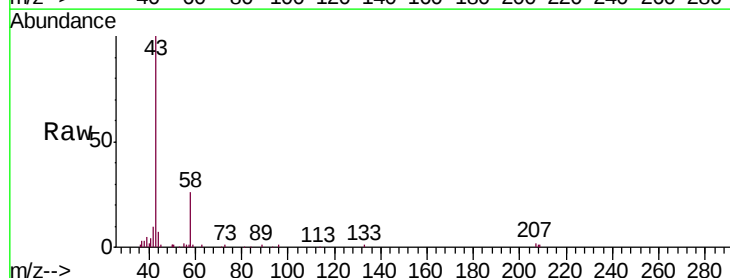
Acq: 18 Feb 2019 17:46

Tgt Ion: 43 Resp: 46245

Ion Ratio Lower Upper

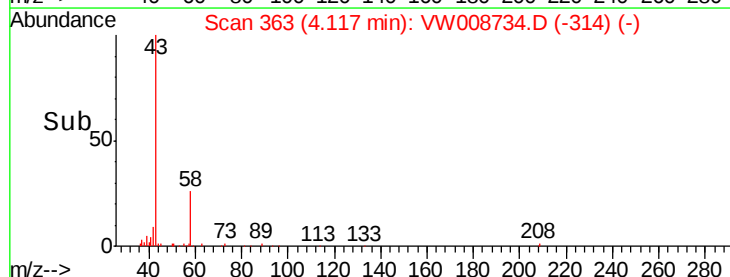
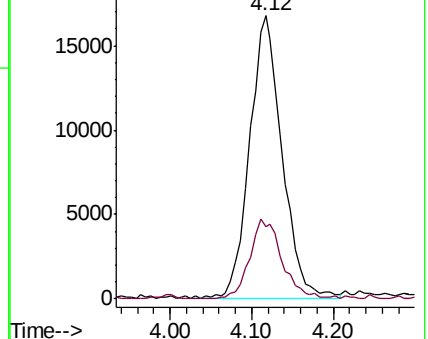
43 100

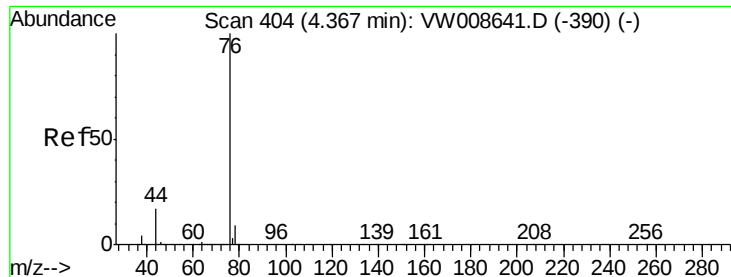
58 25.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.477 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

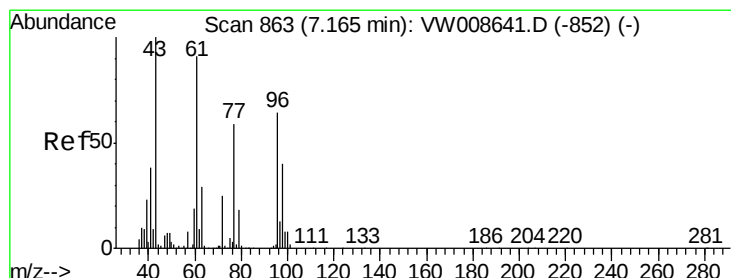
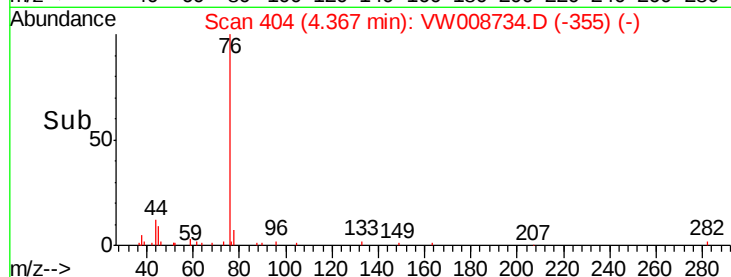
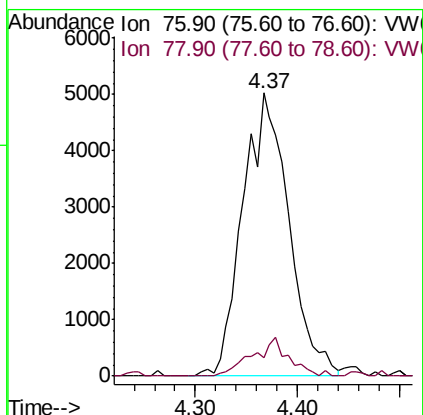
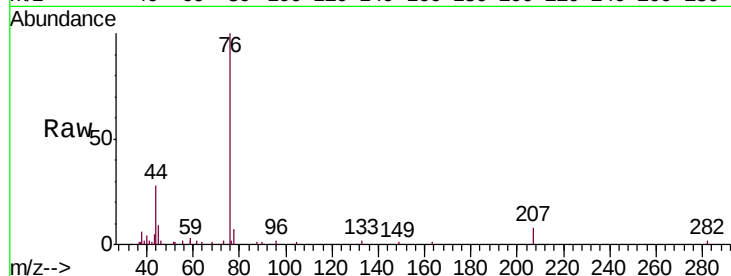
CABLE-BRIDGE-FOUNDATION-D-4

