

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
 Data File : VW008393.D
 Acq On : 22 Jan 2019 17:13
 Operator : SY/VA
 Sample : K1220-04RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T-1ARE

Quant Time: Jan 23 00:44:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	63704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	117157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	107907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48189	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	27536	41.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	83.10%		
35) Dibromofluoromethane	7.88	113	25268	33.79	ug/l	0.00
Spiked Amount 50.000			Recovery =	67.58%		
50) Toluene-d8	10.32	98	89935	30.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	61.22%		
62) 4-Bromofluorobenzene	12.62	95	28733	27.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	54.54%		

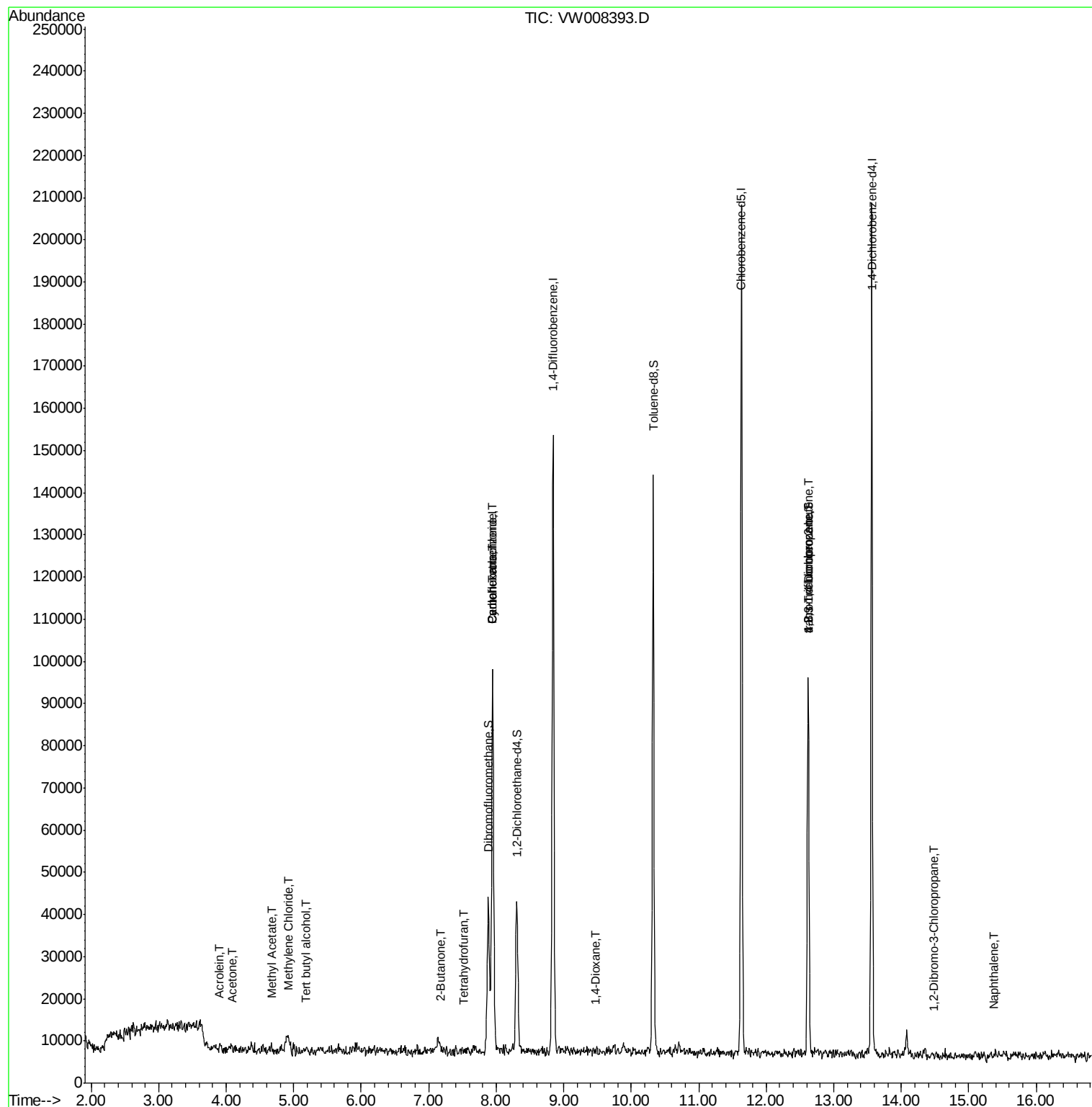
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	319	7.150	ug/l #	69
13) Acrolein	3.90	56	71	9.259	ug/l #	1
16) Acetone	4.10	43	490	3.184	ug/l	89
18) Methyl Acetate	4.67	43	424	1.031	ug/l #	62
20) Methylene Chloride	4.91	84	3613	1.627	ug/l #	74
25) 2-Butanone	7.18	43	385	1.953	ug/l #	84
29) Tetrahydrofuran	7.52	42	364	2.962	ug/l #	34
31) Cyclohexane	7.94	56	1816	1.467	ug/l #	45
38) Carbon Tetrachloride	7.95	117	7405	6.362	ug/l #	19
49) 1,4-Dioxane	9.46	88	90	12.934	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	14976	34.127	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	14976	81.441	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.49	75	101	1.034	ug/l #	27
95) Naphthalene	15.37	128	188	2.426	ug/l #	53

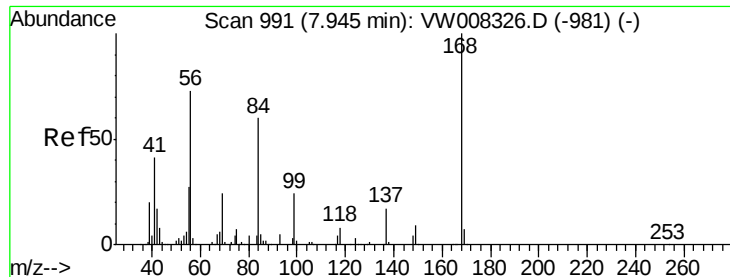
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
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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: VW008393.D

Acq: 22 Jan 2019 17:13

Instrument :

MSVOA_W

ClientSampled :

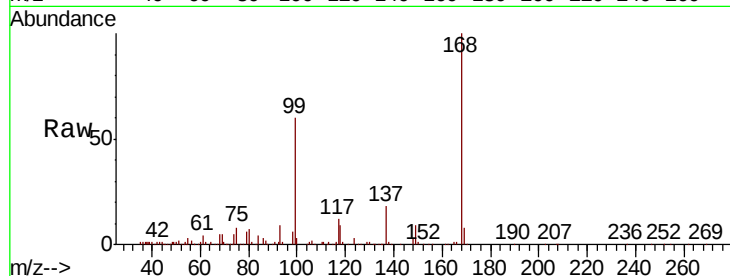
T-1ARE

Tgt Ion:168 Resp: 63704

Ion Ratio Lower Upper

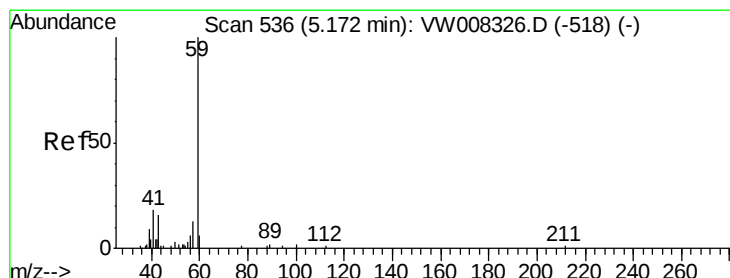
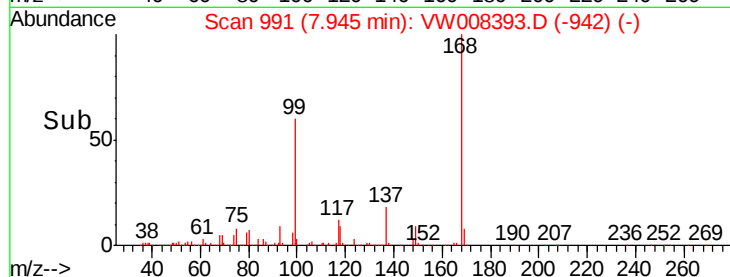
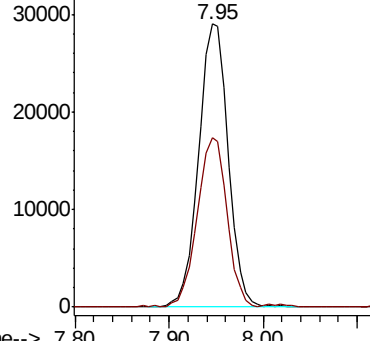
168 100

