

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY061020\
 Data File : VY002876.D
 Acq On : 10 Jun 2020 12:07
 Operator : SY/MD
 Sample : L2810-01
 Misc : 7.10G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-060920

Quant Time: Jun 11 02:03:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	239940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	389217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	357919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166103	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	120491	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
35) Dibromofluoromethane	7.72	113	119034	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.18	98	456067	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.48	95	145752	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

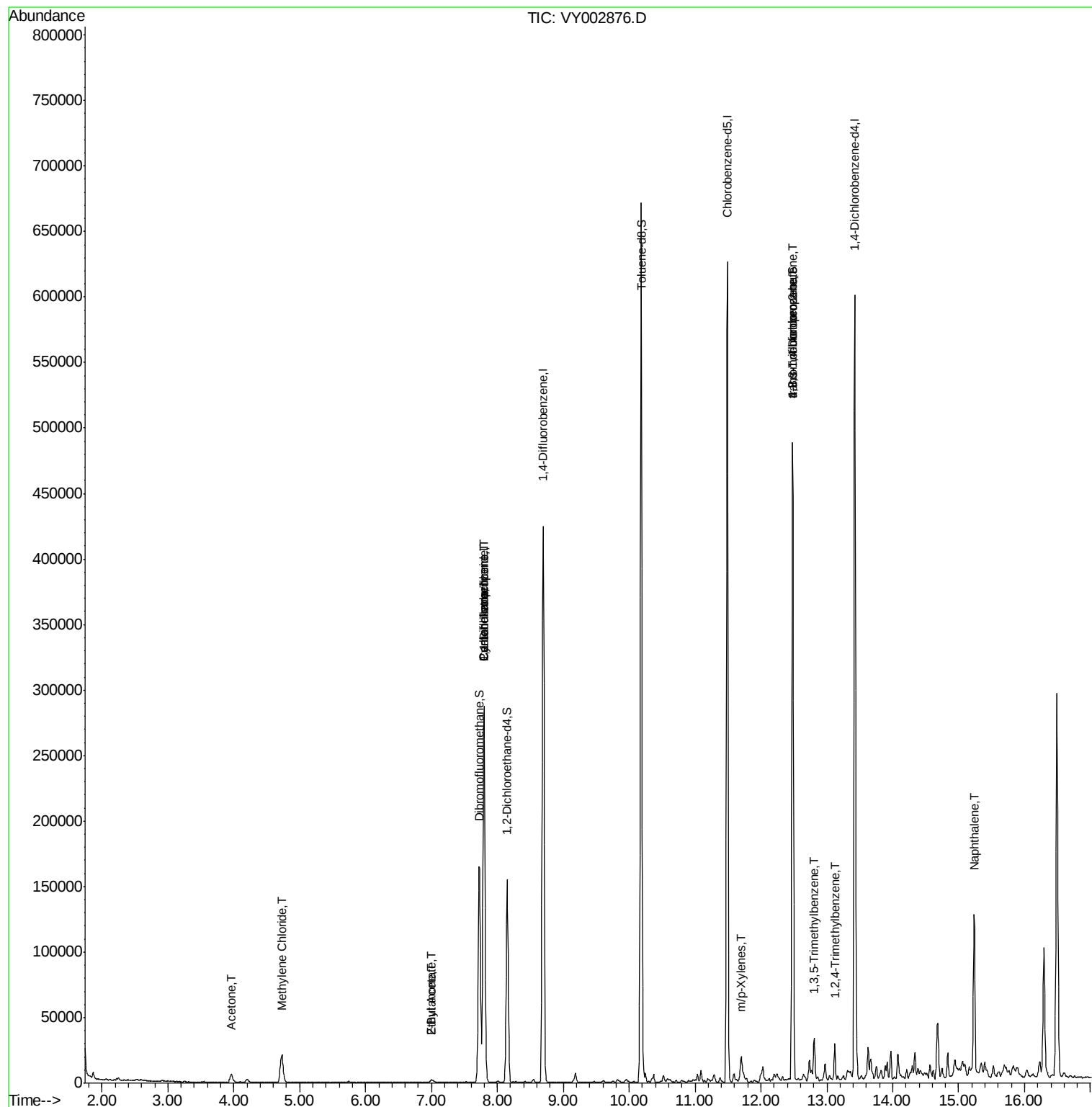
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	128	Below Cal	#	74
16) Acetone	3.96	43	11062	22.64	ug/l	90
18) Methyl Acetate	4.50	43	960	Below Cal	#	66
20) Methylene Chloride	4.73	84	17913	7.50	ug/l	90
25) 2-Butanone	7.00	43	3568	4.69	ug/l	95
31) Cyclohexane	7.79	56	3871	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	14410	4.40	ug/l #	49
37) Ethyl Acetate	7.00	43	3568	2.00	ug/l #	67
38) Carbon Tetrachloride	7.80	117	21414	5.88	ug/l #	16
68) m/p-Xylenes	11.70	106	4899	1.03	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	71466	47.75	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	9733	1.10	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.48	75	71466	89.96	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.12	105	14347	1.61	ug/l	95
95) Naphthalene	15.23	128	104970	14.59	ug/l	99

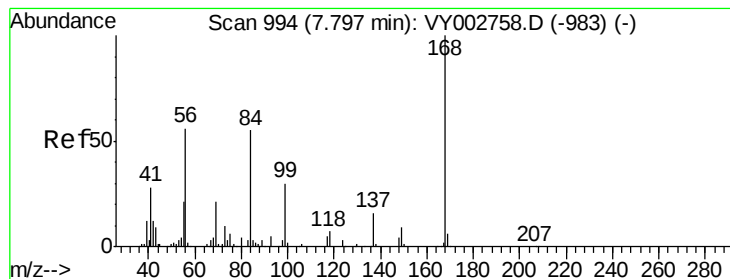
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002876.D

Acq: 10 Jun 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

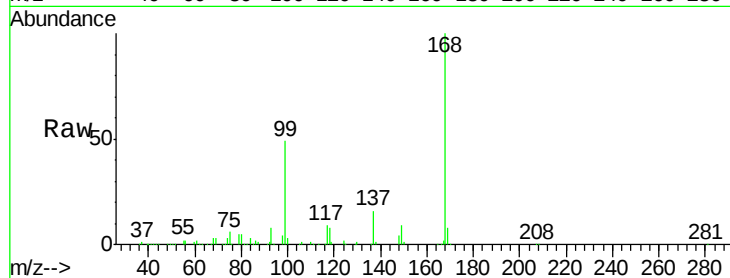
CL-02-060920

Tgt Ion:168 Resp: 239940

Ion Ratio Lower Upper

168 100

99 48.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002876.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002876.D (-945) (-)

7.80

120000

100000

80000

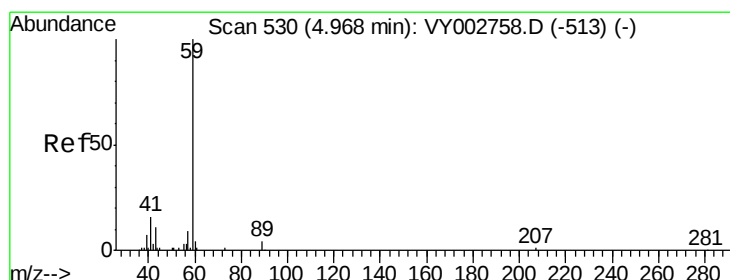
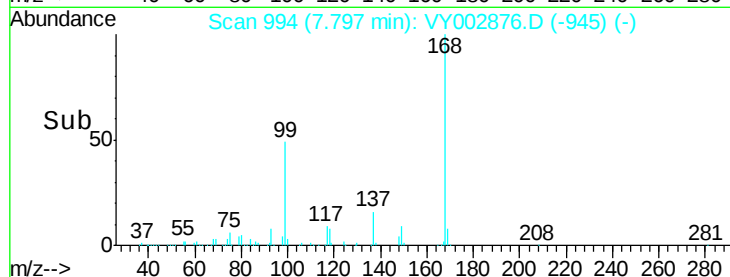
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002876.D