Tgt Ion: 76 Resp: 15737

Ion Ratio Lower Upper

76 100

78 6.7 7.1 10.7#



#25

2-Butanone

Concen: 7.564 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008734.D

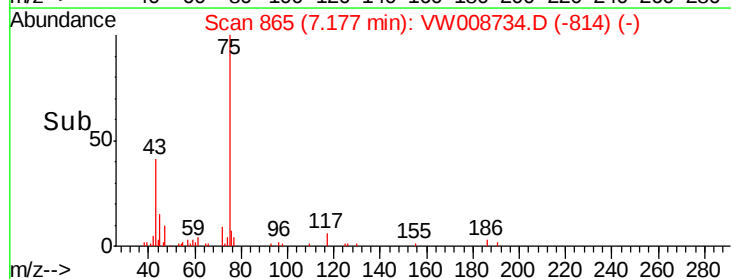
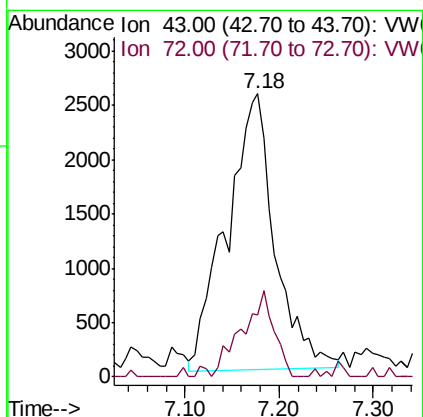
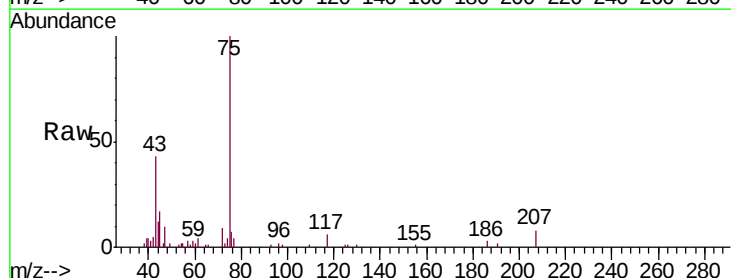
Acq: 18 Feb 2019 17:46

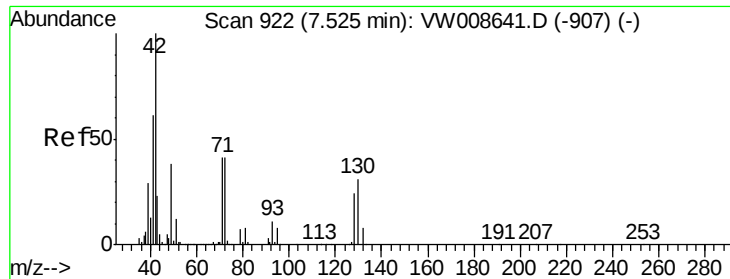
Tgt Ion: 43 Resp: 9135

Ion Ratio Lower Upper

43 100

72 23.2 19.7 29.5





#29

Tetrahydrofuran

Concen: 3.603 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

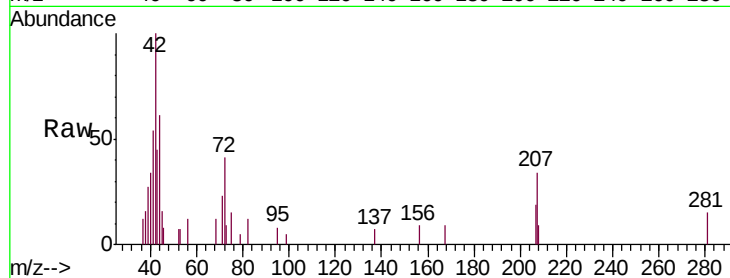
Tgt Ion: 42 Resp: 2868

Ion Ratio Lower Upper

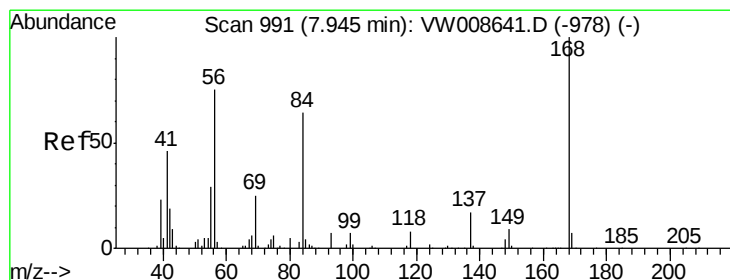
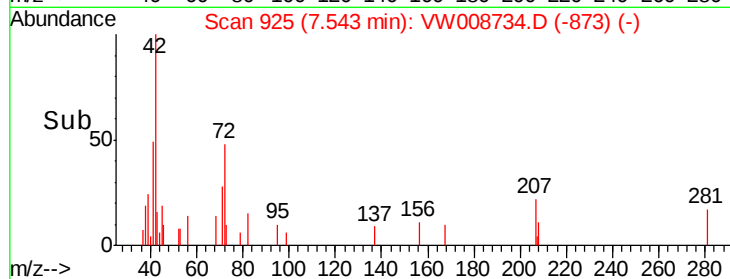
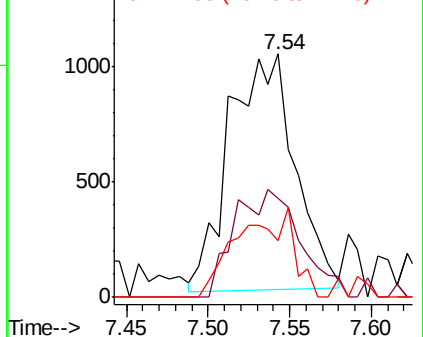
42 100