99 60.0 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.150 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008393.D

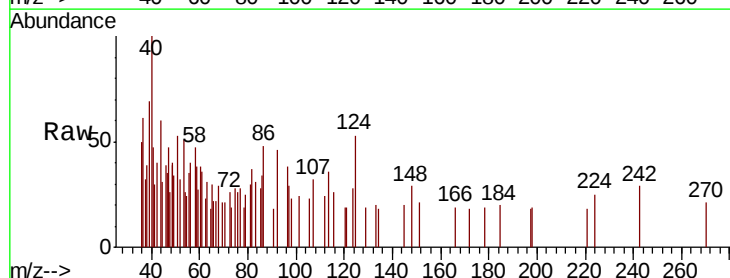
Acq: 22 Jan 2019 17:13

Tgt Ion: 59 Resp: 319

Ion Ratio Lower Upper

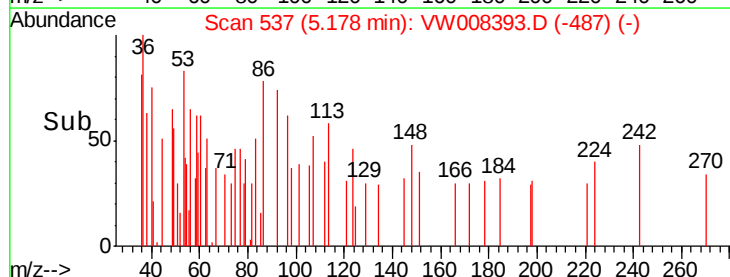
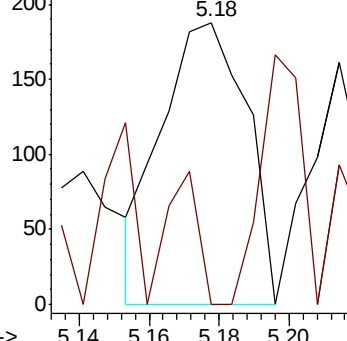
59 100

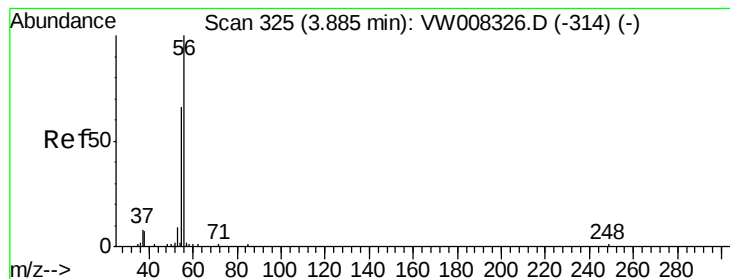
57 0.0 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 9.259 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.02 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

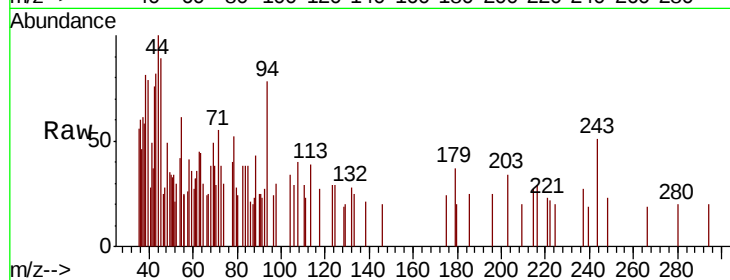
T-1ARE

Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

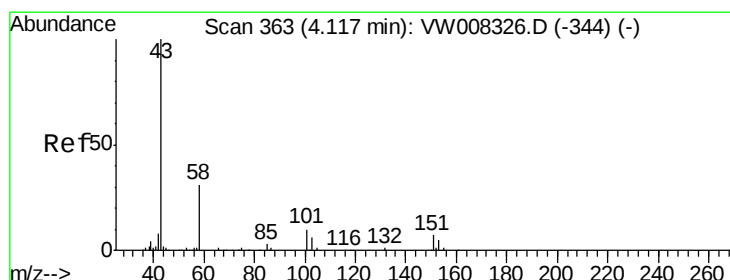
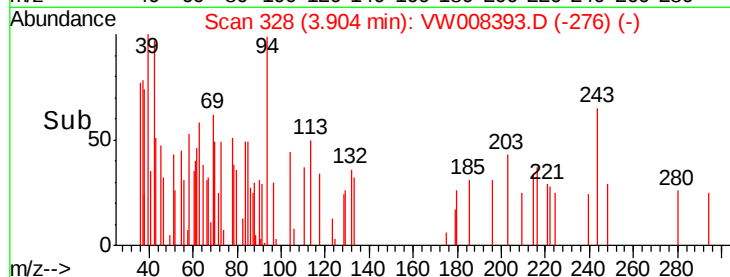
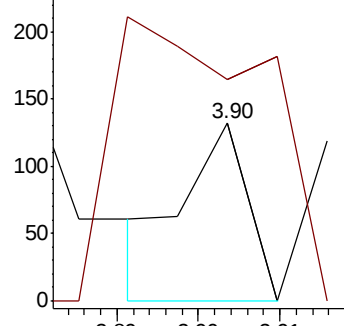
56 100

55 470.4 52.9 79.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 3.184 ug/l

RT: 4.10 min Scan# 360

Delta R.T. -0.02 min

Lab File: VW008393.D

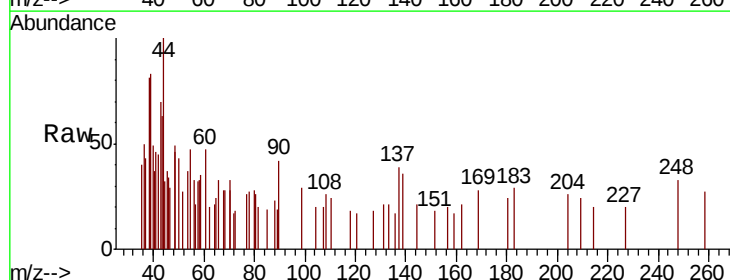
Acq: 22 Jan 2019 17:13

Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

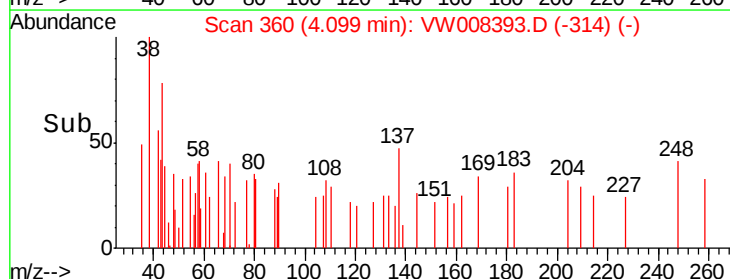
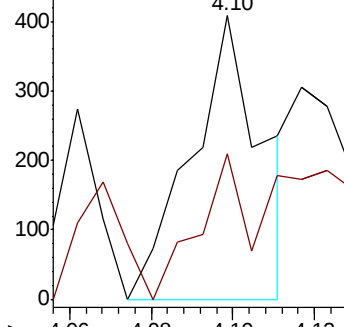
43 100

