

Data File : VW012775.D
Acq On : 08 Sep 2019 17:44
Operator : SY/VA
Sample : K4603-13
Misc : 4.76G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F2-(0)

Quant Time: Sep 09 05:59:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	291689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	112541	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	7.88	113	87023	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.32	98	341800	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.62	95	101267	41.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.12%	

Target Compounds

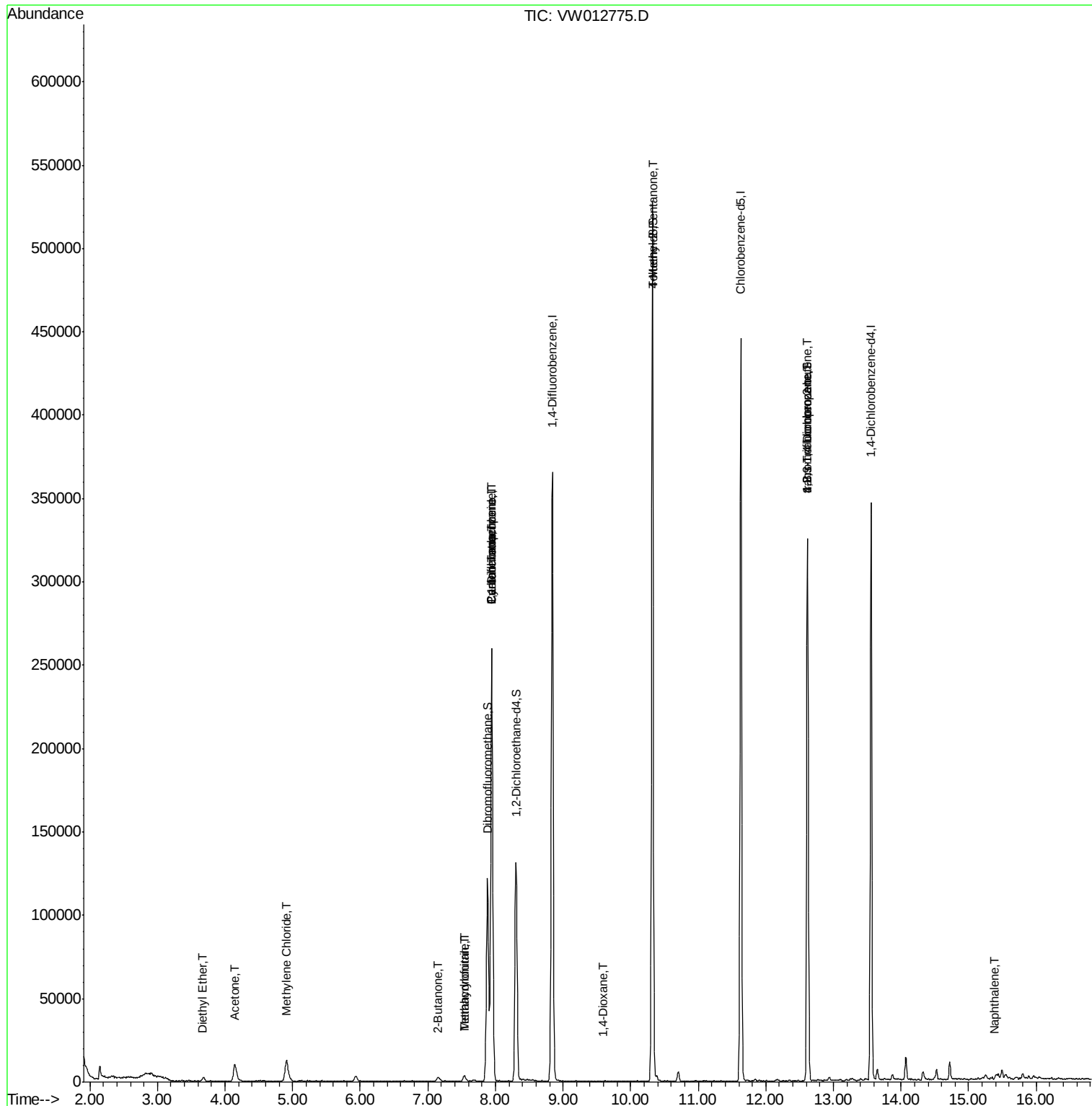
						Qvalue
8) Diethyl Ether	3.67	74	1264	1.416	ug/l	89
16) Acetone	4.14	43	22137	38.136	ug/l	93
20) Methylene Chloride	4.90	84	9562	5.265	ug/l	86
25) 2-Butanone	7.14	43	311	20.015	ug/l #	53
29) Tetrahydrofuran	7.54	42	2674	5.704	ug/l #	86
31) Cyclohexane	7.94	56	4470	1.428	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	15196	5.863	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19566	7.659	ug/l #	16
41) Methacrylonitrile	7.54	41	2277	5.711	ug/l #	51
49) 1,4-Dioxane	9.60	88	24	1.287	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1975	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	55889	60.443	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55889	127.841	ug/l #	6
95) Naphthalene	15.37	128	315	4.515	ug/l #	85

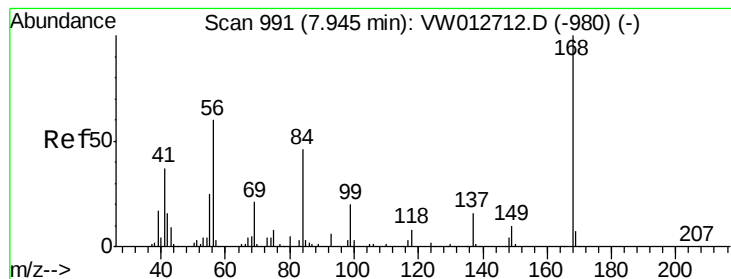
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012775.D

Acq: 08 Sep 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

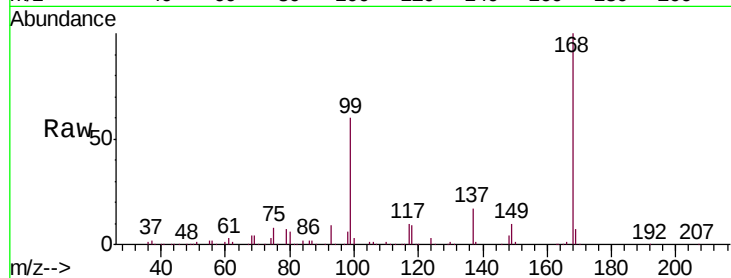
PAR-12-F2-(0)

Tgt Ion:168 Resp: 190566

Ion Ratio Lower Upper

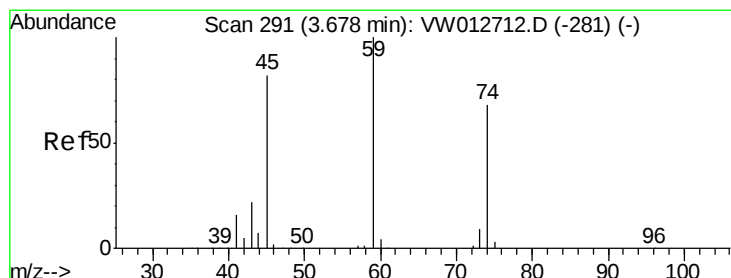
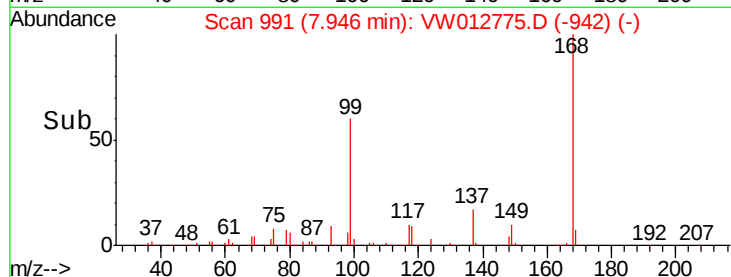
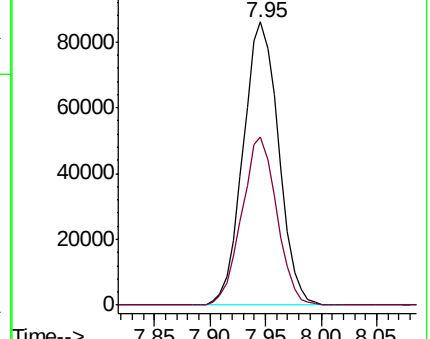
168 100