72 45.6 32.2 48.2

71 31.9 31.0 46.6



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

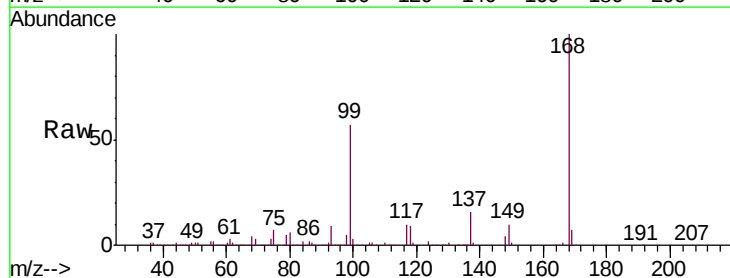
Tgt Ion: 56 Resp: 7950

Ion Ratio Lower Upper

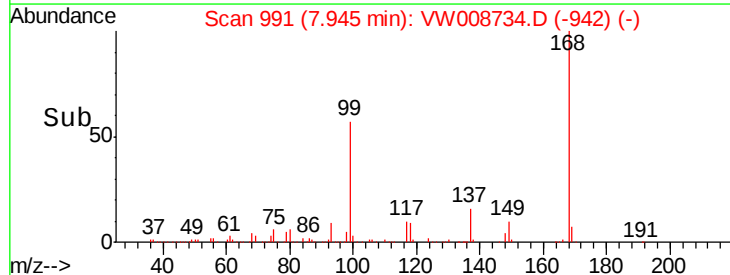
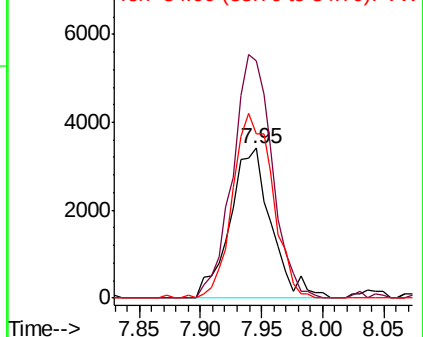
56 100

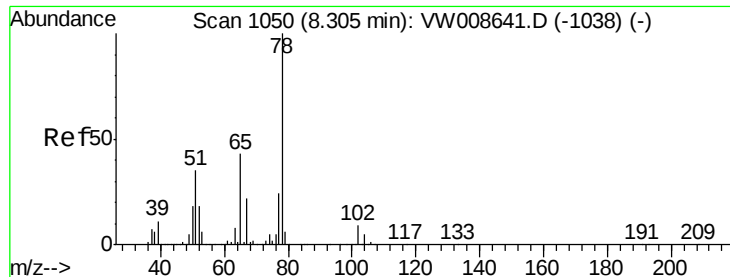
69 158.3 26.4 39.6#

84 109.1 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: 53.688 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

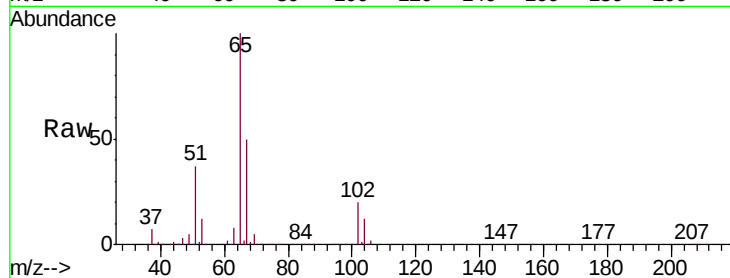
CABLE-BRIDGE-FOUNDATION-D-4

Tgt Ion: 65 Resp: 201790

Ion Ratio Lower Upper

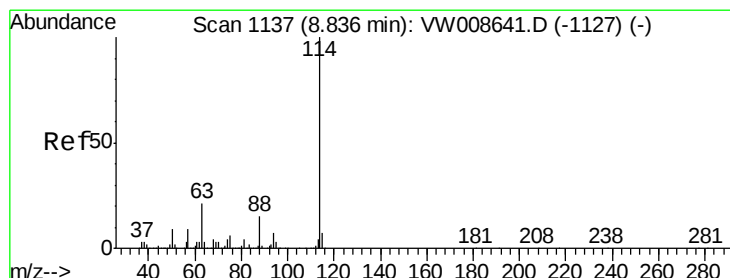
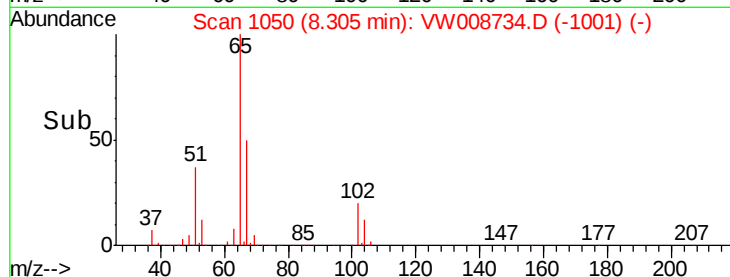
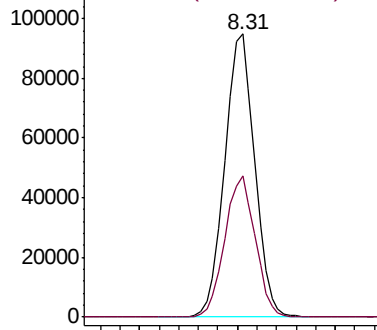
65 100