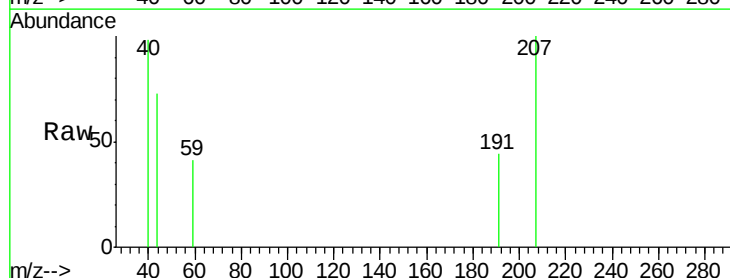
Acq: 10 Jun 2020 12:07

Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002876.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002876.D (-481) (-)

4.96

100

80

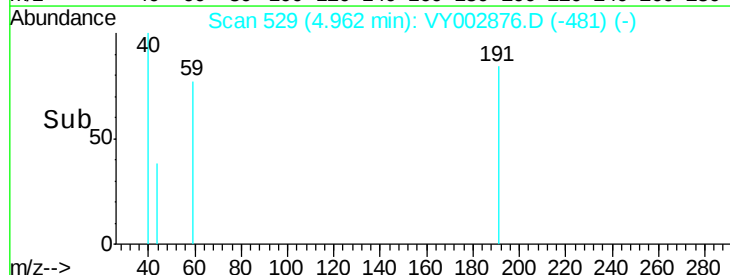
60

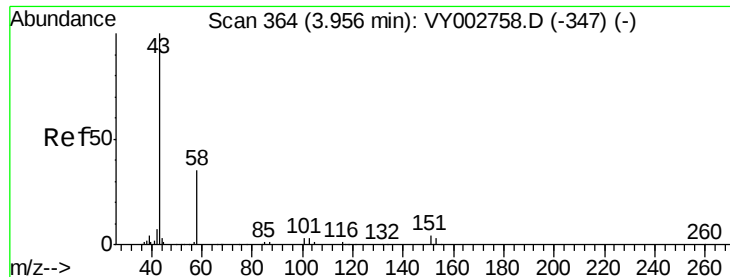
40

20

0

Time-->





#16

Acetone

Concen: 22.64 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002876.D

Acq: 10 Jun 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

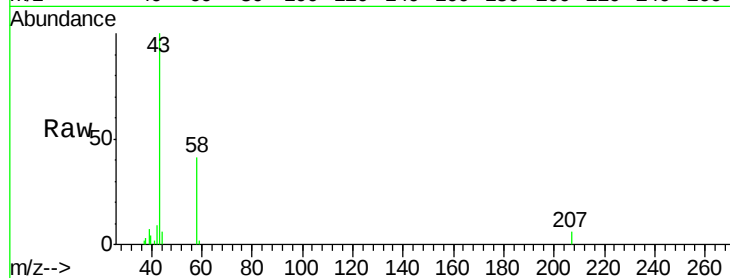
CL-02-060920

Tgt Ion: 43 Resp: 11062

Ion Ratio Lower Upper

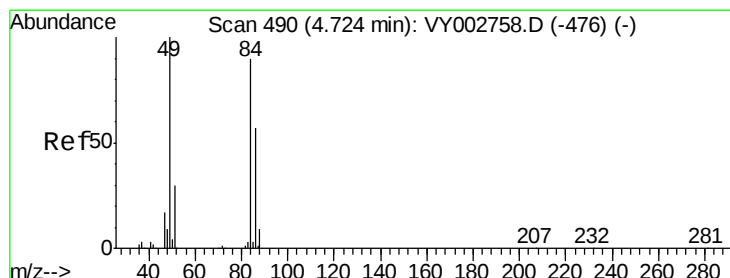
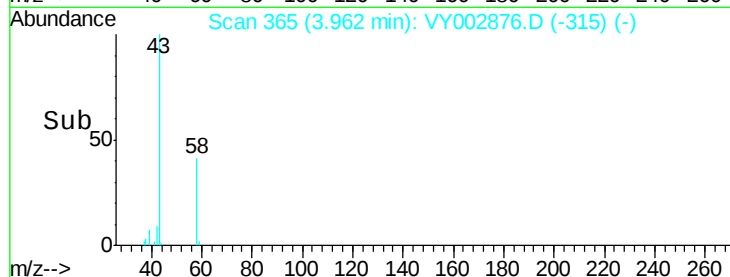
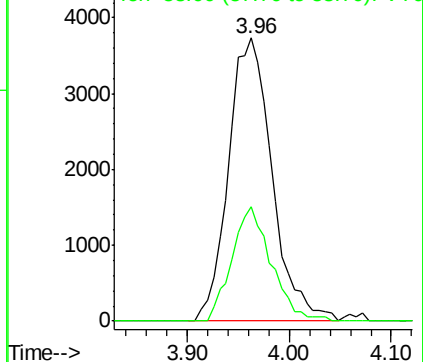
43 100

58 40.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 7.50 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002876.D

Acq: 10 Jun 2020 12:07

Tgt Ion: 84 Resp: 17913

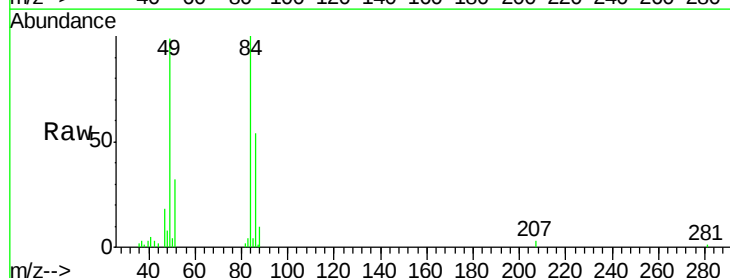
Ion Ratio Lower Upper

84 100

49 98.7 88.5 132.7

51 32.3 26.8 40.2

86 53.9 50.6 75.8

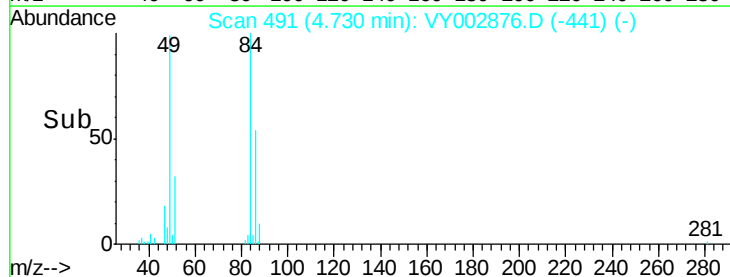
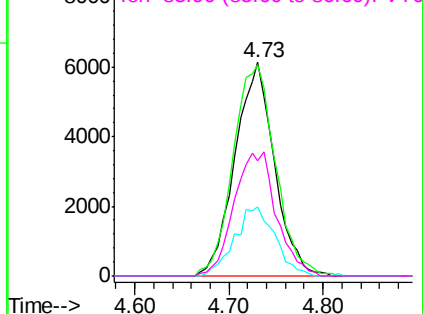


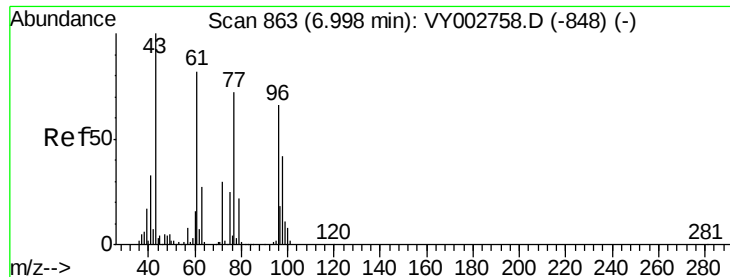
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