99 59.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.416 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012775.D

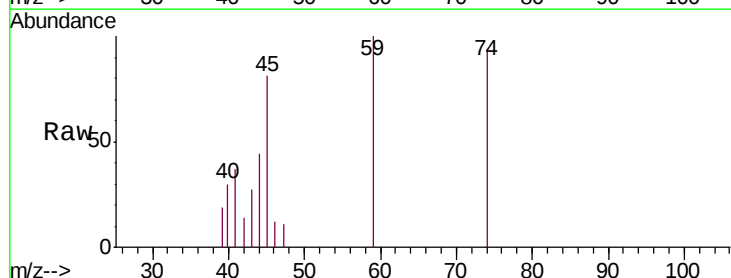
Acq: 08 Sep 2019 17:44

Tgt Ion: 74 Resp: 1264

Ion Ratio Lower Upper

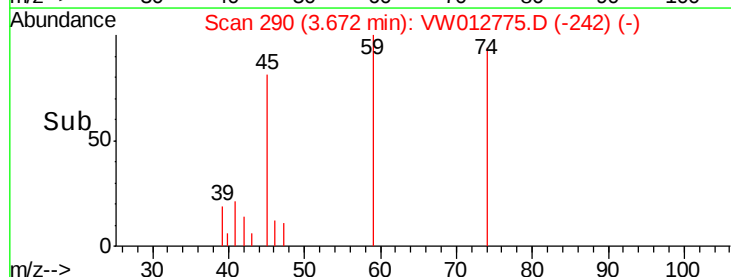
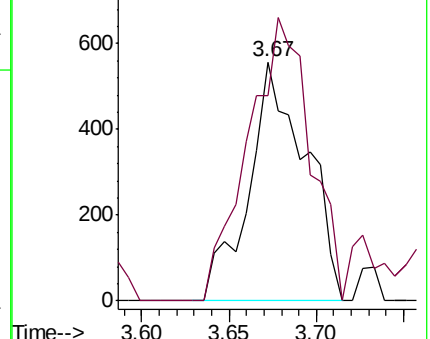
74 100

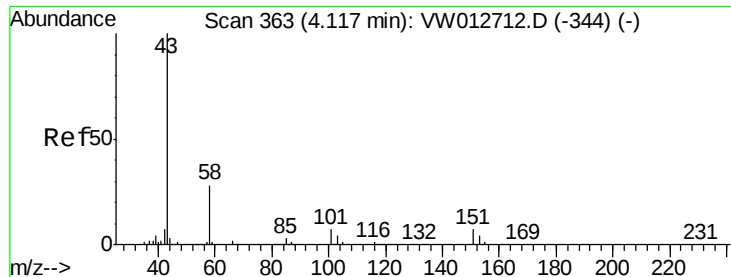
45 129.4 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 38.136 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

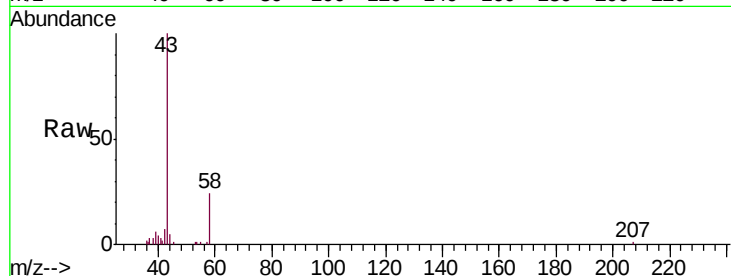
PAR-12-F2-(0)

Tgt Ion: 43 Resp: 22137

Ion Ratio Lower Upper

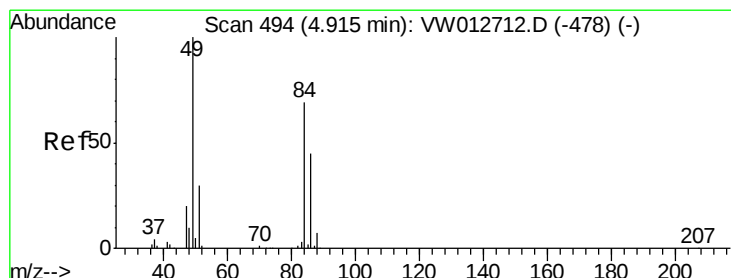
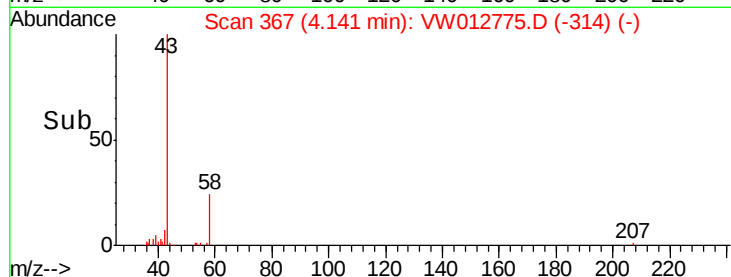
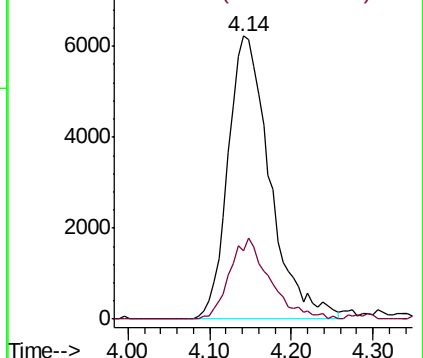
43 100

58 24.3 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.265 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

Tgt Ion: 84 Resp: 9562

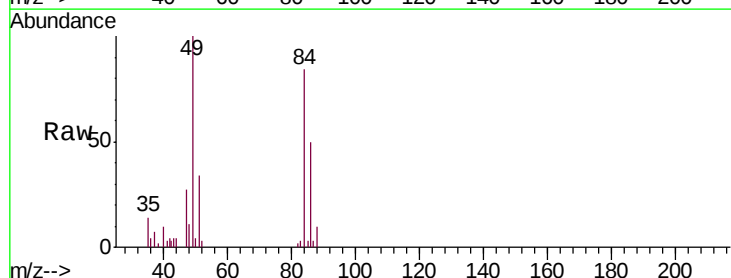
Ion Ratio Lower Upper

84 100

49 119.7 115.4 173.0

51 40.6 34.9 52.3

86 59.8 52.2 78.4

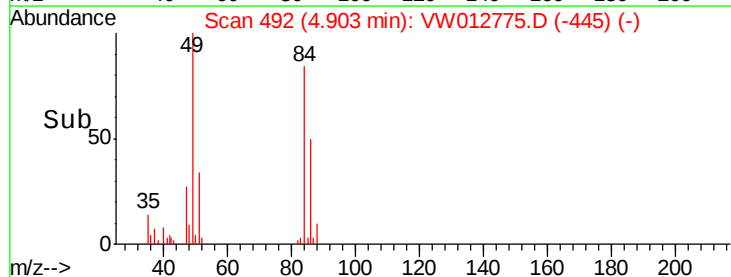
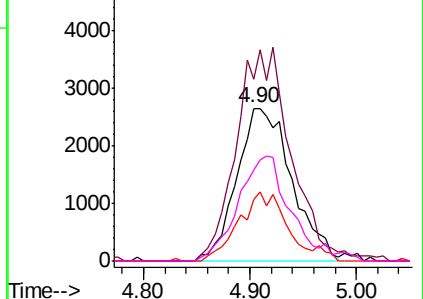


