

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\
 Data File : VW016283.D
 Acq On : 21 Aug 2020 01:10
 Operator : SY/VA
 Sample : L3507-08
 Misc : 8.21G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-081820

Quant Time: Aug 21 03:51:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

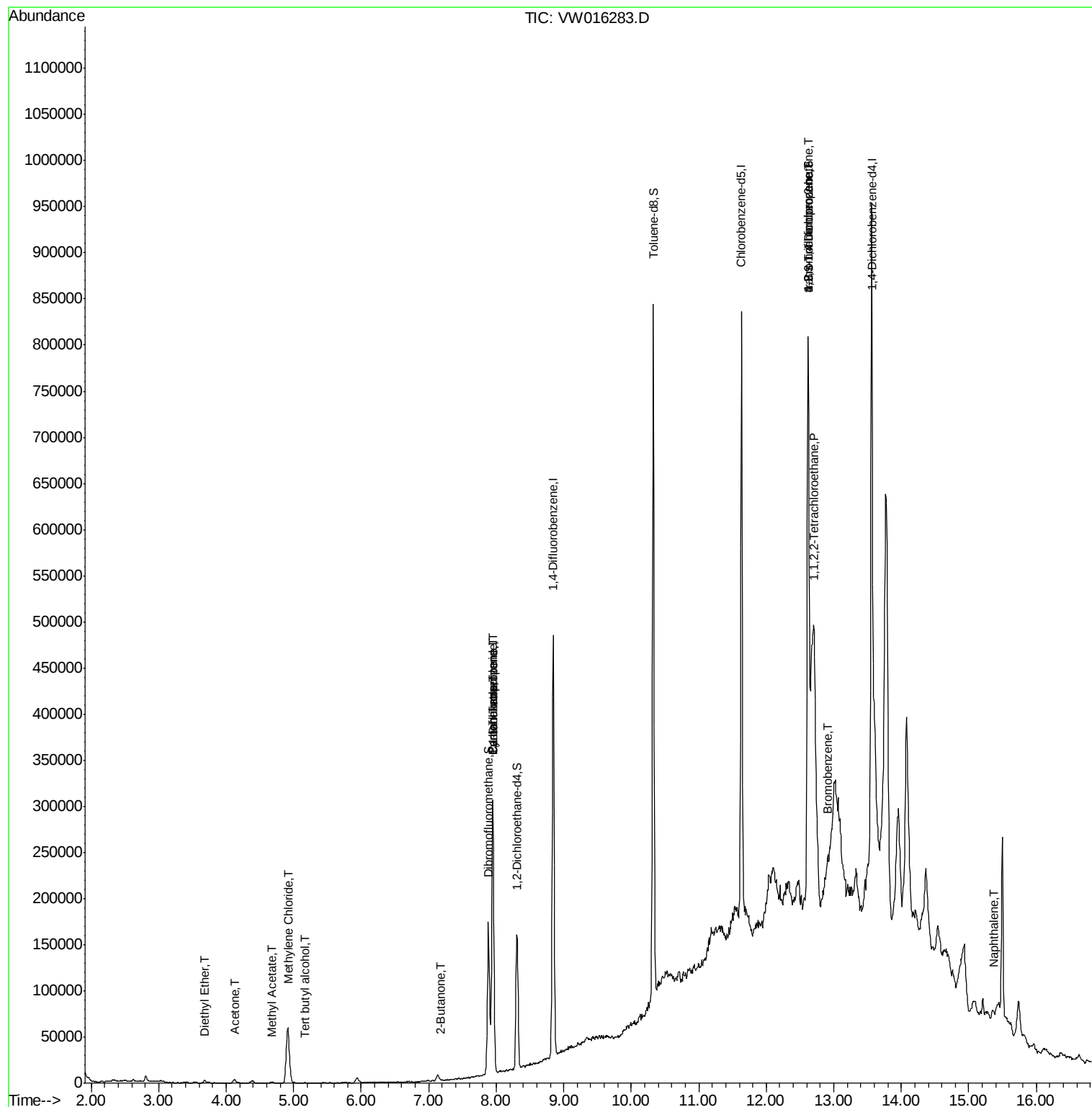
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174740	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	117629	53.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	121023	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
50) Toluene-d8	10.32	98	516034	53.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.62	95	208087	59.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.82%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1657	1.435	ug/l	99
11) Tert butyl alcohol	5.17	59	162	1.392	ug/l #	70
16) Acetone	4.12	43	6868	16.394	ug/l	97
18) Methyl Acetate	4.67	43	2198	2.253	ug/l #	78
20) Methylene Chloride	4.92	84	51813	16.610	ug/l	94
25) 2-Butanone	7.18	43	811	1.444	ug/l #	82
31) Cyclohexane	7.95	56	5567	1.395	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	16690	4.164	ug/l #	42
38) Carbon Tetrachloride	7.95	117	23409	5.853	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.70	83	123572	55.460	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	86121	53.590	ug/l #	1
77) Bromobenzene	12.90	156	25729	8.736	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	86121	128.543	ug/l #	12
95) Naphthalene	15.38	128	2461	3.933	ug/l #	85

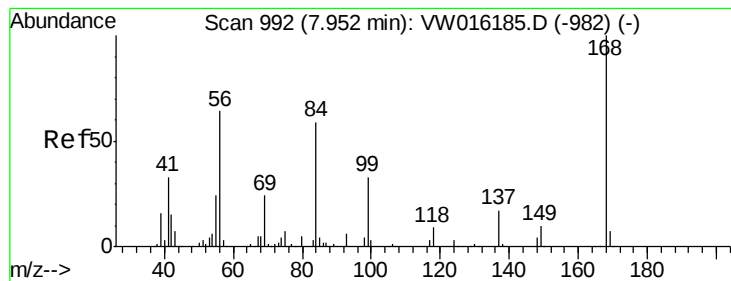
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016283.D

Acq: 21 Aug 2020 01:10

Instrument :

MSVOA_W

ClientSampleId :

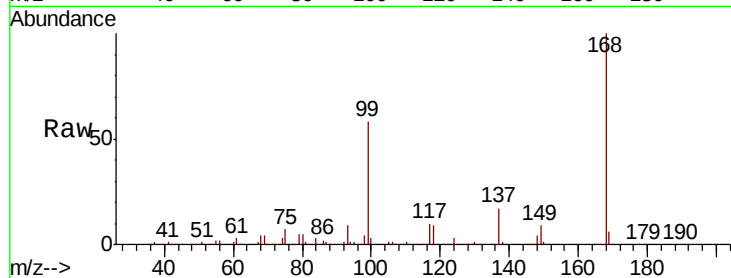
SU-02-081820

Tot Ion:168 Resp: 224250

Ion Ratio Lower Upper

168 100

99 57.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

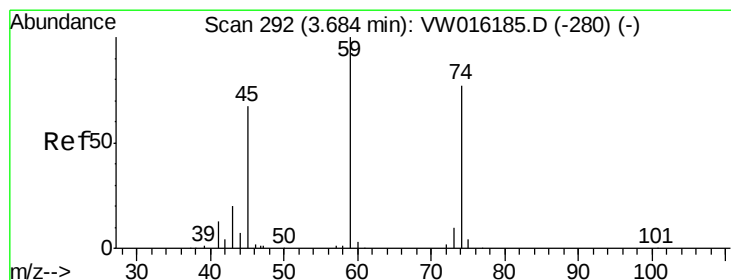
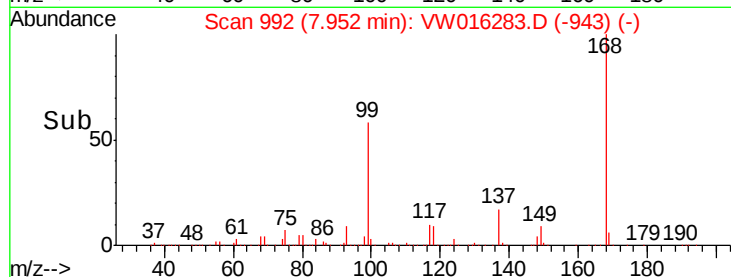
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.435 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW016283.D