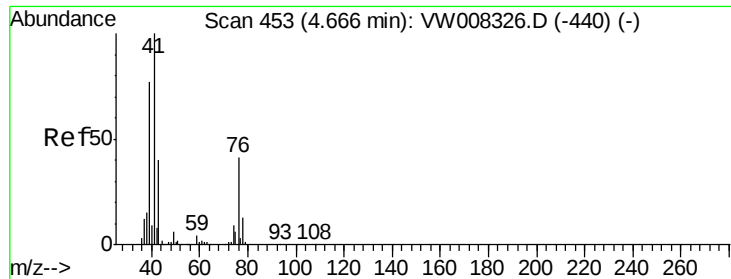
58 24.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#18

Methyl Acetate

Concen: 1.031 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Instrument :

MSVOA_W

ClientSampled :

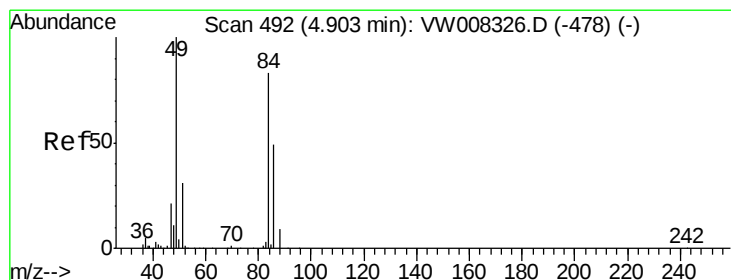
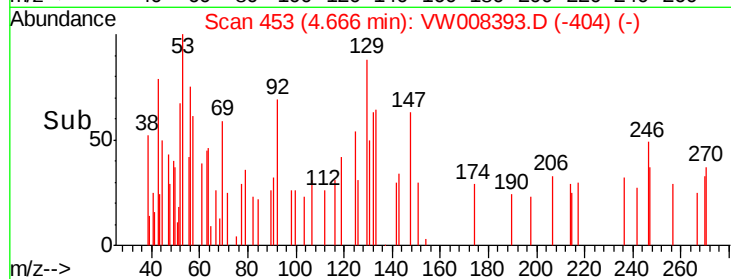
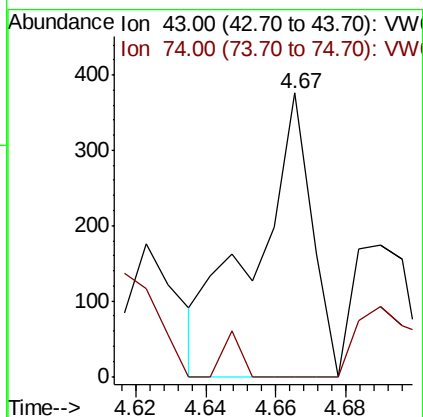
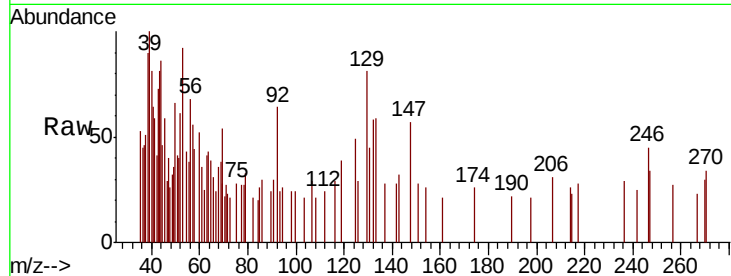
T-1ARE

Tgt Ion: 43 Resp: 424

Ion Ratio Lower Upper

43 100

74 5.2 19.4 29.0#



#20

Methylene Chloride

Concen: 1.627 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Tgt Ion: 84 Resp: 3613

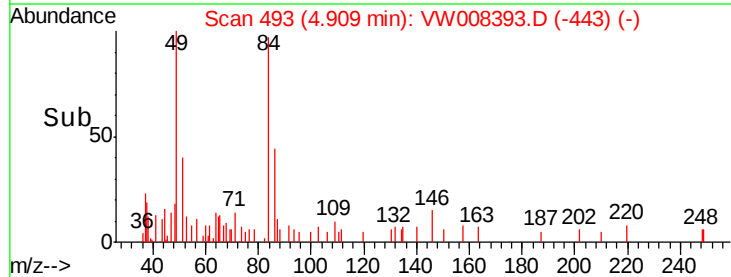
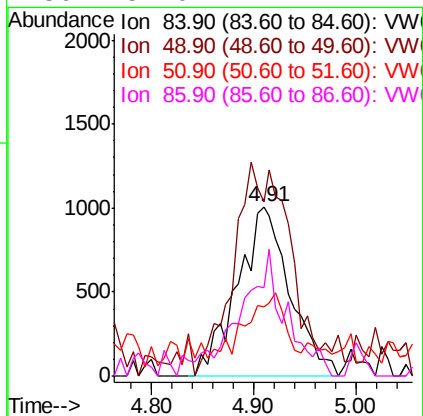
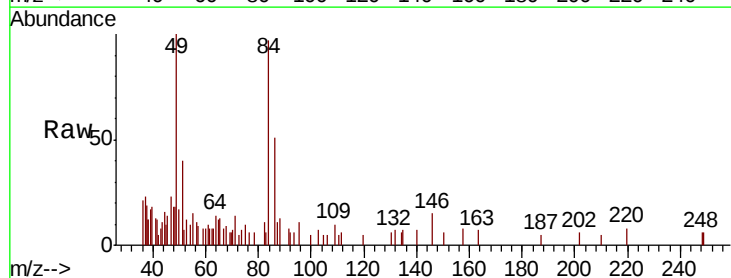
Ion Ratio Lower Upper

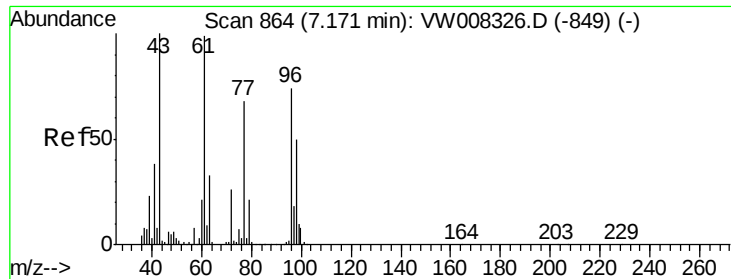
84 100

49 79.0 95.9 143.9#

51 26.5 29.3 43.9#

86 52.0 47.4 71.2





#25

2-Butanone

Concen: 1.953 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Instrument :

MSVOA_W

ClientSampled :

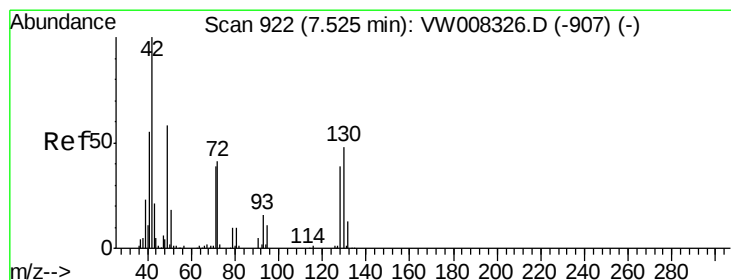
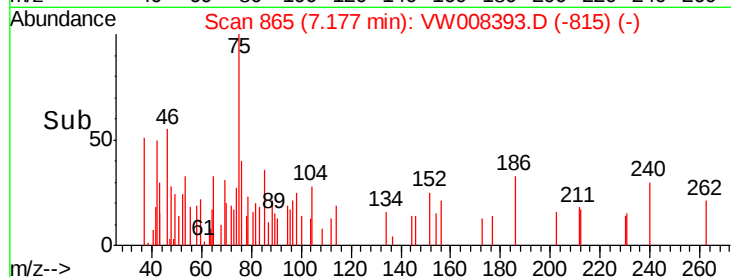
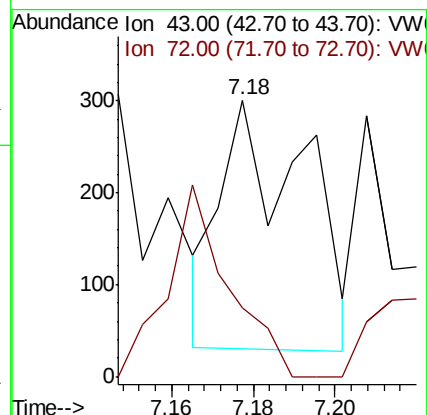
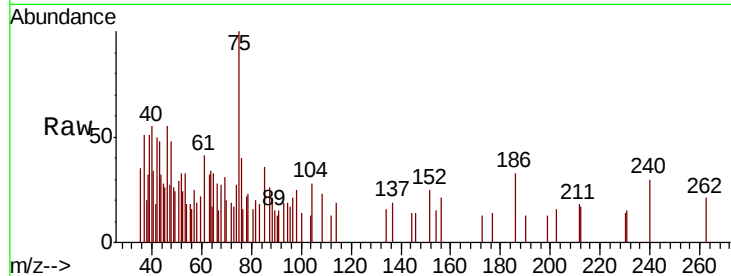
T-1ARE