67 50.9 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: VW008734.D

Acq: 18 Feb 2019 17:46

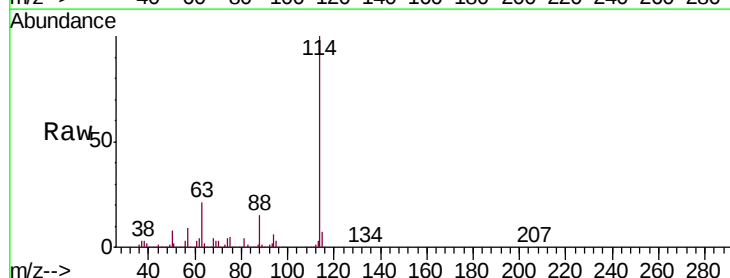
Tgt Ion: 114 Resp: 550054

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.2

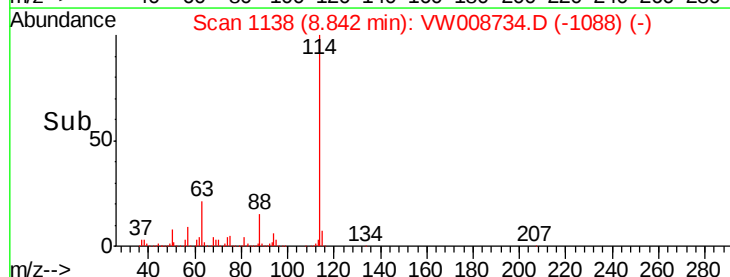
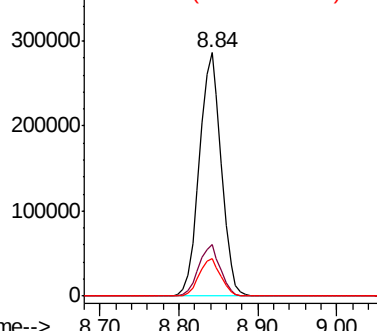
88 15.3 0.0 29.6

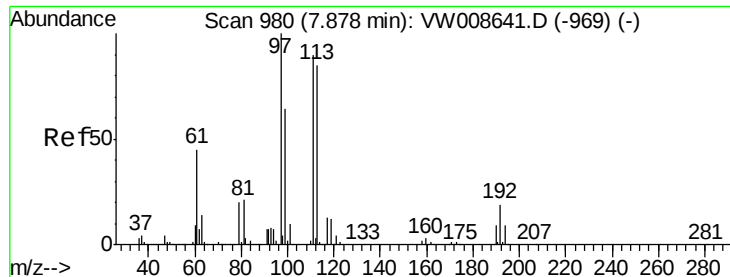


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.132 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

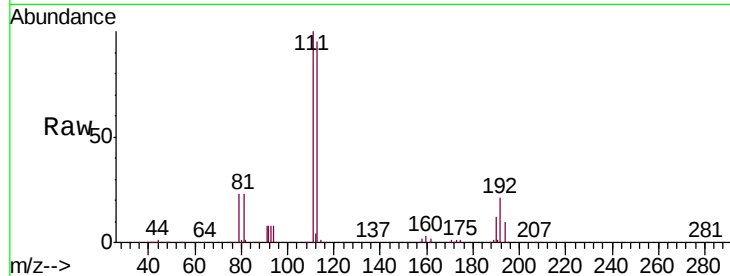
Tgt Ion:113 Resp: 174642

Ion Ratio Lower Upper

113 100

111 102.0 84.0 126.0

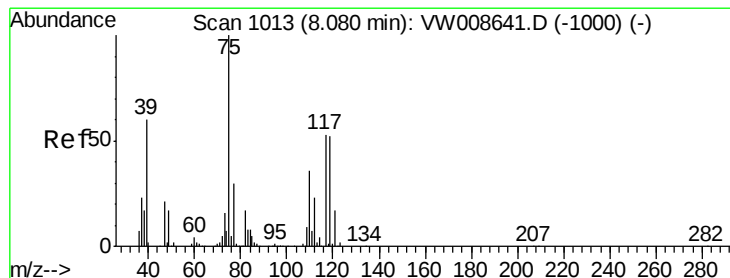
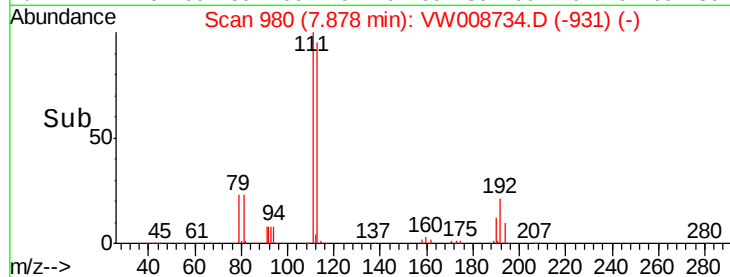
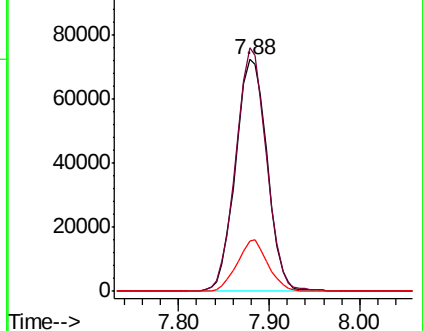
192 21.6 17.4 26.2



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: 4.695 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

