

Data File : VW012733.D
Acq On : 07 Sep 2019 21:12
Operator : SY/VA
Sample : K4554-28
Misc : 5.51G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-6-(6-8)

Quant Time: Sep 08 05:15:04 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	214482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	114054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128588	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	7.88	113	101478	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.32	98	407452	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.62	95	125105	43.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.38%	

Target Compounds

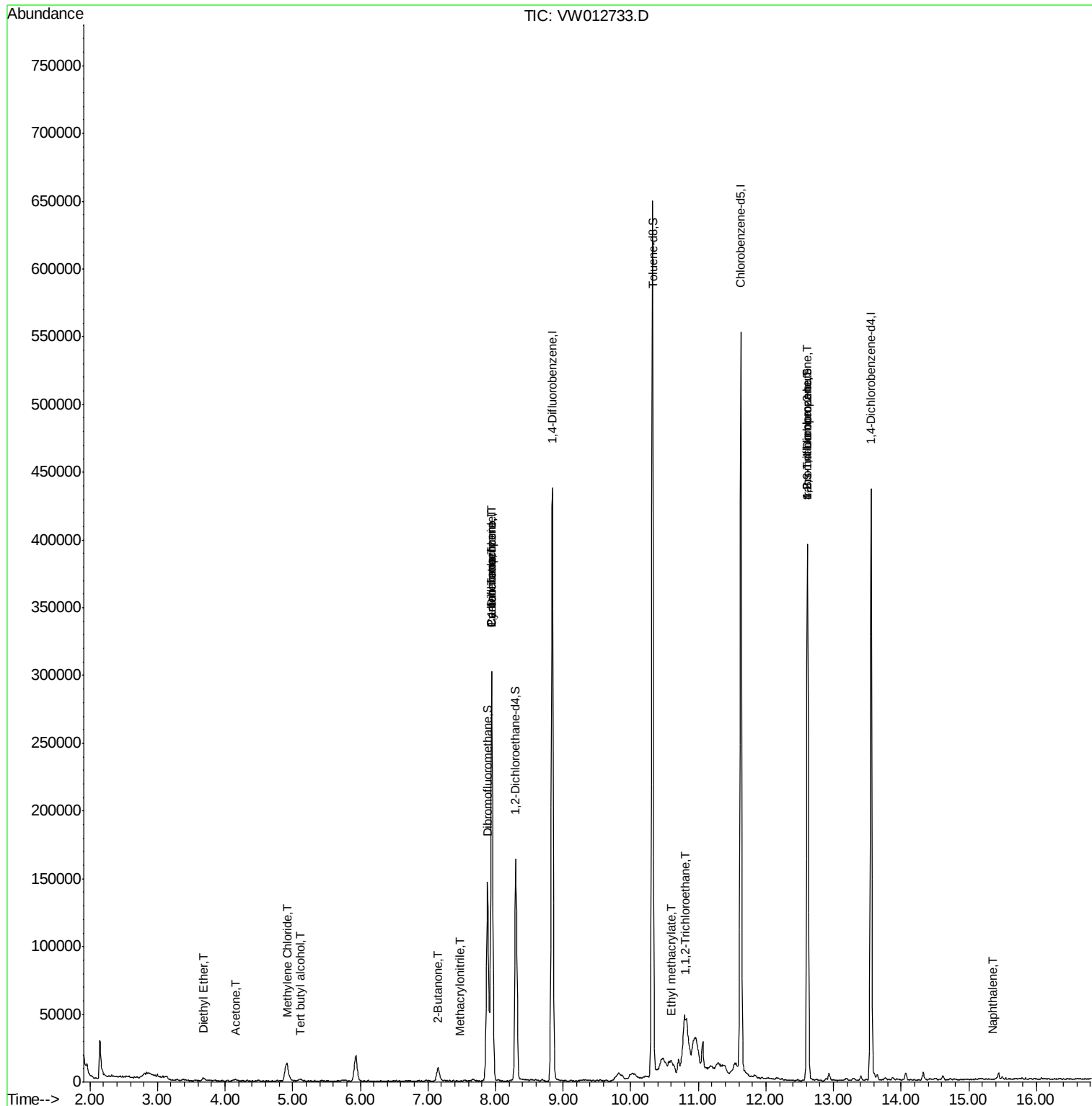
						Qvalue
8) Diethyl Ether	3.68	74	1064	1.059	ug/l	94
11) Tert butyl alcohol	5.11	59	1372	7.483	ug/l #	72
16) Acetone	4.16	43	1856	2.841	ug/l	100
20) Methylene Chloride	4.92	84	10634	5.203	ug/l	96
25) 2-Butanone	7.15	43	639	20.292	ug/l #	53
31) Cyclohexane	7.95	56	5369	1.524	ug/l #	9
36) 1,1-Dichloropropene	7.94	75	17978	5.906	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22287	7.427	ug/l #	17
41) Methacrylonitrile	7.47	41	23	3.855	ug/l #	27
55) 1,1,2-Trichloroethane	10.81	97	4206	2.533	ug/l #	15
56) Ethyl methacrylate	10.60	69	8342	3.432	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	66946	57.403	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66946	121.411	ug/l #	7
95) Naphthalene	15.36	128	294	4.495	ug/l #	69

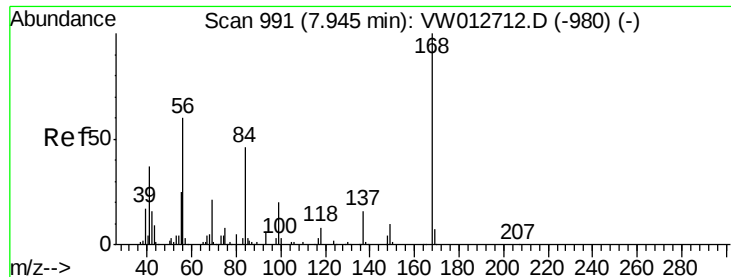
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012733.D

Acq: 07 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampled :

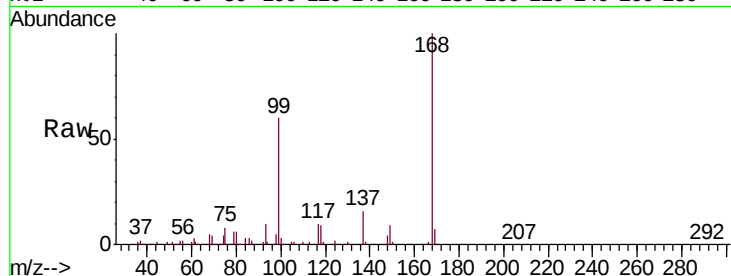
SB-6-(6-8)

Tgt Ion:168 Resp: 214482

Ion Ratio Lower Upper

168 100

99 60.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

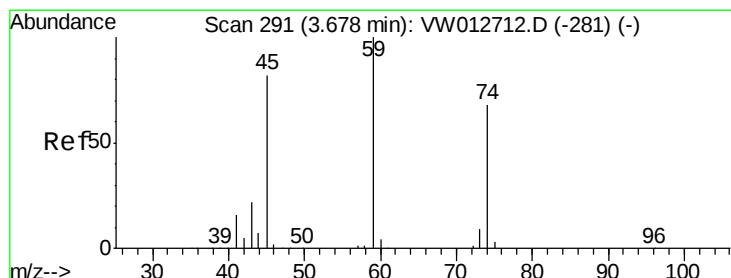
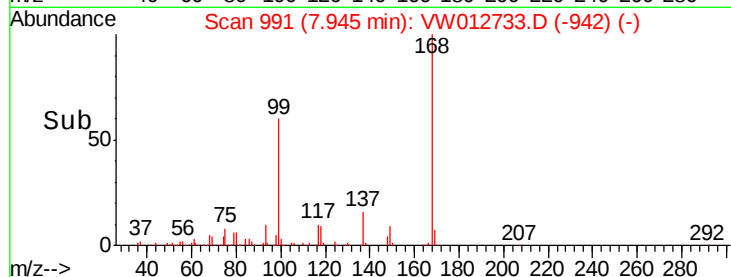
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.059 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012733.D