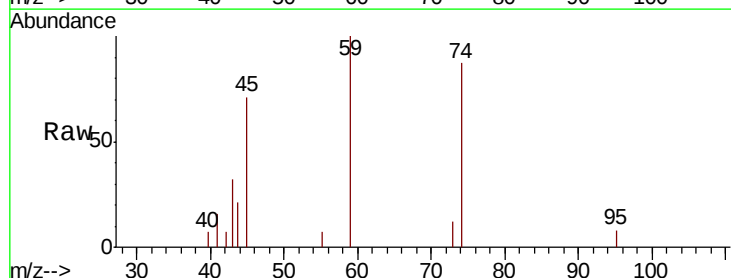
Acq: 21 Aug 2020 01:10

Tgt Ion: 74 Resp: 1657

Ion Ratio Lower Upper

74 100

45 90.7 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

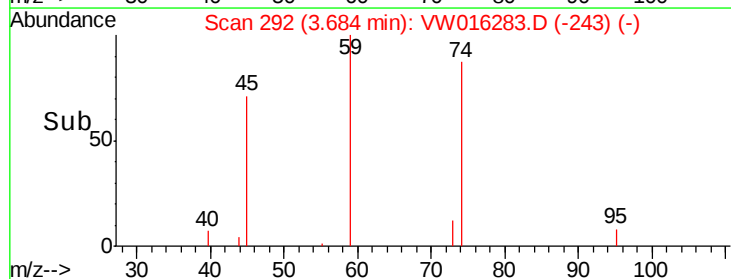
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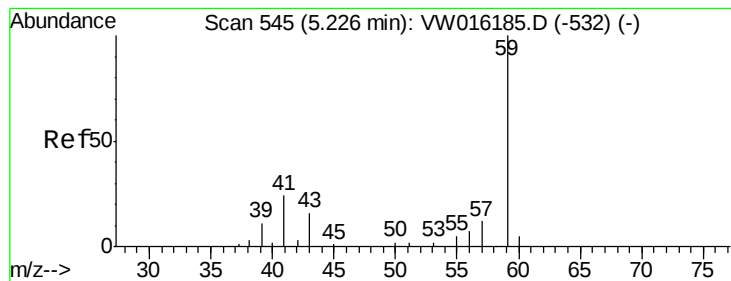
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200

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Time-->



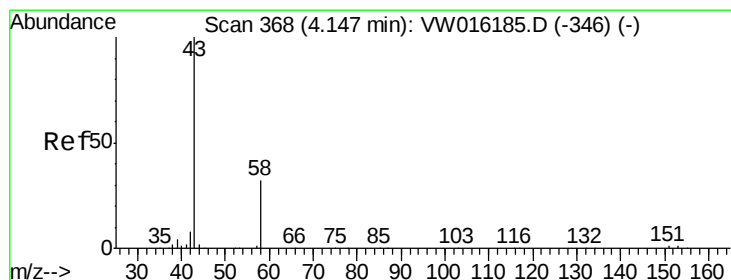
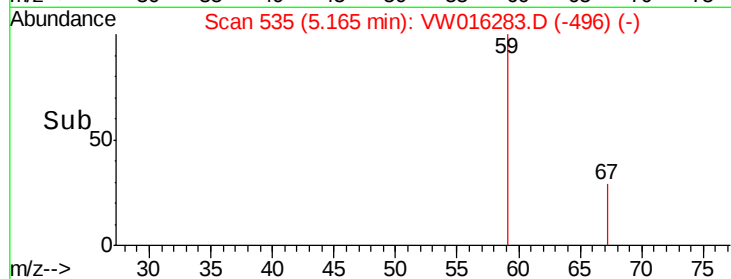
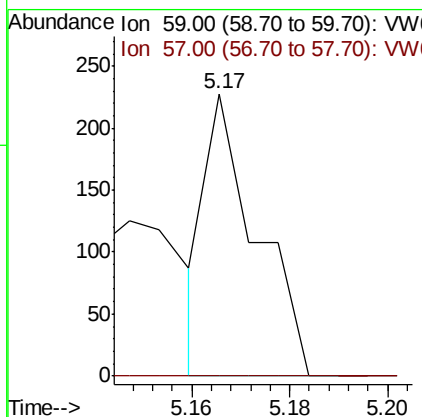
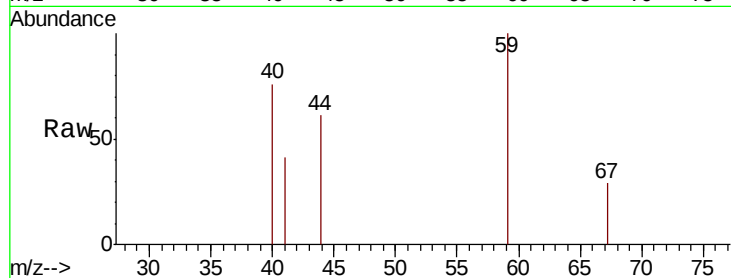


#11

Tert butyl alcohol
 Concen: 1.392 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.06 min
 Lab File: VW016283.D
 Acq: 21 Aug 2020 01:10

Instrument :
 MSVOA_W
 ClientSampled :
 SU-02-081820

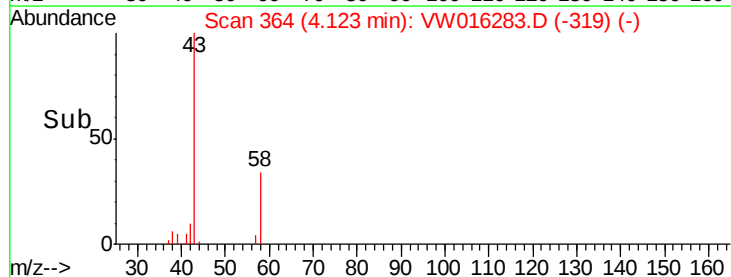
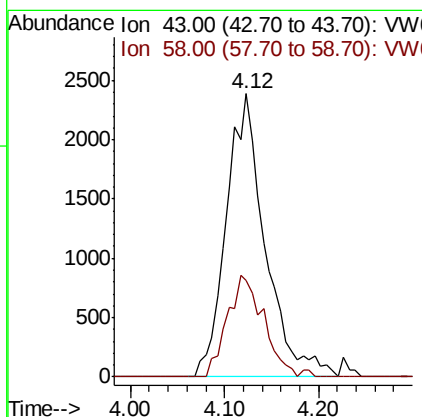
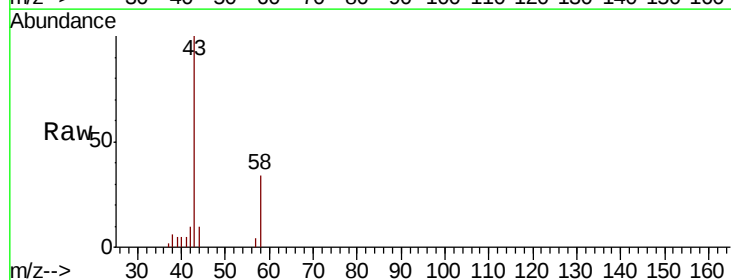
Tot Ion: 59 Resp: 162
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

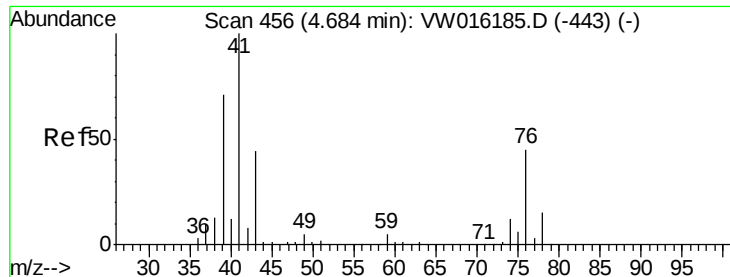


#16

Acetone
 Concen: 16.394 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VW016283.D
 Acq: 21 Aug 2020 01:10