Tgt Ion: 43 Resp: 385

Ion Ratio Lower Upper

43 100

72 34.6 21.2 31.8#



#29

Tetrahydrofuran

Concen: 2.962 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

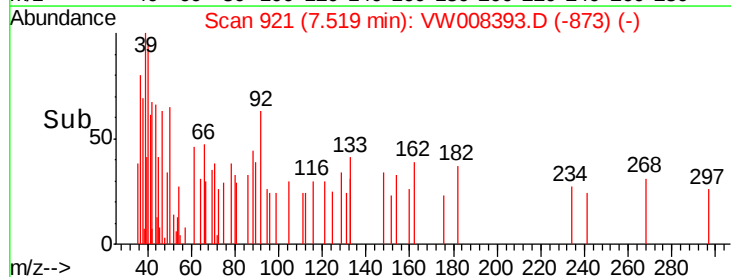
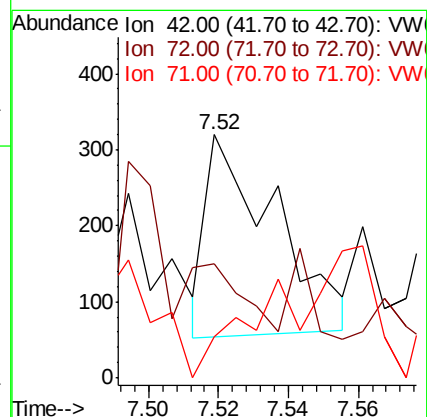
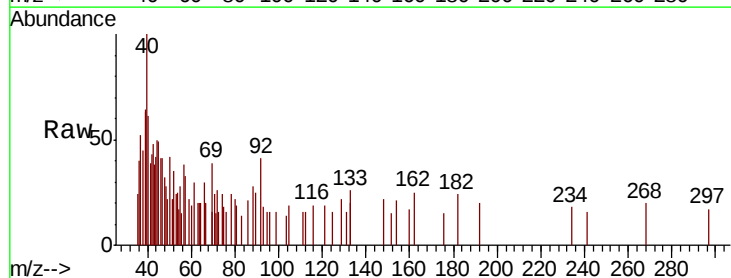
Tgt Ion: 42 Resp: 364

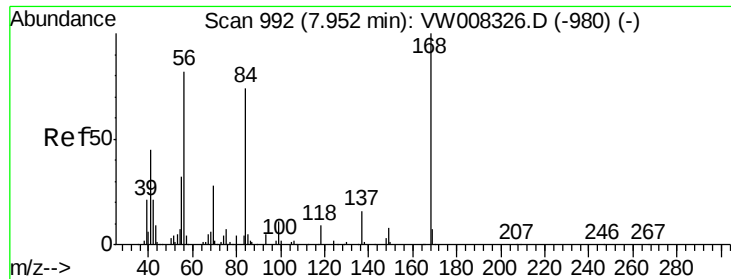
Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

71 0.0 32.0 48.0#

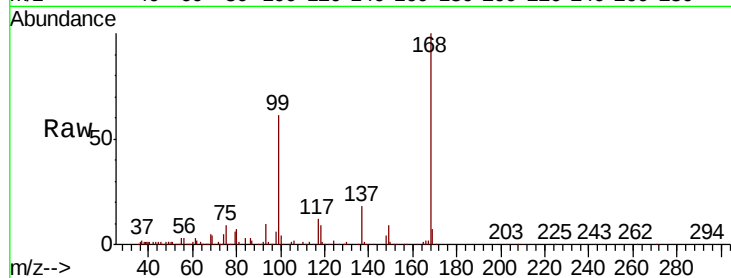




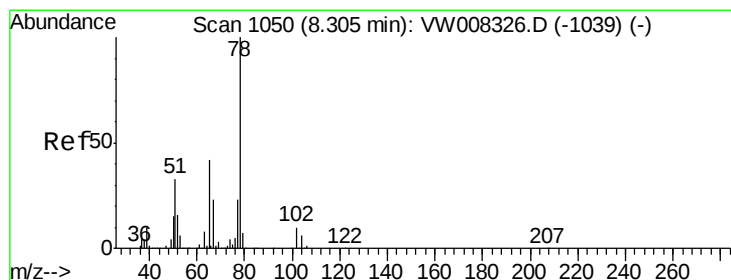
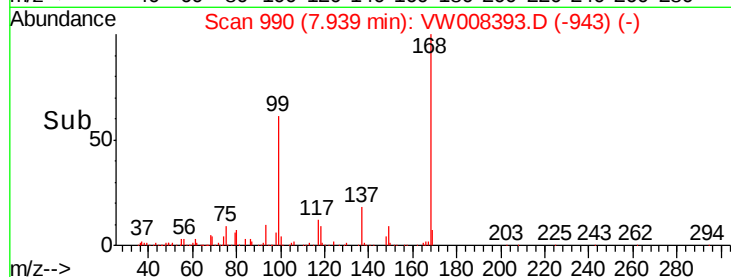
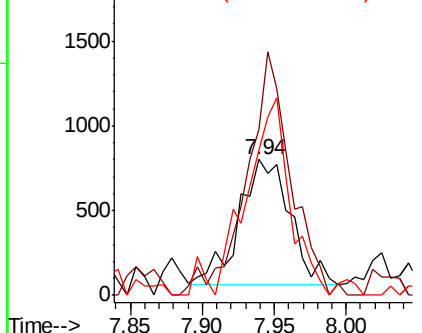
#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008393.D
Acq: 22 Jan 2019 17:13

Instrument :
MSVOA_W
ClientSampleId :
T-1ARE

Tgt Ion: 56 Resp: 1816
Ion Ratio Lower Upper
56 100
69 123.8 27.0 40.6#
84 106.2 72.5 108.7

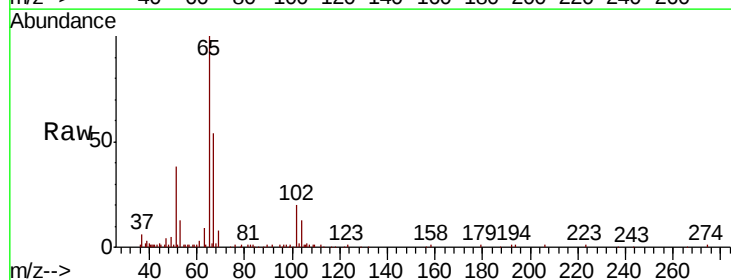


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

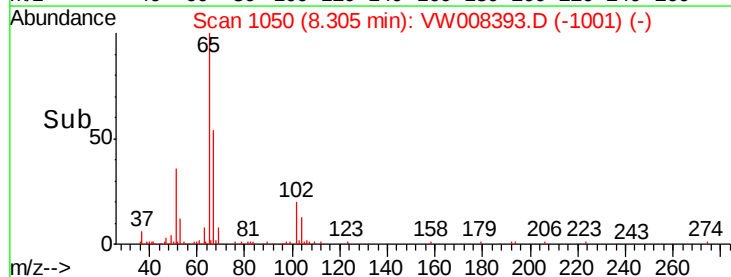
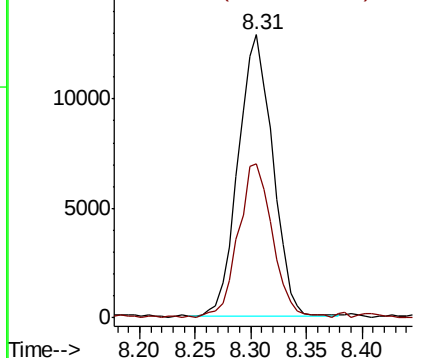