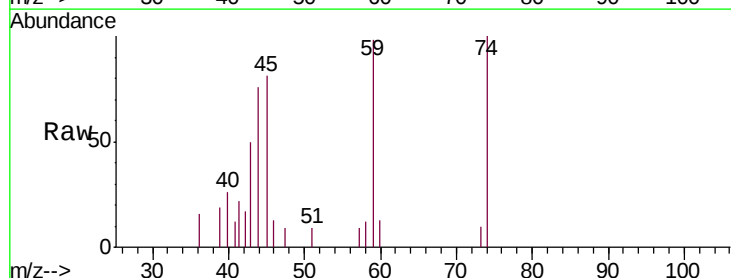
Acq: 07 Sep 2019 21:12

Tgt Ion: 74 Resp: 1064

Ion Ratio Lower Upper

74 100

45 110.8 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

500

400

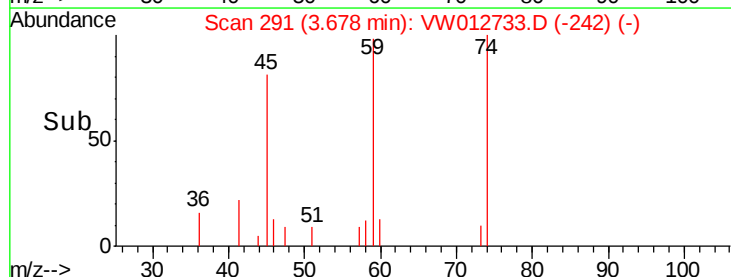
300

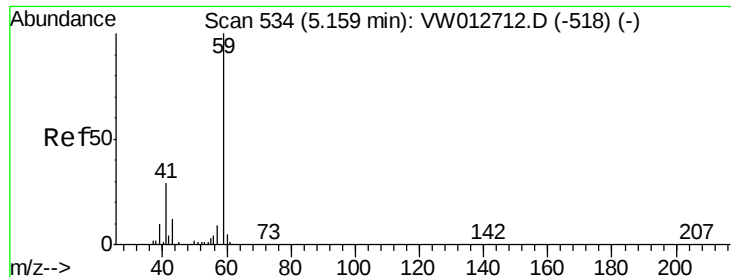
200

100

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 7.483 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW012733.D

Acq: 07 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampled :

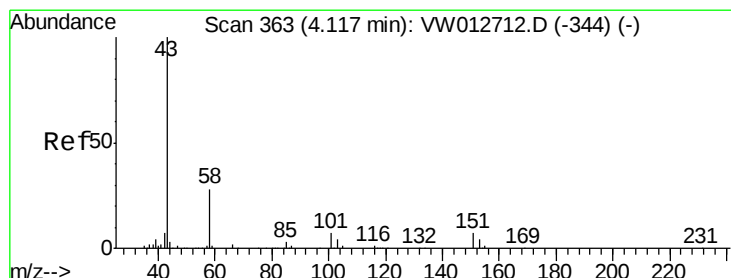
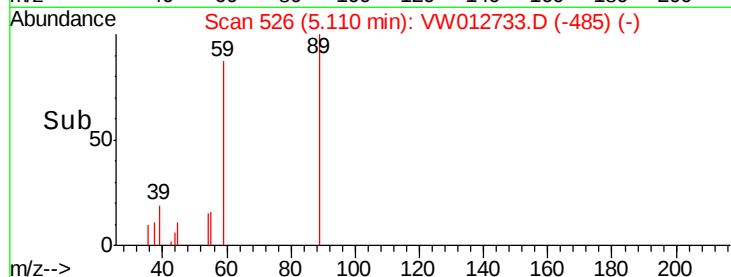
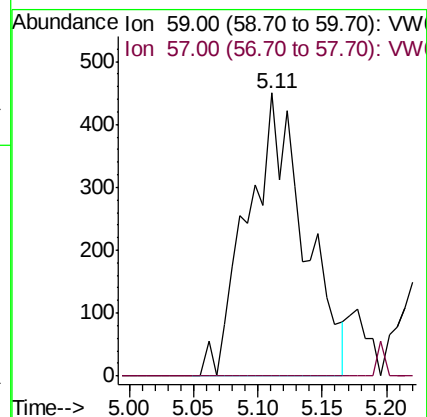
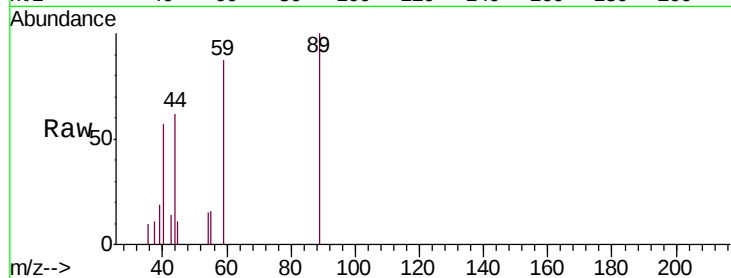
SB-6-(6-8)

Tgt Ion: 59 Resp: 1372

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 2.841 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012733.D

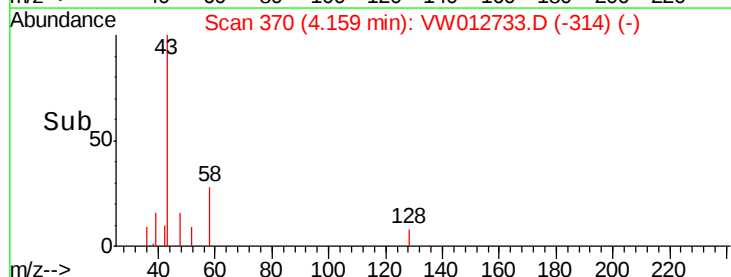
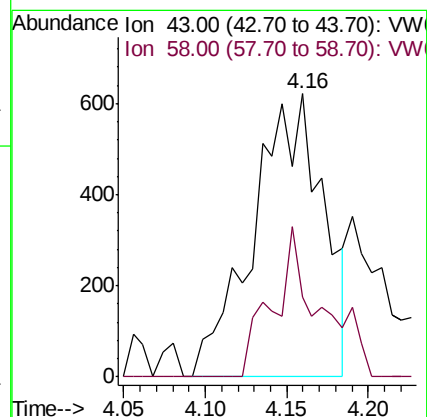
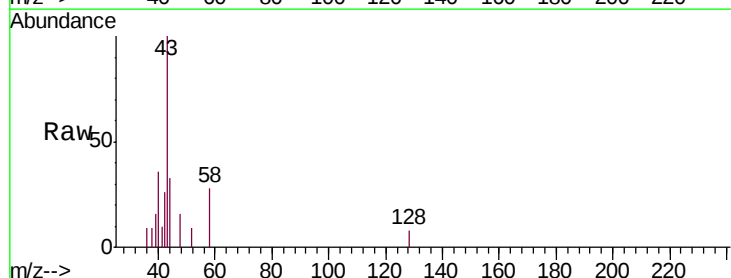
Acq: 07 Sep 2019 21:12

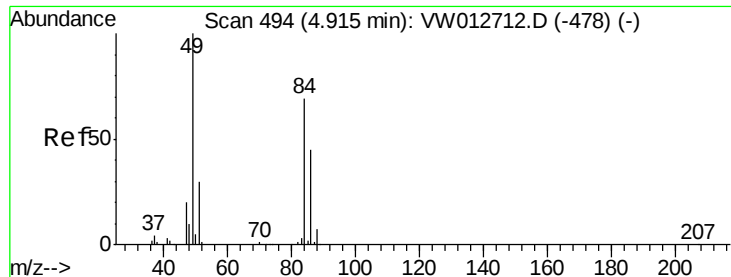
Tgt Ion: 43 Resp: 1856

Ion Ratio Lower Upper

43 100

58 28.1 22.6 33.8





#20

Methylene Chloride

Concen: 5.203 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW012733.D

Acq: 07 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampleId :

SB-6-(6-8)

Tgt Ion: 84 Resp: 10634

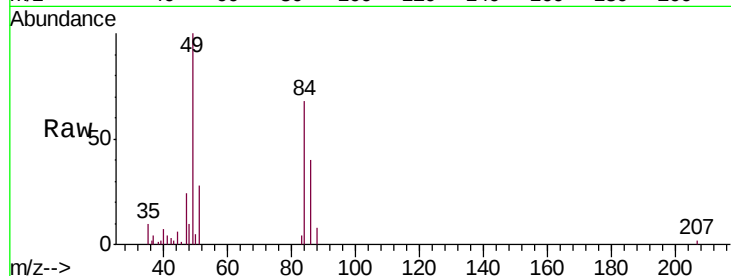
Ion Ratio Lower Upper

84 100

49 147.5 115.4 173.0

51 40.7 34.9 52.3

86 59.7 52.2 78.4

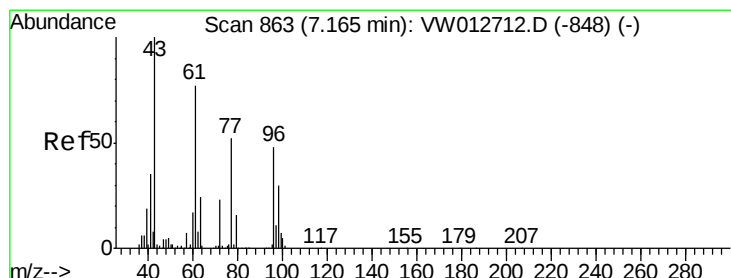
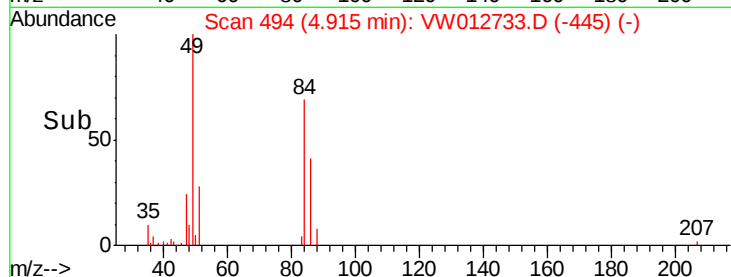
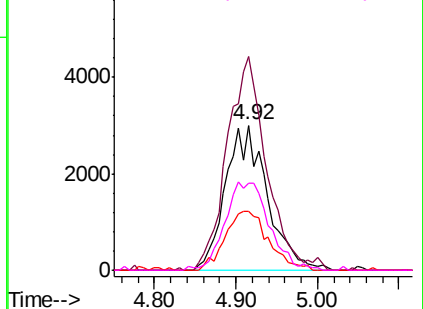


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 20.292 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012733.D

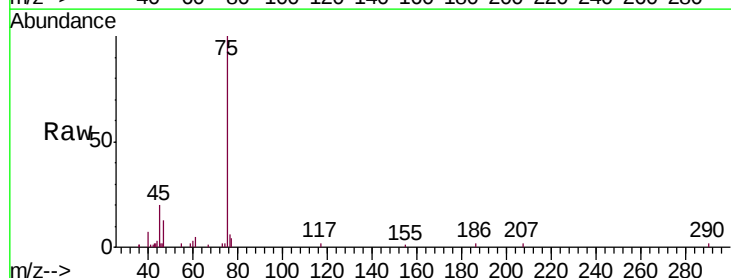
Acq: 07 Sep 2019 21:12

Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

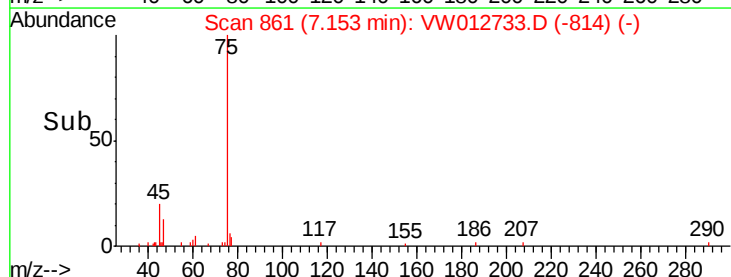
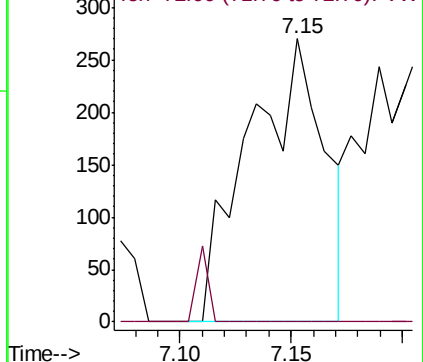
43 100

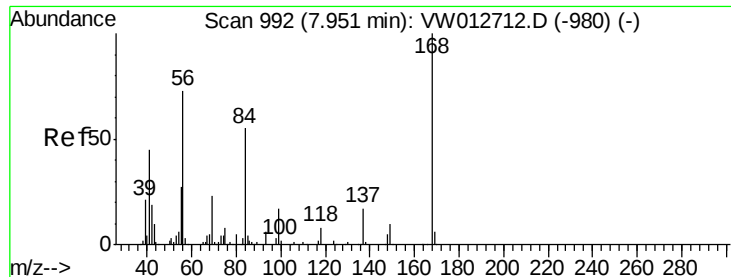
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

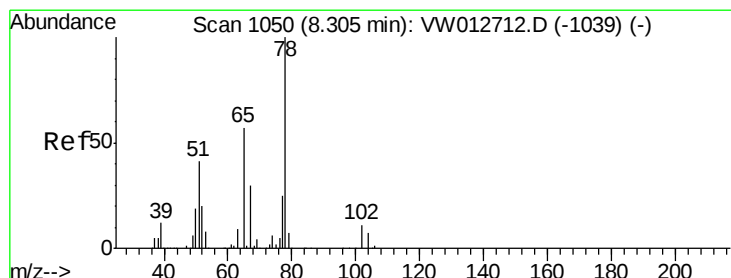
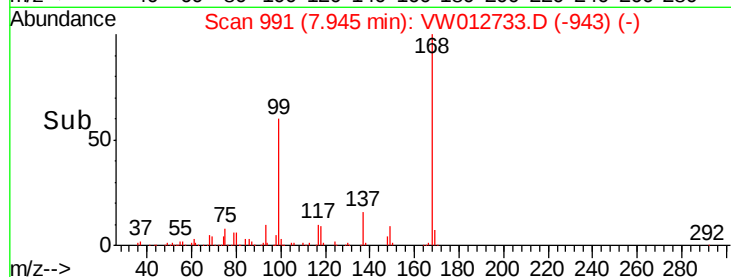
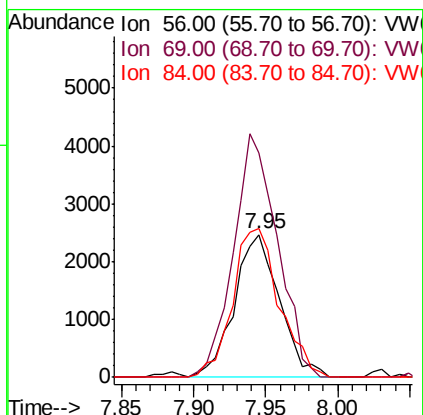
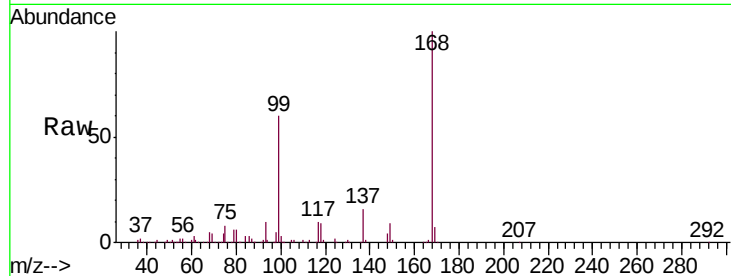