Tgt Ion: 43 Resp: 6868
 Ion Ratio Lower Upper
 43 100
 58 34.1 25.8 38.6

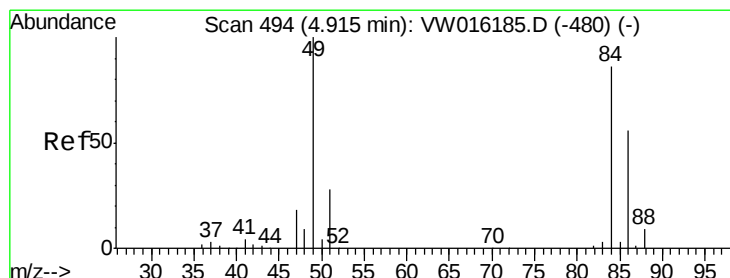
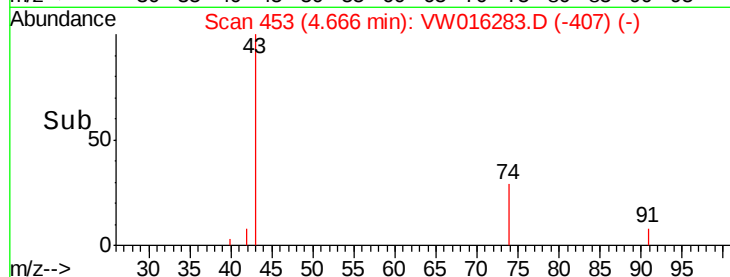
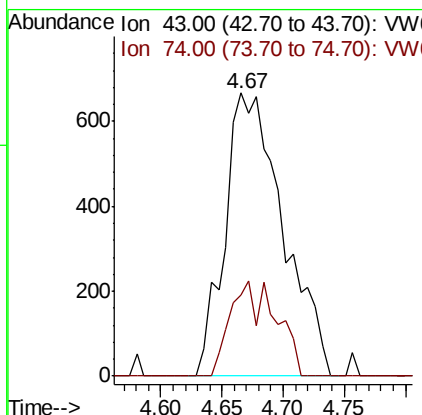
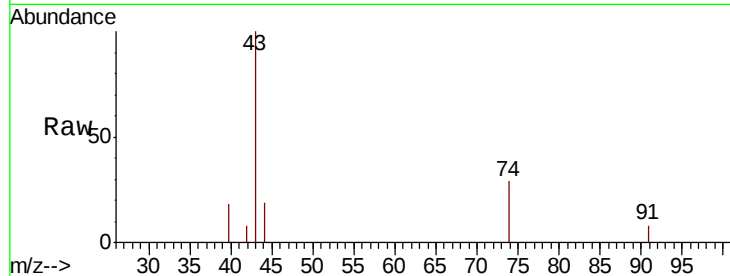




#18
Methyl Acetate
Concen: 2.253 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.02 min
Lab File: VW016283.D
Acq: 21 Aug 2020 01:10

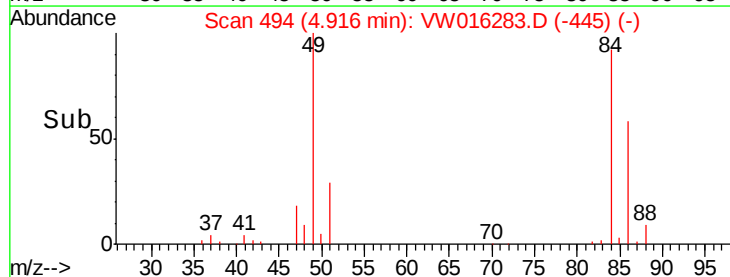
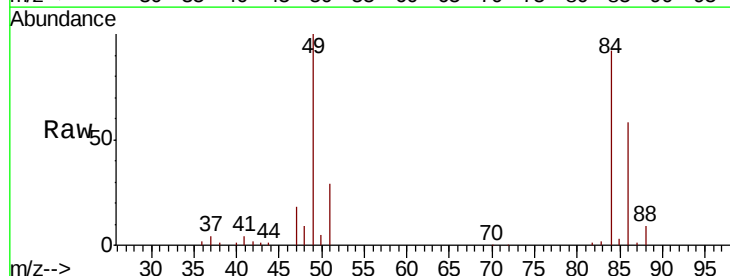
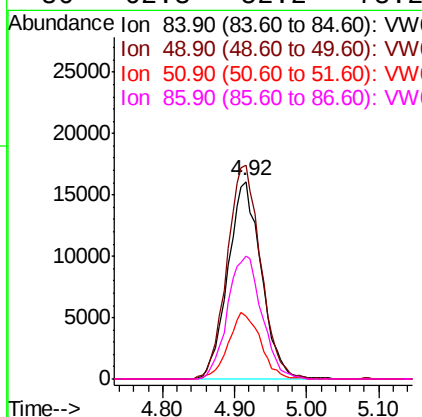
Instrument :
MSVOA_W
ClientSampleId :
SU-02-081820

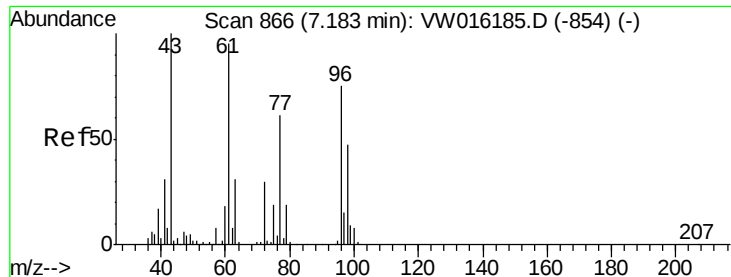
Tot Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
74 14.5 20.6 31.0#



#20
Methylene Chloride
Concen: 16.610 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016283.D
Acq: 21 Aug 2020 01:10

Tgt Ion: 84 Resp: 51813
Ion Ratio Lower Upper
84 100
49 108.3 93.4 140.2
51 31.7 26.6 40.0
86 62.3 52.2 78.2

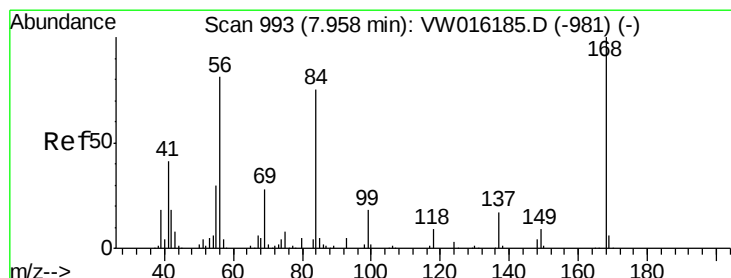
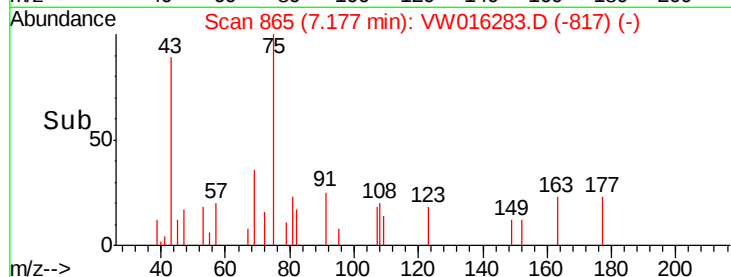
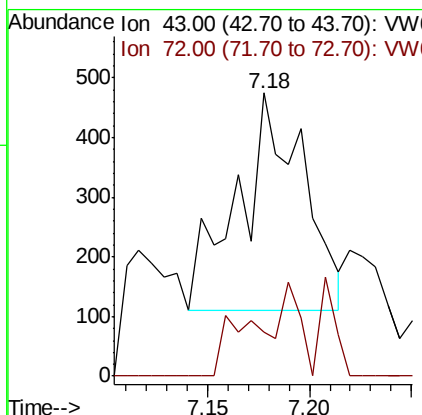
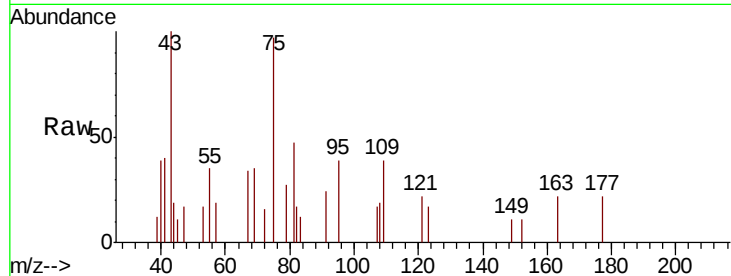