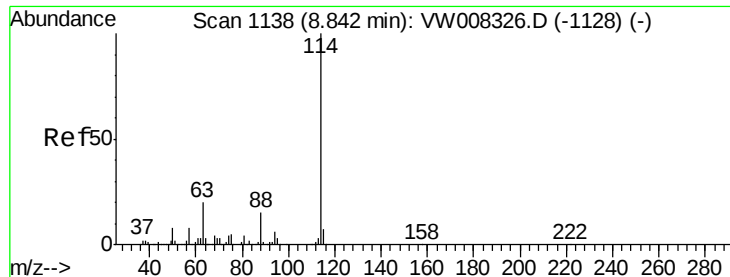
#33
1,2-Dichloroethane-d4
Concen: 41.553 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008393.D
Acq: 22 Jan 2019 17:13

Tgt Ion: 65 Resp: 27536
Ion Ratio Lower Upper
65 100
67 55.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

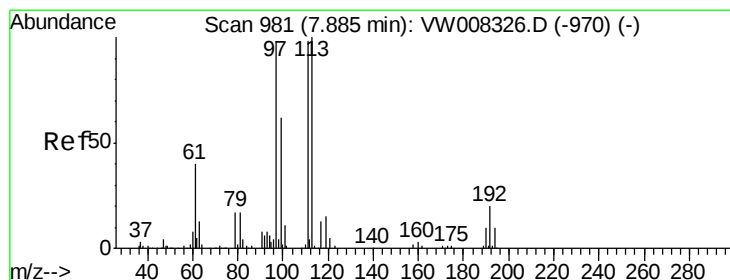
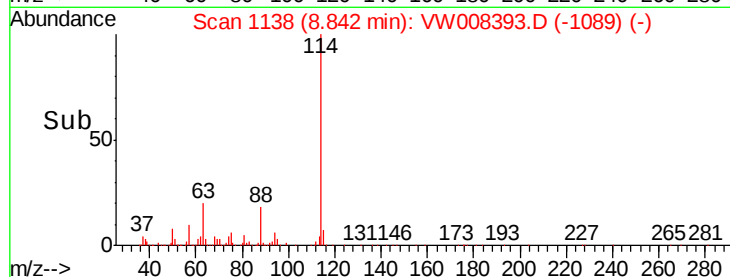
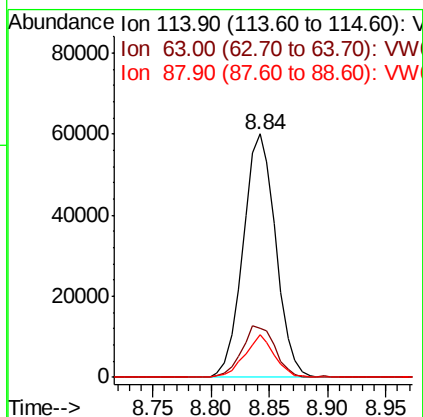
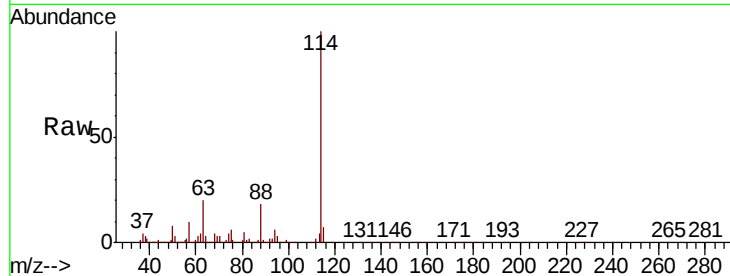




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008393.D
Acq: 22 Jan 2019 17:13

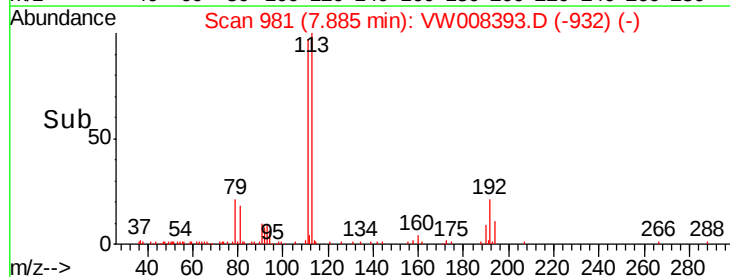
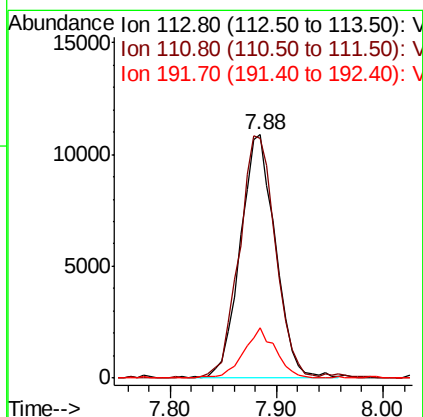
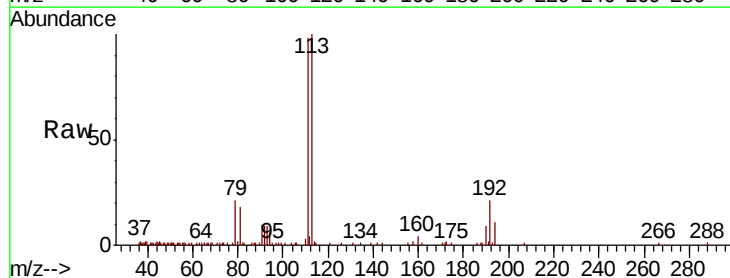
Instrument :
MSVOA_W
ClientSampleId :
T-1ARE

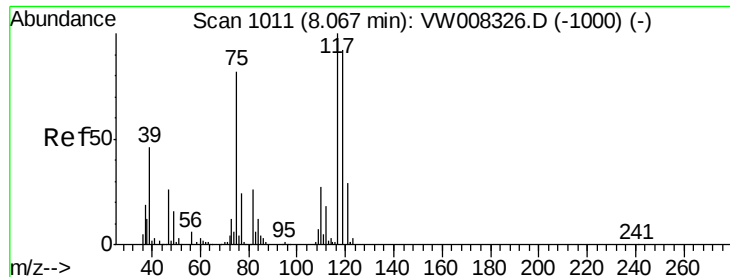
Tgt Ion:114 Resp: 117157
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 17.7 0.0 30.4



#35
Dibromofluoromethane
Concen: 33.787 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008393.D
Acq: 22 Jan 2019 17:13

Tgt Ion:113 Resp: 25268
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 19.0 16.3 24.5





#38

Carbon Tetrachloride

Concen: 6.362 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Instrument :

MSVOA_W

ClientSampled :