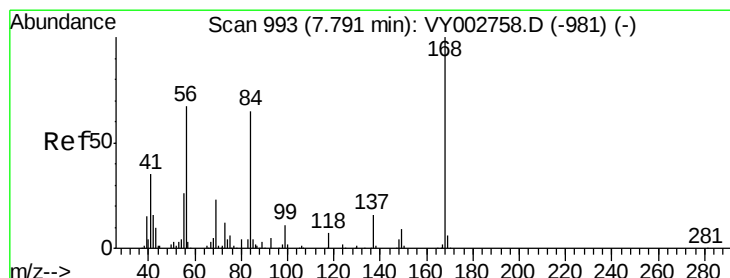
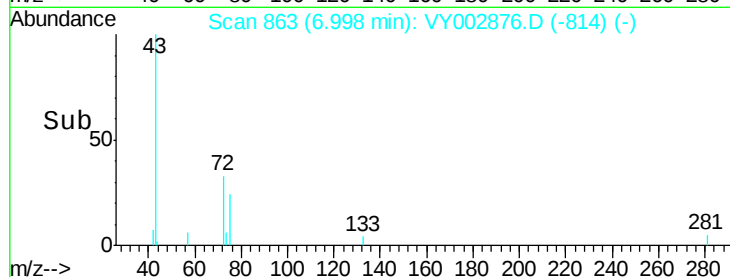
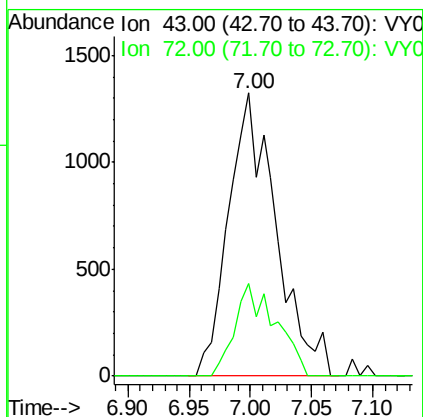
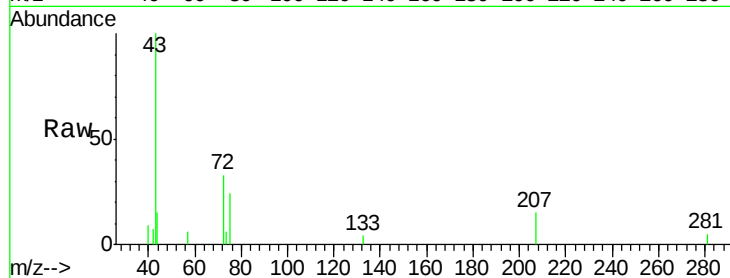




#25
2-Butanone
Concen: 4.69 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002876.D
Acq: 10 Jun 2020 12:07

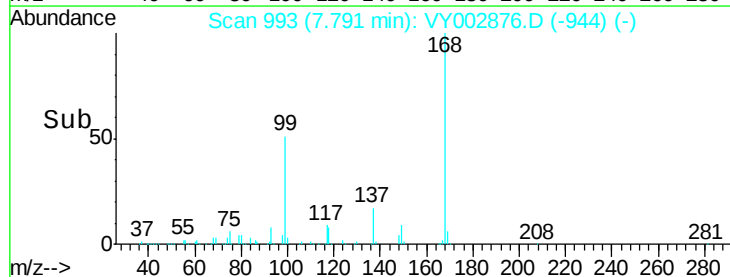
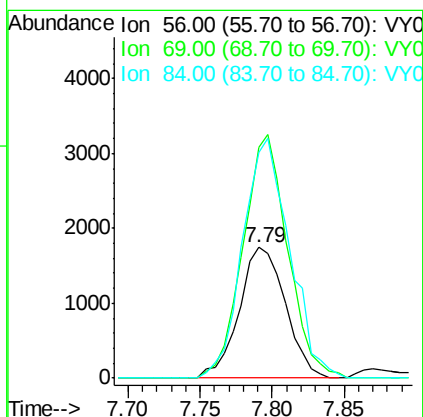
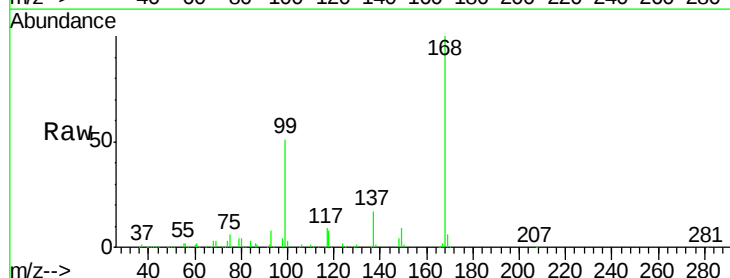
Instrument :
MSVOA_Y
ClientSampled :
CL-02-060920

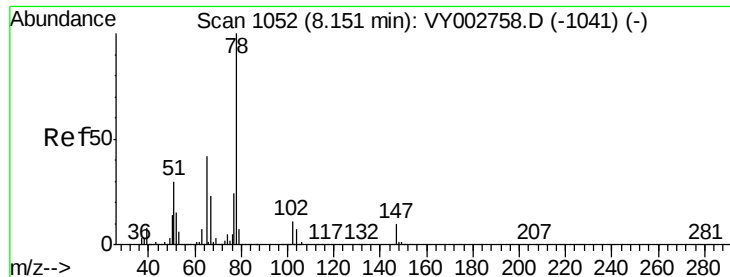
Tgt Ion: 43 Resp: 3568
Ion Ratio Lower Upper
43 100
72 32.6 23.9 35.9



#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY002876.D
Acq: 10 Jun 2020 12:07

Tgt Ion: 56 Resp: 3871
Ion Ratio Lower Upper
56 100
69 176.1 28.0 42.0#
84 172.8 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.84 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002876.D

Acq: 10 Jun 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

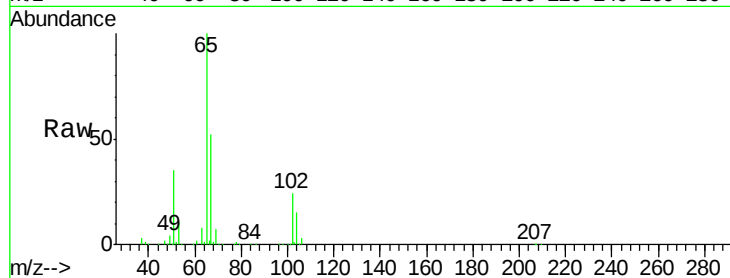
CL-02-060920

Tgt Ion: 65 Resp: 120491

Ion Ratio Lower Upper

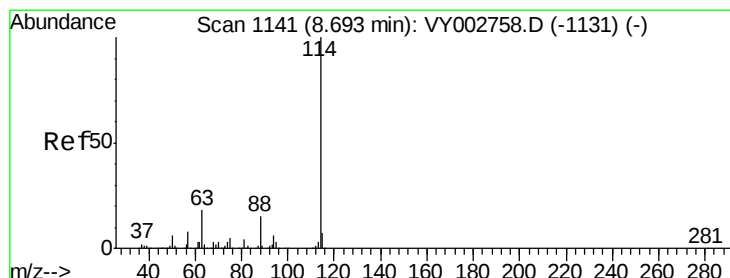
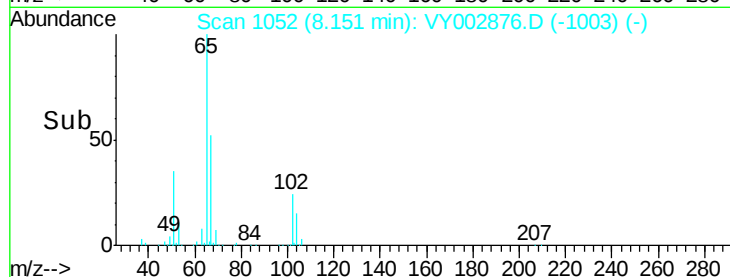
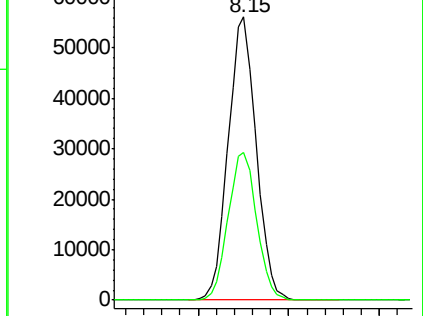
65 100