#25
2-Butanone
Concen: 1.444 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW016283.D
Acq: 21 Aug 2020 01:10

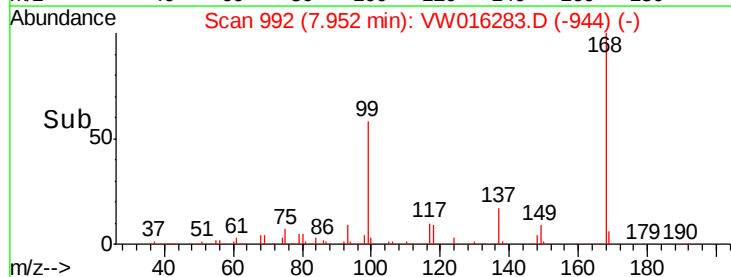
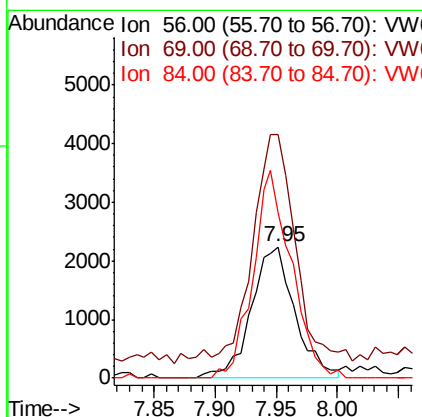
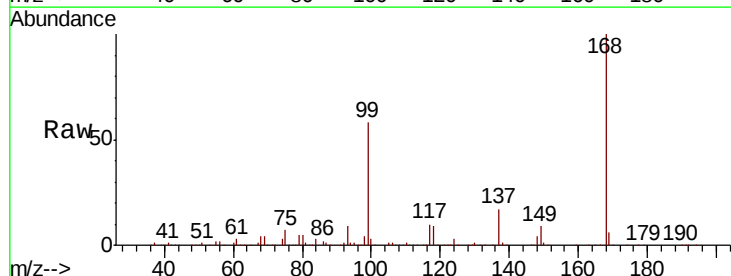
Instrument :
MSVOA_W
ClientSampled :
SU-02-081820

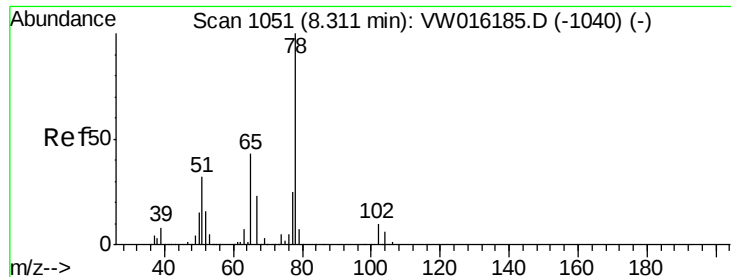
Tot Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
72 20.7 24.2 36.2#



#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016283.D
Acq: 21 Aug 2020 01:10

Tgt Ion: 56 Resp: 5567
Ion Ratio Lower Upper
56 100
69 170.6 27.3 40.9#
84 126.3 73.5 110.3#

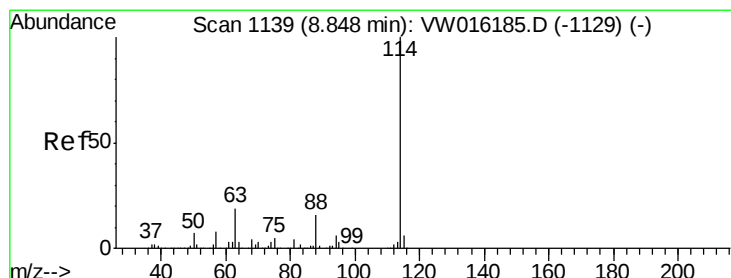
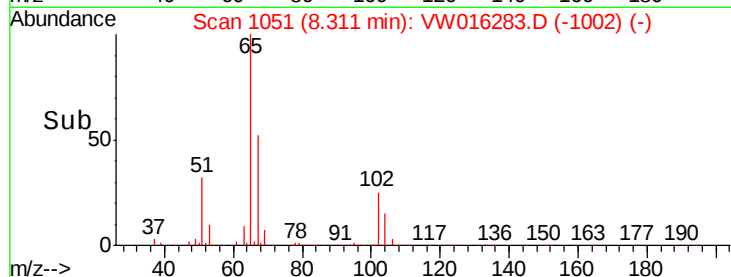
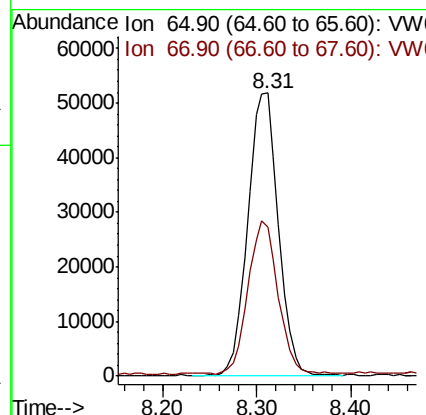
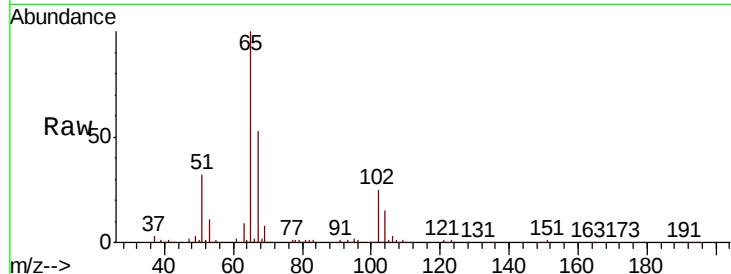




#33
 1,2-Dichloroethane-d4
 Concen: 53.788 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW016283.D
 Acq: 21 Aug 2020 01:10

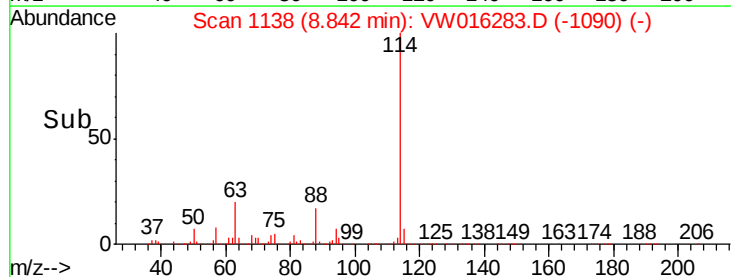
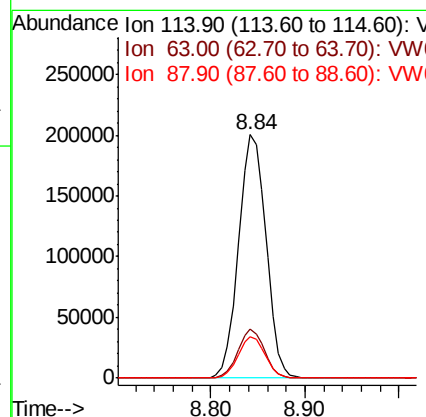
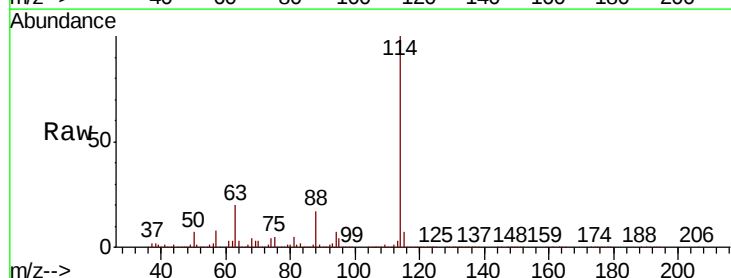
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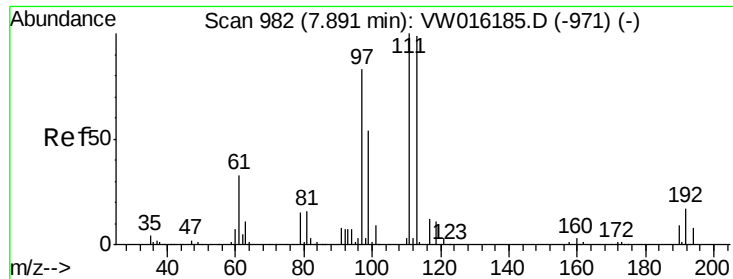
Tot Ion: 65 Resp: 117629
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016283.D
 Acq: 21 Aug 2020 01:10