T-1ARE

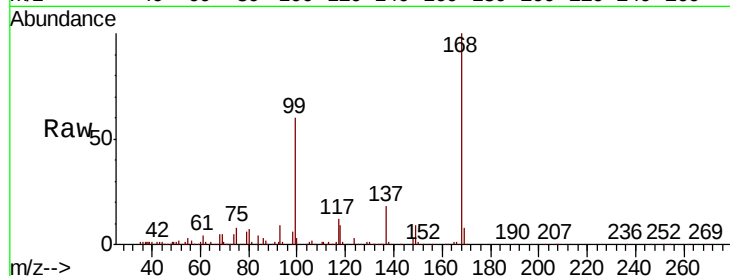
Tgt Ion:117 Resp: 7405

Ion Ratio Lower Upper

117 100

119 5.5 73.8 110.6#

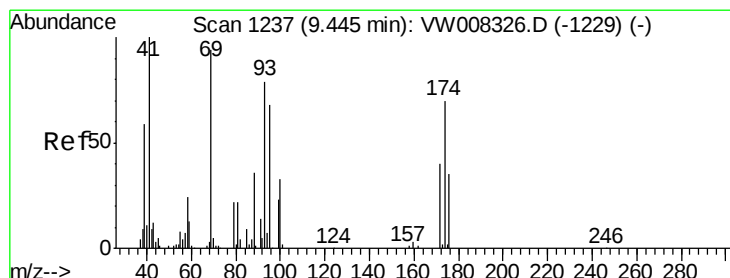
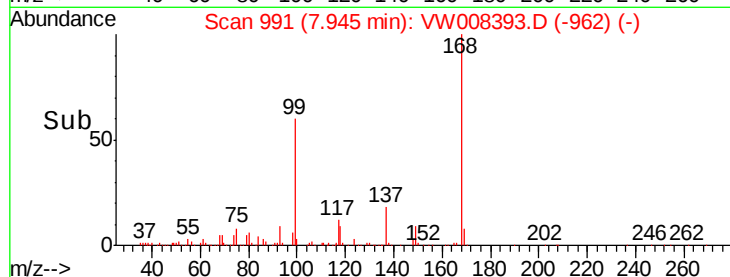
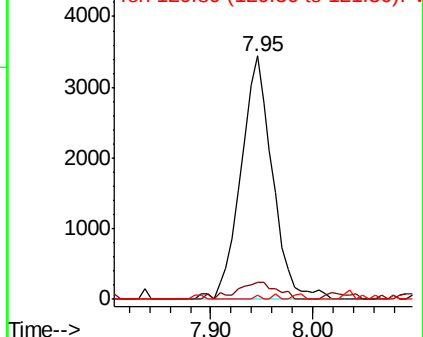
121 1.8 23.4 35.0#



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: 12.934 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

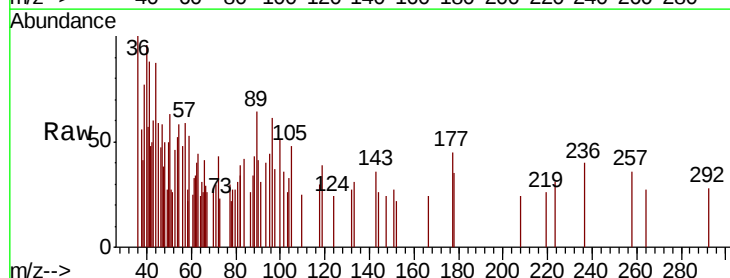
Tgt Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 196.7 27.1 40.7#

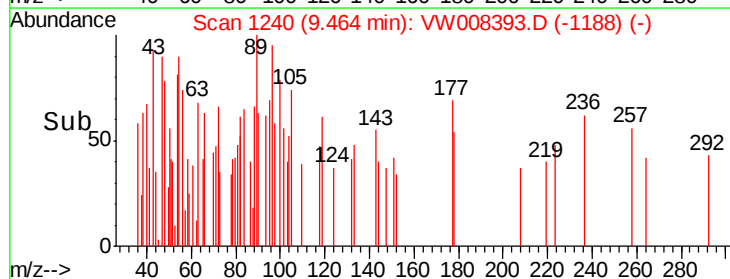
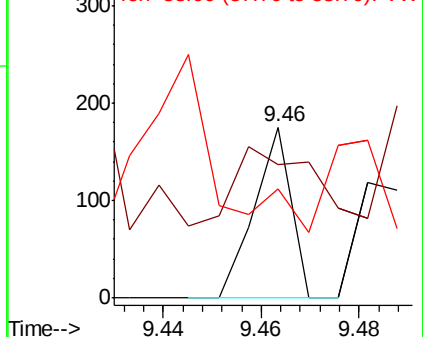
58 268.9 57.9 86.9#

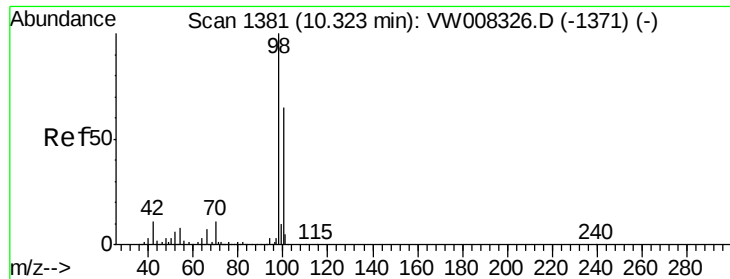


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 30.611 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

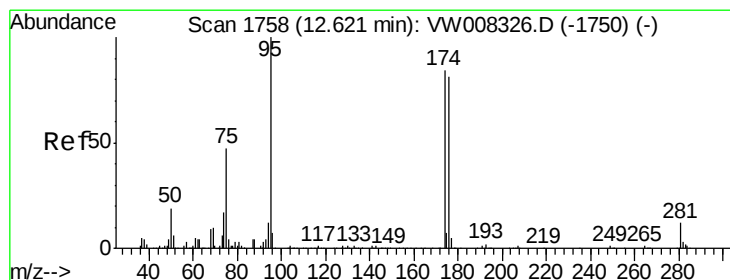
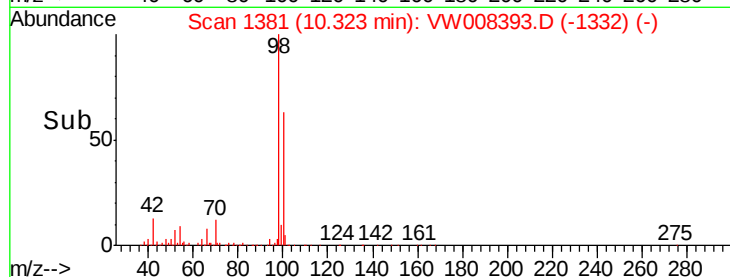
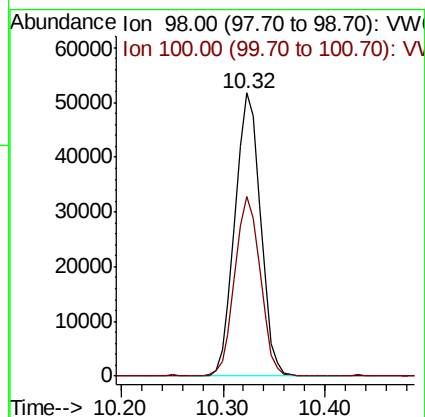
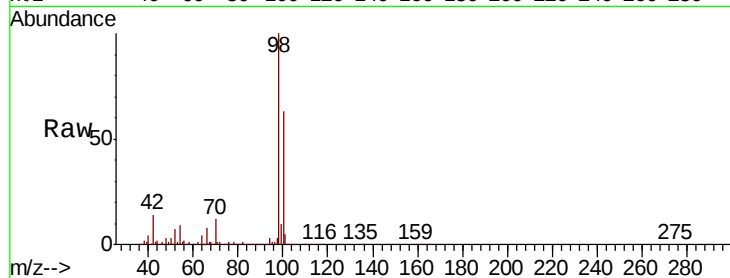
T-1ARE

Tgt Ion: 98 Resp: 89935

Ion Ratio Lower Upper

98 100

100 63.1 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 27.269 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