67 53.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002876.D

Acq: 10 Jun 2020 12:07

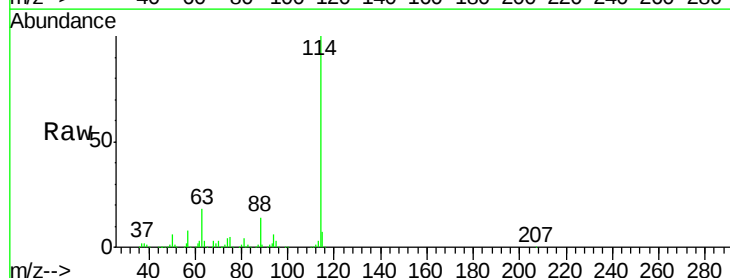
Tgt Ion: 114 Resp: 389217

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.2

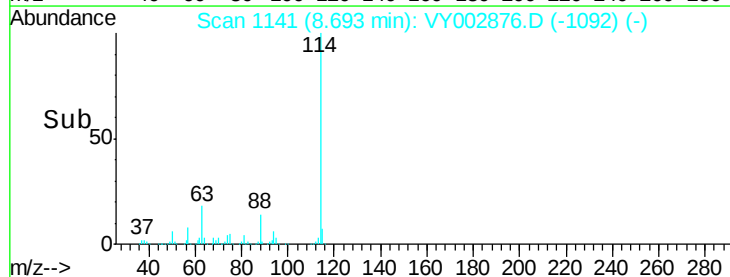
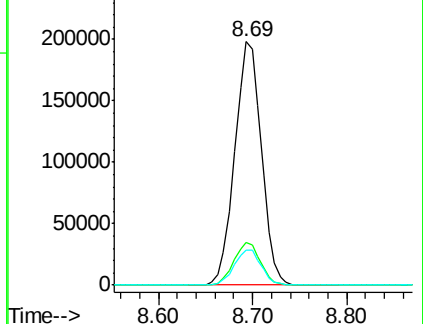
88 14.4 0.0 29.2

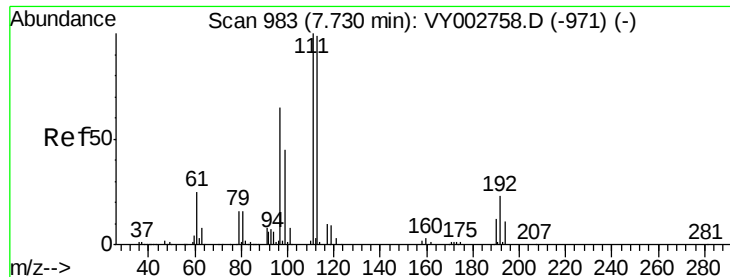


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

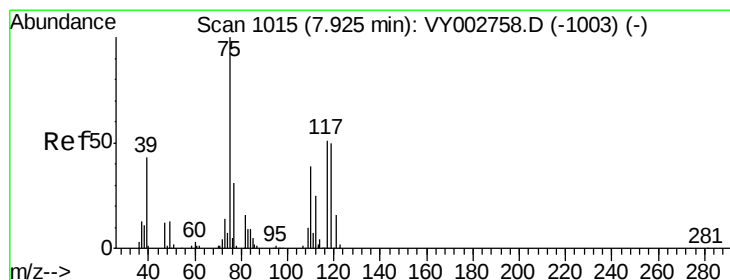
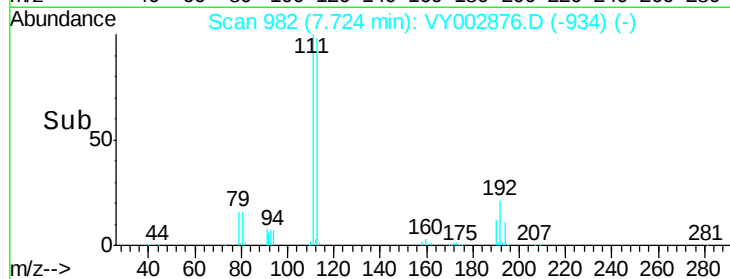
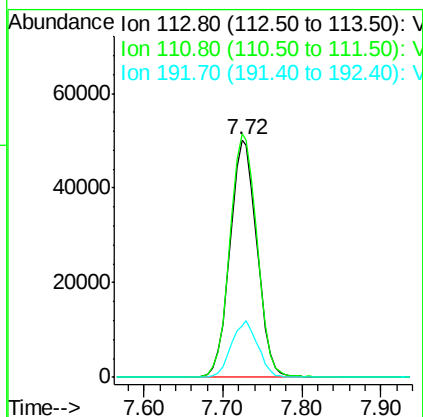
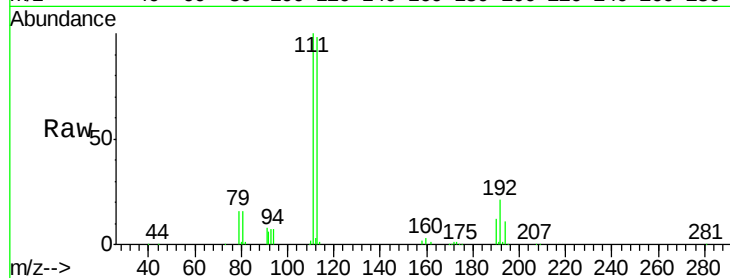




#35
 Dibromofluoromethane
 Concen: 52.18 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002876.D
 Acq: 10 Jun 2020 12:07

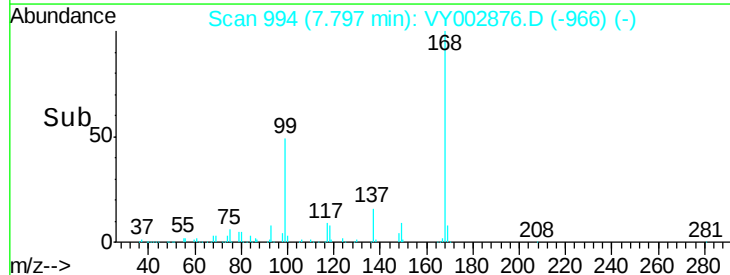
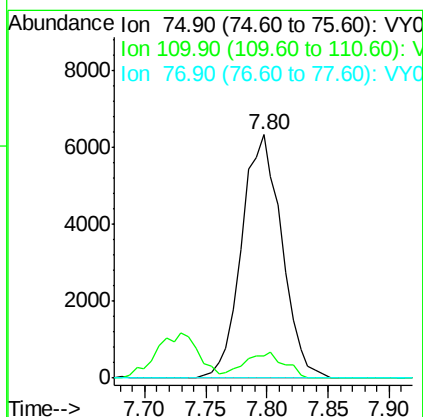
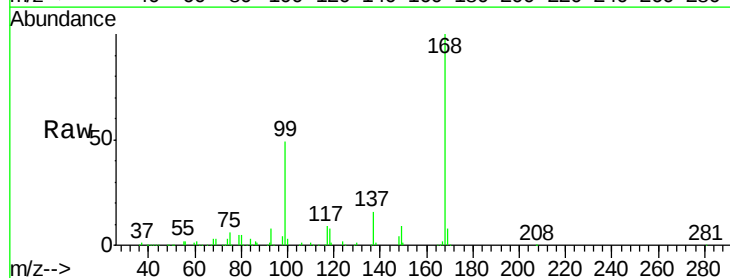
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-060920