Tgt Ion: 114 Resp: 406850
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.4
 88 17.1 0.0 32.8

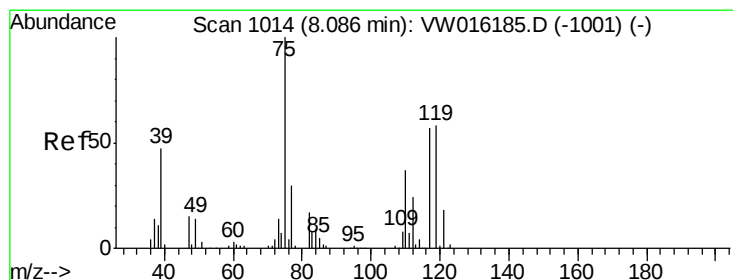
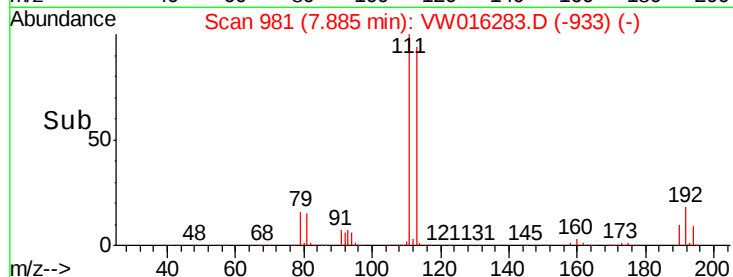
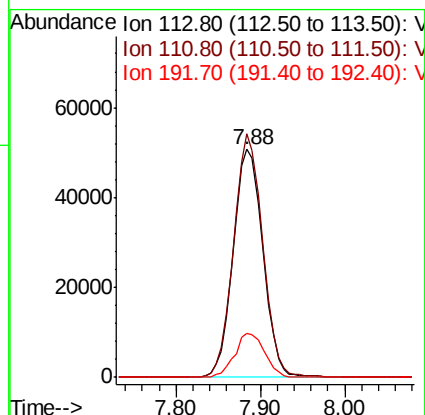
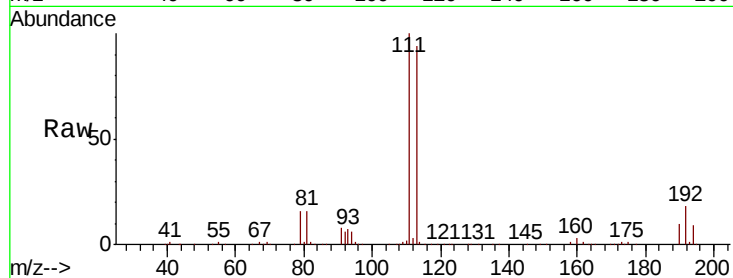




#35
 Dibromofluoromethane
 Concen: 48.211 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016283.D
 Acq: 21 Aug 2020 01:10

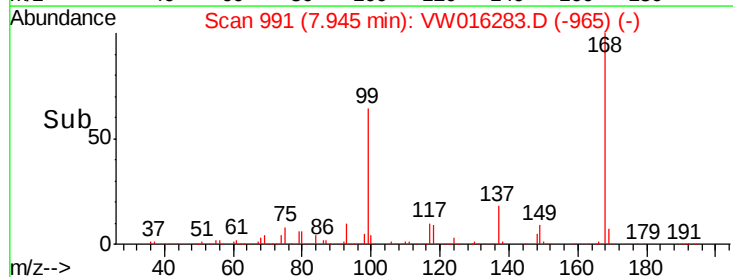
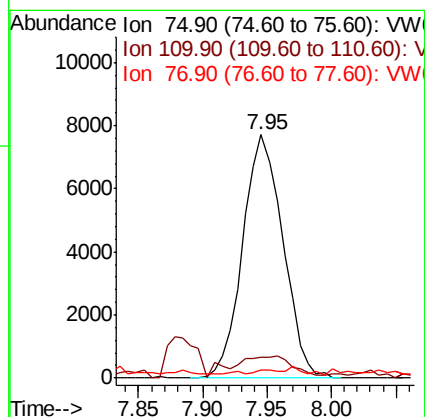
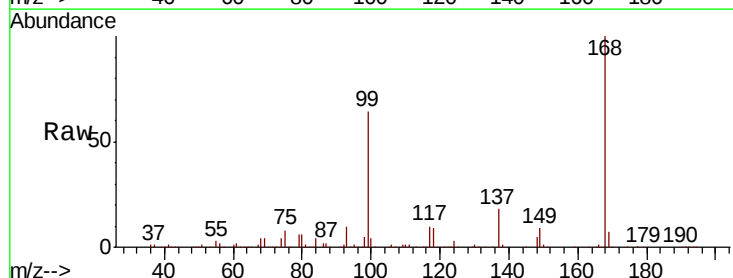
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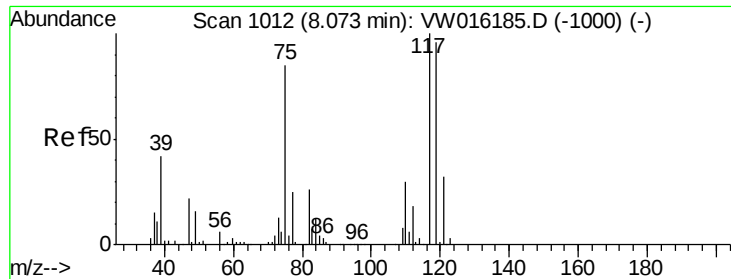
Tot Ion:113 Resp: 121023
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.5 125.3
 192 19.4 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.164 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW016283.D
 Acq: 21 Aug 2020 01:10

Tgt Ion: 75 Resp: 16690
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.1 54.3#
 77 0.7 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.853 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW016283.D

Acq: 21 Aug 2020 01:10

Instrument :

MSVOA_W

ClientSampled :