#31
Cyclohexane
Concen: 1.524 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012733.D
Acq: 07 Sep 2019 21:12

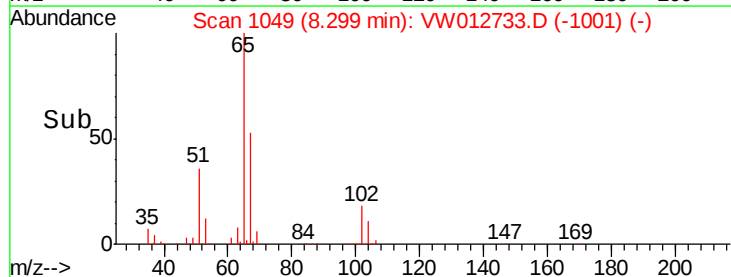
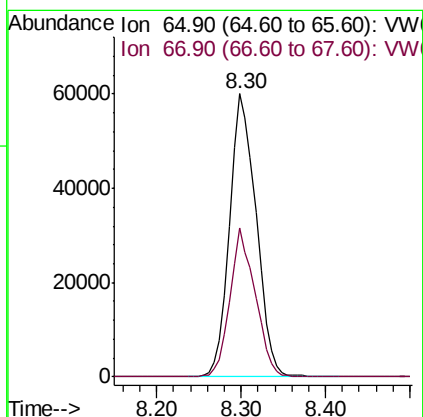
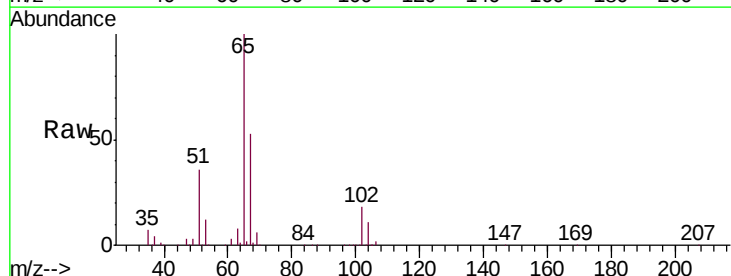
Instrument :
MSVOA_W
ClientSampled :
SB-6-(6-8)

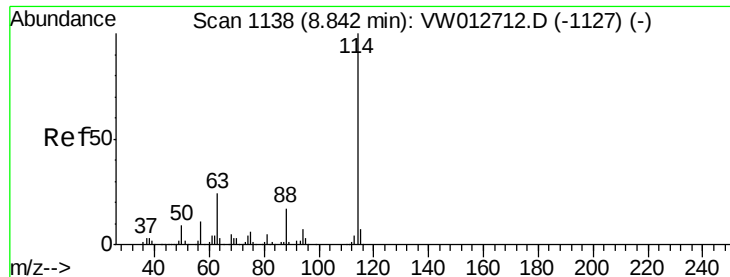
Tgt Ion: 56 Resp: 5369
Ion Ratio Lower Upper
56 100
69 157.1 25.7 38.5#
84 104.9 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 53.657 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012733.D
Acq: 07 Sep 2019 21:12

Tgt Ion: 65 Resp: 128588
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.8

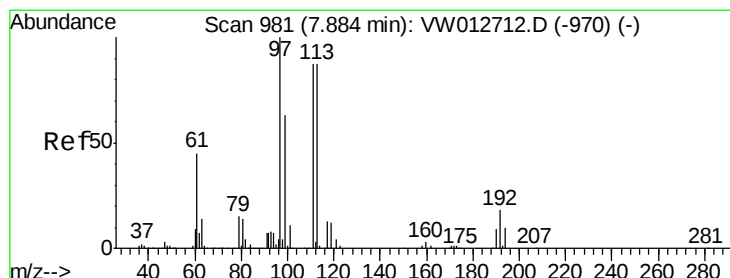
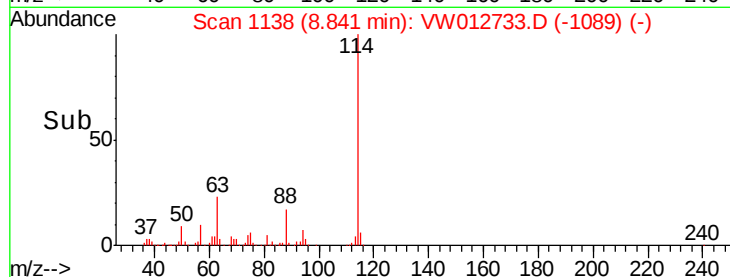
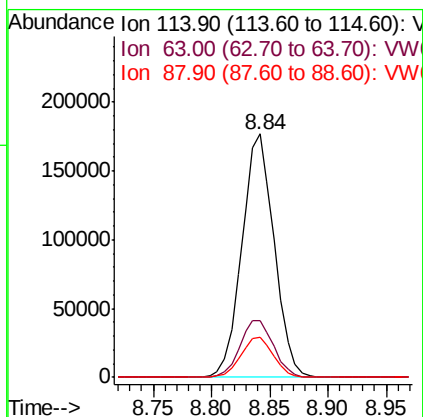
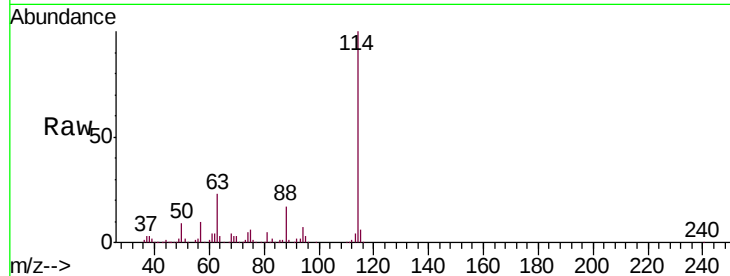




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012733.D
 Acq: 07 Sep 2019 21:12

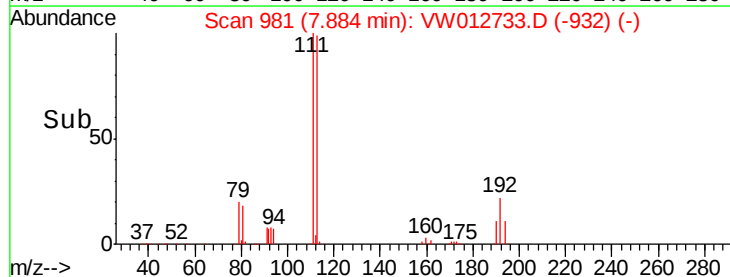
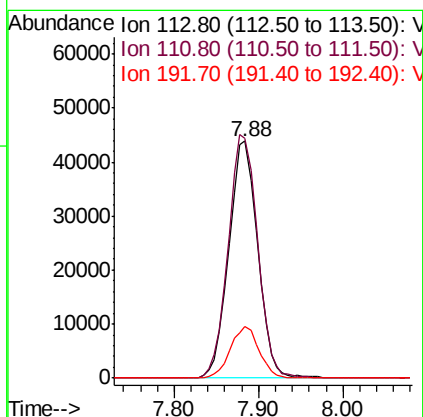
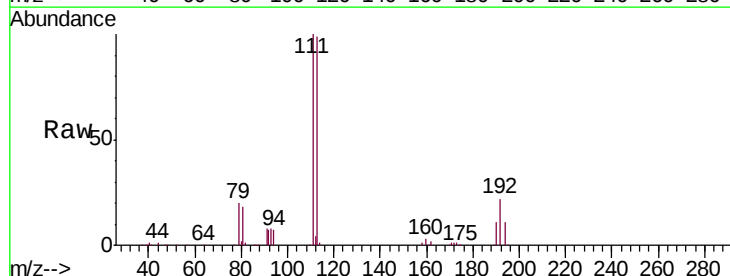
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-6-(6-8)