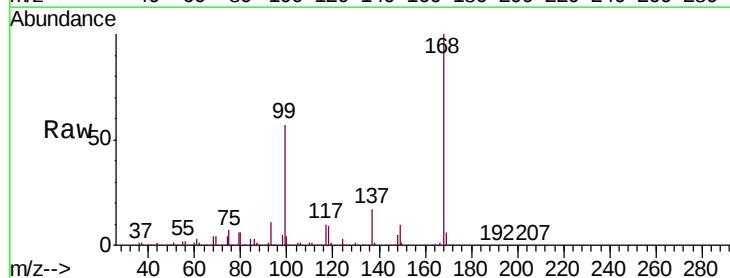
Tgt Ion: 75 Resp: 25946

Ion Ratio Lower Upper

75 100

110 11.1 17.8 53.3#

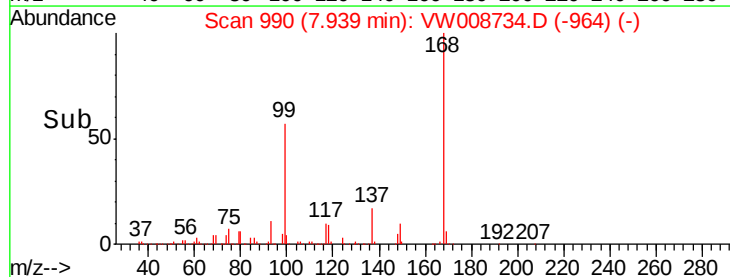
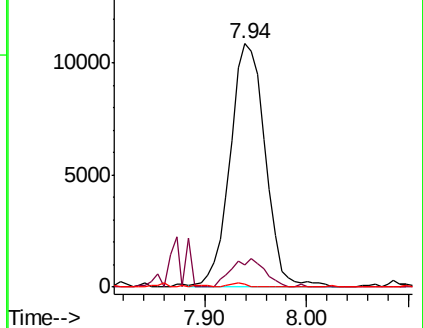
77 0.7 24.7 37.1#

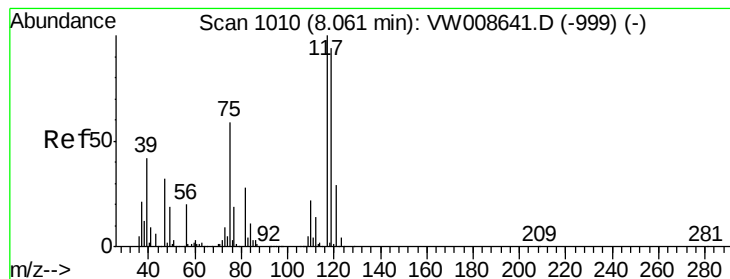


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.329 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

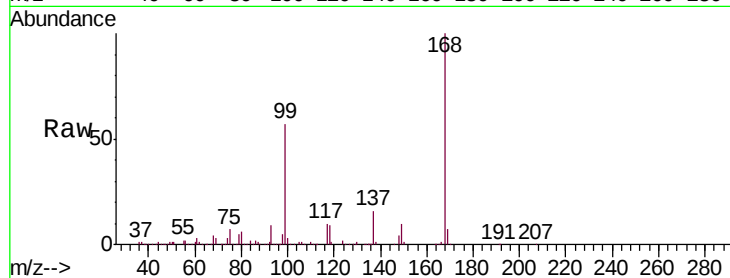
Tgt Ion: 117 Resp: 34781

Ion Ratio Lower Upper

117 100

119 6.3 75.1 112.7#

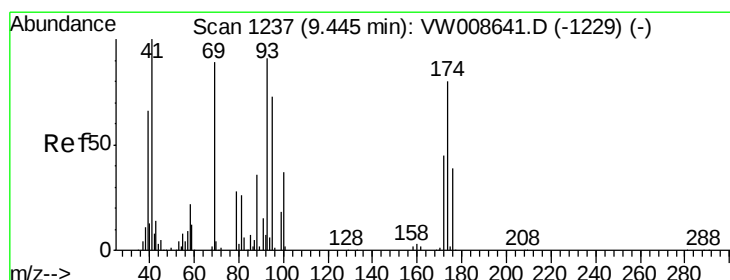
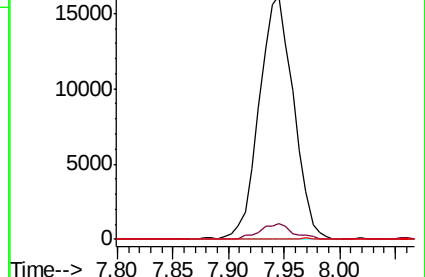
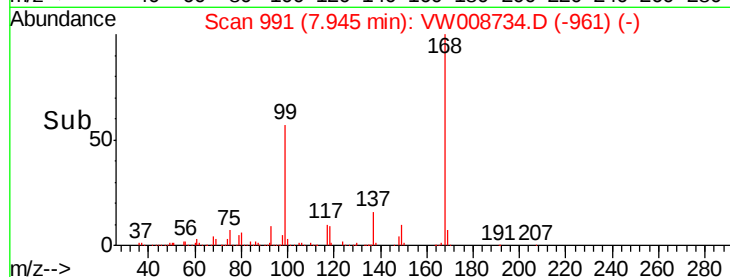
121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.401 ug/l