SU-02-081820

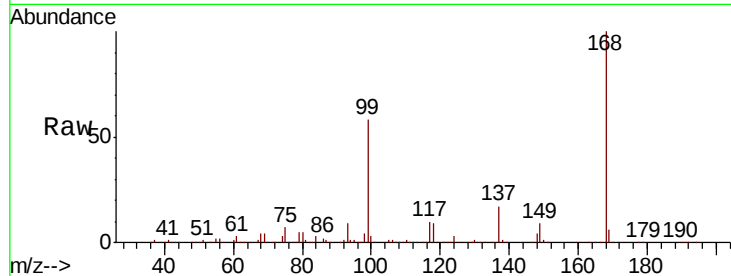
Tot Ion:117 Resp: 23409

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

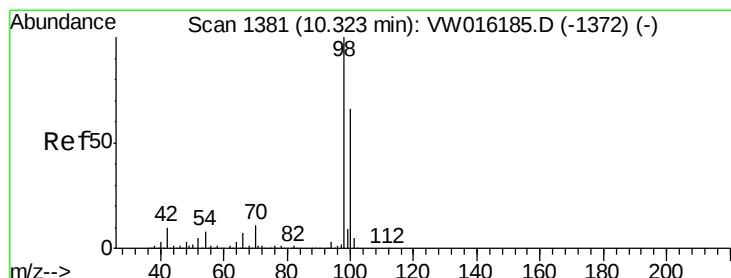
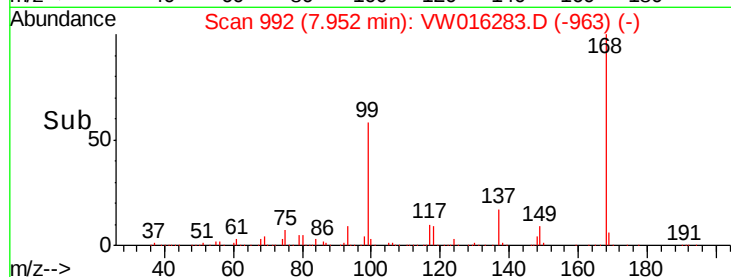
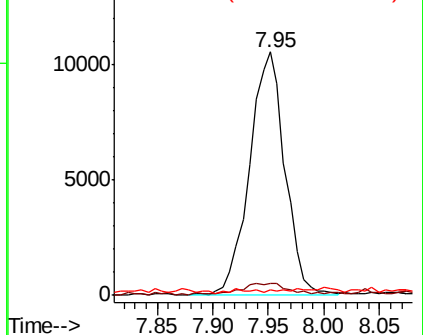
121 0.0 25.4 38.0#



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



#50

Toluene-d8

Concen: 53.107 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW016283.D

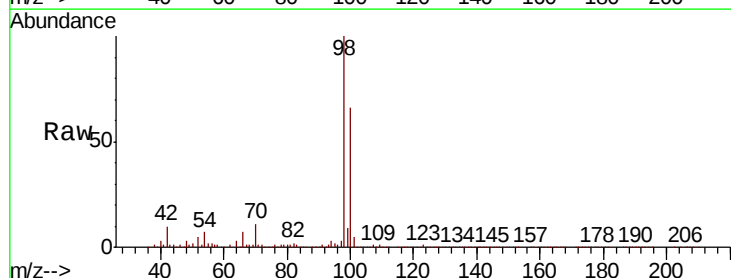
Acq: 21 Aug 2020 01:10

Tgt Ion: 98 Resp: 516034

Ion Ratio Lower Upper

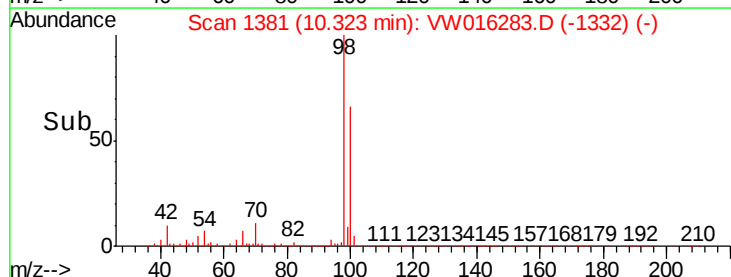
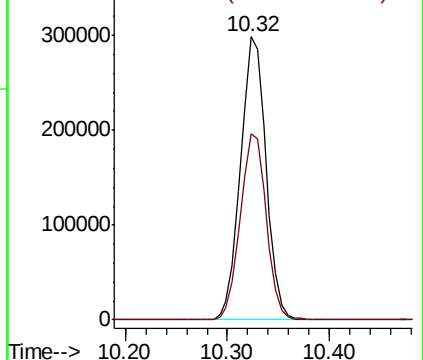
98 100

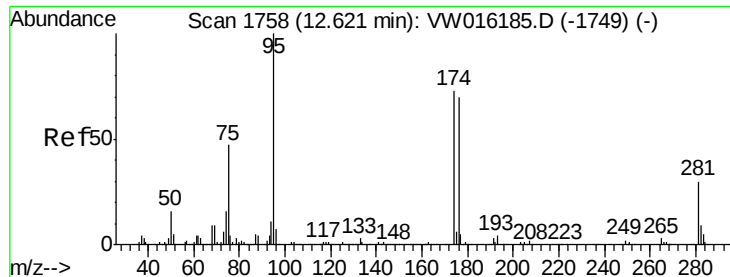
100 67.2 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

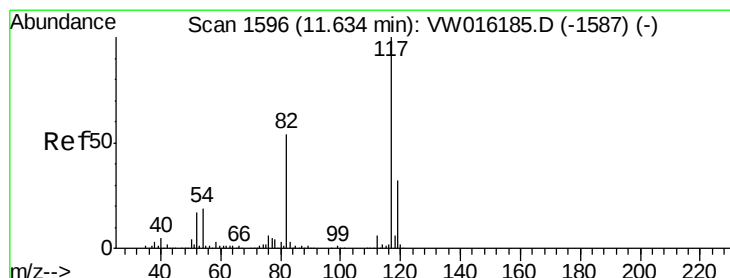
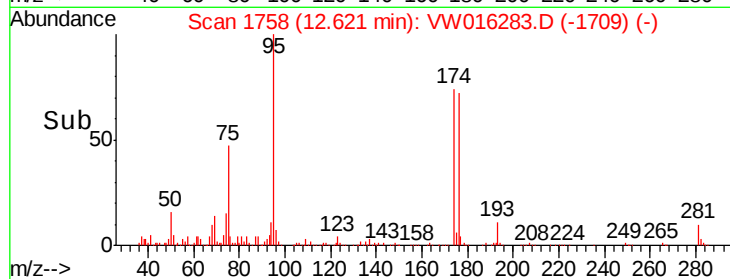
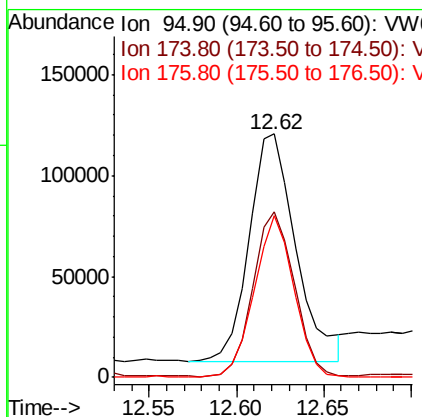
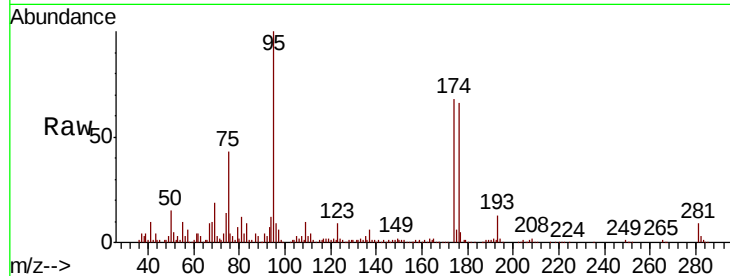




#62
4-Bromofluorobenzene
Concen: 59.909 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW016283.D
Acq: 21 Aug 2020 01:10

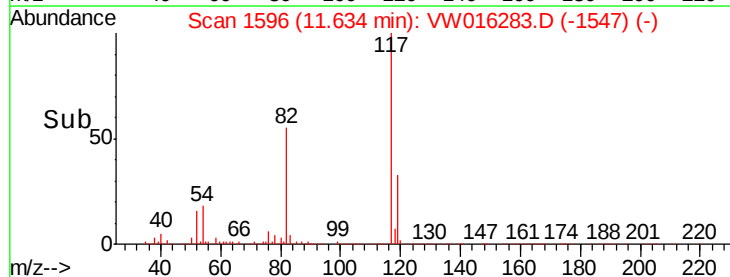
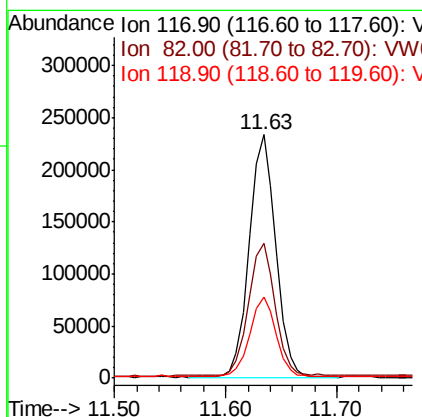
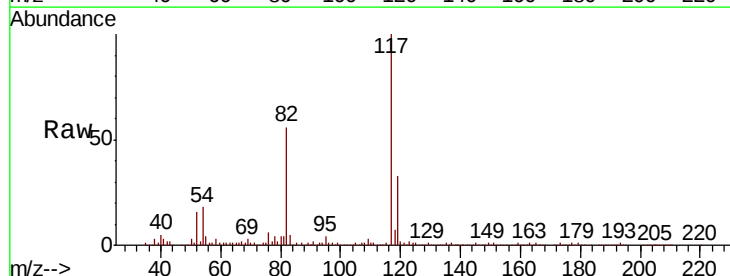
Instrument :
MSVOA_W
ClientSampleId :
SU-02-081820