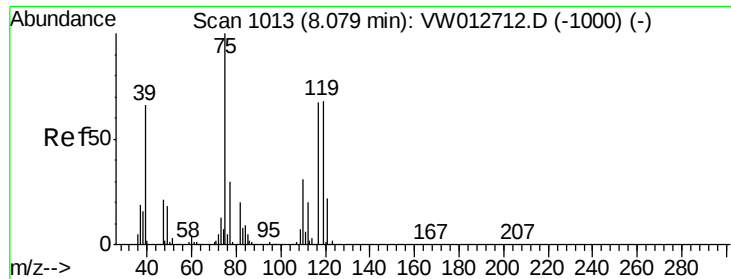
Tgt Ion:114 Resp: 342592
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.6 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 49.822 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012733.D
 Acq: 07 Sep 2019 21:12

Tgt Ion:113 Resp: 101478
 Ion Ratio Lower Upper
 113 100
 111 105.1 80.2 120.4
 192 21.6 17.3 25.9

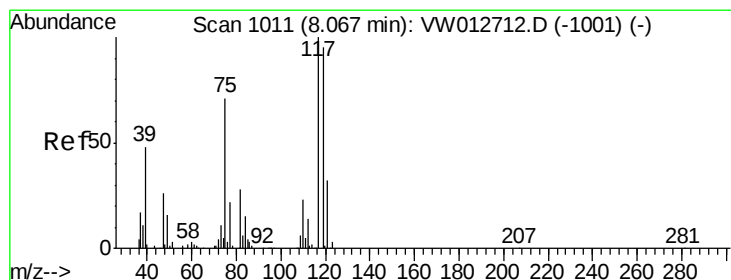
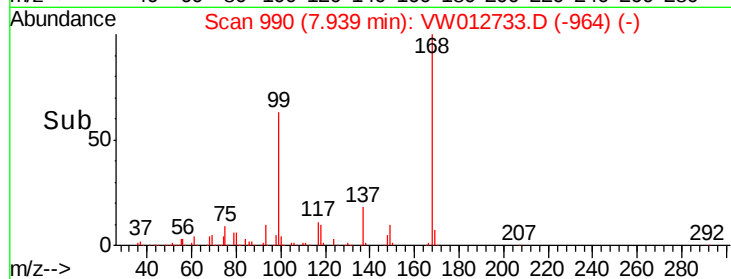
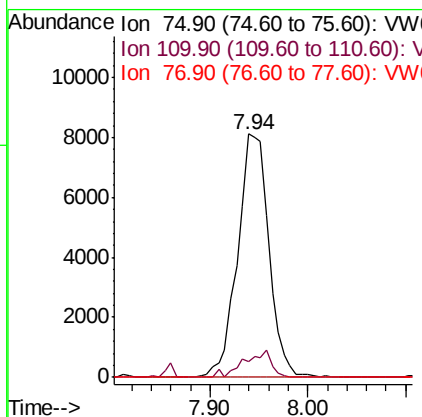
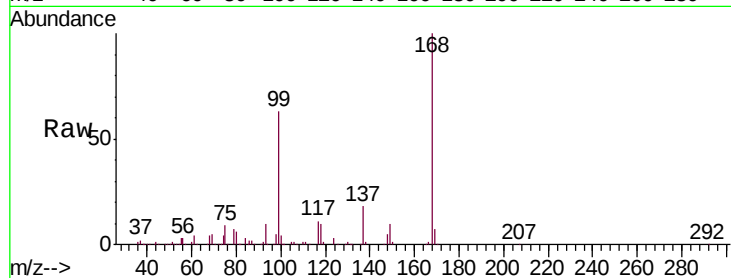




#36
 1,1-Dichloropropene
 Concen: 5.906 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012733.D
 Acq: 07 Sep 2019 21:12

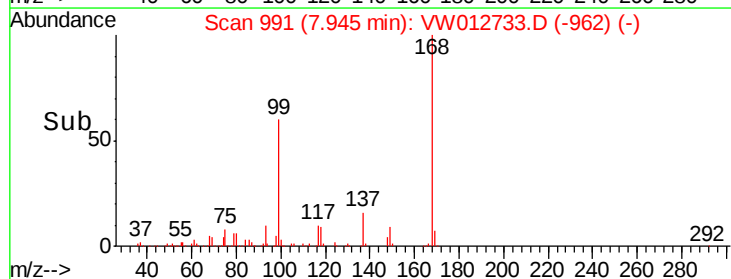
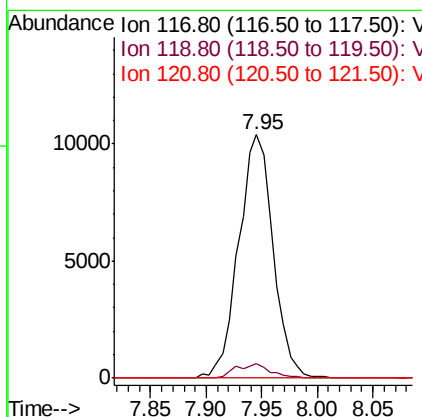
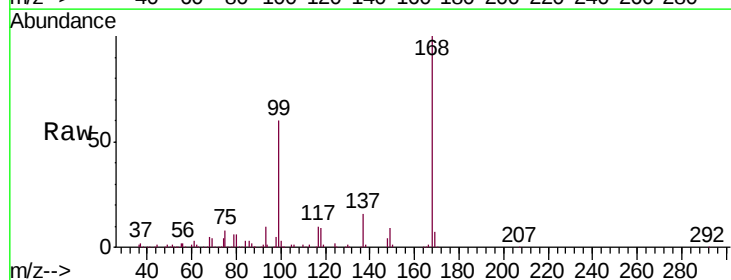
Instrument :
 MSVOA_W
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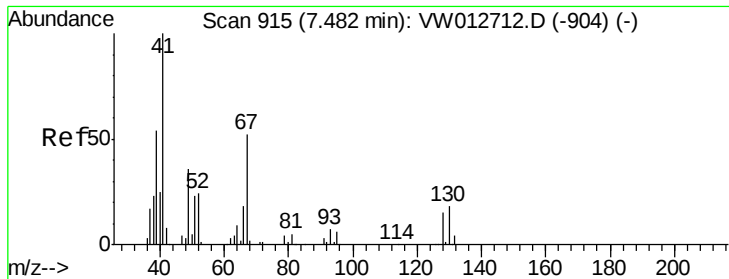
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.427 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012733.D
 Acq: 07 Sep 2019 21:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	25.4	38.2#

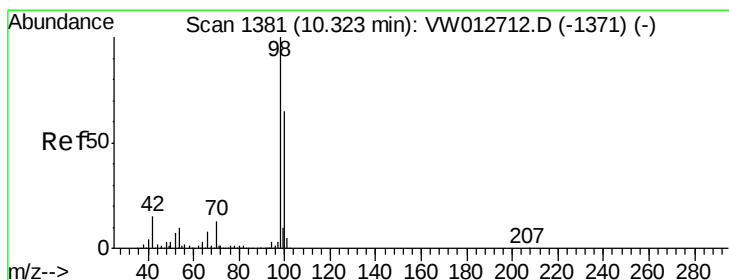
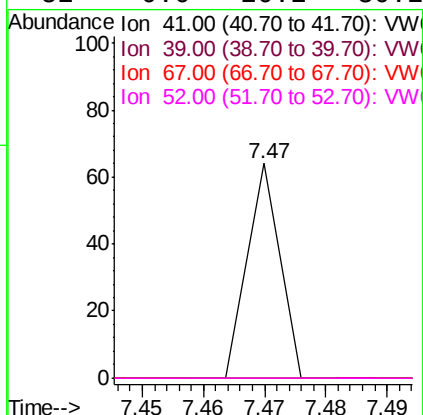
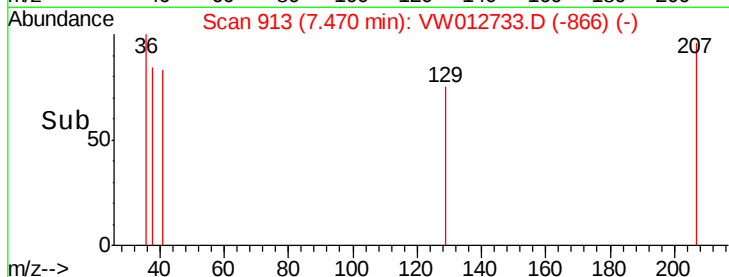
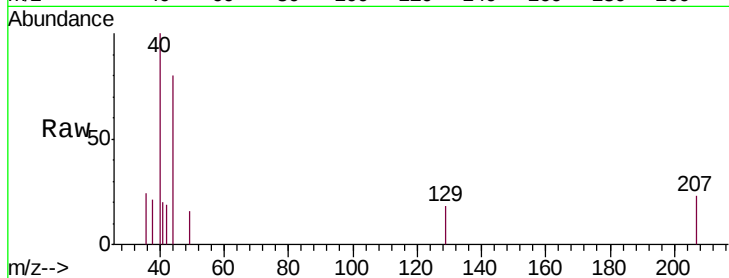