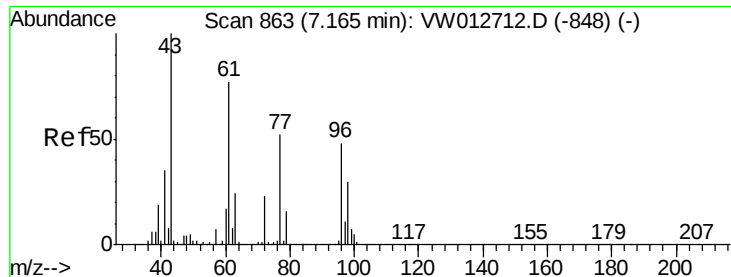
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 20.015 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

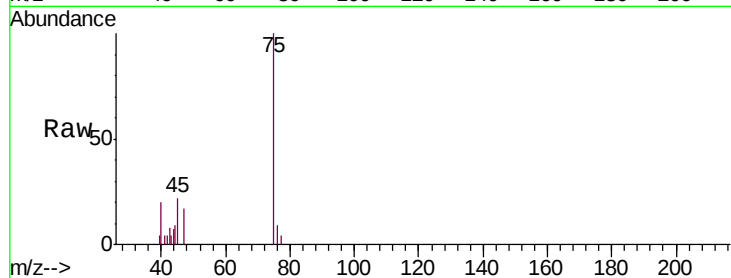
PAR-12-F2-(0)

Tgt Ion: 43 Resp: 311

Ion Ratio Lower Upper

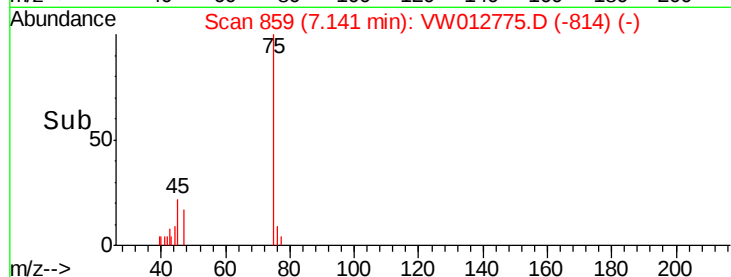
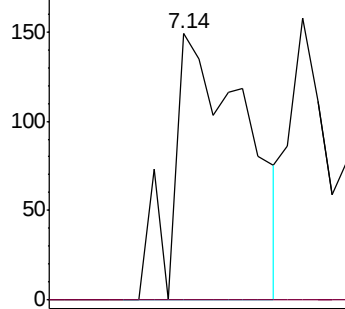
43 100

72 0.0 18.0 27.0#

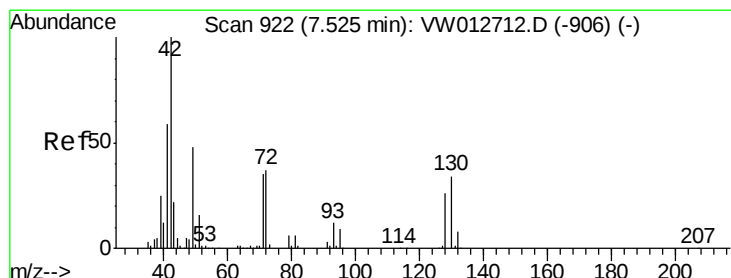


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#29

Tetrahydrofuran

Concen: 5.704 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

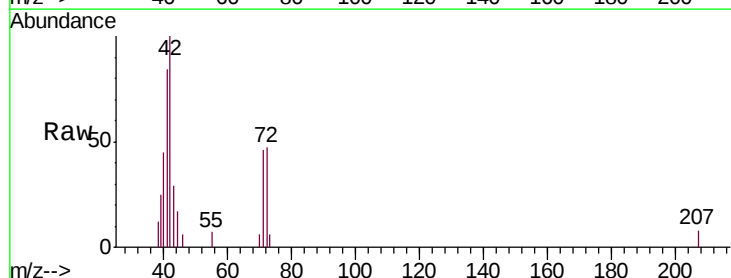
Tgt Ion: 42 Resp: 2674

Ion Ratio Lower Upper

42 100

72 43.0 28.4 42.6#

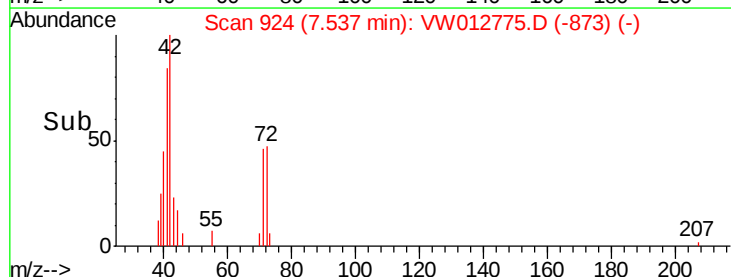
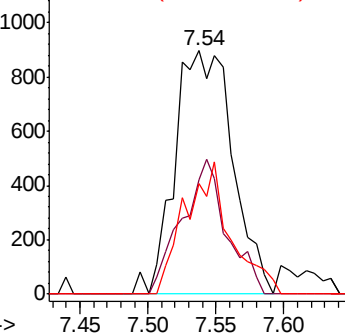
71 42.7 27.1 40.7#



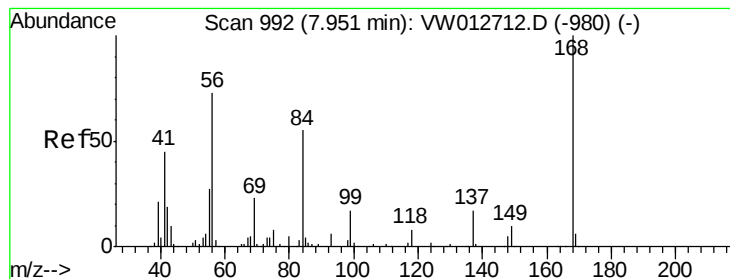
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.428 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

Instrument :

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ClientSampleId :

PAR-12-F2-(0)

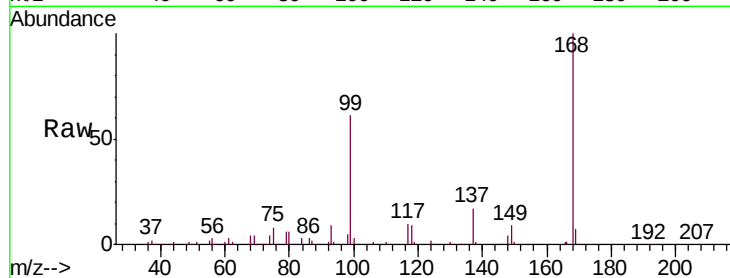
Tgt Ion: 56 Resp: 4470

Ion Ratio Lower Upper

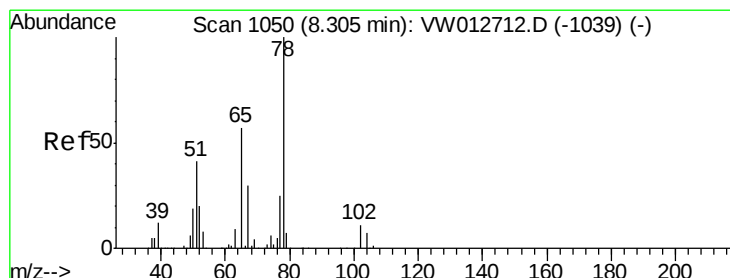
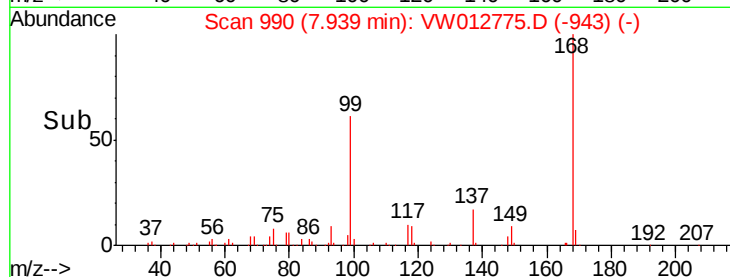
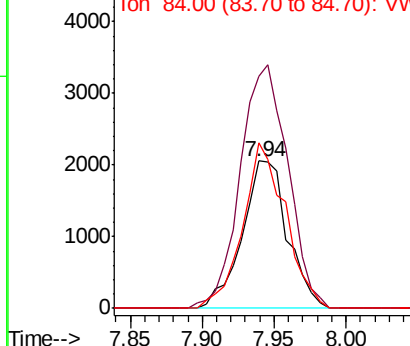
56 100