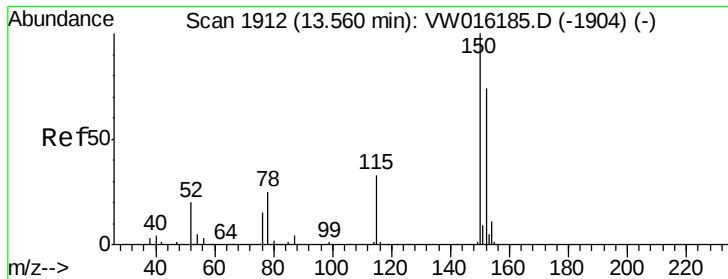
Tot Ion: 95 Resp: 208087
Ion Ratio Lower Upper
95 100
174 64.1 0.0 145.6
176 60.6 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016283.D
Acq: 21 Aug 2020 01:10

Tgt Ion: 117 Resp: 385006
Ion Ratio Lower Upper
117 100
82 54.7 43.6 65.4
119 32.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016283.D

Acq: 21 Aug 2020 01:10

Instrument :

MSVOA_W

ClientSampleId :

SU-02-081820

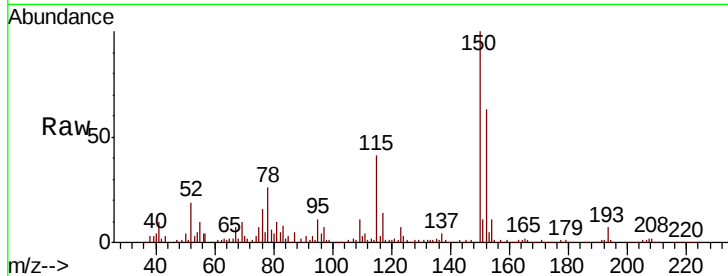
Tot Ion:152 Resp: 174740

Ion Ratio Lower Upper

152 100

115 57.8 30.9 92.5

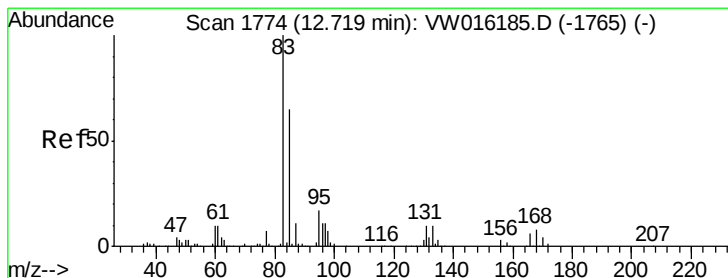
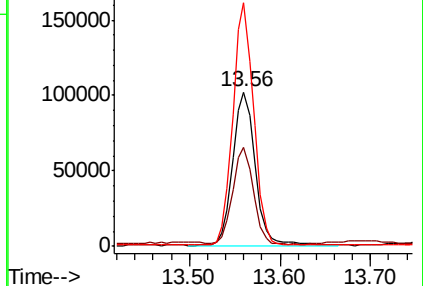
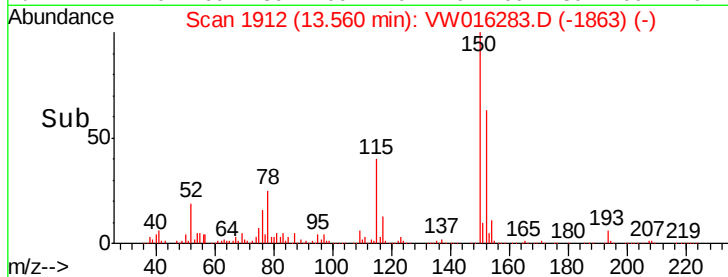
150 145.3 0.0 337.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 55.460 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW016283.D

Acq: 21 Aug 2020 01:10

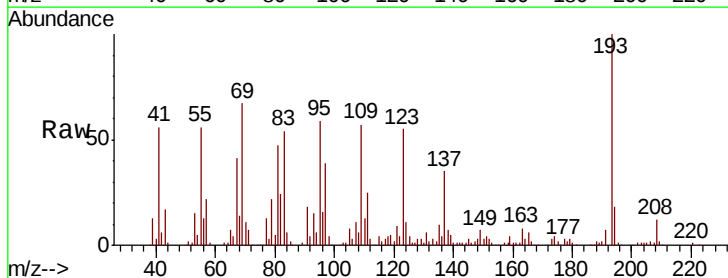
Tgt Ion: 83 Resp: 123572

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

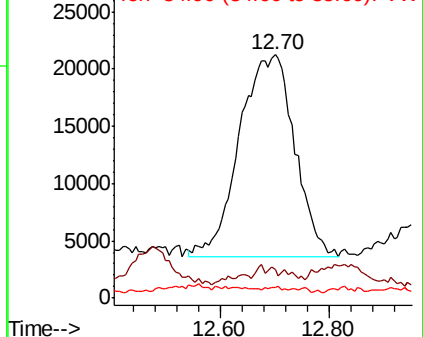
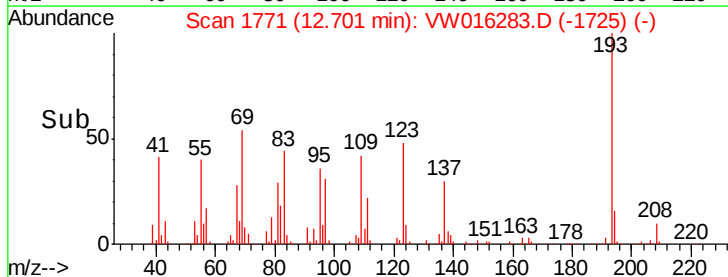
85 0.3 31.3 93.9#