#41
Methacrylonitrile
Concen: 3.855 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW012733.D
Acq: 07 Sep 2019 21:12

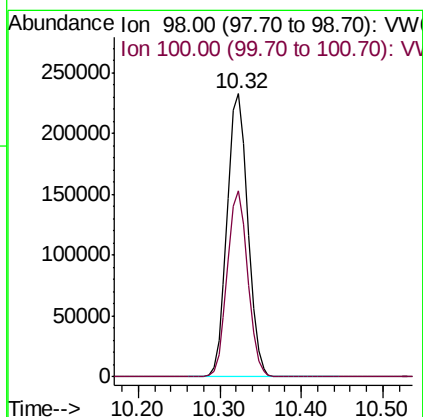
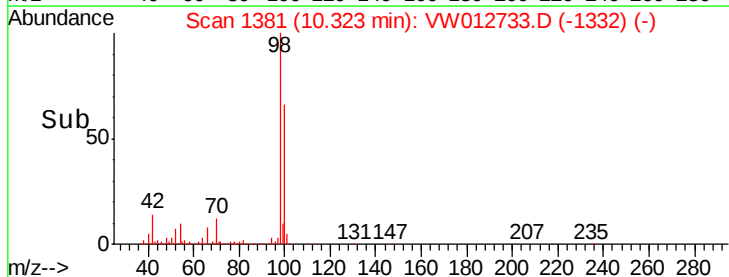
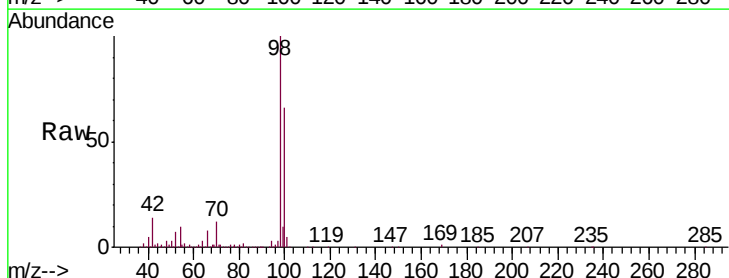
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MSVOA_W
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SB-6-(6-8)

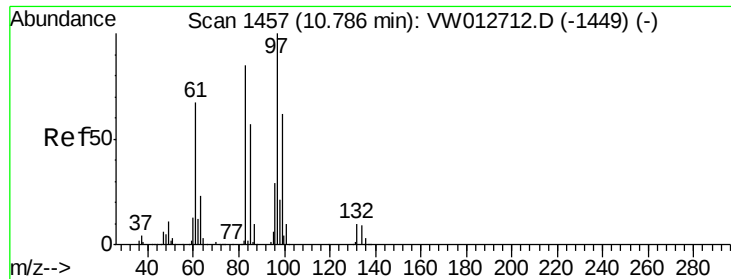
Tgt Ion:	41	Resp:	23
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 51.061 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012733.D
Acq: 07 Sep 2019 21:12

Tgt Ion:	98	Resp:	407452
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.4





#55

1,1,2-Trichloroethane

Concen: 2.533 ug/l

RT: 10.81 min Scan# 1461

Delta R.T. 0.02 min

Lab File: VW012733.D

Acq: 07 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampleId :

SB-6-(6-8)

Tgt Ion: 97 Resp: 4206

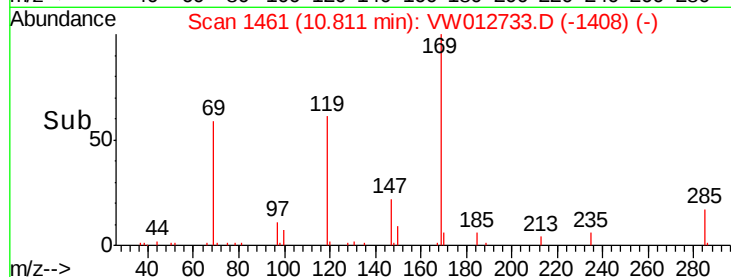
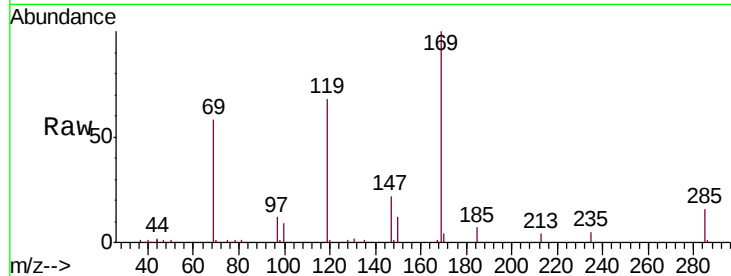
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 0.0 50.0 75.0#

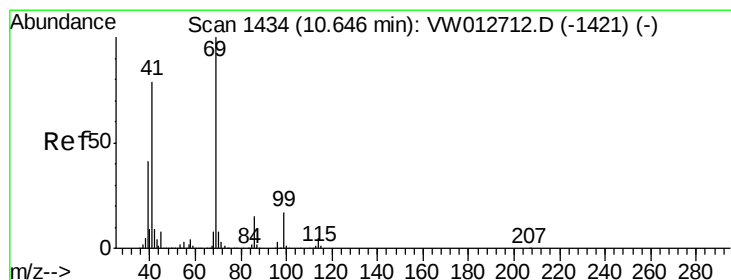
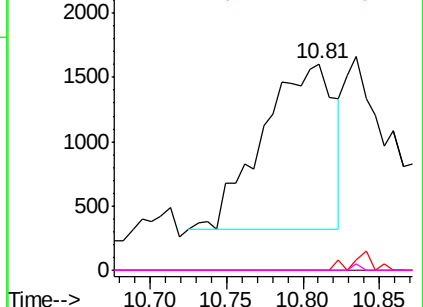


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 3.432 ug/l

RT: 10.60 min Scan# 1426

Delta R.T. -0.05 min

Lab File: VW012733.D

Acq: 07 Sep 2019 21:12

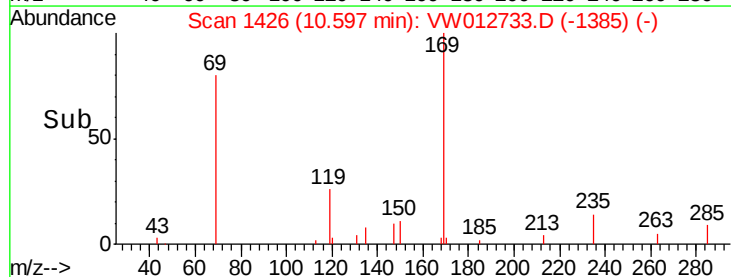
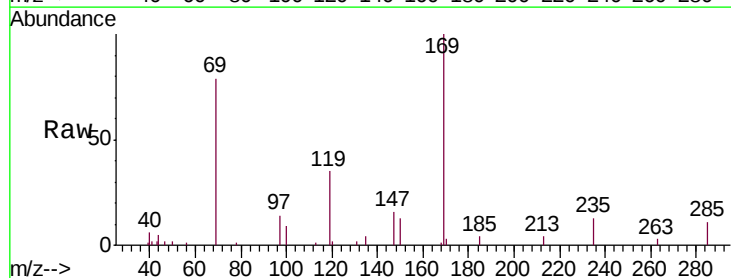
Tgt Ion: 69 Resp: 8342