RT: 9.54 min Scan# 1252

Delta R.T. 0.09 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

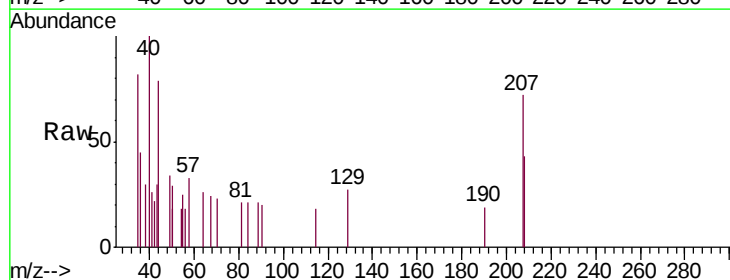
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 558.7 31.0 46.6#

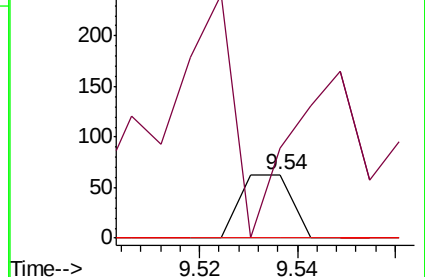
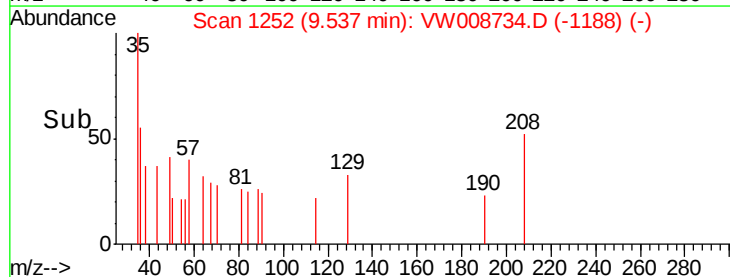
58 0.0 57.0 85.6#

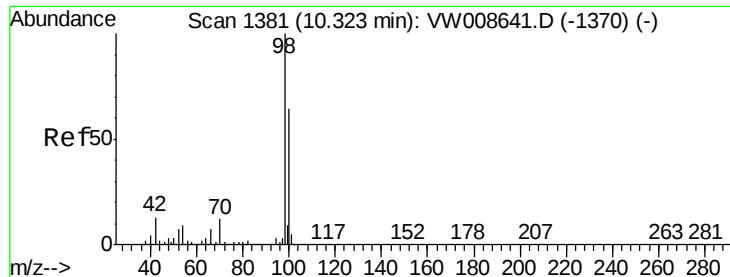


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.245 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

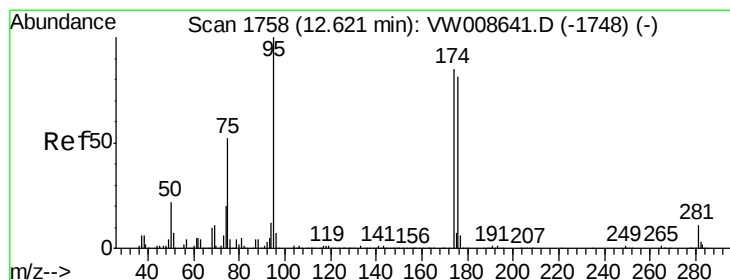
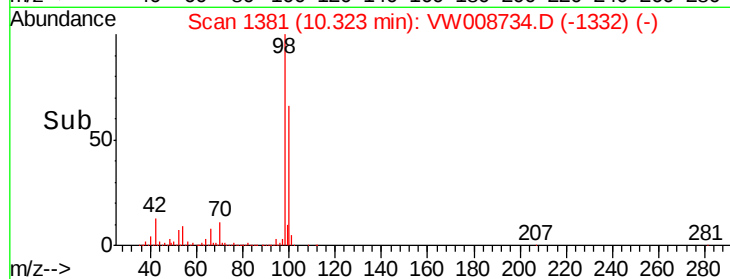
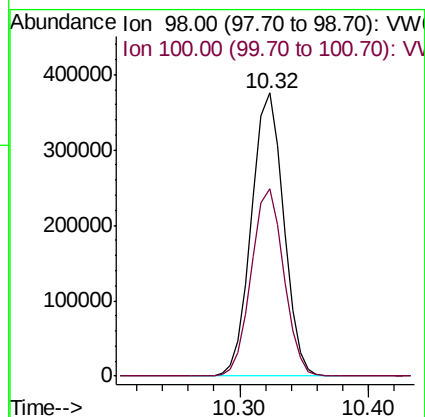
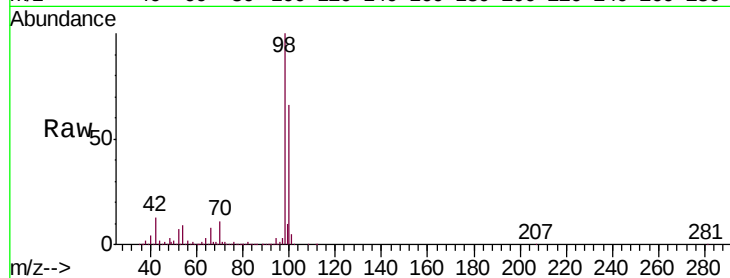
CABLE-BRIDGE-FOUNDATION-D-4

Tgt Ion: 98 Resp: 648378

Ion Ratio Lower Upper

98 100

100 66.5 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.744 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