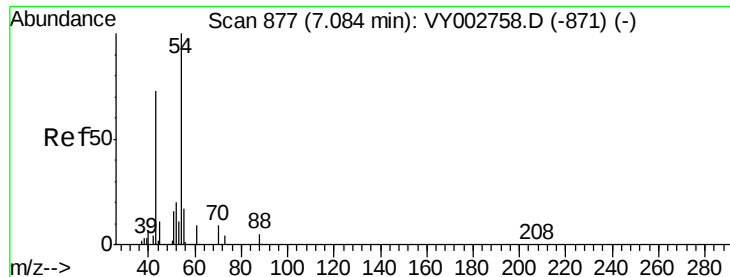
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.0	123.0
192	23.3	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.40 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002876.D
 Acq: 10 Jun 2020 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.3	57.9#
77	0.0	24.8	37.2#

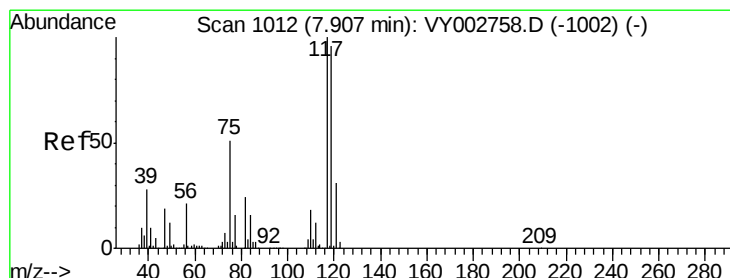
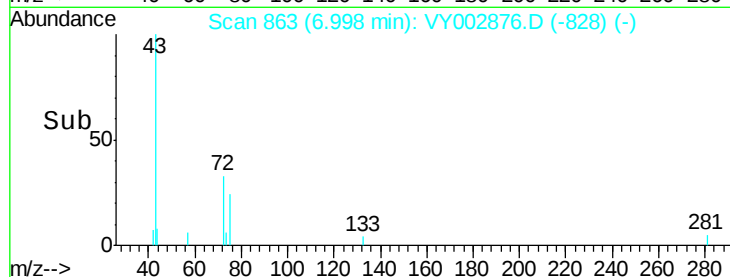
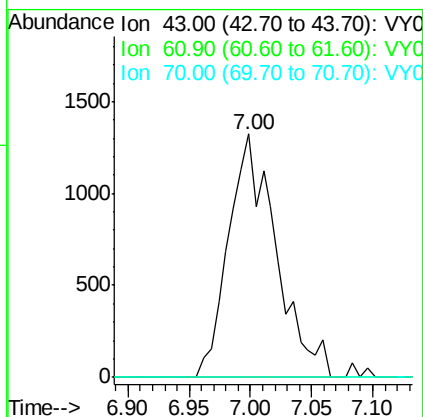
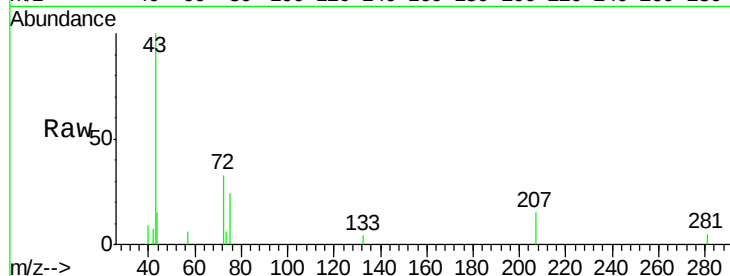




#37
Ethyl Acetate
Concen: 2.00 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY002876.D
Acq: 10 Jun 2020 12:07

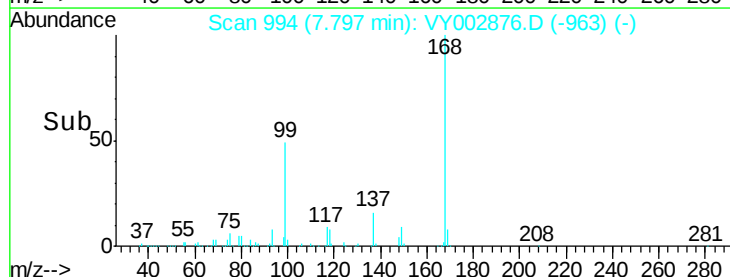
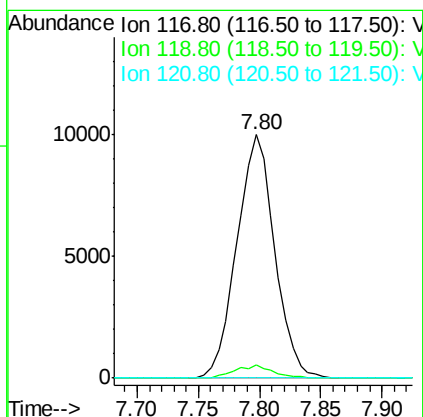
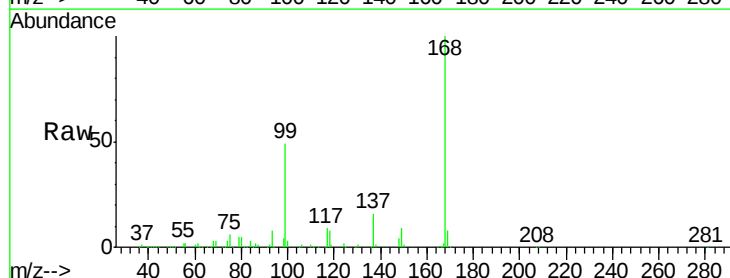
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MSVOA_Y
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CL-02-060920

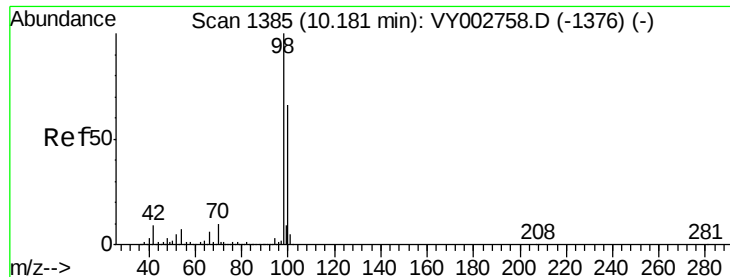
Tgt Ion: 43 Resp: 3568
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002876.D
Acq: 10 Jun 2020 12:07

Tgt Ion: 117 Resp: 21414
Ion Ratio Lower Upper
117 100
119 5.5 76.8 115.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 49.45 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002876.D

Acq: 10 Jun 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

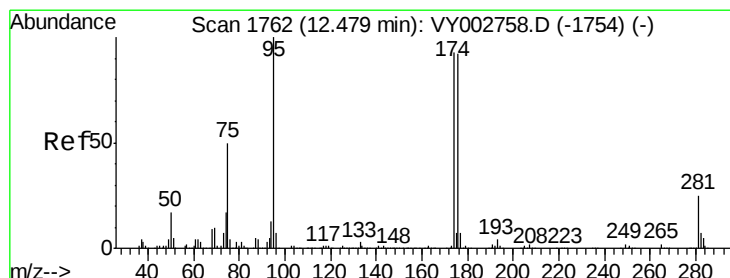
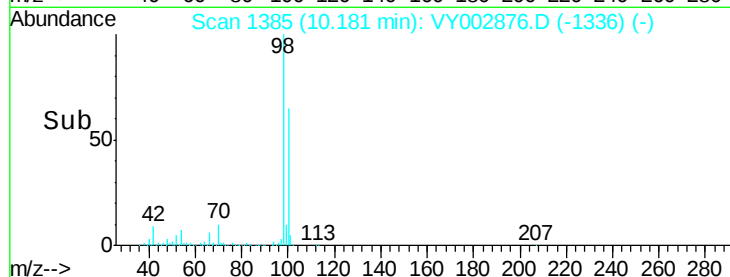
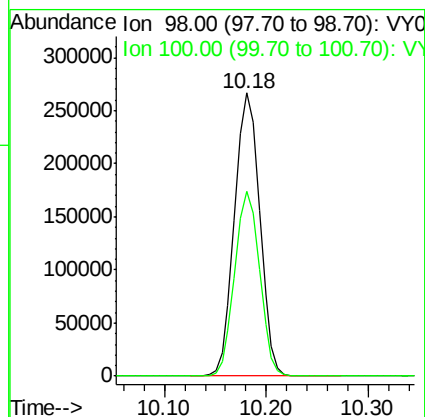
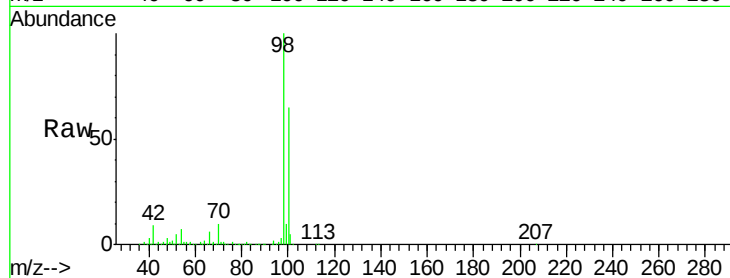
CL-02-060920