Ion Ratio Lower Upper

69 100

41 3.0 64.4 96.6#

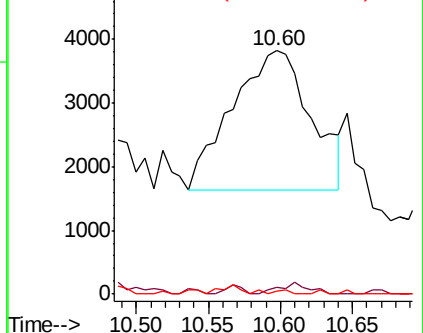
39 0.5 31.1 46.7#

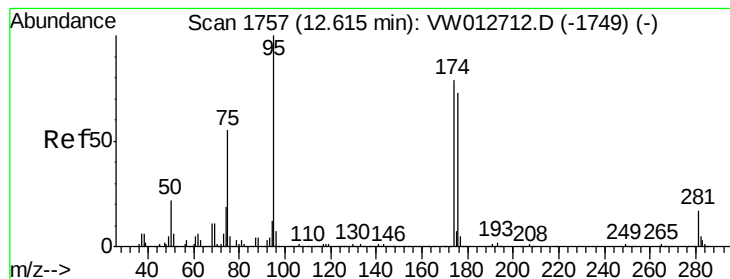


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#62

4-Bromofluorobenzene

Concen: 43.186 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012733.D

Acq: 07 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampleId :

SB-6-(6-8)

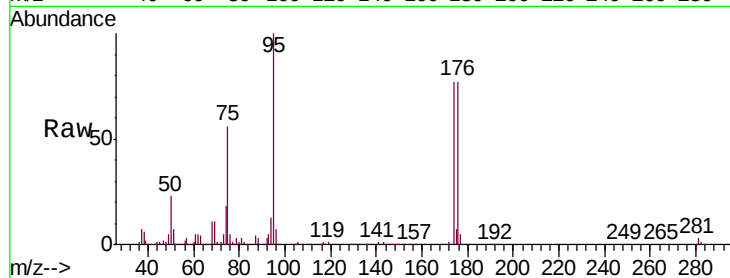
Tgt Ion: 95 Resp: 125105

Ion Ratio Lower Upper

95 100

174 80.6 0.0 161.0

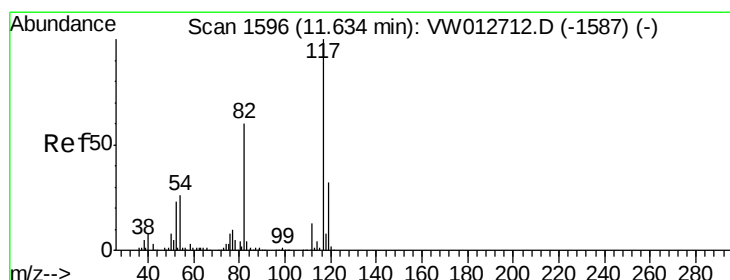
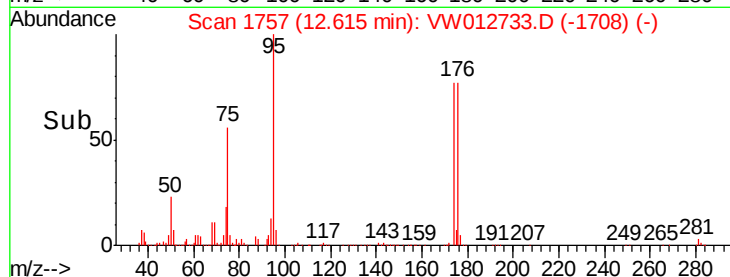
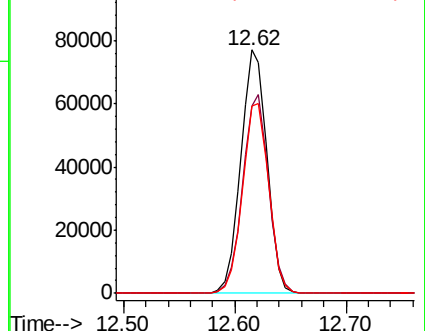
176 78.5 0.0 156.4



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: VW012733.D

Acq: 07 Sep 2019 21:12

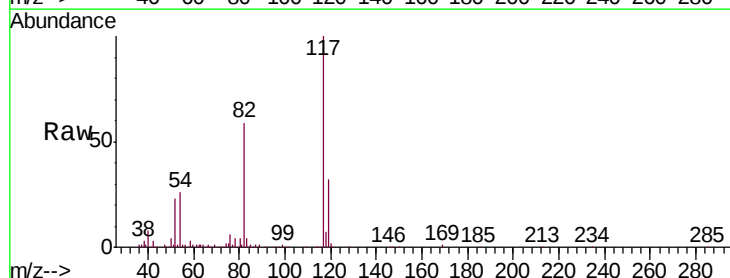
Tgt Ion: 117 Resp: 280933

Ion Ratio Lower Upper

117 100

82 59.4 48.2 72.4

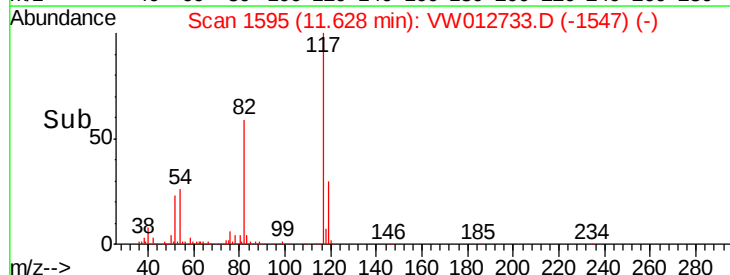
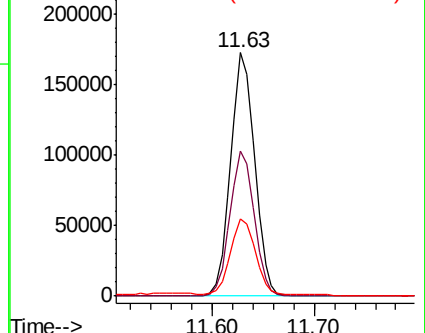
119 31.2 25.8 38.6