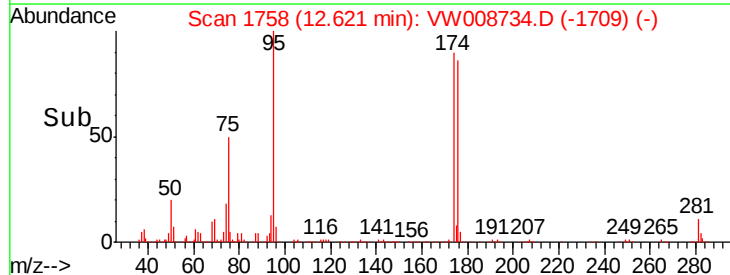
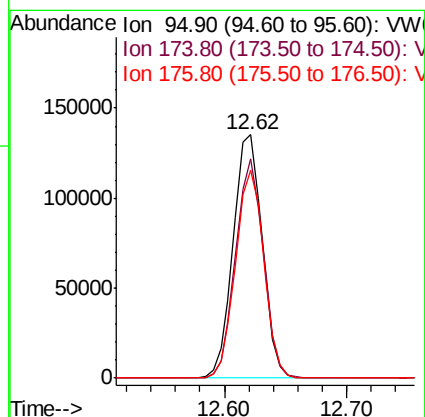
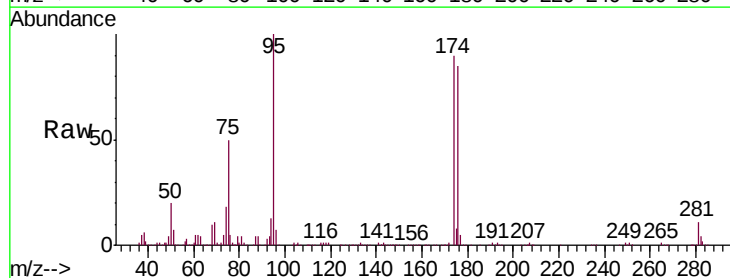
Tgt Ion: 95 Resp: 221899

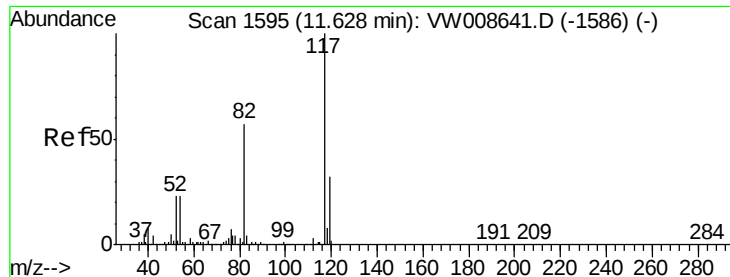
Ion Ratio Lower Upper

95 100

174 86.4 0.0 163.2

176 83.5 0.0 158.0

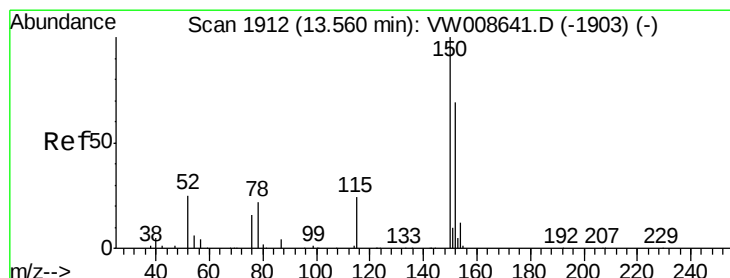
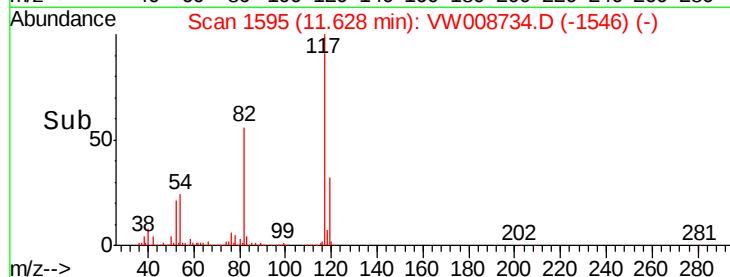
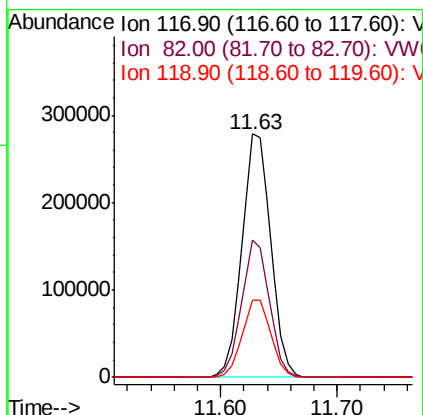
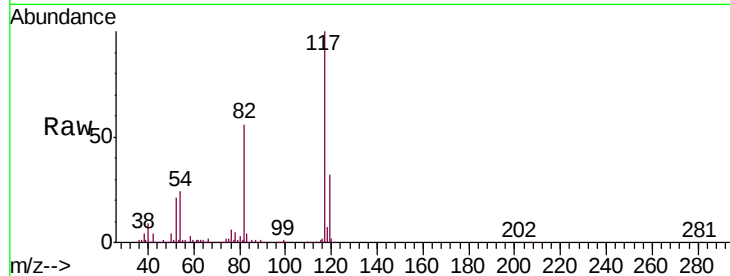




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW008734.D
Acq: 18 Feb 2019 17:46