Tgt Ion: 98 Resp: 456067

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.24 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002876.D

Acq: 10 Jun 2020 12:07

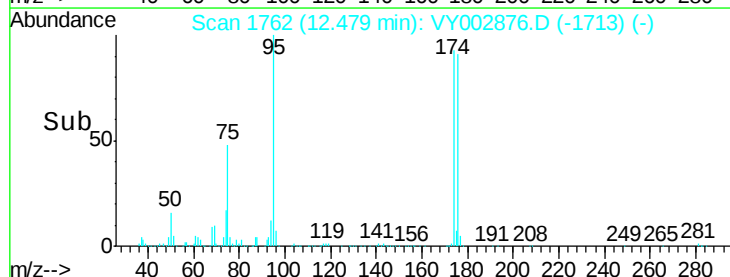
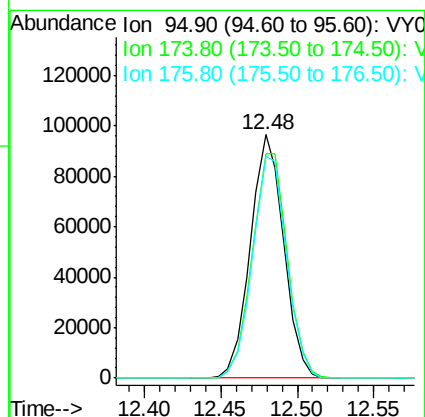
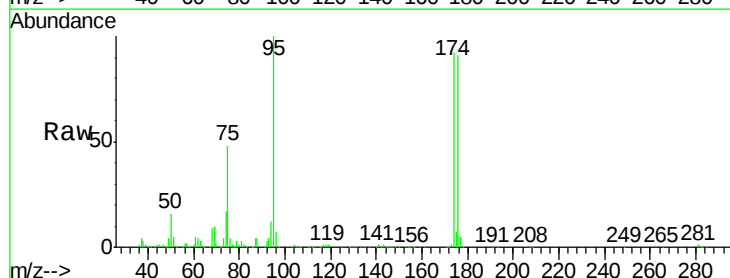
Tgt Ion: 95 Resp: 145752

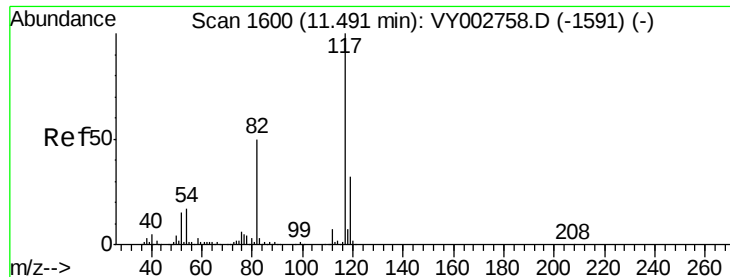
Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.2

176 93.8 0.0 188.8

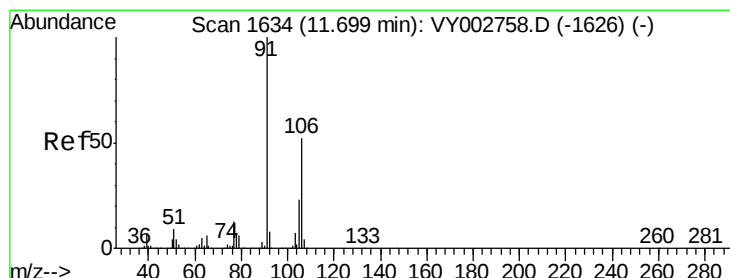
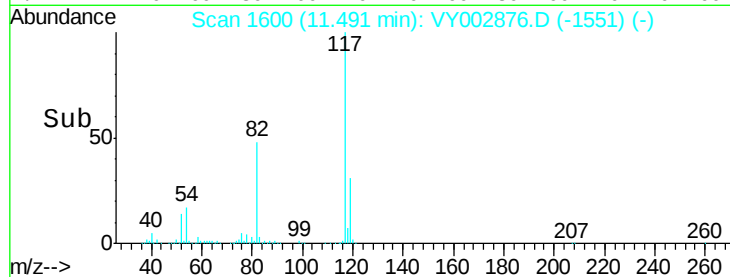
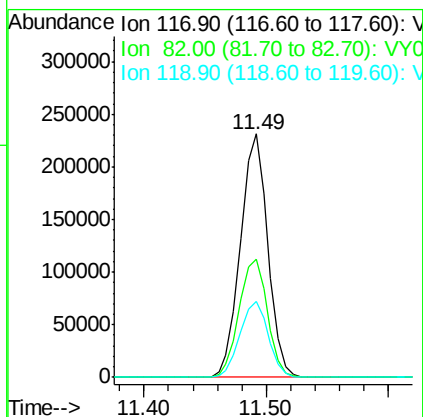
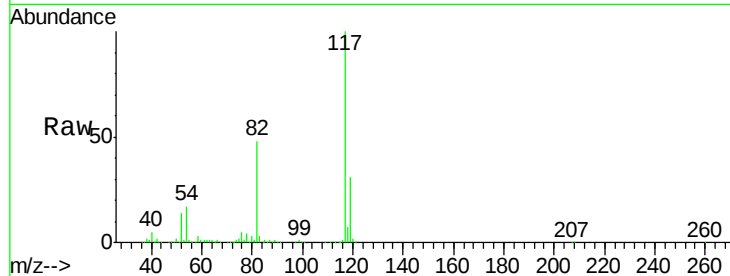




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002876.D
Acq: 10 Jun 2020 12:07

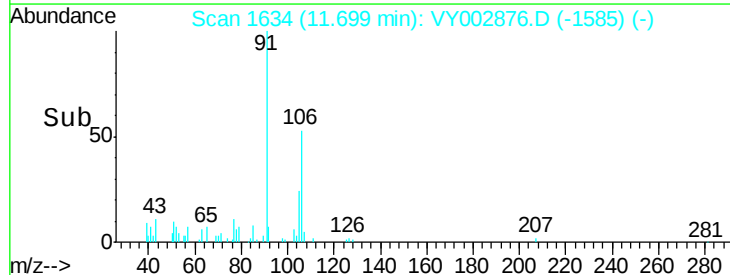
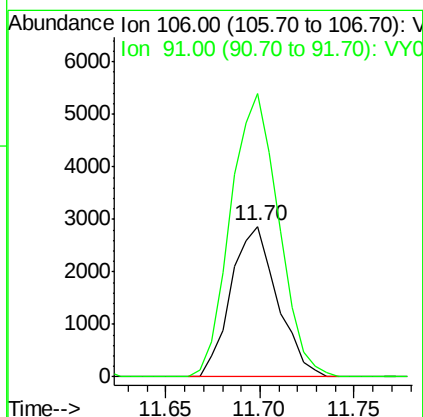
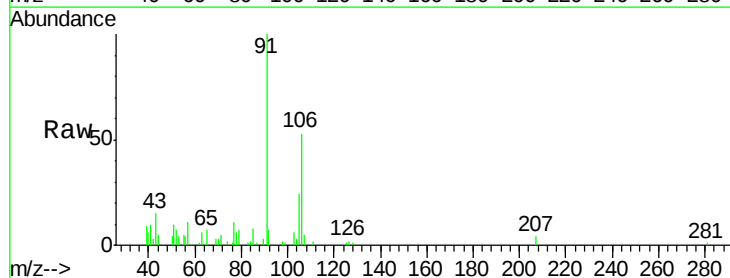
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-060920