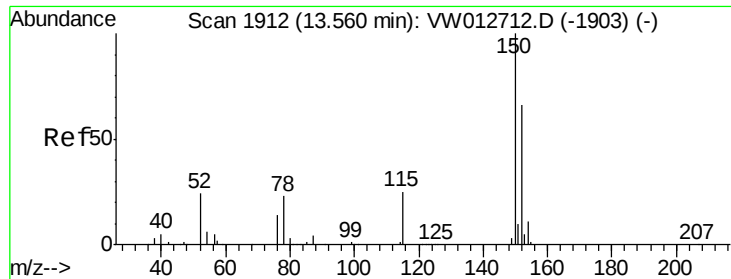


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



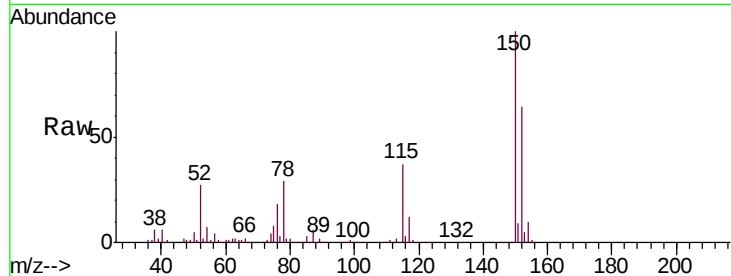


#72

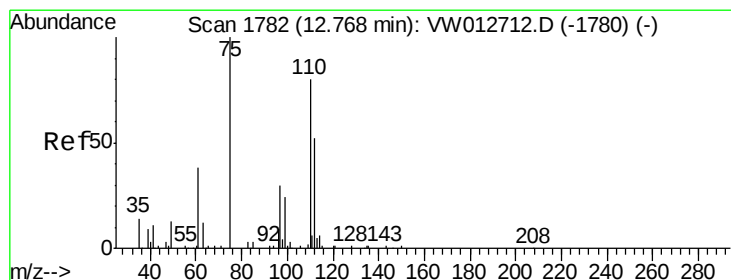
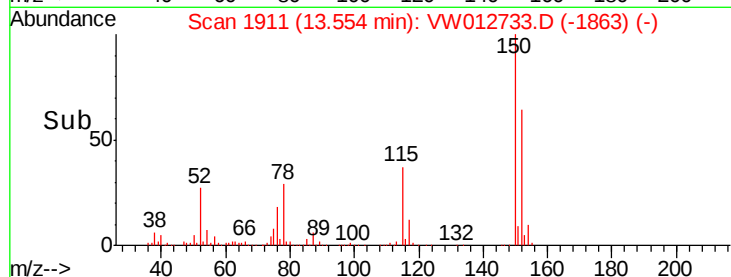
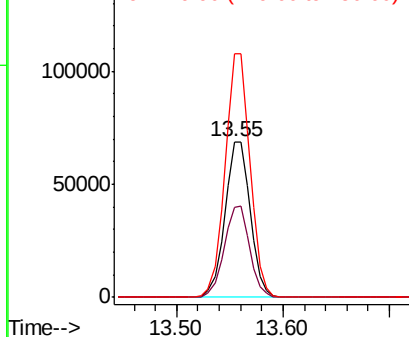
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012733.D
Acq: 07 Sep 2019 21:12

Instrument :
MSVOA_W
ClientSampleId :
SB-6-(6-8)

Tgt Ion:152 Resp: 114054
Ion Ratio Lower Upper
152 100
115 58.9 30.0 90.1
150 154.7 0.0 349.0



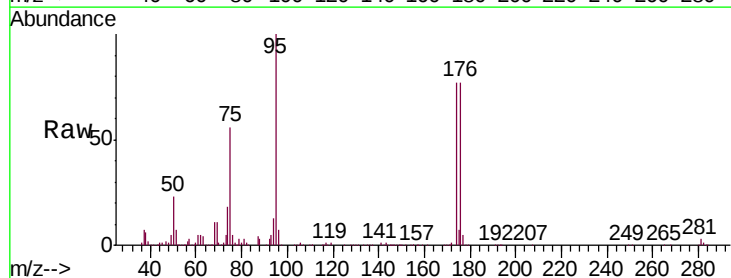
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



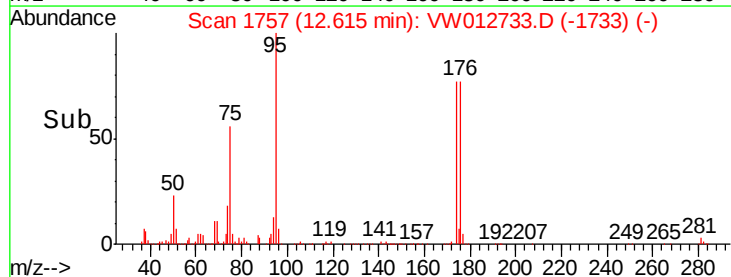
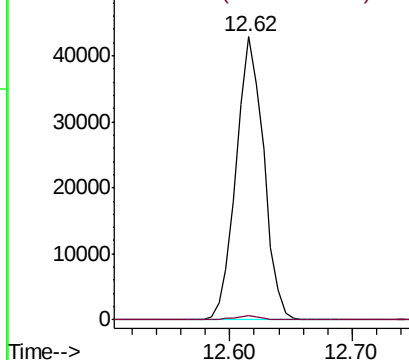
#76

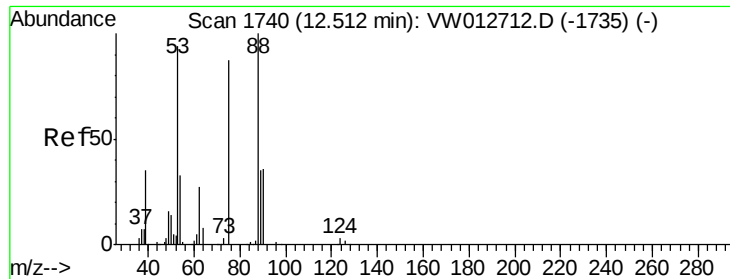
1,2,3-Trichloropropane
Concen: 57.403 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012733.D
Acq: 07 Sep 2019 21:12

Tgt Ion: 75 Resp: 66946
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

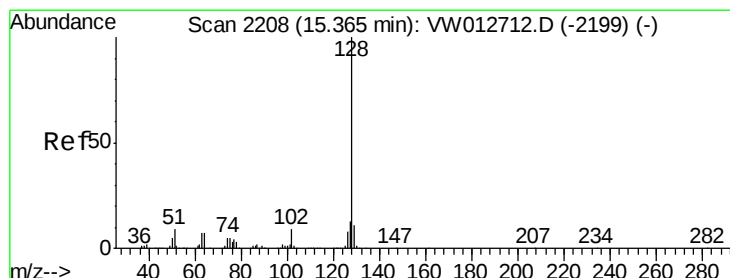
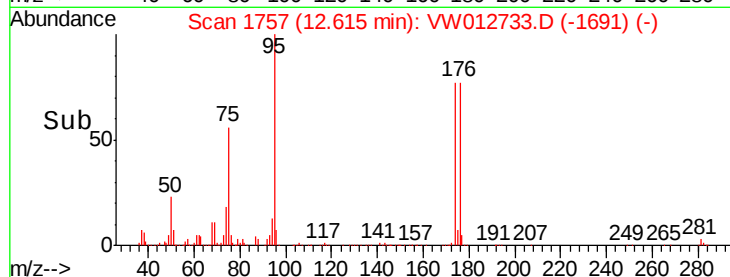
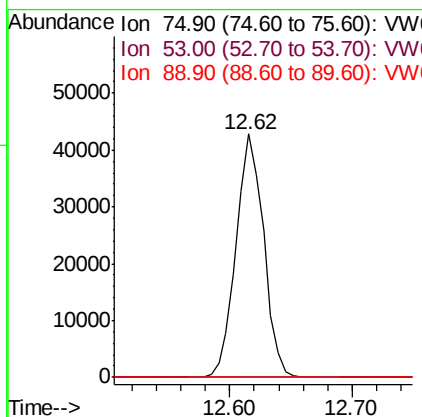
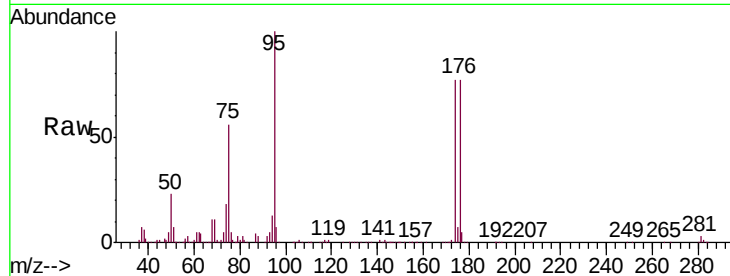




#81
trans-1,4-Dichloro-2-butene
Concen: 121.411 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012733.D
Acq: 07 Sep 2019 21:12

Instrument :
MSVOA_W
ClientSampleId :
SB-6-(6-8)

Tgt Ion: 75 Resp: 66946
Ion Ratio Lower Upper
75 100
53 0.5 87.6 131.4#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 4.495 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012733.D
Acq: 07 Sep 2019 21:12

Tgt Ion: 128 Resp: 294
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