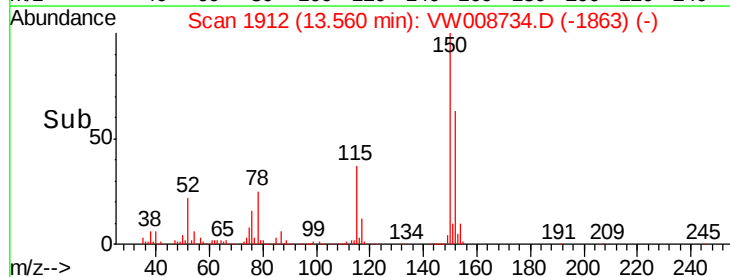
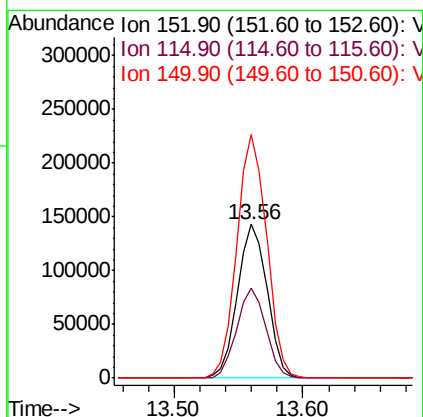
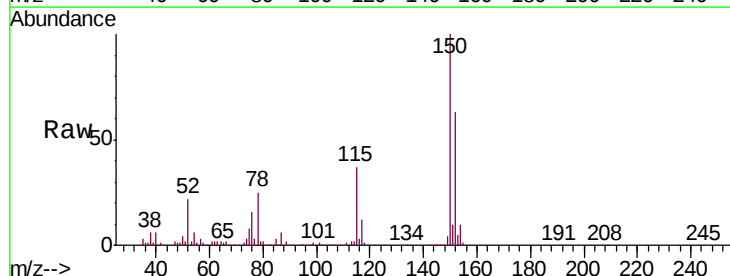
Instrument :
MSVOA_W
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

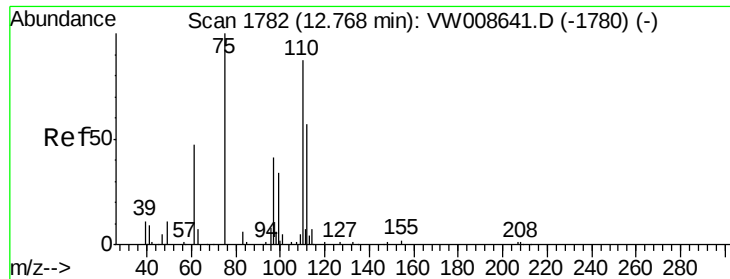
Tgt Ion:117 Resp: 480423
Ion Ratio Lower Upper
117 100
82 56.2 45.6 68.4
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008734.D
Acq: 18 Feb 2019 17:46

Tgt Ion:152 Resp: 227526
Ion Ratio Lower Upper
152 100
115 57.7 29.3 87.8
150 159.4 0.0 352.8





#76

1,2,3-Trichloropropane

Concen: 50.490 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

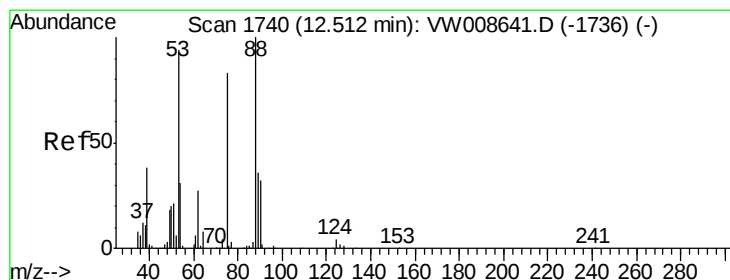
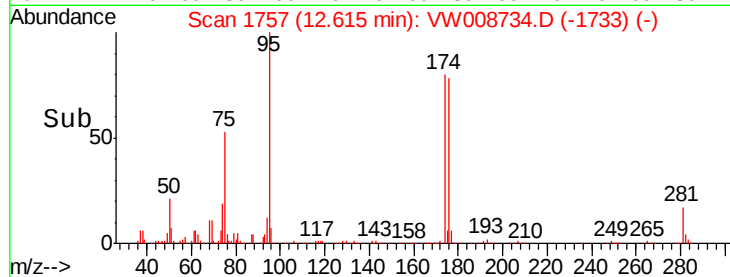
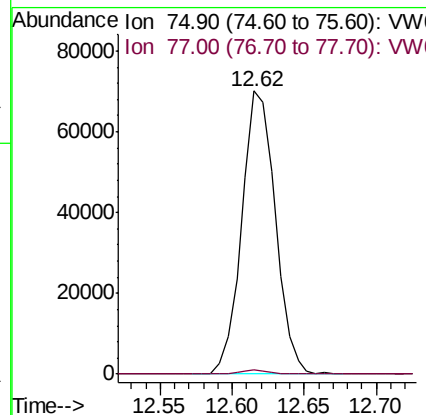
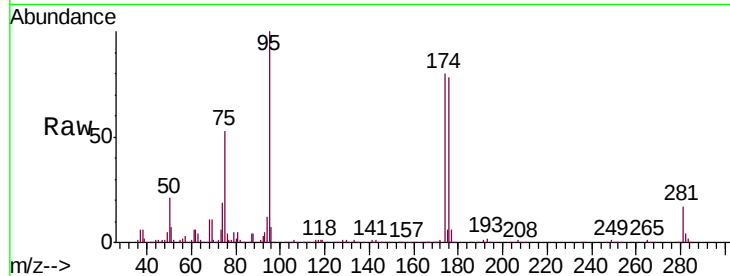
CABLE-BRIDGE-FOUNDATION-D-4

Tgt Ion: 75 Resp: 113436

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.230 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008734.D

Acq: 18 Feb 2019 17:46

Tgt Ion: 75 Resp: 113436

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.3 37.0 55.4#