69 157.9 25.7 38.5#

84 112.8 60.4 90.6#



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: 52.855 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012775.D

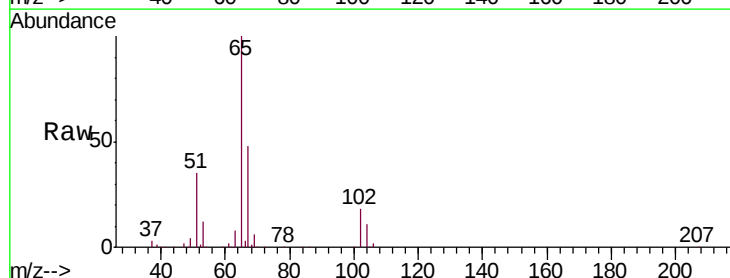
Acq: 08 Sep 2019 17:44

Tgt Ion: 65 Resp: 112541

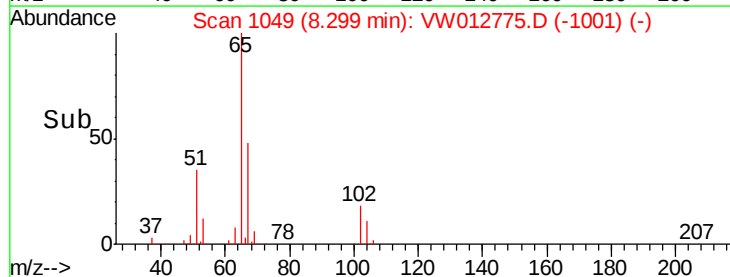
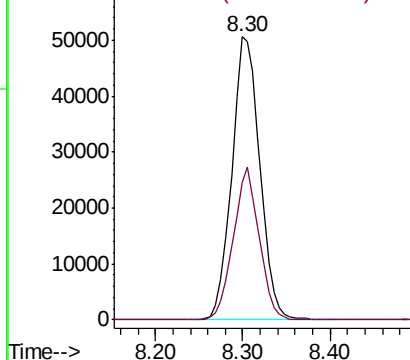
Ion Ratio Lower Upper

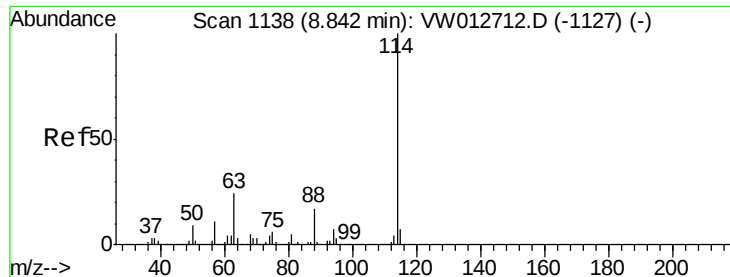
65 100

67 49.9 0.0 101.8



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

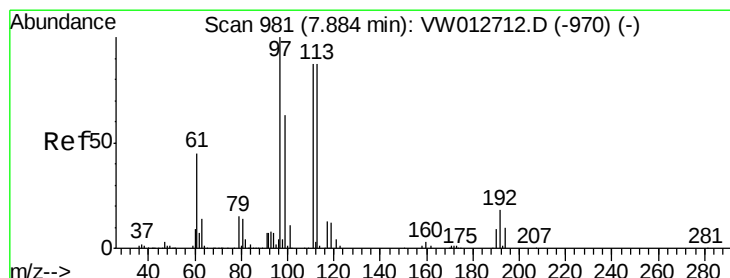
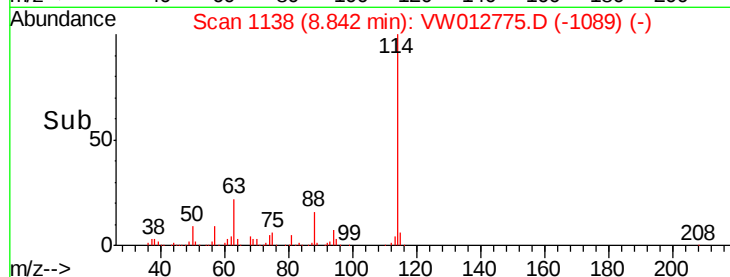
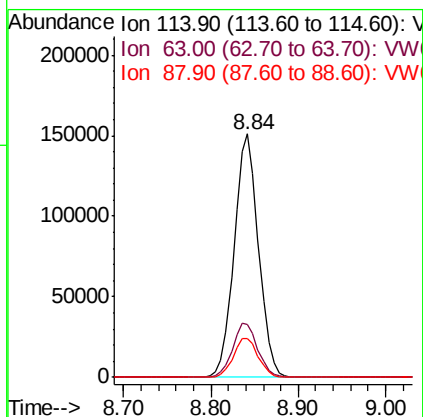
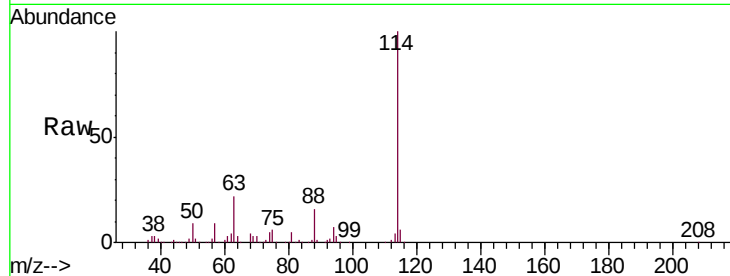




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012775.D
 Acq: 08 Sep 2019 17:44

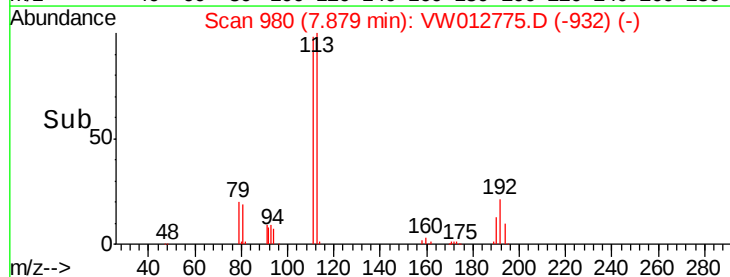
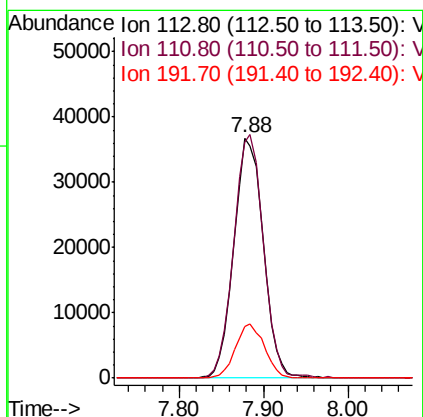
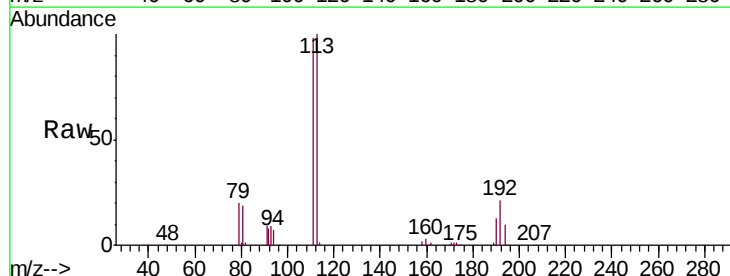
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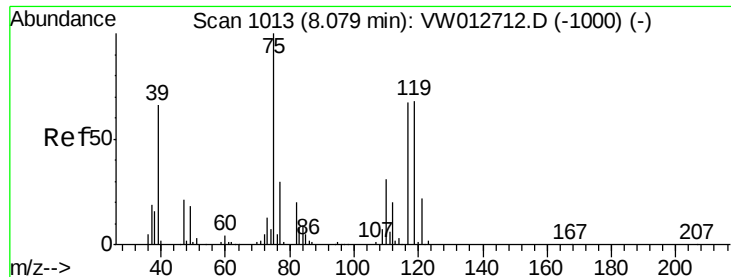
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	47.2
88	15.8	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 50.181 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012775.D
 Acq: 08 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.2	120.4
192	22.3	17.3	25.9