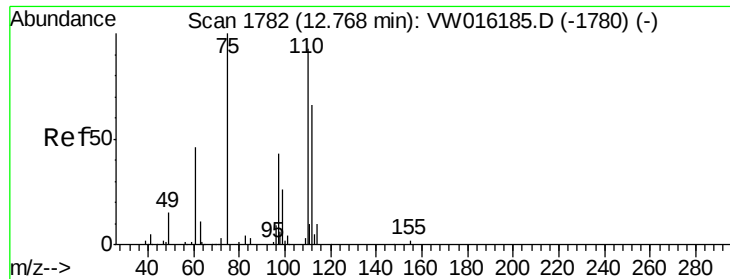


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

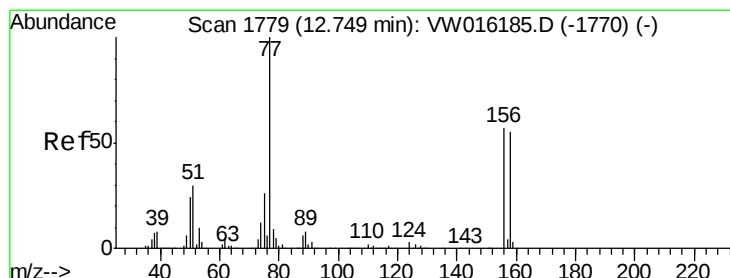
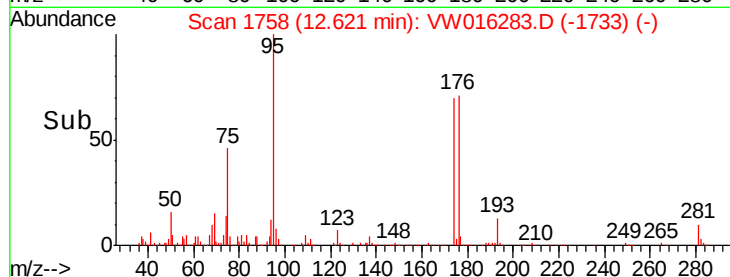
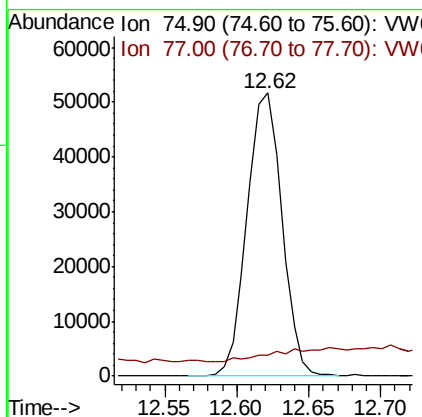
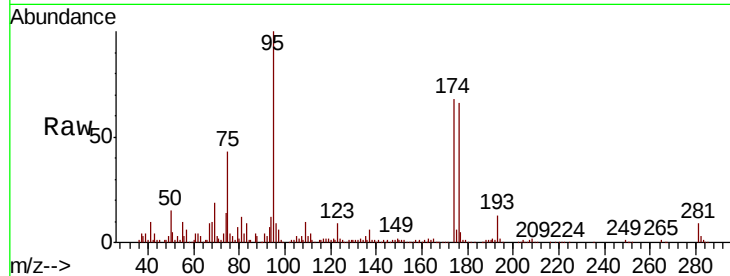




#76
 1,2,3-Trichloropropane
 Concen: 53.590 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW016283.D
 Acq: 21 Aug 2020 01:10

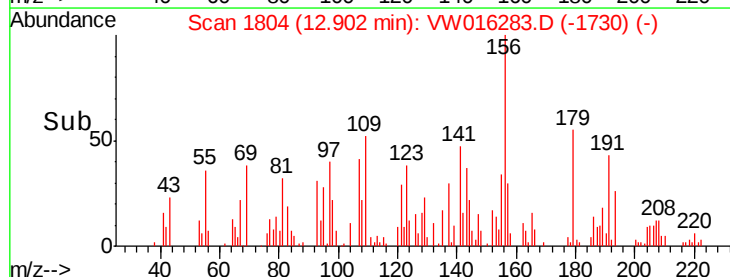
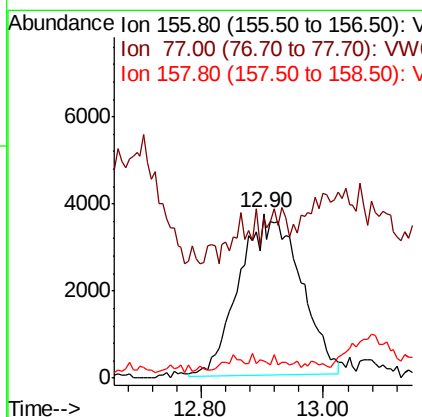
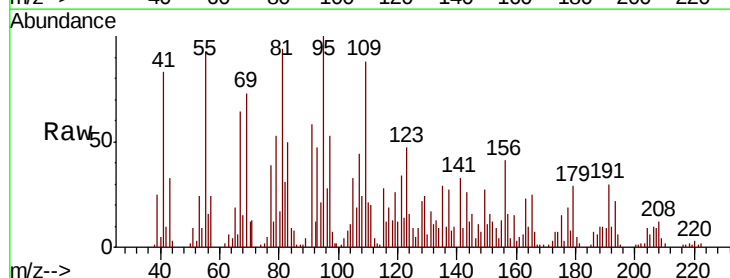
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-081820

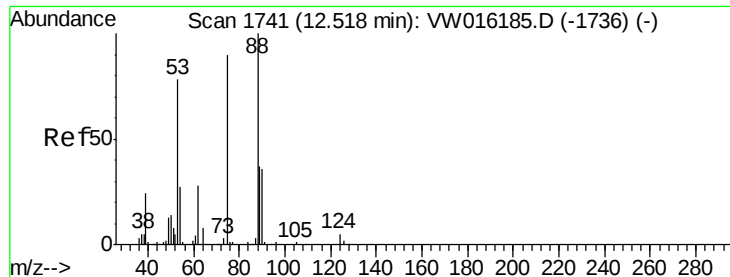
Tot Ion: 75 Resp: 86121
 Ion Ratio Lower Upper
 75 100
 77 0.0 173.6 520.6#



#77
 Bromobenzene
 Concen: 8.736 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. 0.15 min
 Lab File: VW016283.D
 Acq: 21 Aug 2020 01:10

Tgt Ion: 156 Resp: 25729
 Ion Ratio Lower Upper
 156 100
 77 0.0 97.9 293.6#
 158 1.0 49.0 147.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 128.543 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016283.D

Acq: 21 Aug 2020 01:10

Instrument :

MSVOA_W

ClientSampleId :

SU-02-081820

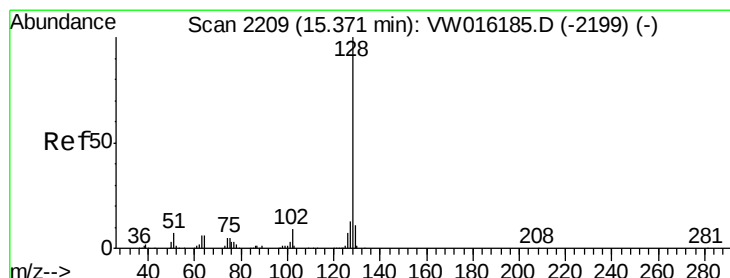
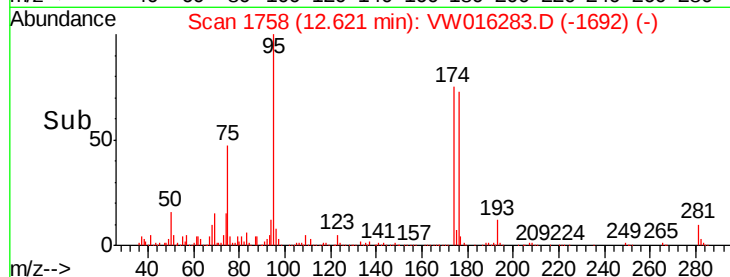
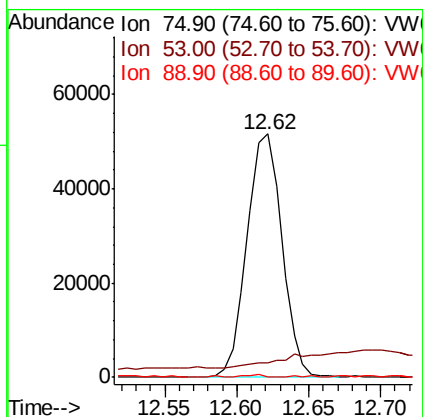
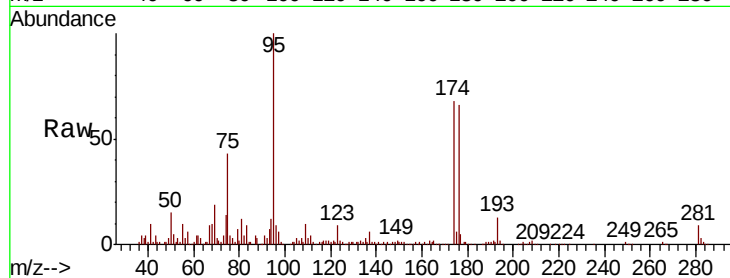
Tot Ion: 75 Resp: 86121

Ion Ratio Lower Upper

75 100

53 0.0 74.6 111.8#

89 0.3 37.2 55.8#



#95

Naphthalene

Concen: 3.933 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW016283.D

Acq: 21 Aug 2020 01:10

Tgt Ion: 128 Resp: 2461

Ion Ratio Lower Upper

128 100

127 11.3 10.2 15.4

129 21.4 8.7 13.1#