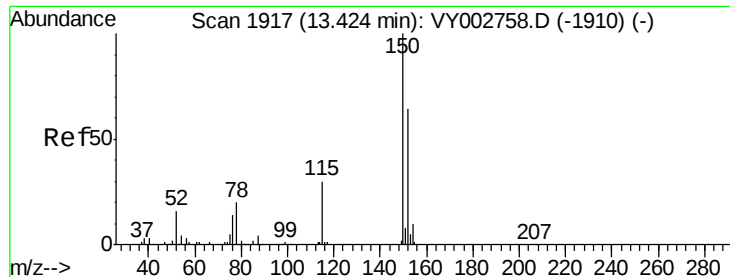
Tgt Ion:117 Resp: 357919
Ion Ratio Lower Upper
117 100
82 48.4 40.2 60.4
119 31.4 25.8 38.8



#68
m/p-Xylenes
Concen: 1.03 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002876.D
Acq: 10 Jun 2020 12:07

Tgt Ion:106 Resp: 4899
Ion Ratio Lower Upper
106 100
91 194.0 156.0 234.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002876.D

Acq: 10 Jun 2020 12:07

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-060920

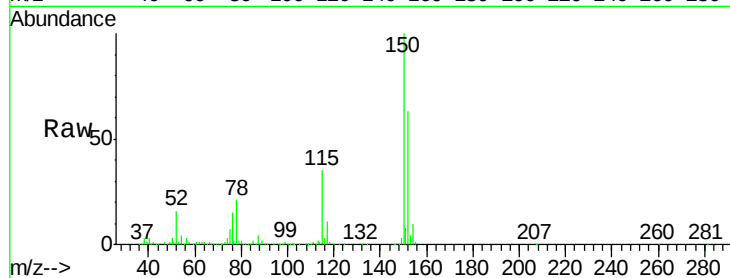
Tgt Ion:152 Resp: 166103

Ion Ratio Lower Upper

152 100

115 54.1 27.0 81.0

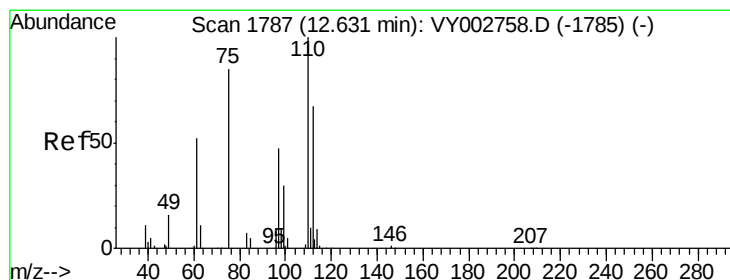
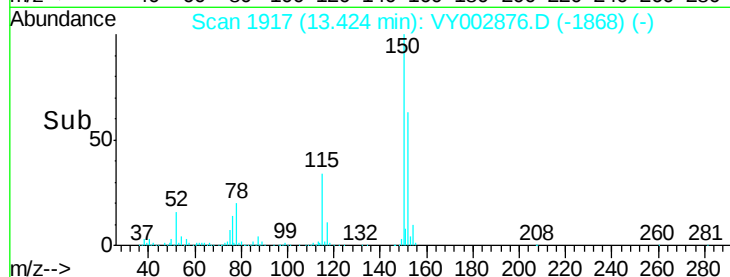
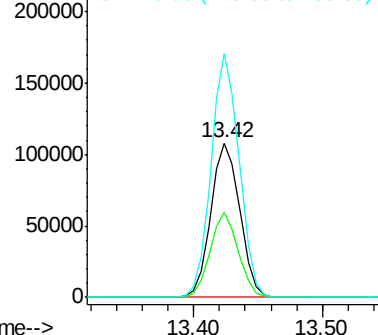
150 153.9 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 47.75 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002876.D

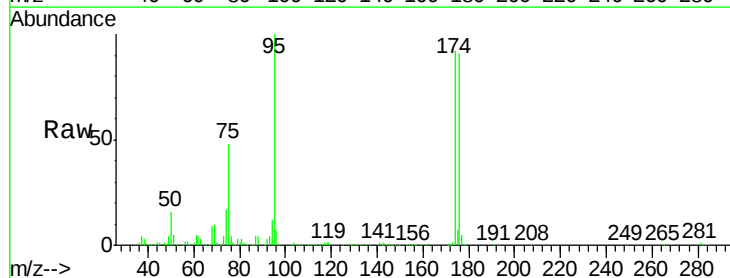
Acq: 10 Jun 2020 12:07

Tgt Ion: 75 Resp: 71466

Ion Ratio Lower Upper

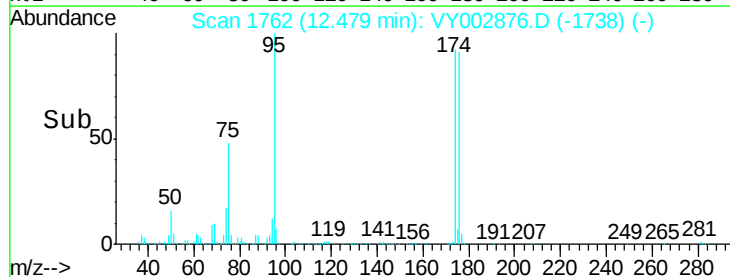
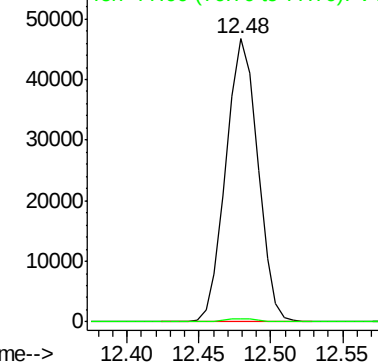
75 100

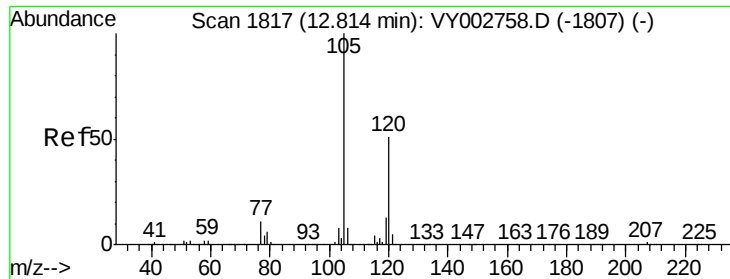
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