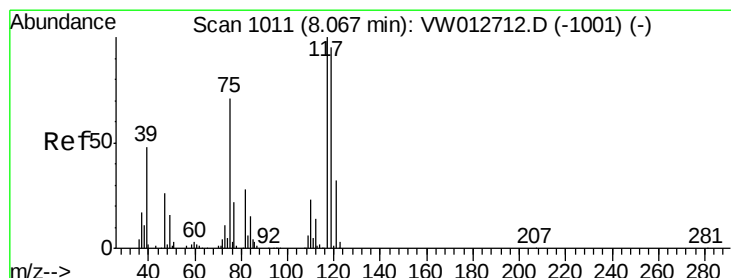
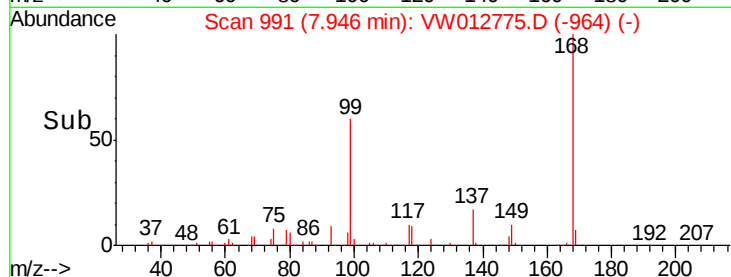
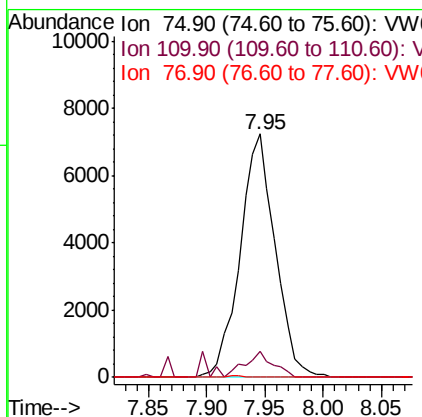
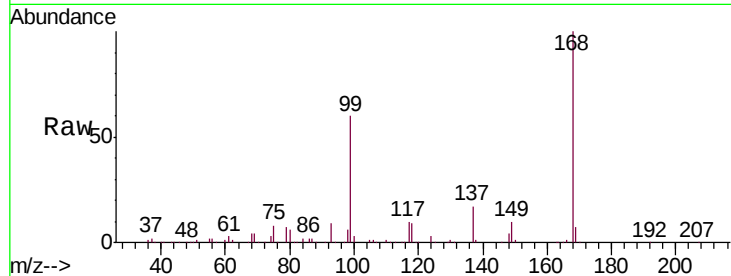




#36
 1,1-Dichloropropene
 Concen: 5.863 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012775.D
 Acq: 08 Sep 2019 17:44

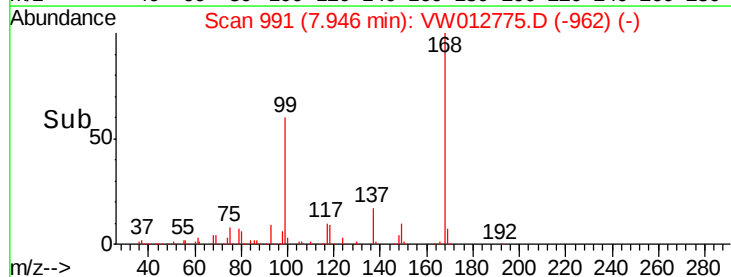
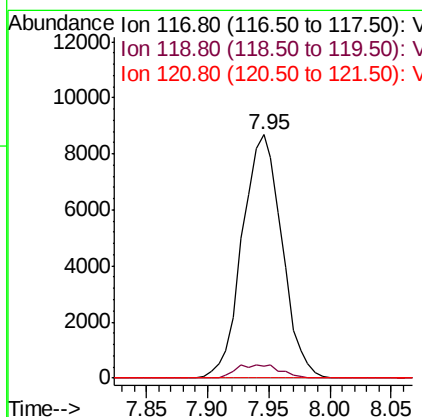
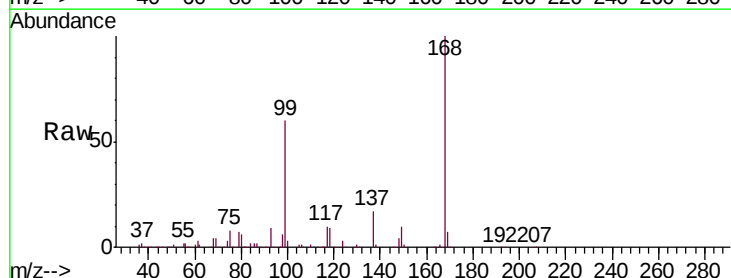
Instrument :
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 PAR-12-F2-(0)

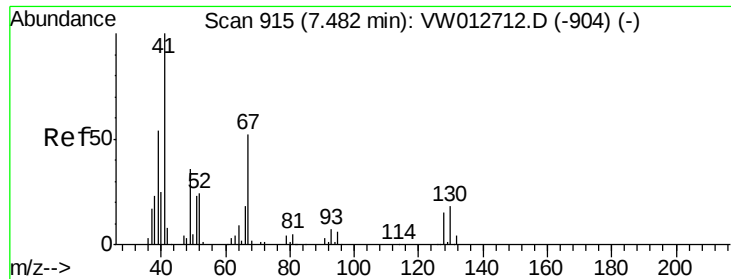
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.9	47.7#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.659 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012775.D
 Acq: 08 Sep 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.2#
121	0.0	25.4	38.2#

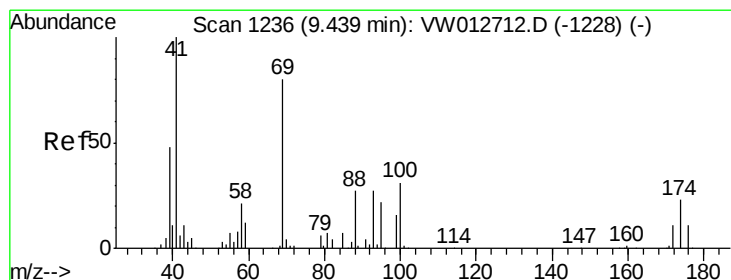
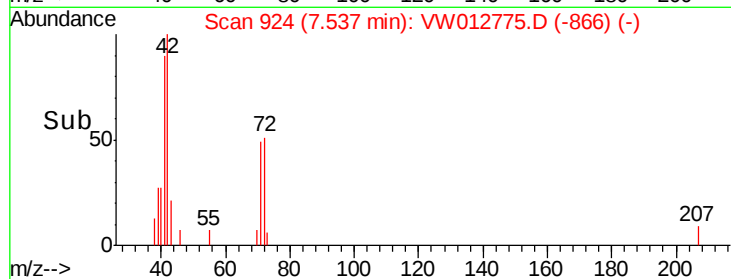
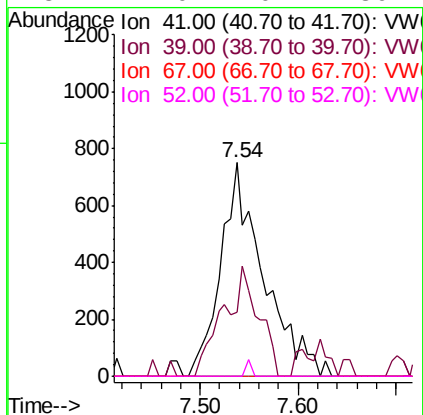
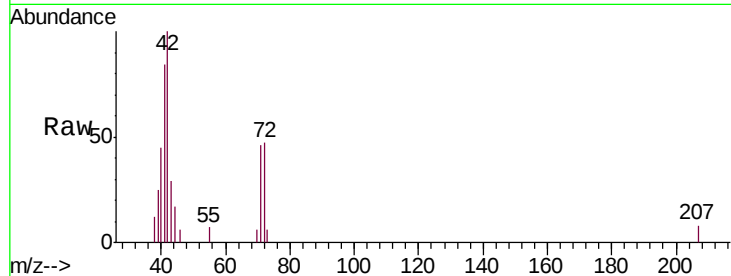