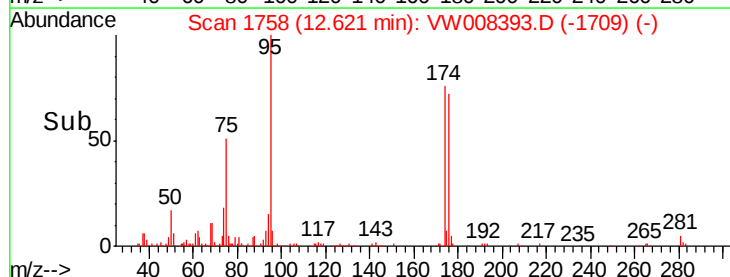
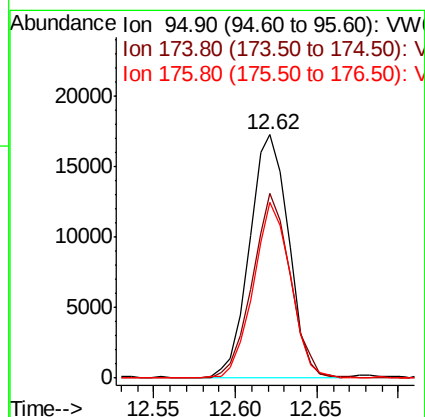
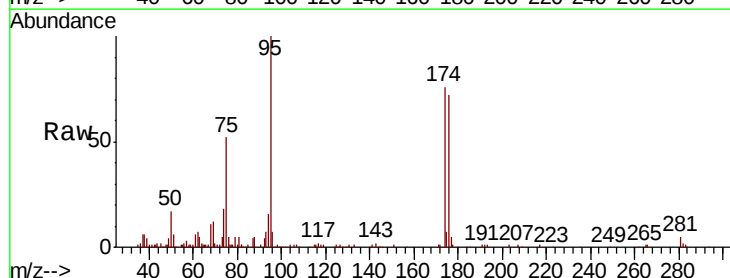
Tgt Ion: 95 Resp: 28733

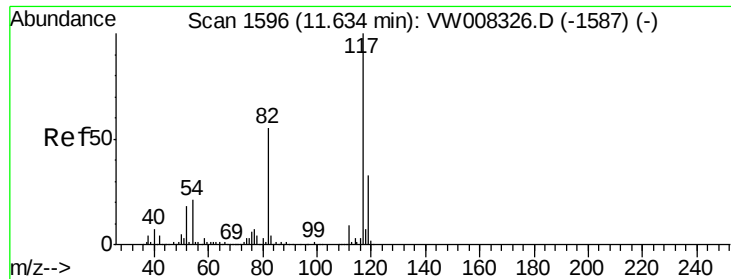
Ion Ratio Lower Upper

95 100

174 73.9 0.0 166.0

176 68.8 0.0 160.0

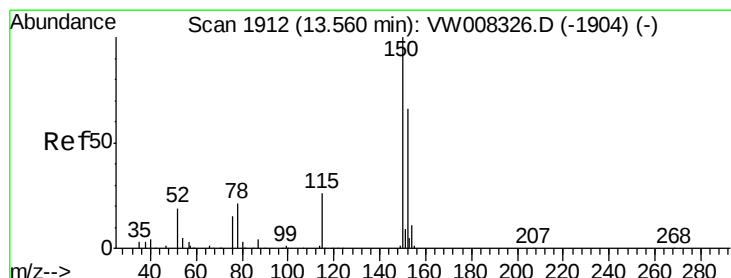
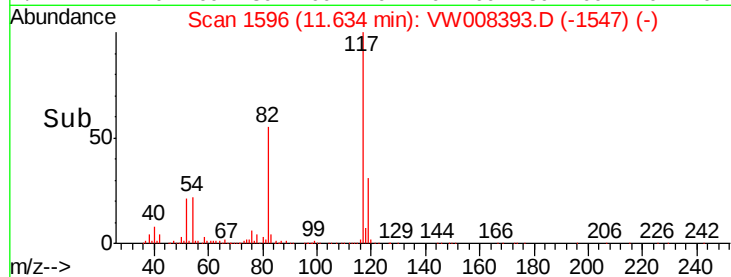
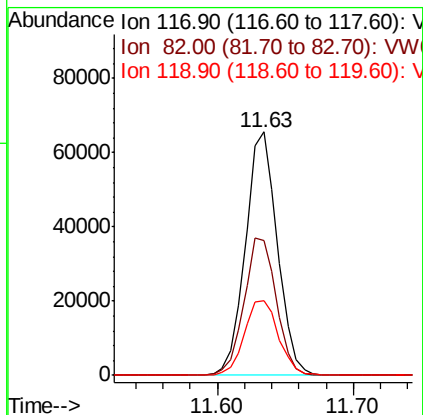
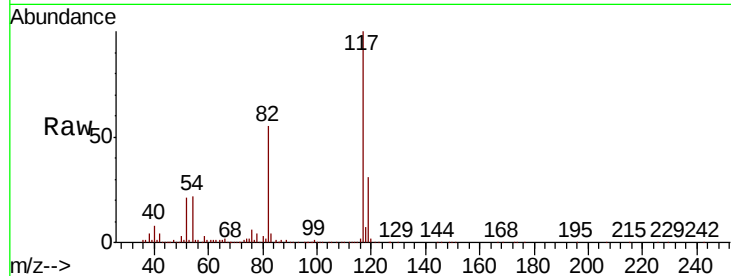




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008393.D
Acq: 22 Jan 2019 17:13

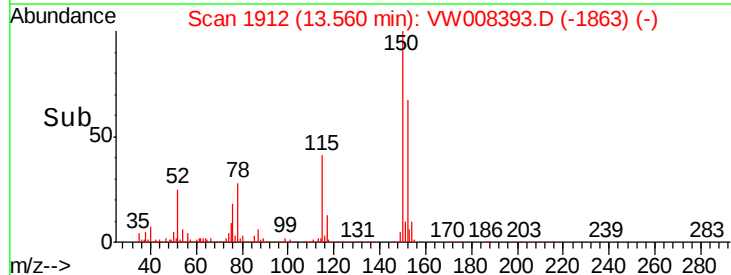
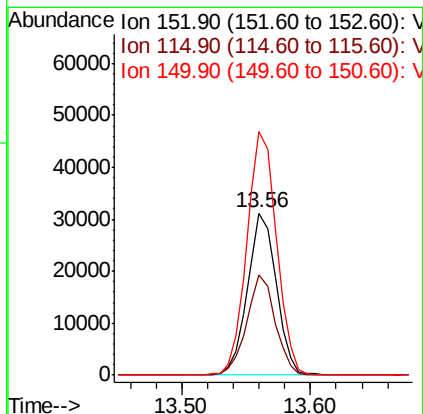
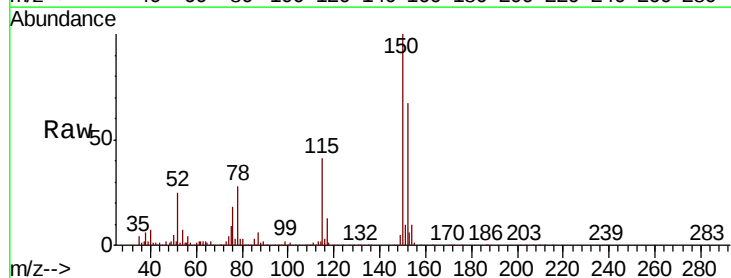
Instrument :
MSVOA_W
ClientSampleId :
T-1ARE

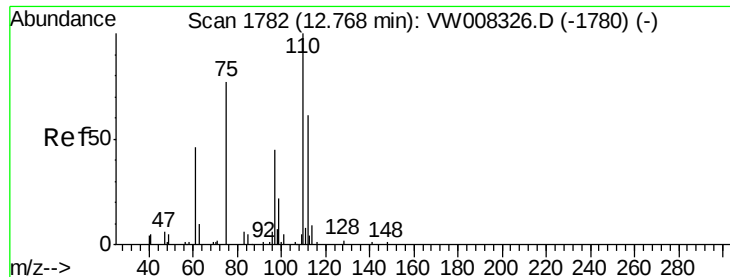
Tgt Ion:117 Resp: 107907
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 30.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008393.D
Acq: 22 Jan 2019 17:13

Tgt Ion:152 Resp: 48189
Ion Ratio Lower Upper
152 100
115 60.8 28.8 86.4
150 154.0 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 34.127 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Instrument :

MSVOA_W

ClientSampleId :