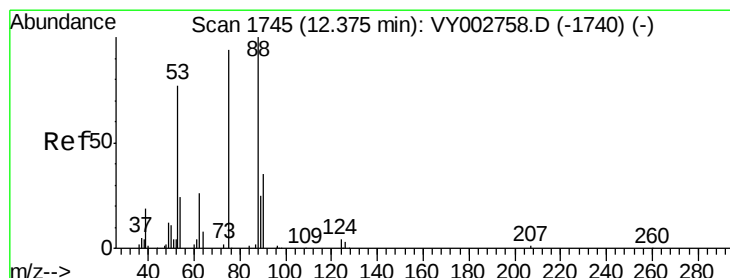
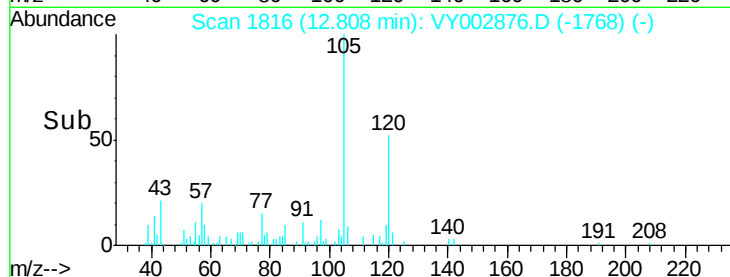
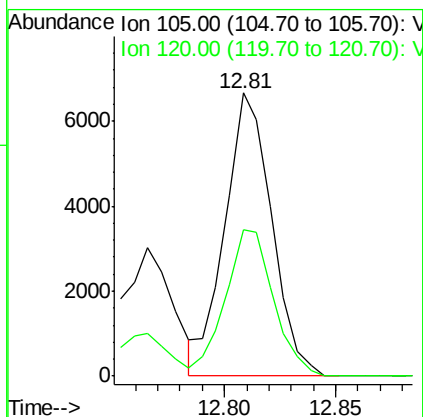
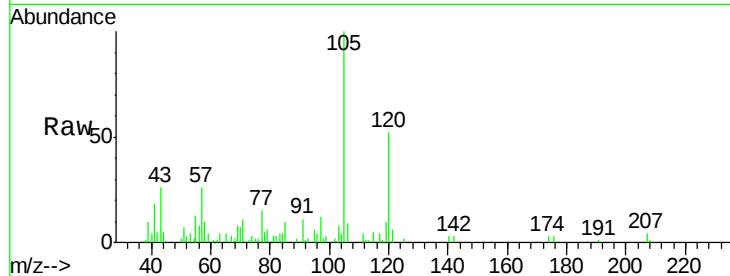




#80
 1,3,5-Trimethylbenzene
 Concen: 1.10 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: VY002876.D
 Acq: 10 Jun 2020 12:07

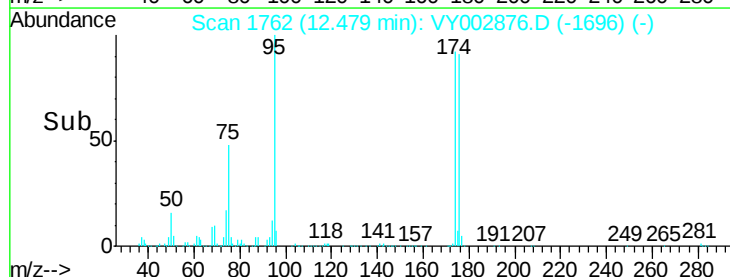
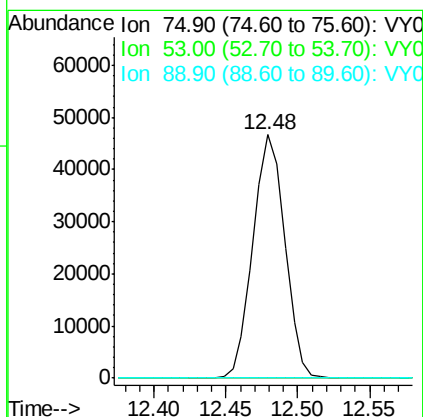
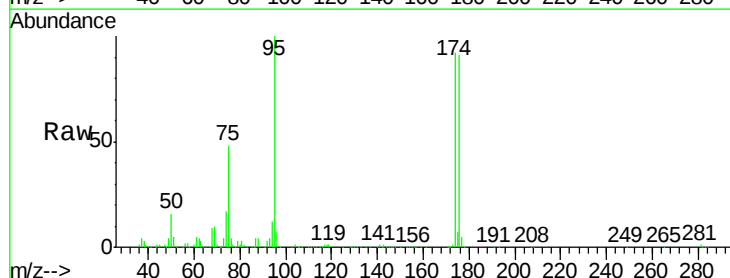
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-060920

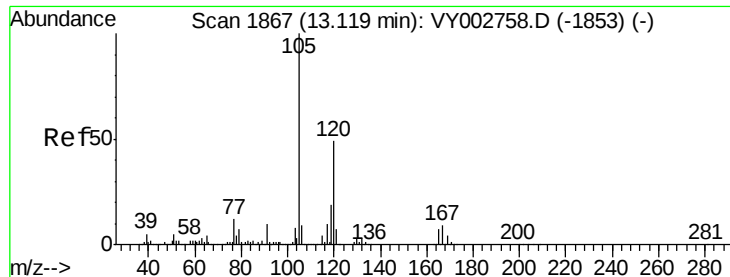
Tgt Ion: 105 Resp: 9733
 Ion Ratio Lower Upper
 105 100
 120 53.3 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.96 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY002876.D
 Acq: 10 Jun 2020 12:07

Tgt Ion: 75 Resp: 71466
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.0 96.0#
 89 0.0 37.4 56.2#

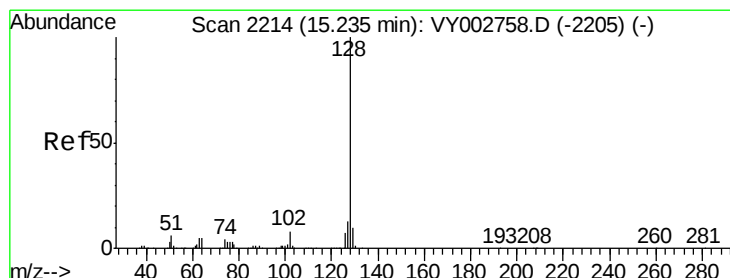
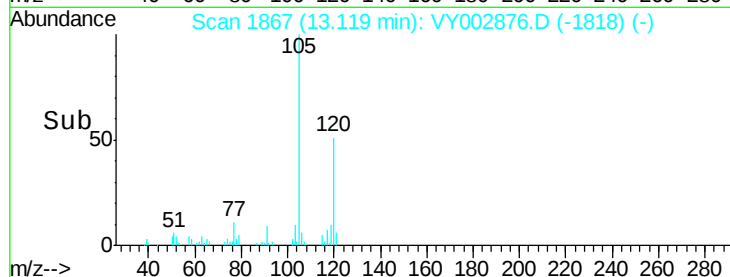
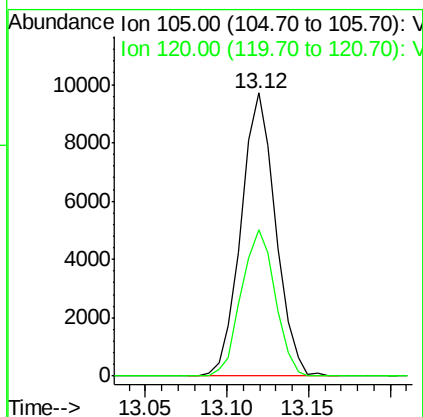
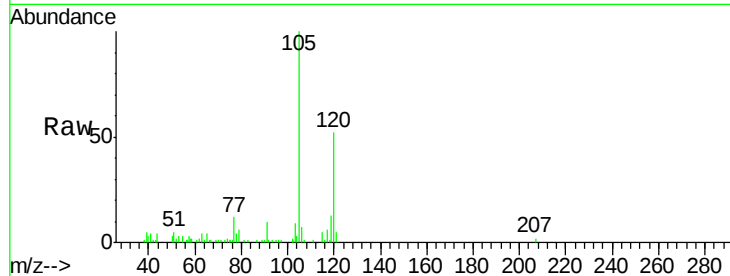




#84
 1,2,4-Trimethylbenzene
 Concen: 1.61 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002876.D
 Acq: 10 Jun 2020 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-060920

Tgt Ion:105 Resp: 14347
 Ion Ratio Lower Upper
 105 100
 120 50.7 23.6 70.8



#95
 Naphthalene
 Concen: 14.59 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY002876.D
 Acq: 10 Jun 2020 12:07

Tgt Ion:128 Resp: 104970
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.3 15.5
 129 11.4 8.7 13.1