#41
Methacrylonitrile
Concen: 5.711 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW012775.D
Acq: 08 Sep 2019 17:44

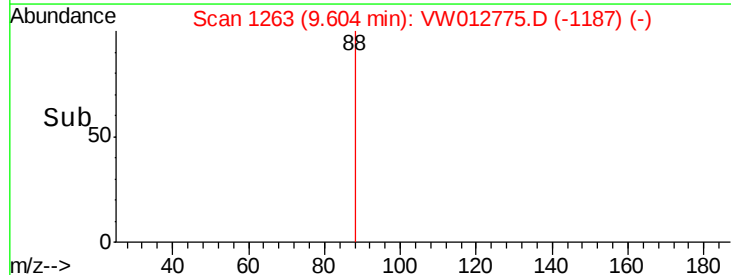
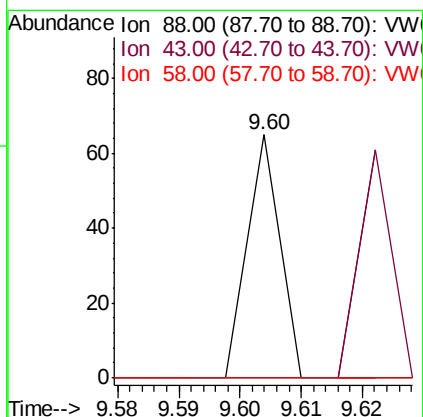
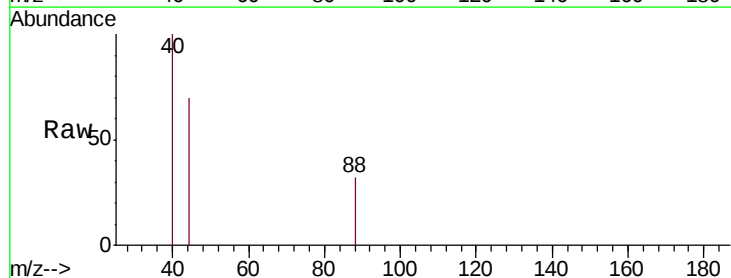
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F2-(0)

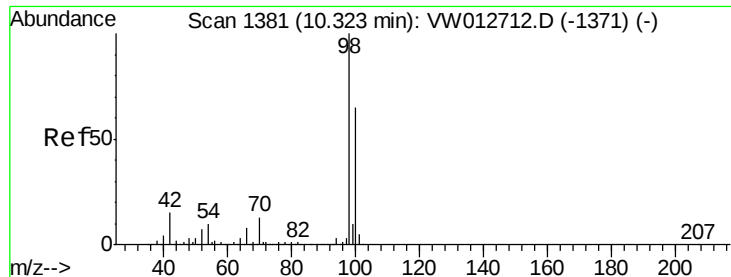
Tgt Ion:	41	Resp:	2277
Ion	Ratio	Lower	Upper
41	100		
39	42.6	47.5	71.3#
67	0.0	45.1	67.7#
52	1.0	20.2	30.2#



#49
1,4-Dioxane
Concen: 1.287 ug/l
RT: 9.60 min Scan# 1263
Delta R.T. 0.16 min
Lab File: VW012775.D
Acq: 08 Sep 2019 17:44

Tgt Ion:	88	Resp:	24
Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	0.0	64.1	96.1#





#50

Toluene-d8

Concen: 50.309 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

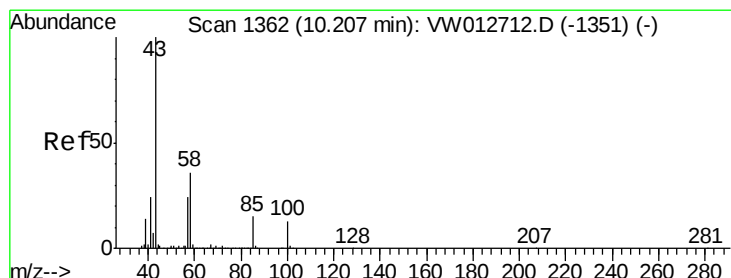
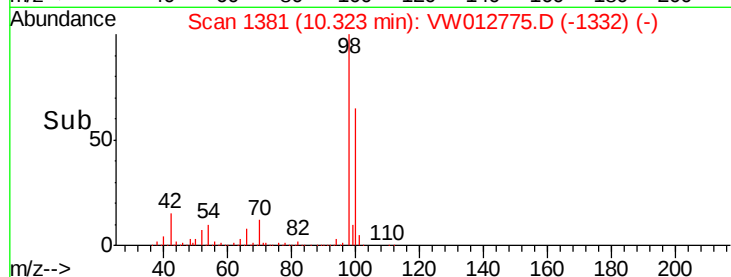
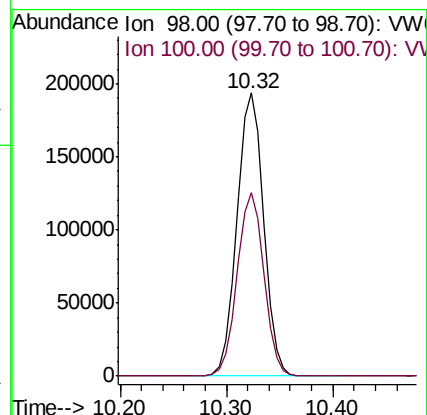
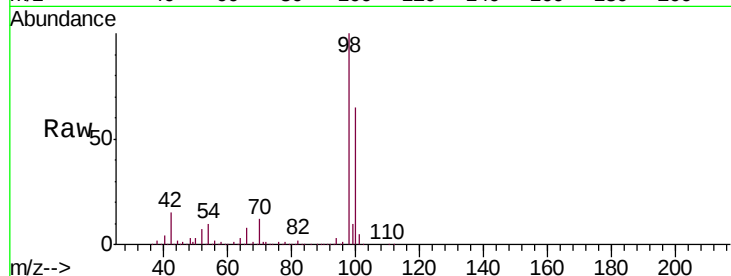
PAR-12-F2-(0)

Tgt Ion: 98 Resp: 341800

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.202 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012775.D