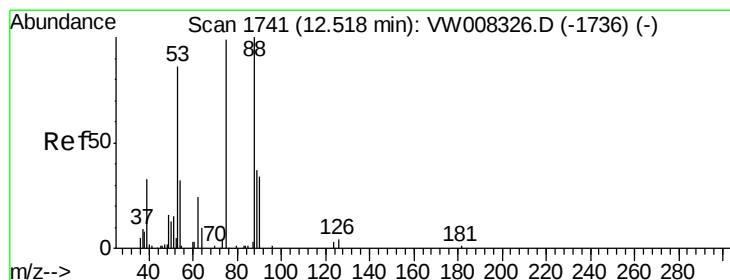
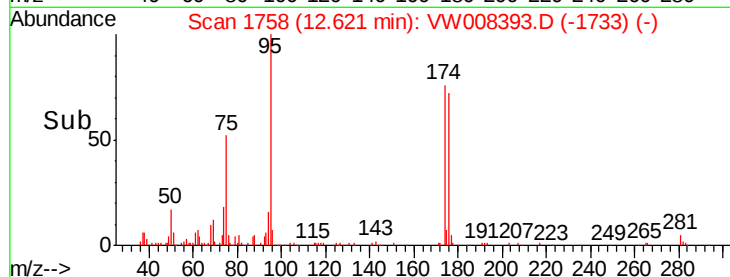
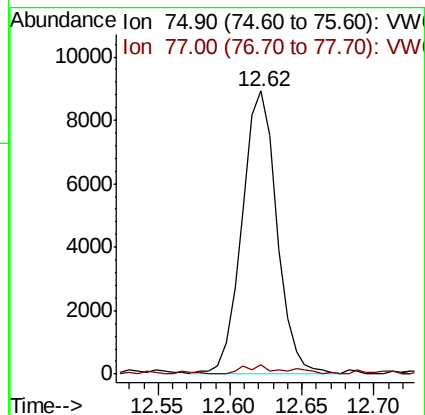
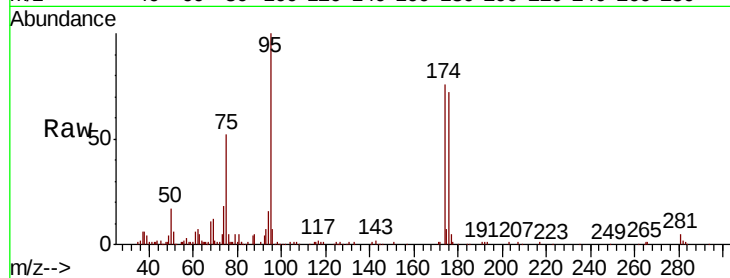
T-1ARE

Tgt Ion: 75 Resp: 14976

Ion Ratio Lower Upper

75 100

77 2.7 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.441 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

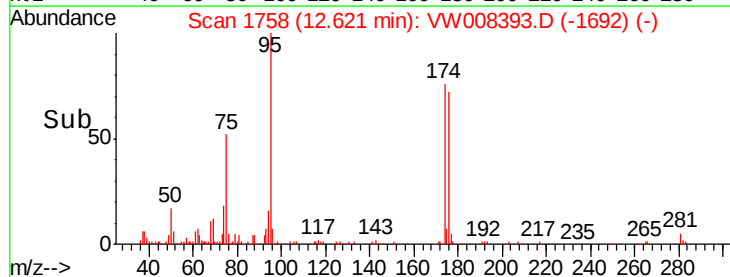
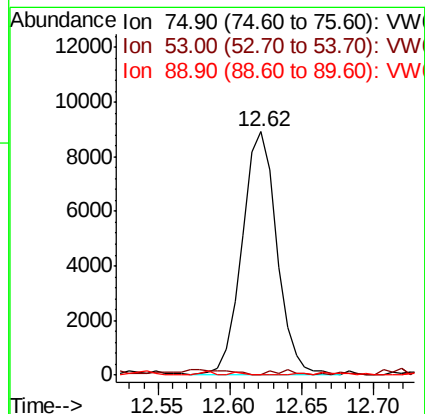
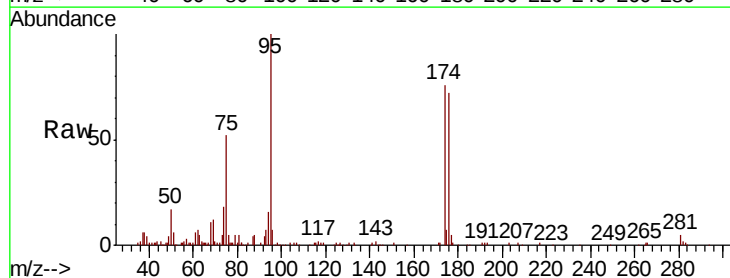
Tgt Ion: 75 Resp: 14976

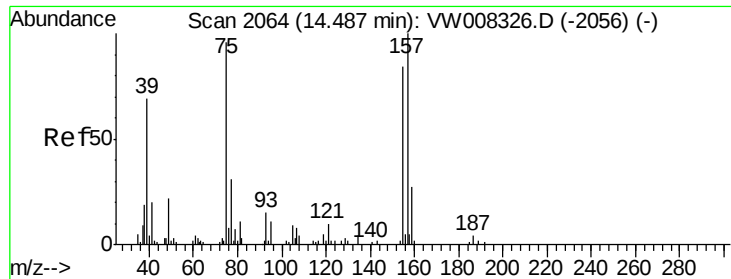
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.4#

89 0.4 36.7 55.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.034 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Instrument :

MSVOA_W

ClientSampled :

T-1ARE

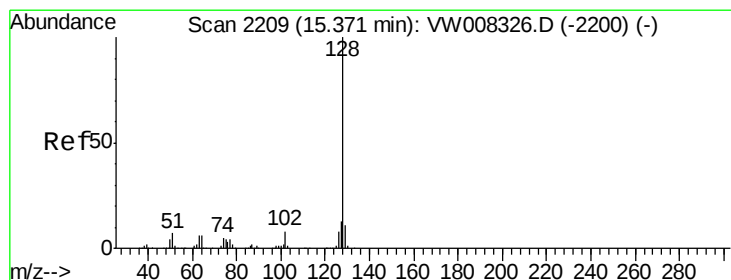
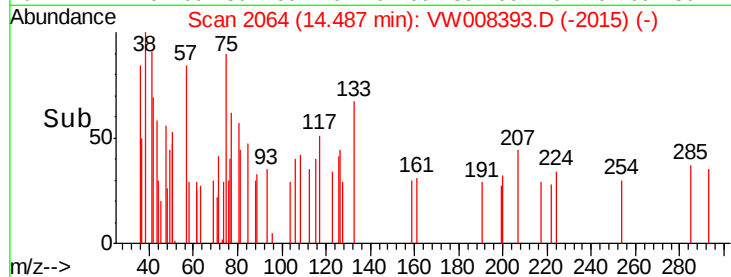
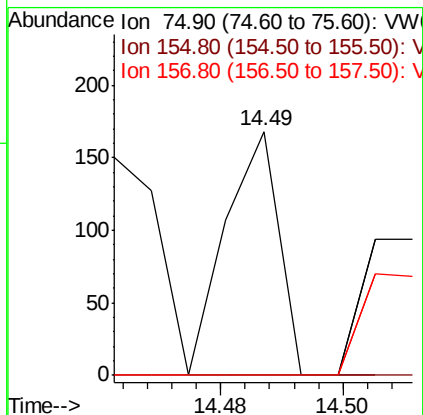
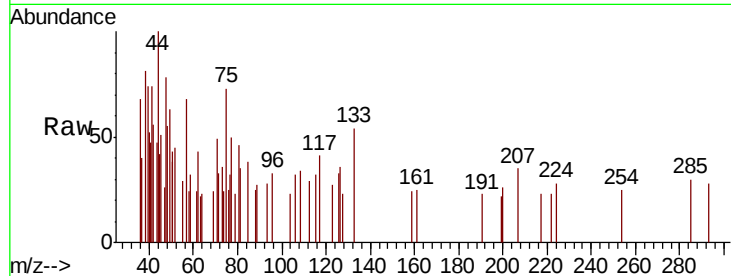
Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

155 0.0 44.7 134.1#

157 50.5 53.9 161.8#



#95

Naphthalene

Concen: 2.426 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008393.D

Acq: 22 Jan 2019 17:13

Tgt Ion: 128 Resp: 188

Ion Ratio Lower Upper

128 100

127 37.8 10.5 15.7#

129 0.0 8.8 13.2#