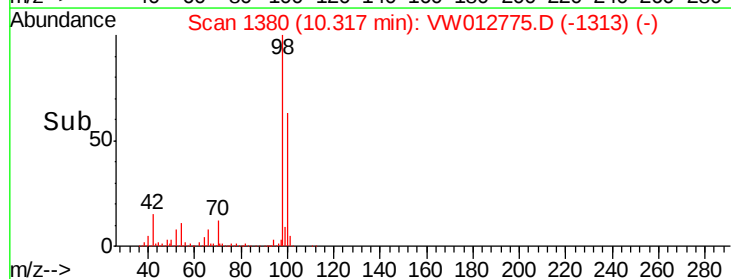
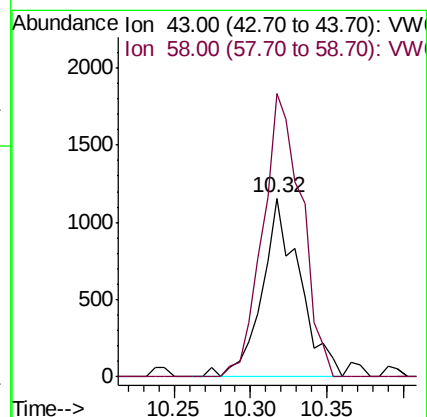
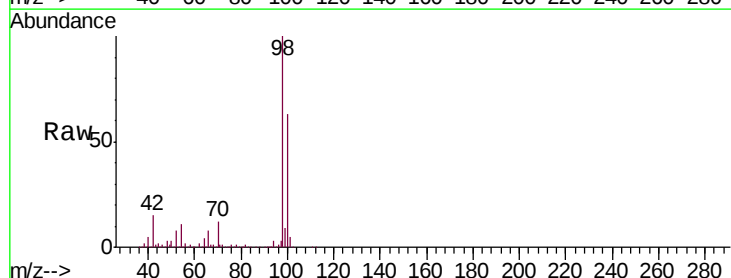
Acq: 08 Sep 2019 17:44

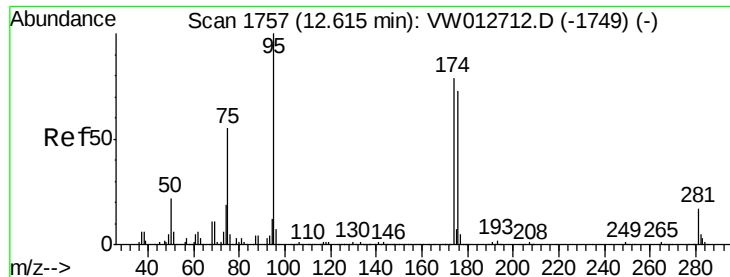
Tgt Ion: 43 Resp: 1975

Ion Ratio Lower Upper

43 100

58 164.7 28.4 42.6#





#62

4-Bromofluorobenzene

Concen: 41.058 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F2-(0)

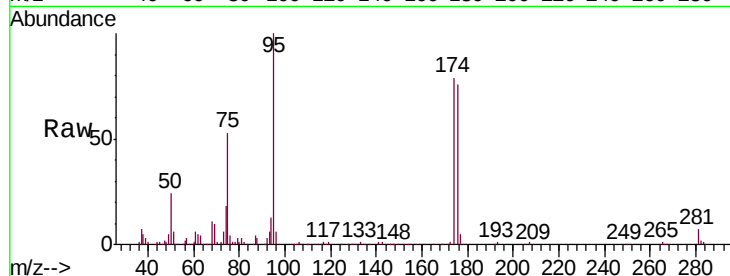
Tgt Ion: 95 Resp: 101267

Ion Ratio Lower Upper

95 100

174 83.5 0.0 161.0

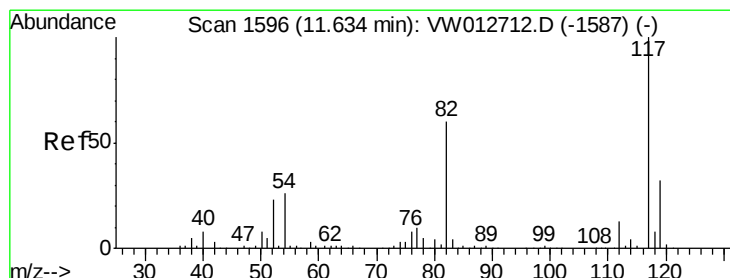
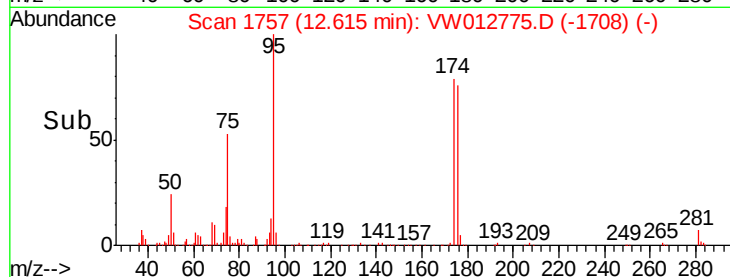
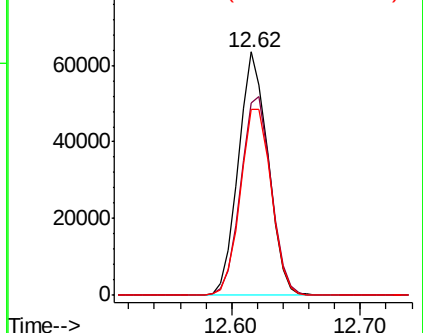
176 79.8 0.0 156.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

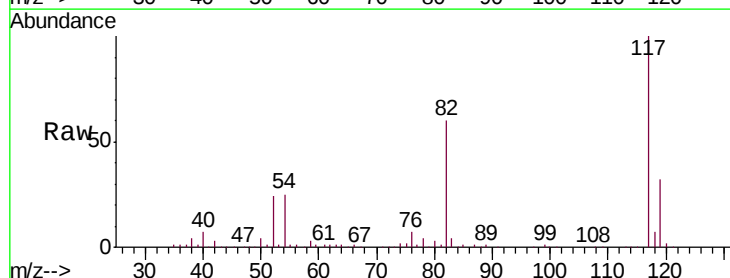
Tgt Ion: 117 Resp: 236393

Ion Ratio Lower Upper

117 100

82 60.4 48.2 72.4

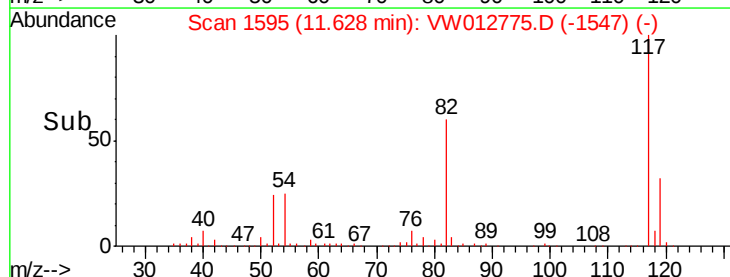
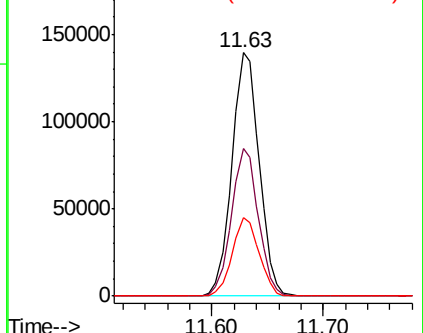
119 32.4 25.8 38.6

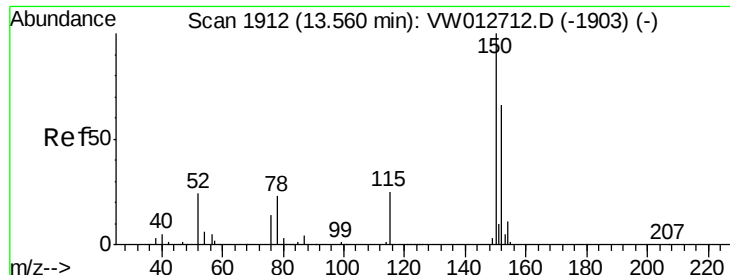


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012775.D

Acq: 08 Sep 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F2-(0)

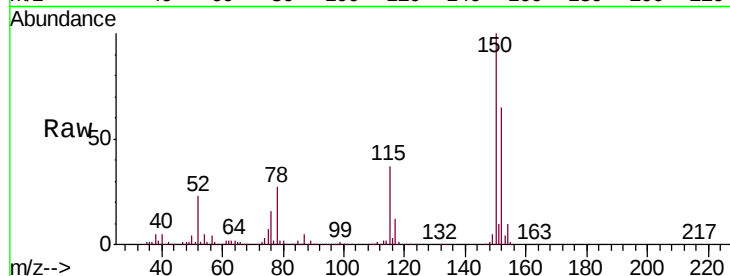
Tgt Ion:152 Resp: 90427

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.1

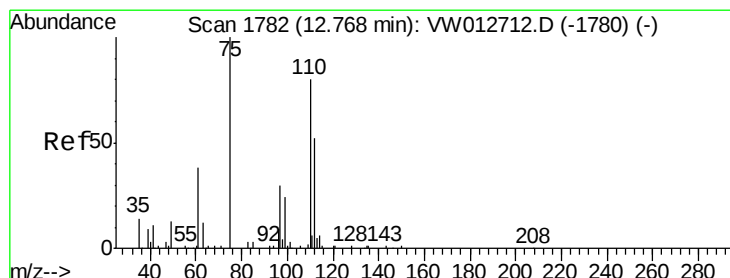
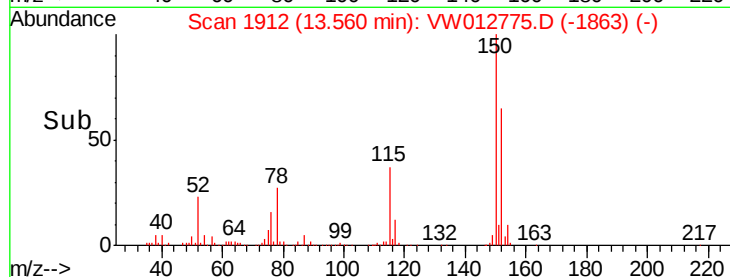
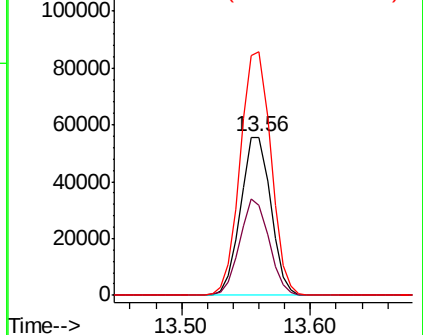
150 156.4 0.0 349.0



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: 60.443 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012775.D

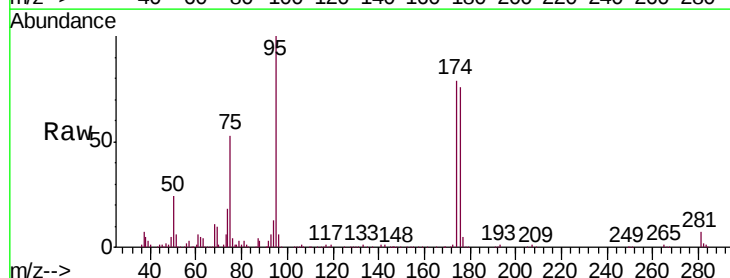
Acq: 08 Sep 2019 17:44

Tgt Ion: 75 Resp: 55889

Ion Ratio Lower Upper

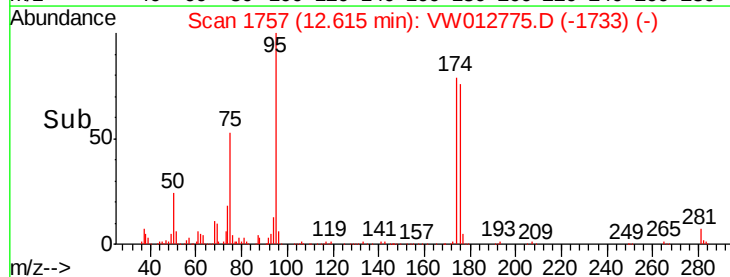
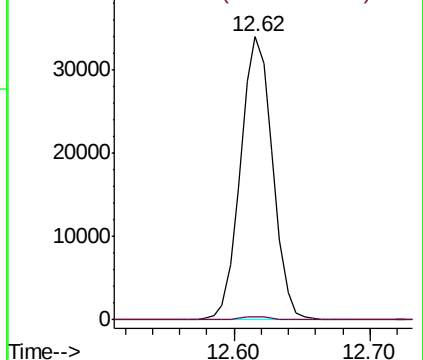
75 100

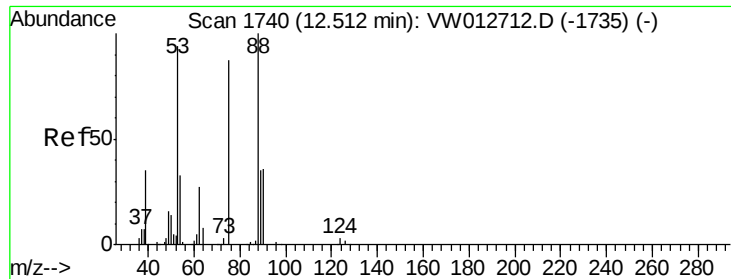
77 1.3 0.0 0.0#



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: 127.841 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F2-(0)

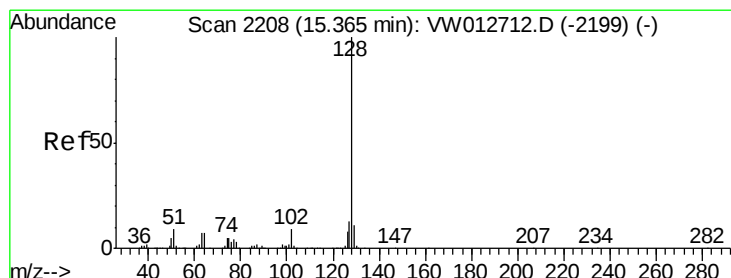
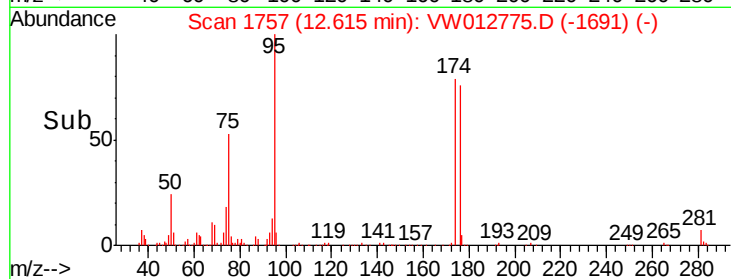
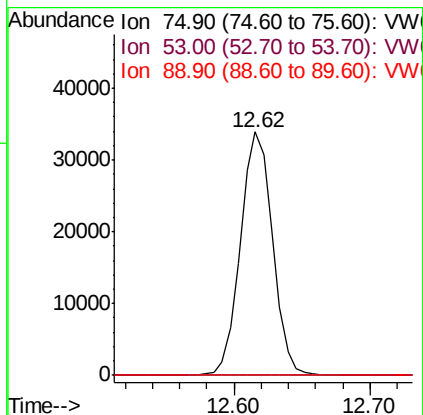
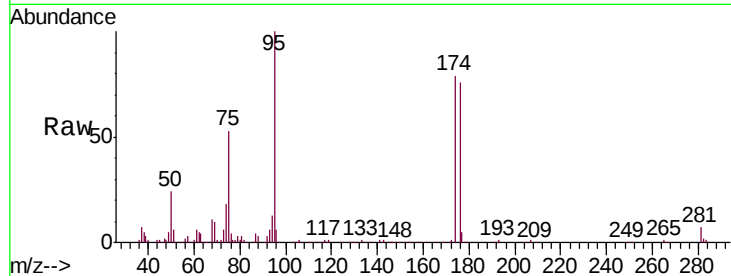
Tgt Ion: 75 Resp: 55889

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.0 35.5 53.3#



#95

Naphthalene

Concen: 4.515 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012775.D

Acq: 08 Sep 2019 17:44

Tgt Ion: 128 Resp: 315

Ion Ratio Lower Upper

128 100

127 15.2 10.7 16.1

129 0.0 8.7 13.1#

